

Download the official Conference App

Conference App Download Instructions
Use your device to scan the QR Codes









iOS DEVICES



- 2 Download The Event App by EventsAIR
- When you are prompted for a code upon launching the App, insert isee22

In order to log in, tap the Log In icon and insert your email address and the 4-digit PIN that has been sent to you. The conference App will be available about two weeks before the conference.





- **(F)** Facebook → @ISEE2022
- 😈 Twitter → @ISEE_global
- # Official Hashtags → #ISEE2022 #ISEE_global

TABLE OF CONTENTS

WELCOME MESSAGES	04
ORGANIZATION-COMMITTEES	06
ABOUT ISEE	07
ABOUT ATHENS	09
ABOUT THE VENUE	09
VENUE FLOORPLANS	10
GENERAL INFORMATION A-Z	15
PRESENTER GUIDELINES	19
SOCIAL PROGRAM	20
ISEE 2022 AWARDS	22
SCIENTIFIC PROGRAM	
PROGRAM OVERVIEW	26
PRE-CONFERENCE WORKSHOPS	34
DETAILED PROGRAM	
SUNDAY, 18 SEPTEMBER 2022	40
MONDAY, 19 SEPTEMBER 2022	42
TUESDAY, 20 SEPTEMBER 2022	58
WEDNESDAY, 21 SEPTEMBER 2022	74
POSTER PRESENTATIONS CATALOGUE	
POSTER PRESENTATIONS DISPLAYED ONSITE	87
E-POSTER PRESENTATIONS	11 <i>7</i>
SPONSORS & SUPPORTERS	132

Welcome

BY THE 2022 CONFERENCE CO-CHAIRS



Klea Katsouyanni Professor, National & Kapodistrian University of Athens



Evangelia Samoli Assoc. Professor, National & Kapodistrian University of Athens

Dear friends, colleagues, interested citizens, ISEE Community,

With great enthusiasm we welcome you to the 34th Annual ISEE Conference in Athens, Greece, in 18-21 September, 2022, which is the first in-person Conference after two years of fully on-line Conferences (2020, 2021).

Having learnt from recent experience, our Conference also has a hybrid format attracting about 500 on-line participants in addition to the 1,100 participants who travelled to Athens.

The main theme of the 2022 Conference is "Strengthening the global role of environmental epidemiology", stressing the need to study and understand local conditions in order to synthesize the knowledge and make a difference for our Planet. The scientific program includes a diversity of topics associated with environmental epidemiology, represents several multi-disciplinary approaches and links to policy.

We would like to thank ISEE, the members of our local organizing and scientific committees and PCO CONVIN for the great help in organizing the first hybrid conference of ISEE. And we would like to thank all keynote speakers, presenters, participants, session chairs for their important contributions to the program.

The city of Athens, where a civilization developed 2,500 years ago became a global legacy, will form the background for fostering the Conference theme.

In the 2022 Conference we continue advancing our Society's aims in promoting Epidemiological studies linking environmental exposures to human health. The issue of Climate Change and its impact on health, which needs global coordination for effective action, is central to our Conference, along with the other topics that formed the center of our activities in the past and where we have been very impactful. On the exposure side we focus, in addition to climate/meteorology, on ambient and indoor air pollution, water pollution, noise, built environment and occupational exposures.

For health outcomes, our focus includes effects on children and the ageing, with novel health outcomes (e.g. neurological/ neurobehavioral, mental health) and more studied ones, like cardiometabolic and respiratory, for which we need to gain deeper understanding.

Environmental equity is a central topic with global dimension. Policy, following the release of revised air quality quidelines, and ethics considerations also need to be addressed both locally and globally. Our society has a tradition in working on the advancement of methodology and this Conference includes the in-depth methods developments.

We have worked towards making our Conference greener and accessible to all. The local experience is based on the traditional culture, including the Mediterranean cuisine emphasizing its gourmet vegetarian dishes and locally produced drinks.

We are looking forward to having a scientifically stimulating conference and really hope that you will enjoy both the conference and the Athens culture, life and spirit!



Welcome BY THE ISEE PRESIDENT

Andrea Baccarelli President, ISEE

Welcome to the 34th Annual Conference of the International Society for Environmental Epidemiology!

I am delighted that my time as President of ISEE is marked by participating in this conference, which will bring together our members after several years of only meeting online. This conference, "Strengthening the global role of environmental epidemiology," features a robust program that highlights the important work of our community.

In addition to several keynote lectures and panels, the program includes something for everyone, from symposia and oral sessions to poster presentations and Pecha Kucha sessions. ISEE chapters and committees have organized several sessions, including "Civic Engagement at ISEE: Ramping up our efforts for impactful research", Tuesday, September 20 at 07:30; "Scientist Connections with Environmental Justice Communities", Tuesday, September 20 at 14:15; "Two-Way Road: How has the environment affected the COVID-19 pandemic and how the pandemic response affected the environment in the Latin America and Caribbean region", Tuesday, September 20 at 14:15; "Air Pollution and Health: The Case of Central and Southeast Europe", Wednesday, September 21 at 07:30; and a keynote discussion, "Race and Racism from a Global Perspective", Wednesday, September 21 at 10:30.

We are also excited to support our younger members with a slate of activities organized by our Student and New Researchers Network (SNRN). The Student and New Researchers Network (SNRN) is open to all students, postdoctoral trainees, and new researchers (who have fewer than 5 years of experience from their terminal degree) in the field of environmental epidemiology or other related disciplines. In addition to their informal networking session which will be held Monday, September 19 at 19:00 in Parko Eleftherias, the SNRN has organized two early morning sessions: "Transitioning from PhD to Post-Doc" on Tuesday, September 20 at 07:30, and "Beyond Academia: Fulfilling and Exciting non-academic careers", on Wednesday, September 21 at 07:30. We will close out the conference with the SNRN Awards on Wednesday, so be sure to come and recognize the emerging work from the future of the field!

The conference provides a unique opportunity for our members to come together and learn about the state of the society and share their feedback at the Annual Membership Meeting. This year, the meeting will be held on Monday, September 19, and I hope to see many of you there. The Society is only as strong as its members, and we welcome the opportunity to hear about your membership experience. ISEE chapters and committees will also be holding meetings over the lunch hours, and we encourage your participation. These meetings provide an opportunity to get more involved in regions or topics for which you have passion. Finally, I hope we will see you at the ISEE Award Ceremony, which will be held at 08:30 on Wednesday, September 21.1 can think of no better way to wrap up the conference than to celebrate the incredible achievements of our members.

ISEE operates thanks to our members who generously volunteer their time for the success of the Society in various capacity. Please consider joining a committee, work with a regional chapter, or help us in the year-round activities that ISEE offers to all of us. We need everyone's help!

Thank you for your participation in this year's conference, and I look forward to what the next few days will bring.

ORGANIZATION - COMMITTEES

ISEE 2022 COMMITTEES

LOCAL ORGANIZING COMMITTEE

Klea Katsouyanni, Co-Chair Evangelia Samoli, Co-Chair

Antonis Analitis Vassiliki Benetou Erasmia Bizani Evangelia Diapouli Konstantina Dimakopoulou Konstantinos Eleftheriadis

Anna Karakatsani Maria Kasdagli Maria Nikoloutsou Stefania Papatheodorou Jenny Politi

Sophia Rodopoulou

Vana Sypsa Giota Touloumi Sofia Zafeiratou

INTERNATIONAL ORGANIZING COMMITTEE

Andersen Zorana (DK) Baccarelli Andrea (US)

Barratt Ben (UK)

Boogaard Hanna (US) Brunekreef Bert (NL) Burrows Kate (US) Cheong Hae-Kwan (KR)

de Hoogh Kees (CH) Gasparrini Antonio (UK) Gehring Ulrike (NL) Gouveia Nelson (BR) Hoffmann Barbara (DE) Honda Yasushi (JP) Huang Wei (CN) Jalaludin Bin (AU)

Katsouyanni Klea (GR), Co-Chair

Kauffman Joel (US) Khanjani Narges (IR) Kogevinas Manolis (ES)

Kioumourtzoglou Marianthi (US)

Lin Pi-I Debby (US) Mora Ana Maria (CR) Mustapha Adetoun (NG) Pau-Chung Chen (TW)

Payne-Sturges Devon (US) Pearson Dharshani (US) Poku Asante Kwaku (GH)

Samoli Evi (GR), Co-chair Shu-Li Wang Julie (TW) Smargiassi Audrey (CA) Stafoggia Massimo (IT) Tamayo Ortiz Marcela (MX)

Valvi Dania (US) Weisskopf Marc (US) Willis Mary (US)

ORAL SESSIONS REVIEW COMMITTEE

Andersen Zorana (DK) Baccarelli Andrea (US) Barratt Ben (UK)

Cheong Hae-Kwan (KR)

Gehring Ulrike (NL)

Gouveia Nelson (BR) Hoffmann Barbara (DE) Kaufman Joel (USA)

Kioumourtzoglou Marianthi (US)

Stafoggia Massimo (IT)

POSTER DISCUSSION REVIEW COMMITTEE

Asante Kwaku Poku (GH) Burrows Kate (US) Chen Pau-Chung (TW) Honda Yasushi (JP)

Khanjani Narges (IR) Smargiassi Audrey (CA)

Willis Mary (US)

PROFESSIONAL CONGRESS ORGANIZER



Convin SA **Professional Congress Organiser**

29 K. Varnali Str. 15233 Chalandri Athens, Greece +30 210 68 33 600 E info@convin.gr W www.convin.gr

ISEE 2022 Conference E info@isee2022.org W www.isee2022.org

THEMATIC POSTER VIEWING REVIEW COMMITTEE

Gasparrini Antonio (UK) de Hoogh Kees (CH) Huang Wei (CN) Mora Ana Maria (CR)

Lin Debby (US) Shu-Li Wang Julie (TW) Tamayo Ortiz Marcela (MX)

TRAVEL AWARDS COMMITTEE

Analitis Antonis (GR) Diapouli Evangelia (GR) Papatheodorou Stefania (US)

GRANTS COMMITTEE

Benetou Vicky (GR) Dimakopoulou Konstantina (GR) Zafeiratou Sofia (GR)

ABOUT ISEE



OUR VISION

We are a scientific association in environmental epidemiology that impacts research, training and policy worldwide.

OUR MISSION

To foster epidemiological studies on the effects of environmental exposures in people, stimulate communication between health professionals, promote methodological advances, and strengthen environmental health policy.

OUR PHILOSOPHY

- → Our membership is open to environmental epidemiologists and other scientists worldwide.
- → We provide a forum for the discussion of problems unique to the study of health and the environment by supporting annual meetings, newsletters, critical reviews and commentaries, workshops, and regional events.
- → We facilitate communication across disciplines by involving epidemiologists, toxicologists, exposure analysts, and other environmental scientists and moral philosophers in our annual meetings and committees.
- → We support innovative approaches to substantive or methodologic problems and applications of environmental epidemiology by featuring new research at our annual meetings and supporting new researchers.
- → We use environmental epidemiology to inform public policy by developing consensus statements, scientific commentaries, and acting as liaisons with academic, governmental, inter-governmental, non-profit and business institutions.
- → We support the involvement of scientists from around the world and subsidizing membership costs for scientists in developing countries to encourage their participation.

OUR VALUES

All members are expected to embrace the following values:

- ✓ Integrity. Do what is morally and ethically right.
- ✓ *Diversity.* Promote an environment that is free from prejudice and discrimination and embraces the uniqueness of every member's experiences, background, interests, culture, and contributions.
- ✓ Member Service. Be responsible stewards of ISEE resources in effectively meeting the needs of members.
- ✓ Communication. Recognize that effective communication (writing, speaking, or listening) is the responsibility of all members.
- ✓ Respect and Trust. Treat each other with fairness, dignity, understanding, and compassion.
- ✓ Career Development. Promote training, education, mentoring, and career growth.
- ✓ Excellence. Foster creativity, innovation, and teamwork while seeking continuous improvement in the science and practice of environmental epidemiology.
- ✓ Sustainability. Meet the needs of the present without compromising the ability of future generations to meet their needs.

ABOUT ISEE



OUR CONFLICT-OF-INTEREST POLICY

It is our policy that the efforts and activities of officers, councilors, committee chairs and other Society members performed on behalf of the ISEE not be compromised by any significant conflict of interest including:

Engaging in any business or other activities that would directly or indirectly materially adversely affect the ISEE, including but not limited to affecting the reputation, professionalism or finances of ISEE.

Using the ISEE membership and platform to pursue or support personal ideological or financial gains beyond the norms expected from membership of a professional scientific society.

Influencing nominations for awards or provision of travel awards to benefit oneself.

Seeking sponsorship from exhibitor, sponsor, contractor, or any other person or entity as conference organizer that would result in personal financial profit.

You can read more about this policy, and download our conflict-of-interest form at https://iseepi. org/conflict_of_interest_policy.php.

CONTACTING ISEE

For questions or information about applying for or renewing your membership, membership status, your member subscription to Epidemiology, or joining a committee please contact the ISEE Secretariat.

International Society for Environmental Epidemiology

c/o Infinity Conference Group, Inc.

1035 Sterling Road, Suite 202

Herndon, VA 20170 USA

Phone: 1-703-925-0178, toll free (US only): 844-369-4121

Fax: 1-703-925-9453

E-mail: secretariat@iseepi.org

Infinity Conference Group is committed to assisting the ISEE leadership to successfully serve its membership and move the organization forward. Located in Washington D.C region of the U.S., Infinity Conference Group, Inc. (ICG) provides high-quality professional and reliable association management and conference planning services for organizations who seek exceptional support, keen oversight, a unique vision, and have a desire to improve the world in which we live.

ISEE OFFICERS

PRESIDENT [2022-2023]:	Andrea Baccarelli
PAST-PRESIDENT [2022]:	Mark Nieuwenhuijsen
SECRETARY-TREASURER [2019-2022]:	Michelle Turner
COUNCILORS:	Mildred Maisonet [2020-2022]
	Nelson Gouveia [2020-2022]
	Adetoun Mustapha [2021-2023]
	Yue-Liang Guo [2021-2023]
	Zorana Jovanovic Andersen [2022-2024]
	Jaime E. Hart [2022-2024]

About Athens



A bustling, cosmopolitan metropolis, yet the cradle of democracy and civilization, Athens is central to economic, financial, industrial, political and cultural life of Greece. Standing at the crossroads of three continents, Greece's capital has been, due its geographical position, a melting pot of different cultures, which have come together throughout its long history and still do so today. It's the land of hospitality, known since ancient times, where Greek people give a warm welcome to every visitor traveling to Athens to catch up memories to a unique destination.

Athens is a modern European city with an old-town feel; ancient monuments fuse with a trendy, cosmopolitan scene. Masterpieces of significant architectural values stand tall today in a harmonious coexistence with impressive modern buildings. But, also, is an ideal congress destination, combining state-of-the-art infrastructure, excellent congress facilities and easy access from all over the world with world-class cultural attractions, modern amenities and diverse entertainment.

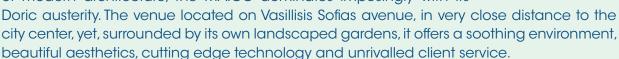
About the Venue

MEGARON ATHENS INTERNATIONAL CONFERENCE CENTRE (MAICC)

Vas. Sofias Ave. & Kokkali St., Athens 115 21, Greece **T.** +30 210 7282000

ABOUT MAICC

The MAICC is distinguished as one of the leading and most technologically advanced conference venues in Europe. A building of modern architecture, the MAICC dominates imposingly with its



Right in the heart of the city, only a few minutes away from Syntagma square, the MAICC is easily accessible by all means of transportation. The Metro station is located a few meters away from the main entrance of the MAICC. It is also very close to major hotels, museums, shops, and fine restaurants, many of which are within walking distance.

The MAICC has had the privilege to host several of the most important congresses in Greece. It was designed and built with great respect to the environment and green urban planning. Furthermore, it has been incorporated subtly into the park of the complex.

The technology and stage systems incorporated into the halls are at the forefront of technology, while all sound and audiovisual systems are connected to the in-house broadcast standard recording studio, which enables sound and video recording in broadcast format.

HOW TO REACH MAICC

→ From the airport

You can take bus X95, or a 35-minute ride on the Metro will bring you to the venue.

- → From the railway station

 It's just 30 minutes to the «Megaro Moussikis» Metro station.
- → From Piraeus

It's just a few minutes ride on the Metro.





INTERNATIONAL **SOCIETY FOR ENVIRONMENTAL EPIDEMIOLOGY**

OUR MISSION

To foster epidemiological studies on the effects of environmental exposures in people, stimulate communication between health professionals, promote methodological advances, and strengthen environmental health policy.

MEMBERSHIP OPPORTUNITIES

ISEE members can join committees and regional chapters. These groups offer a direct path for engagement and leadership within ISEE. Members can contribute to conference planning, policy setting, membership initiatives, and more. Chapters organize activities that speak to environmental health topics of interest faced by countries in those regions.

INITIATIVES FOR THE FUTURE

We have recently launched programs such as the Peer Editing Program, online lectures and teaching videos, and new awards to support environmental health professionals across the globe. Select members can also apply for publication waivers for free publication in our journals such as Environmental Epidemiology.





70 Countries Represented



Committees



3 Journal Partners





600+ Students & **Early Career** Researchers



Travel Awards



6 Awards





@ISEE_global

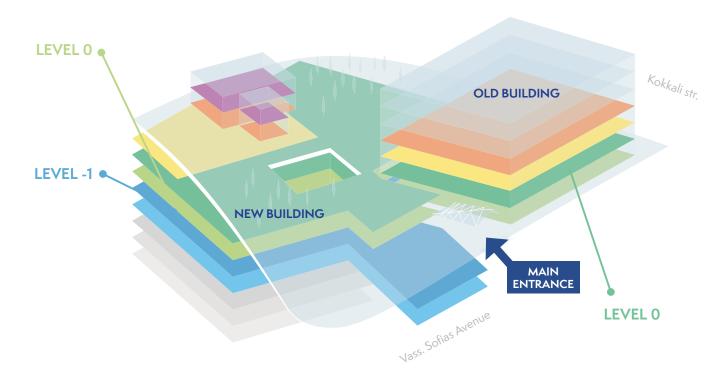


https://iseepi.org

ISEE Membership Rates

\$200	Full Membership 1-year
\$540	Full Membership 3-year
\$180	Standard Membership 1-year
\$486	Standard Membership 3-year
\$30	LMIC Membership
\$60	Student Membership
\$90	Emeritus Membership
\$100	Subsidized/Early Career Membership
\$120	Government Membership

VENUE AREAS & LEVELS



CONFERENCE AREAS OVERVIEW

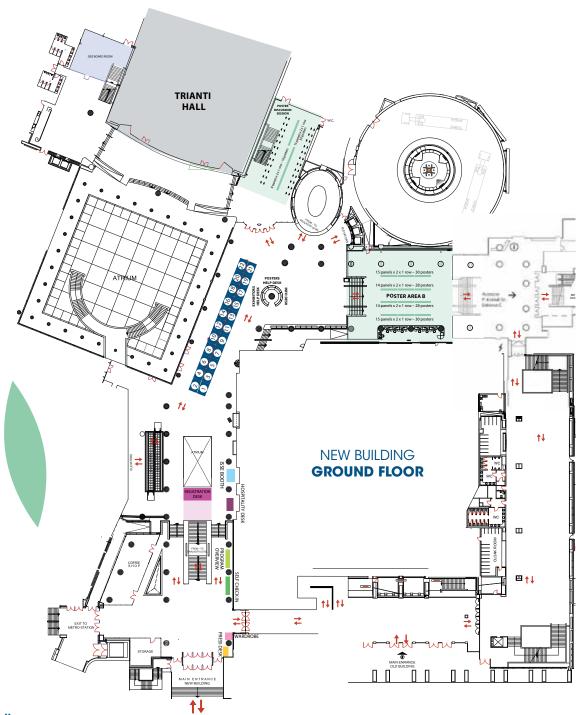
CONFERENCE VENUE (NEW BUILDING)

TRIANTI HALL	PLENARY HALL	LEVEL 0
TRIANTI FOYER RIGHT SIDE	POSTER DISCUSSION AREA	LEVEL 0
TRIANTI FOYER LEFT SIDE	ISEE OFFICE & BOARD ROOM	LEVEL 0
TRIANTI FOYER MIDDLE	E-POSTER STATIONS (VIEWING ONLY)	LEVEL 0
TRIANTI BALCONY	POSTER AREA A	LEVEL 1
FOYER MUSES	REGISTRATION & SELF CHECK-IN STATIONS PRESS OFFICE	LEVEL 0
	ISEE BOOTH EXHIBITION	
FOYER KOKKALI	POSTER AREA B	LEVEL 0
MULTIPURPOSE HALL	PARALLEL HALL	LEVEL 0
SKALKOTAS HALL	PARALLEL HALL	LEVEL -1
MC 2	PARALLEL HALL	LEVEL -1
MC 3	PARALLEL HALL	LEVEL -1
MC 3.2	PARALLEL HALL	LEVEL -1
MC 3.3	PARALLEL HALL	LEVEL -1
MC 3.4	PARALLEL HALL	LEVEL -1
MC 3.5	SPEAKER PREVIEW ROOM	LEVEL -1

OLD BUIDLING (ENTRANCE FROM CONFERENCE VENUE)

FOY	'ER MITROPOULOS	COVID-TEST STATION	LEVEL 0
•	ALLEGRO	CHILDCARE STATION	LEVEL 0

VENUE & EXHIBITION FLOORPLAN

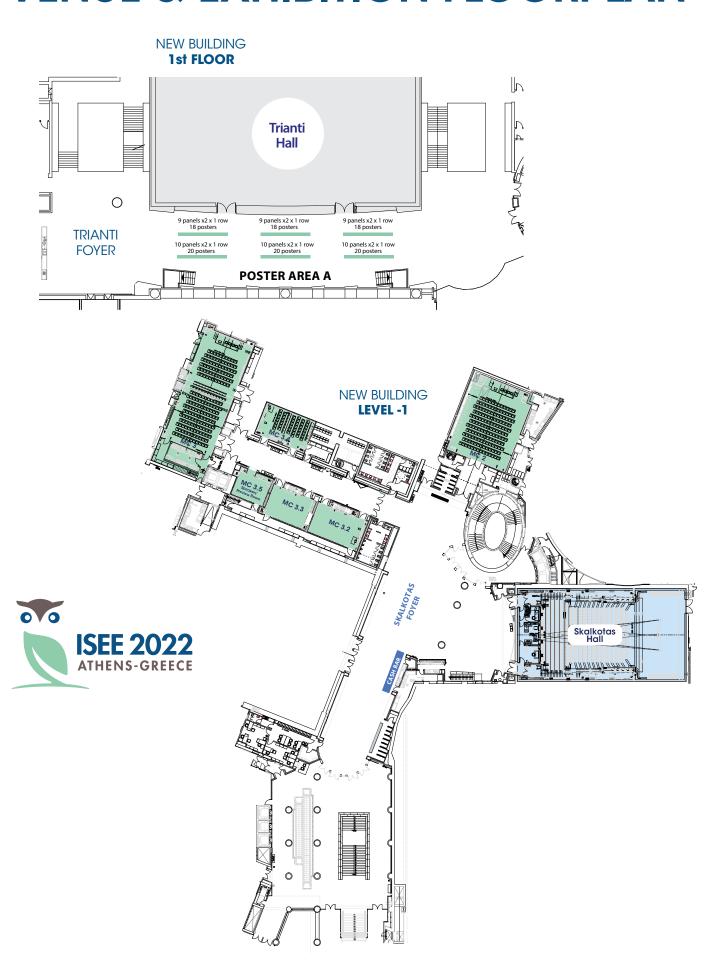


booth

- National Institute of Environmental Health Sciences (NIEHS)
- 2 Access Sensor Technologies
- 3 ISEE Anti-Racism Task Force (ARTF)
- 4 ISEE Students and New Researchers Network (SNRN)
- 5 ISEE North America Chapter
- 6 ISEE Latin American and the Caribbean Chapter
- 7 ISEE Europe Chapter
- 8 ISEE Eastern Mediterranean Chapter
- 9 ISEE Asia and Western Pacific Chapter
- 10 ISEE Africa Chapter
- 11 ISEE Ethics and Philosophy Committee
- 12 ISEE Capacity Building and Education Committee

- 13 ISEE Communications Committee
- 14 ISEE Policy Committee
- 15 ISEE 2023 Conference
- 16 ISEE Annual Conference Committee
- 17 ISEE Membership Committee
- Green Fund Hellenic Ministry of Environment and Energy
- 20 Health Effects Institute (HEI)
- Centers for Disease Control and Prevention (CDC) | National Center for Environmental Health (NCEH)
- 22 International Journal of Environmental Research and Public Health (MDPI)

VENUE & EXHIBITION FLOORPLAN





ABSTRACT BOOK

ISEE 2022 Conference abstracts have been published in electronic format and will be sent to all the registered delegates.

APP

Android devices

Search for The Event App by EventsAIR on PlayStore. When you are prompted for a code upon launching the App, insert isee2022.

iOS devices

Search for The Event App by EventsAIR on AppStore. When you are prompted for a code upon launching the App, insert isee2022.



CASH BAR

Two cash bars will be operating throughout Conference dates in the Conference venue: one is situated in the Trianti foyer balcony (Poster Area A), and one in the Skalkotas foyer (Level -1). Delegates are welcome to purchase food and beverage items, at the respective costs. Kindly note that the cash bar will remain closed during official Coffee and Lunch Breaks.

CASH POINTS

An Alpha Bank ATM machine is located inside the MAICC (Main Building entrance). Closest bank is Piraeus Bank (Address: 97, Vassilisis Sofias avenue). Banks in Greece operate daily from 08:00 to 14:00.

CLOAKROOM

A Cloakroom will be operating in the ground level of the Conference venue, in close proximity with the Registration Desk. Delegates' items (such as coats, poster cases, etc.) can be left at the Cloakroom only on a daily basis and during Conference operating hours.

CONGRESS DATES

Sunday, 18 September to Wednesday, 21 September 2022

CONGRESS VENUE

Megaron Athens International Conference Centre (MAICC)

Vas. Sofias avenue & Kokkali street, Athens 115 21, Greece. T. +30 210 7282000

COVID-19 PROTOCOLS

The International Society for Environmental Epidemiology aims to provide a safe environment in our 2022 Conference. This is the first planned Conference with physical in-person attendance after our 2019 Conference in Utrecht, The Netherlands.

- ✓ Non-registered delegates will not be allowed into the Conference Areas
- ✓ Certificate of a negative rapid-test done by professional staff (no self-tests accepted) 24 hrs ahead of first entry to Conference areas must be demonstrated at the Secretariat for obtaining your badge. Professional testing will be available at the Conference Venue on Sunday from 09:00-17:00 and Monday from 08:00-14:00, at the cost of 7 EUR.
- Participants with symptoms such as fever, cough, shortness of breath, etc., will not be allowed into all Conference Venue premises.
- ✓ All participants must respect physical/social distancing. Maintain at least a 1.5 meter distance between yourself and others.
- Wearing a mask (N95, KN95, or KF94) is mandatory for all present at the Venue throughout the Conference, and you are please requested to bring your own masks. The appropriate use (both nose and mouth covered), storage and cleaning or disposal are essential to make masks as effective as possible.
- ✓ Hand sanitizer will be available in several places
 of the Conference Venue.
- Regularly and thoroughly wash your hands with soap and water.
- ✓ Avoid touching your eyes, nose and mouth
- Cover your mouth and nose with your bent elbow or tissue when you cough or sneeze.

CURRENCY / EXCHANGE

The Greek currency is euro (EUR). Exchange offices are located all around the city centre (exchange offices and banks).



ELECTRICITY

The electrical power supply voltage in Greece is 220-240 Volts (US/Canada: 110-120 Volts).

EMERGENCY CONTACTS

Police: 100

Fire department: 199

Medical emergency (ambulance): 166 European emergency contact number

(all above): 112

ENVIRONMENTAL POLICY

The ISEE 2022 Conference is observing an environmentally friendly policy. In this context, every effort has been made from preparation to realization of the Conference, to minimize impact on the environment. The Organising Secretariat observes an in-house recycling policy, and offices are hosted in energy saving premises. During the ISEE 2022 Conference, no plastic badges will be used. All delegate material is environmentally friendly, where possible made from recycled material. Delegates will receive a water container, which they can fill at the water stations available in various Conference areas. Venue selection has taken into account easy access through a variety of public transportation environmentally friendly choices, thus minimizing carbon footprint.

EXHIBITION OPERATING HOURS

All exhibitors are listed in the Program Book (see Industry Section and Venue Floorplans). The exhibition will run during Conference dates at the designated areas, during coffee and lunch breaks.

MONDAY 19.09.2022 → 08:30-19:00 TUESDAY 20.09.2022 → 07:30-17:45 WEDNESDAY 21.09.2022 → 07:30-18:30



FACILITIES FOR PERSONS WITH IMPAIRED MOBILITY

MAICC premises have been specifically designed to support the needs of persons with impaired mobility. All Conference areas are equipped with facilities that allow easy access, whilst specially designed restrooms, trolley bars and ramps are available in all levels.

FOOD & BEVERAGES

Coffee & Lunch during official breaks is included in the delegate registration fee and will be served in designated catering stations in all Congress areas.



HYBRID FORMAT

Overcoming the pandemic crisis – and a long period of postponing the event – we are excited to finally be able to organize a physical event with interaction and full of networking opportunities in the beautiful and historic capital of Greece, Athens. Thanks to flexible technology provided to us, the Organizers have adapted the new trend in congresses structure: the ISEE 2022 is held in a hybrid format. It will be mainly a Conference with physical attendance; nevertheless, it will also have a strong digital presence with participation of highlevel attendees.

Physical participation is encouraged so that this Conference makes a strong statement marking the reopening of face-to-face interaction and networking. All Conference sessions can be watched live via the ISEE 2022 virtual platform, by clicking on the session's name, where you can find more information and the livestream itself.

Live Support: A Live Support system will be available for all attendees who will participate in the Conference, in order to resolve any technical issues that may arise and/or provide guidance through the platform.

Meeting Hub: You will be able to contact all participants and interact with your colleagues through the Meeting Hub section.

IMPORTANT NOTE: ISEE 2022 sessions will be recorded and made available for post-viewing for a period of three (3) months following Conference dates.



INTERNET

Free WiFi access will be available in all Congress areas throughout the duration of the ISEE 2022 Conference.

Network: isee2022



LANGUAGE

English is the official language of the ISEE 2022. No simultaneous interpretation is provided.

LIABILITY AND INSURANCE

Registration fees do not include participants' insurance against personal accidents, sickness and cancellations by any party, theft, loss or damage to personal possessions. Participants are requested to make their own arrangements with respect to health and travel insurance. ISEE and the Conference PCO Convin SA accept no liability.

LOST & FOUND

A lost and found service is available at the Cloakroom, operating near the Registrations Desk.



PARKING

The Congress venue offers a total of 750 parking spaces in a 3-story underground car-park facility.

PHOTOS

Photos of sessions and Conference areas will be taken during the ISEE 2022 Conference. Attendees are advised to contact the Registrations Desk, for any issue or objection with this respect.

PRESS OFFICE

Members of the Press are welcome to register and receive the delegate material from the Registration Desk. Conference material will be made available upon request and through the official social media of the Conference and its Organizers.



REGISTRATION

BADGES

Registration badges will be used during the ISEE 2022 Conference. Participants will receive their badges upon check-in at the Registrations Desk. For identification purposes and admission to scientific sessions, participants are requested to wear their badges at all times. Admission to Conference areas will not be allowed without badge identification.

CERTIFICATES OF ATTENDANCE

A Certificate of Attendance will be sent to all registered participants after the Conference via email.

REGISTRATION & HOSPITALITY DESK

The Registrations Desk and Onsite Secretariat is located near the main entrance of the Conference venue.

Operating hours:

SUNDAY 18.09.2022 → 09:00-17:30 MONDAY 19.09.2022 → 07:00-19:00 TUESDAY 20.09.2022 → 07:00-18:00 WEDNESDAY 21.09.2022 → 07:00-18:30

The Hospitality Desk will be operating near the Registrations Desk, offering services to delegates that could facilitate their travel arrangements and make their stay in Athens as pleasant as possible, including information about hotels and the city.

REGISTRATION FEESIn-person (Physical) Attendance

CATEGORY	LATE/ONSITE FEE
ISEE Member fee	800,00€
Non-Member fee	980,00€
ISEE Member Student fee	480,00€
Non-Member Student fee	555,00€
ISEE Member LMIC fee	500,00€
Non-Member LMIC fee	545,00€
ISEE Member Emeritus fee	640,00 €
Non-Member Emeritus fee	730,00 €
ISEE Member Subsidized/Early Career fee	650,00 €
Non-Member Subsidized/Early Career fee	750,00 €
ISEE Member Government fee	730,00 €
Non-Member Government fee	840,00 €

Physical Registration Entitlements:

Admission to all conference sessions / Access to Poster areas / Access to Exhibition area / Coffee & Lunch during official breaks / Opening Ceremony & Welcome Reception / Electronic certificate of attendance (pdf) / Conference mobile app / Final program e-book (pdf) / Abstract e-book (pdf) / Abstracts to be published online as a Supplement of Environmental Health Perspectives / Live access to the Virtual Platform (including e-Poster Gallery and Virtual Exhibition) / On-demand recorded sessions attendance through the Virtual Platform for a minimum of three (3) months after completion of the ISEE 2022 Conference.

Above fees do not include the Conference dinner, which can be purchased at an additional cost of 50€ per registered delegate. Accompanying persons can book their tickets at a fee of 100€ p.p. Tickets can be purchased until 18 September 2022 at the closing of the Registration Desk.

Virtual Attendance

CATEGORY	LATE/ONSITE FEE
ISEE Member fee	475,00€
Non-Member fee	650,00€
ISEE Member Student fee	265,00€
Non-Member Student fee	330,00€
ISEE Member LMIC fee	275,00€
Non-Member LMIC fee	305,00€
ISEE Member Emeritus fee	385,00 €
Non-Member Emeritus fee	475,00 €
ISEE Member Subsidized/Early Career fee	390,00 €
Non-Member Subsidized/Early Career fee	490,00 €
ISEE Member Government fee	425,00 €
Non-Member Government fee	545,00 €

Virtual Registration Entitlements:

Live access to the Virtual Platform for: Virtual live attendance at all sessions / Access to the Virtual Exhibition area / Access to e-poster area Additionally: Electronic certificate of attendance (pdf) / Conference mobile app / Final program e-book (pdf) / Abstract e-book (pdf) / Abstracts to be published online as a Supplement of Environmental Health Perspectives / On-demand recorded sessions attendance through the Virtual Platform for a minimum of three (3) months after completion of the ISEE 2022 Conference.



SELF-CHECK-IN STATIONS

Conference delegates who do not have outstanding payments may collect their name badges through the Self-check-in stations, located near the main entrance of the Conference venue, thus avoiding queues for badge pick-up.

SOCIAL RESPONSIBILITY & SUSTAINABILITY

CSR

ISEE 2022 promotes CSR actions and initiatives which reflect our identity and sense of responsibility to society and people.

WHAT YOU CAN DO

Tailor-made Aid Box

Create your own amenities box for the Athens Homeless Foundation

MSF

Support the worldwide movement of Médecins Sans Frontières

WHAT WE DO

No portion of food wasted.

All leftover food portions will be donated to the non-profit organization Boroume.

CHILDCARE SERVICES

Childcare services for children aged 2+ will be provided during the ISEE 2022 conference. There will be a specially assigned room (Allegro hall) in the conference venue for childcare from Monday, 19 to Wednesday 21 September. Operating hours are 9:00-17:00. There is no associated cost for this service. Pre-booking is required.

SUSTAINABILITY

ISEE 2022 implements a Carbon Management Program. We invite you to answer the questionnaire shared through the informative letter sent to all registered delegates ahead of the event. With the above process, any environmental impacts of the event will be balanced by the offsetting procedure in Jangi 91.8 MW Wind Farm in Gujarat (ID Num: 6702 - UNFCCC CERTIFIED PROJECTS).



TAXI SERVICES

Delegates can hire taxis at the taxi station located across the Conference venue or address the Hospitality Desk for orders by phone.

TELECOMMUNICATIONS

There are 3 main GSM operators in Greece: Cosmote, Vodafone, and Wind. The protocols for digital mobile telephone transmissions are based on GSM technology, operating at the frequencies of 900 and 1800 MHz. Please contact your provider for further details.

TIME

Athens follows UTC/GMT +3 hours during the summer period.

TIPPING

In restaurants, hotels, taxis or other services, tipping is optional, and customized per case, depending on whether you are pleased with the service. Approximately 5% of the bill is a good guideline.



WEATHER

The weather in Athens in September is sunny and pleasant, with average temperature ranging between 20°C (68°F) and 30°C (86°F).

PRESENTER GUIDELINES

INSTRUCTIONS FOR SESSION CHAIRS, SPEAKERS & ORAL/PECHA KUCHA PRESENTERS

All Conference session halls are equipped with the following:

- ✔ Projector & 16:9 screen (also suitable for 4:3 presentations)
- ✓ Chairs' table and microphones
- ✓ Lectern with laptop, wireless microphone & laser pointer
- ✓ Audience microphones for discussion purposes

No personal computers will be allowed.

All presentations should be handed in at the Speakers' Preview Room (MC 3.5 Hall), located in level -1 of the Conference venue, latest two (2) hours prior to the respective session, or the day before for early morning presentations. We strongly advise presenters to check their presentations well in advance, to ensure content is depicted according to their wishes. The Speakers' Preview Room will be operating throughout Conference dates, according to the below schedule:

Operating hours:

SUNDAY 18.09.2022 → 09:00-17:30 TUESDAY 20.09.2022 → 07:00-18:00 MONDAY 19.09.2022 → 07:00-19:00 WEDNESDAY 21.09.2022 → 07:00-18:30

Chairs, Speakers and Oral abstract presenters who are present in Athens should be close to the stage and ready for the session at least 15 minutes before its beginning, to meet the steward/hostess and ensure everything is in place. Chairs are allocated at the panel desk, where chair screens and fixed microphones will be provided to facilitate their assignment. Chairs are advised to be alert and observe time allocation, as they are responsible for the smooth running of their session and the overall programme flow.

Those participating virtually will be asked to turn on their microphone and camera and share their screen when it is their turn to present. Each oral presentation is allocated 12 minutes, plus 3 minutes of discussion time. Each Pecha Kucha presentation is allocated 5 minutes of presentation time. Presenters are kindly requested to observe the time allotted to their presentations to ensure the smooth running of the Conference program.

INSTRUCTIONS FOR POSTER PRESENTERS

POSTER PRESENTATIONS DISPLAYED ONSITE:

Presenters registered within the authors' registration deadline for physical attendance have been allocated a panel for displaying their poster in Conference Poster Areas (A & B). Physical posters will be mounted and dismounted on a daily basis. Each poster panel will be marked with the poster presentation codes for each day of the Conference. Please note that there will be no option to mount unallocated posters on an unassigned poster panel; there will also be no option to mount your poster to the panel on a different date than the one assigned.

POSTER MOUNTING SCHEDULE: 07:00-08:00 am on the day of presentation

POSTER DISMANTLING SCHEDULE: 18:00-19:00 on the day of presentation

POSTER DIMENSIONS: Maximum allowed is standard A0 size (120cm height x 84cm width) | ORIENTATION: Vertical (portrait). It is essential that presenters clear their poster board promptly and within the time limit, as indicated above. Please note that posters left on a poster board after the removal deadline will be discarded. The ISEE2022 PCO, CONVIN SA, will not be responsible for posters or any material left behind, lost, stolen or damaged.

A Poster Helpdesk will be operating during Conference dates, for onsite support, during mounting and dismounting hours. However, posters will not be mounted or dismounted by the Poster Helpdesk staff, who will be there to assist you with locating your panel and providing adhesive material for mounting.

POSTER VIEWING HOURS: Physical poster presenters are urged to make themselves available in the Poster Area during official coffee / lunch breaks, in order to discuss their findings with other delegates.

POSTER DISCUSSION:

Posters selected by the dedicated review Committees are allocated time for presentation within dedicated Poster Discussion Sessions. We would like to stress that this does not apply to all poster presentations. Posters selected to be part of the Poster Discussion Sessions are mounted in a dedicated Poster Area of the Conference venue, according to the above mounting / dismounting schedule. Each Poster Discussion Session is allocated 90 minutes. The Poster Discussion Session Chairs will be coordinating discussions in front of each poster panel. Each poster is allocated 3 minutes for presentation and 3 minutes for discussion.

E-POSTERS:

In addition, all poster presenters have been asked to provide an electronic version of their posters. The electronic versions of all the posters will be available throughout Conference dates, as well as during the post-viewing period, at the Virtual Platform e-Poster Gallery. Once accessing each separate e-Poster in the platform gallery, delegates will be able to submit questions on the posters, which you can reply via the chat in an asynchronous way. This is the only form of presentation for presenters that have registered for virtual attendance within the authors' registration deadline. There will be no dedicated time for e-poster presentation during the ISEE 2022 Conference, nor panels available for a printed version to be mounted by a colleague attending onsite.

SOCIAL PROGRAM

OPENING CEREMONY & WELCOME RECEPTION

WHEN: Sunday, 18 September 2022 at 19:30-22:00

WHERE: Byzantine & Christian Museum (1 km / 13 min. walking distance from MAICC – Walk in groups starting from the Conference Venue)

WHAT: Opportunity to network with friends in an oasis at the very heart of the city.

WHO: All registered attendees (included in registration fee)

DRESS CODE: Smart casual

DURING THE WELCOME RECEPTION:

"Modes & Moods - Music by Mikis Theodorakis" Jazz approach of Mikis Theodorakis' music, by the Dimitris Kalantzis Quartet



CONFERENCE DINNER

WHEN: Tuesday, 20 September 2022 at 20:00-23:30

WHERE: BLE AZURE Venue

WHAT: Buffet dinner with colleagues in a relaxing atmosphere overlooking the sea.

WHO: Registration fee add on. Tickets can be purchased by delegates at 50 € and by accompanying persons at 100€ until 18 September.

DRESS CODE: Cocktail attire

Following Dinner

DJ party

HOW TO GET THERE: Transportation by shuttle busses will be provided. Pick-up from the Congress venue entrance (MAICC) at 19:00. Return shuttles from the Dinner venue to the Congress venue (MAICC) starting from 23:30 hrs.

HOW TO PURCHASE TICKETS:

Tickets can be purchased at the Registration Desk and will be displayed on the delegate badge.

Important note: Conference Dinner tickets will be available until 18 September.

SPECIAL FEE applicable for accompanying persons attending both events (Welcome Reception & Networking Dinner): 150 €.







ISEE 2022 AWARDS

John Goldsmith Award

for Outstanding Contributions to Environmental Epidemiology



Francesco Forastiere,National Research Council, Palermo, Italy

This award was created to honor the legacy of Dr John Goldsmith (passed away 1999), one of the organizers, early leaders, and constant supporter of the International Society for Environmental Epidemiology. This award is given to investigators for "sustained and outstanding contributions to the knowledge and practice of environmental epidemiology." Recipients have typically contributed in substantive and innovative fashion to the methods and practice of epidemiology over many years.

Tony McMichael Mid-Term Career Award



Cathryn Tonne, ISGlobal, Barcelona Institute for Global Health, Barcelona, Spain

This award was created in Dr Tony McMichael's memory to recognize mid-career scientists. Tony, who passed away in 2014, was a world renowned epidemiologist known not only for his scientific work, but also for his compassionate mentoring of junior colleagues. He was President of ISEE from 2008-2009.

Rebecca James Baker Award



Yanelli Núñez,Mailman School of Public Health, Columbia
University, New York, USA

This award was created in memory of Dr. Rebecca Baker, a young investigator with a commitment to environmental epidemiology as a tool for improving public health and quality of life. She worked on many international studies with people from different cultures and backgrounds, and was an active member in the Society. She passed away in 2004. The award is given to new investigators who embody her approach to epidemiological research.

ISEE 2022 AWARDS

Best Environmental Epidemiology Paper Award



Josh Alampi,Simon Fraser University, Burnaby, Canada

"Association Between Gestational Exposure to Toxicants and Autistic Behaviors Using Bayesian Quantile Regression"

American Journal of Epidemiology

This ISEE annual award for the best environmental epidemiology paper published in a peer-reviewed journal aims to recognize excellence in the field of environmental epidemiology and encourage the publication of outstanding papers.

ISEE 2022 NEW RESEARCHERS ABSTRACT AWARDS

Best Environmental Epidemiology Paper Award

Abstracts will be judged before the meeting, and awards handed out during the closing ceremony.

ISEE FELLOWS 2022 RECIPIENTS



Gwen Collman, NIEHS, United States



Nelson Gouveia, University of Sao Paulo, Brazil



Shu-Li Julie Wang, National Health Research Institutes, Taiwan



Ying Zhang, University of Sydney, Australia

LMIC BEST ABSTRACT AWARD



Aqiel Dalvie

"The association between urinary concentrations of organophosphate metabolites and asthmarelated outcomes at 12-month follow-up among children from informal settlements in Western Cape, South Africa",

Africa Chapter



Mohammad Miri

"Determinants of carbon load in airway macrophages in pregnant women", Eastern Mediterranean Chapter



"Assessing daily PM2.5 at every square kilometer of India over 2008-2020 using a machine learning framework",

Asia & Western Pacific Chapter



"Long-term exposure to PM2.5 and avoidable mortality in Colombia 2014-2019",

Latin America and Caribbean Chapter

Siddhartha Mandal

Laura Andrea Rodriguez-Villamizar



PROGRAM OVERVIEW

SUNDAY 18 SEPTEMBER 2022

TIME	MC3 HALL (180 seats) -1 Level	MC2 HALL (150 seats) -1 level	MC3.2 HALL (55 seats) -1 Level
09:00-09:15		REGISTRATION OPENS	
09:15-09:30			
09:30-09:45			
09:45-10:00			
10:00-10:15			
10:15-10:30			
10:30-10:45			
10:45-11:00			EXPANSE WP3
11:00-11:15			MEETING
11:15-11:30			
11:30-11:45	WORKSHOP 07	WORKSHOP 02	
11:45-12:00	[HALF DAY]	[HALF DAY] Practical guidance and tools	
12:00-12:15	Strategies for enhancing peer review as a reviewer and author	to recover and restore environments	
12:15-12:30	review as a reviewer and author	impacted by chemical incidents	
12:30-12:45			
12:45-13:00			
13:00-13:15			EXPANSE GENERAL MEETING
13:15-13:30			EXPANSE GENERAL MEETING
13:30-13:45			
13:45-14:00	INTERM	MISSION	
14:00-14:15	IIVIENIV	IISSION	
14:15-14:30			
14:30-14:45			
14:45-15:00			
15:00-15:15			
15:15-15:30			
15:30-15:45	WORKSHOP 05	WORKSHOP 06	WORKSHOP 08
15:45-16:00	[HALF DAY] Climate Change and Health in LMICs:	[HALF DAY] Causal Mediation analysis	[HALF DAY]
16:00-16:15	Toward Equitable, Transdisciplinary	and its application in	The case time series design for environmental epidemiology
16:15-16:30	Research in Environmental Epidemiology	environmental epidemiology	environmental epiderniology
16:30-16:45			
16:45-17:00			
17:00-17:15			
17:15-17:30			
17:30-17:45			
17:45-18:00			
18:00-18:15			
18:15-18:30			
18:30-18:45			
18:45-19:30	ISEE NEW MEMBERS NETWORKING E	VENT (at the Welcome Reception venue - THE	BYZANTINE MUSEUM)
19:30-20:00	OPENING CEREMONY (at the Welcom	e Reception venue - THE BYZANTINE MUSEUM	0
20:00-22:00	WELCOME RECEPTION at the BYZAN	ITINE MUSEUM	

SUNDAY 18 SEPTEMBER 2022

WORKSHOP 03 [HALF DAY] Advanced two-stage methods in environmental epidemiology – study designs, statistical models, and software WORKSHOP 01 [HALF DAY] The Role of Implementation Science in Global Environmental Public Health WORKSHOP 04 - part I [FULL DAY] How to Conduct Systematic Revier and Meta-Analyses to Improve Environmental Health Policy and Decision-Making WORKSHOP 04 - part I [FULL DAY] How to Conduct Systematic Revier and Meta-Analyses to Improve Environmental Health Policy and Decision-Making	BREAKOUT ROOM Council Room (20 seats) 0 Level
HALF DAY] Advanced two-stage methods in environmental epidemiology – study designs, statistical models, and software INTERMISSION WORKSHOP 01 [HALF DAY] The Role of Implementation Science in Global Environmental Public Health WORKSHOP 01 [HALF DAY] The Role of Implementation Science in Global Environmental Public Health WORKSHOP 04 - part I [FULL DAY] How to Conduct Systematic Review and Meta-Analyses to Improve Environmental Health Policy and Meta-Analyses to Improve Environmental Health Poli	
WORKSHOP 01 [HALF DAY] The Role of Implementation Science in Global Environmental Public Health WORKSHOP 04 - part II [FULL DAY] How to Conduct Systematic Review and Meta-Analyses to Improve Environmental Health Policy and	
[HALF DAY] The Role of Implementation Science in Global Environmental Public Health The Role of Implementation Science and Meta-Analyses to Improve Environmental Health Policy and	

WELCOME RECEPTION at the BYZANTINE MUSEUM

PROGRAM OVERVIEW

MONDAY 19 SEPTEMBER 2022

	TRIANTI HALL	SKALKOTAS HALL	MULTIPURPOSE HALL	MC3 HALL
TIME	Plenary Hall (1480 seats) 0 Level	Parallel Hall 1 (380 seats) -1 Level	Parallel Hall 2 (200 seats) 0 Level	Parallel Hall 3 (180 seats) -1 Level
08:30-08:45	KEYNOTE LECTURE 1			
08:45-09:00	Airborne microplastics: are			
09:00-09:15	they the new enemy? SPEAKER: F. Kelly (UK)			
09:15-09:30	KEYNOTE PANEL 1			
09:30-09:45	Climate Change and Health			
09:45-10:00	CHAIR: K. Ebi (US) SPEAKER: J. Hess (US)			
10:00-10:15	PANELISTS: I. Hamilton (UK), K. Aunan (NO)			
10:15-10:45		COFFE	E BREAK	
10:45-11:00			SYMPOSIUM 03	SYMPOSIUM 04
11:00-11:15	SYMPOSIUM 01	SYMPOSIUM 02	Strengthening the global	PFAS hotspots and highly
11:15-11:30	Climate disasters, human	Multimodal environmental influences on children and	role of environmental	exposed communities: addressing
11:30-11:45	health, and public health	adolescent's brain, cognitive,	epidemiology in the issue of water, sanitation and public	community needs and advancing global collaborative exposure
11:45-12:00	responses	and mental health outcomes	health in Latin American and	assessment and epidemiological
12:00-12:15			Caribbean countries	research
12:15-12:30				
12:30-12:45	LUNCH BREAK	ISEE NORTH AMERICA	ISEE LATIN AMERICA & CARIBBEAN CHAPTER	ISEE EUROPE CHAPTER
12:45-13:00	LUNCH DREAK	CHAPTER MEETING	MEETING	MEETING
13:00-13:15				
13:15-13:30		SYMPOSIUM 06		
13:30-13:45	SYMPOSIUM 05 Undermeasured and	The Multi-Country Multi-City		SYMPOSIUM 08 Magnetic Resonance Imaging
13:45-14:00	undervalued: examining	(MCC) Collaborative Research Network: an international	SYMPOSIUM 07 Disparities in US drinking	(MRI); a cross-cutting tool at
14:00-14:15	social-structural factors in women's and children's global	collaboration for global studies	water quality and access	the intersection of environmental epidemiology and
14:15-14:30	environmental health	on environmental risks, climate change, and health		developmental neuroscience
14:30-14:45		Change, and nearth		
14:45-15:15		COFFE	E BREAK	
15:15-15:30	ORAL PRESENTATIONS			
15:30-15:45	SESSION 09	ORAL PRESENTATIONS SESSION 10	ORAL PRESENTATIONS SESSION 11	PECHA KUCHA SESSION 01
15:45-16:00	Climate change: Health Impact Assessment	Air pollution and	Environmental exposures	Air pollution (from ambient and indoor sources) and health
16:00-16:15	and intervention policies	neurobehavioural outcomes	and emerging outcomes	
16:15-16:30				
16:30-16:45	6)/AAD 6:::::	ORAL PRESENTATIONS	ORAL PRESENTATIONS	ORAL PRESENTATIONS
16:45-17:00	SYMPOSIUM 09 Infections and the	SESSION 15 Long-term exposure	SESSION 16	SESSION 17 Reproductive outcomes
17:00-17:15	environment	to air pollution and health	Child health and exposure to PFAs	and various environmental
17:15-17:30		outcomes		exposures (2)
17:30-17:45				
17:45-18:00				
18:00-18:15				
18:15-18:30	ISEE GENERAL MEMBERSHIP			
18:30-18:45	MEETING			
18:45-19:00				
19:00-20:00	SNRN soci	al event (picnic @ Parko Ele	ftherias - next to Conference	ce venue)

MONDAY 19 SEPTEMBER 2022

SESSION 01 Air pollution, diabetes and cardiometabolic outcomes and various environmental exposures (1) ISEE EASTERN MEDITERRANEAN CHAPTER MEETING ORAL PRESENTATIONS SESSION 05 Challenges in health studies of chemicals from methods to policy ORAL PRESENTATIONS SESSION 06 Charlenges in health studies of chemicals from methods to policy ORAL PRESENTATIONS SESSION 12 PECHA KUCHA SESSION 02 Exposure assessment ORAL PRESENTATIONS SESSION 12 Exposure assessment ORAL PRESENTATIONS SESSION 13 OCCUpational exposures, mental health and other outcomes ORAL PRESENTATIONS SESSION 18 Advances in statistical methods ORAL PRESENTATIONS SESSION 19 Exposure assessment, environment and health moderate displayment and health methods implications (1) ORAL PRESENTATIONS SESSION 12 ORAL PRESENTATIONS SESSION 18 Advances in statistical methods ORAL PRESENTATIONS SESSION 19 Exposure assessment, environment and health mediath in low and medium income countries (1) ORAL PRESENTATIONS SESSION 05 ORAL PRESENTATIONS SESSION 05 ORAL PRESENTATIONS SESSION 07 ORAL PRESENTATIONS SESSION 10 ORAL PRESENTATIONS SESSION 20 ORAL PRESENTATIONS SESSION 21 Air pollution and cancer ouncreating and health Incapalities and health Inca	MC2 HALL Parallel Hall 4 (150 seats) -1 level	MC3,2 HALL Parallel Hall 5 (55 seats) -1 Level	MC3,3 HALL Parallel Hall 6 (40 seats) -1 Level	MC3,4 HALL Parallel Hall 7 (55 seats) -1 Level	BREAKOUT ROOM Council Room (20 seats) 0 Level	POSTER DISCUSSION AREA - Exhibition & Poster Area, 0 Level
ORAL PRESENTATIONS SESSION 02 Reproductive outcomes and various environmental exposures (1) ISEE EASTERN MEDITERRANEAN CHAPTER MEETING ORAL PRESENTATIONS SESSION 03 Noise exposure and health in low and medium income countries (1) (with Ethics Discussion) ISEE ASIA & WESTERN MEDITERRANEAN CHAPTER MEETING ORAL PRESENTATIONS SESSION 05 Challenges in health studies of chemicals: from methods to policy PCHA KUCHA SESSION 02 Exposure assessment risk assessment misk assessment for chemicals and pFAs ORAL PRESENTATIONS SESSION 02 Exposure assessment ORAL PRESENTATIONS SESSION 03 ORAL PRESENTATIONS SESSION 05 Challenges in health studies of chemicals: from methods to policy ORAL PRESENTATIONS SESSION 05 Challenges in health studies of chemicals: from methods to policy ORAL PRESENTATIONS SESSION 05 Challenges in health studies of chemicals: from methods to policy ORAL PRESENTATIONS SESSION 05 Challenges in health studies of chemicals: from methods to policy ORAL PRESENTATIONS SESSION 05 Challenges in health studies of chemicals: from methods to policy ORAL PRESENTATIONS SESSION 05 Challenges in health studies of chemicals: from methods to policy ORAL PRESENTATIONS SESSION 05 Child health and exposure to phthalates (with Ethics Discussion) ORAL PRESENTATIONS SESSION 05 Child health and exposure to phthalates (with Ethics Discussion) ORAL PRESENTATIONS SESSION 05 Child health and exposure to phthalates (with Ethics Discussion) ORAL PRESENTATIONS SESSION 05 Child health and exposure to phthalates (with Ethics Discussion) ORAL PRESENTATIONS SESSION 05 Child health and exposure to phthalates (with Ethics Discussion) ORAL PRESENTATIONS SESSION 05 Child health and exposure to phthalates (with Ethics Discussion) ORAL PRESENTATIONS SESSION 05 Child health and exposure to phthalates (with Ethics Discussion) ORAL PRESENTATIONS SESSION 05 Child health and exposure to phthalates (with Ethics Discussion) ORAL PRESENTATIONS SESSION 05 Child health and the exposure to phthalates (with Ethics Discussion) ORAL PRE						
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SNRN social event (picnic @ Parko Eleftherias - next to Conference venue)		CNDN as sist success	(nienie a Barto Eleft	hoving pout to Court		

PROGRAM OVERVIEW

TUESDAY 20 SEPTEMBER 2022

	TRIANTI HALL	SKALKOTAS HALL	MULTIPURPOSE HALL	MC3 HALL
TIME	Plenary Hall (1480 seats) 0 Level	Parallel Hall 1	Parallel Hall 2	Parallel Hall 3
07:30-07:45	(1480 seats) 0 Level	(380 seats) -1 Level	(200 seats) 0 Level	(180 seats) -1 Level
07:45-08:00				
08:00-08:15		EARLY MORNING		EARLY MORNING
00.00 00.13		SESSION 01	EARLY MORNING SESSION 02	SESSION 03
08:15-08:30		Civic engagement at ISEE: ramping up our efforts for impactful research	Nitrate-Contaminated Drinking Water: A widespread health threat and some potential solutions	Ethical issues and bias in scientific publishing: What to look out for and how to address bias in the publication process
08:30-08:45	GOLDSMITH AWARD			
08:45-09:00	CEREMONY & LECTURE			
09:00-09:15	KEYNOTE LECTURE 2			
09:15-09:30	Assessing environmental factors			
	in COVID-19 outbreaks: a One			
09:30-09:45	Health perspective			
00:45 10:00	SPEAKER: L. Smit (NL)			
09:45-10:00	KEYNOTE LECTURE 3 Promoting healthy and			
10:00-10:15	sustainable urban environments			
10:15-10:30	across global contexts			
	SPEAKER: C. Tonne (ES)			
10:30-10:45	KEYNOTE PANEL 2			
10:45-11:00	EU policy plans on air pollution			
	CHAIR: F. Forastiere (UK) SPEAKER: T. Henrichs (BE)			
11:00-11:15	DISCUSSANTS: B. Hoffmann (DE),			
	S. Perroud (BE)			
11:15-11:45		COF	FEE BREAK	
11:15-11:45 11:45-12:00				SYMPOSIUM 13
11:45-12:00 12:00-12:15	SYMPOSIUM 10	COF SYMPOSIUM 11 Impact of exposure	SYMPOSIUM 12 The project EXHAUSTION - Heat	Advancing air pollution
11:45-12:00 12:00-12:15 12:15-12:30	A new era in global climate	SYMPOSIUM 11 Impact of exposure measurement error (ME)	SYMPOSIUM 12 The project EXHAUSTION - Heat and air pollution effects on	Advancing air pollution epidemiology in India: building
11:45-12:00 12:00-12:15 12:15-12:30 12:30-12:45	A new era in global climate change and human health	SYMPOSIUM 11 Impact of exposure measurement error (ME) on the health effect	SYMPOSIUM 12 The project EXHAUSTION - Heat and air pollution effects on cardiopulmonary mortality and	Advancing air pollution
11:45-12:00 12:00-12:15 12:15-12:30 12:30-12:45 12:45-13:00	A new era in global climate	SYMPOSIUM 11 Impact of exposure measurement error (ME) on the health effect estimates: quantification	SYMPOSIUM 12 The project EXHAUSTION - Heat and air pollution effects on cardiopulmonary mortality and morbidity: geographical variability	Advancing air pollution epidemiology in India: building capacity locally to address
11:45-12:00 12:00-12:15 12:15-12:30 12:30-12:45	A new era in global climate change and human health	SYMPOSIUM 11 Impact of exposure measurement error (ME) on the health effect	SYMPOSIUM 12 The project EXHAUSTION - Heat and air pollution effects on cardiopulmonary mortality and	Advancing air pollution epidemiology in India: building capacity locally to address questions of context, policy
11:45-12:00 12:00-12:15 12:15-12:30 12:30-12:45 12:45-13:00 13:00-13:15 13:15-13:30	A new era in global climate change and human health	SYMPOSIUM 11 Impact of exposure measurement error (ME) on the health effect estimates: quantification	SYMPOSIUM 12 The project EXHAUSTION - Heat and air pollution effects on cardiopulmonary mortality and morbidity: geographical variability	Advancing air pollution epidemiology in India: building capacity locally to address questions of context, policy relevance and methodological
11:45-12:00 12:00-12:15 12:15-12:30 12:30-12:45 12:45-13:00 13:00-13:15	A new era in global climate change and human health research funding and action	SYMPOSIUM 11 Impact of exposure measurement error (ME) on the health effect estimates: quantification and correction	SYMPOSIUM 12 The project EXHAUSTION - Heat and air pollution effects on cardiopulmonary mortality and morbidity: geographical variability and vulnerable groups in Europe	Advancing air pollution epidemiology in India: building capacity locally to address questions of context, policy relevance and methodological robustness
11:45-12:00 12:00-12:15 12:15-12:30 12:30-12:45 12:45-13:00 13:00-13:15 13:15-13:30 13:30-13:45 13:45-14:00	A new era in global climate change and human health	SYMPOSIUM 11 Impact of exposure measurement error (ME) on the health effect estimates: quantification and correction	SYMPOSIUM 12 The project EXHAUSTION - Heat and air pollution effects on cardiopulmonary mortality and morbidity: geographical variability	Advancing air pollution epidemiology in India: building capacity locally to address questions of context, policy relevance and methodological robustness
11:45-12:00 12:00-12:15 12:15-12:30 12:30-12:45 12:45-13:00 13:00-13:15 13:15-13:30 13:30-13:45 13:45-14:00 14:00-14:15	A new era in global climate change and human health research funding and action	SYMPOSIUM 11 Impact of exposure measurement error (ME) on the health effect estimates: quantification and correction	SYMPOSIUM 12 The project EXHAUSTION - Heat and air pollution effects on cardiopulmonary mortality and morbidity: geographical variability and vulnerable groups in Europe SNRN SESSION	Advancing air pollution epidemiology in India: building capacity locally to address questions of context, policy relevance and methodological robustness
11:45-12:00 12:00-12:15 12:15-12:30 12:30-12:45 12:45-13:00 13:00-13:15 13:15-13:30 13:30-13:45 13:45-14:00 14:00-14:15 14:15-14:30	A new era in global climate change and human health research funding and action LUNCH BE	SYMPOSIUM 11 Impact of exposure measurement error (ME) on the health effect estimates: quantification and correction	SYMPOSIUM 12 The project EXHAUSTION - Heat and air pollution effects on cardiopulmonary mortality and morbidity: geographical variability and vulnerable groups in Europe SNRN SESSION SYMPOSIUM 17	Advancing air pollution epidemiology in India: building capacity locally to address questions of context, policy relevance and methodological robustness
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11:45-12:00 12:00-12:15 12:15-12:30 12:30-12:45 12:45-13:00 13:00-13:15 13:15-13:30 13:30-13:45 13:45-14:00 14:00-14:15 14:15-14:30 14:30-14:45 14:45-15:00	A new era in global climate change and human health research funding and action LUNCH BE SYMPOSIUM 15 Location, Location! The importance of geospatial	SYMPOSIUM 11 Impact of exposure measurement error (ME) on the health effect estimates: quantification and correction REAK SYMPOSIUM 16 Toxicity of air pollutant mixtures: overcoming the	SYMPOSIUM 12 The project EXHAUSTION - Heat and air pollution effects on cardiopulmonary mortality and morbidity: geographical variability and vulnerable groups in Europe SNRN SESSION SYMPOSIUM 17 Two-way road: how has the environment affected the Covid-19	Advancing air pollution epidemiology in India: building capacity locally to address questions of context, policy relevance and methodological robustness ISEE ANNUAL CONFERENCE COMMITTEE MEETING SYMPOSIUM 18 Understanding the link
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TUESDAY 20 SEPTEMBER 2022

MC2 HALL	MC3,2 HALL	MC3,3 HALL	MC3,4 HALL	BREAKOUT ROOM	POSTER DISCUSSION		
Parallel Hall 4	Parallel Hall 5	Parallel Hall 6	Parallel Hall 7	Council Room	AREA - Exhibition &		
(150 seats) -1 level	(55 seats) -1 Level	(40 seats) -1 Level	(55 seats) -1 Level	(20 seats) 0 Level	Poster Area, 0 Level		
		EARLY MORNING					
	EARLY MORNING	SESSION 06					
	SESSION 05	The participation of					
EARLY MORNING	A panel discussion	family groups and					
SESSION 04	of challenges of	young people for					
SNRN - Transitioning from PhD to Postdoc	air pollution and COVID-19 research	the strengthening					
from PhD to Postdoc	in the Eastern	and application of environmental					
	Mediterranean Region	epidemiology. Report					
	Mediterranean negion	of Brazilian families					
		Of Diazillari farillics					
		COFFEE BREAK					
SYMPOSIUM 14			ORAL PRESENTATIONS		POSTER DISCUSSION		
Perfluoroalkyl and	ORAL PRESENTATIONS	ORAL PRESENTATIONS	SESSION 24		SESSION 04		
polyfluoroalkyl substances	SESSION 22	SESSION 23	Light at night, sleep		Aging and Environment		
(PFAS) in Indigenous	Health effects of	Child health and	and impacts of		Non-communicable		
communities: a case of	short-term air	exposure to pesticides	urbanicity on health		diseases including		
environmental injustice	pollution exposure	and other chemicals	(with Ethics Discussion)		cancer, cardio-metabolic		
,			(,		and neurological		
ISEE CAPACITY BUILDING	ISEE	ENVIRONMENTAL		ISEE ETHICS &			
& EDUCATION COMMITTEE	COMMUNICATIONS	EPIDEMIOLOGY	ISEE POLICY	PHILOSOPHY	LUNCH BREAK		
MEETING	COMMITTEE MEETING	EDITORIAL BOARD	COMMITTEE MEETING	COMMITTTEE	LONCII BREAK		
MEETING	COMMITTEE MEETING	MEETING		MEETING - PART II			
		ORAL PRESENTATIONS	ORAL PRESENTATIONS				
SYMPOSIUM 19	ORAL PRESENTATIONS	SESSION 26	SESSION 27		POSTER DISCUSSION		
Scientist connections	SESSION 25	Environmental equity:	In search of		SESSION 05		
with Environmental	Environment and	environmental	epigenetic signatures		Air pollution (ambient &		
Justice Communities	cardiovascular disease	inequalities and health	of environmental		indoor) and Sources		
Justice Communicies	caraiovascaiai aiscasc	implications (2)	exposures		maddif and sources		
		(with Ethics Discussion)	5				
		COFFEE BREAK					
	ORAL PRESENTATIONS				POSTER DISCUSSION		
ORAL PRESENTATIONS	SESSION 32	ORAL PRESENTATIONS	ORAL PRESENTATIONS		SESSION 06		
SESSION 31	Health consequences	SESSION 33	SESSION 34		Chemical Exposures		
Air pollution, cognitive	of meteorological	Air pollution and	Exposure to chemicals		Occupational Exposures		
function and dementia-	events and	emerging health	and adverse health		and Health Water		
related health outcomes	precipitation	outcomes	outcomes		Quality		
	(with Ethics Discussion)				 ,		
	Conference Dinner Ve		ving at 19:20)				
CONFEDENCE DINNED (20.00 22.20) First has been at 22.20 Leather leading at 00.20							

CONFERENCE DINNER (20:00 - 23:30) - First bus leaving at 23:30 - Last bus leaving at 00:30

PROGRAM OVERVIEW

WEDNESDAY 21 SEPTEMBER 2022

	TRIANTI HALL	SKALKOTAS HALL	MULTIPURPOSE HALL	MC3 HALL		
TIME	Plenary Hall	Parallel Hall 1	Parallel Hall 2	Parallel Hall 3		
	(1480 seats) 0 Level	(380 seats) -1 Level	(200 seats) 0 Level	(180 seats) -1 Level		
07:30-07:45		EARLY MORNING SESSION 07 Actionable insights from	Bridging Implementation	EARLY MORNING SESSION 09		
07:45-08:00		Environmental Health Practice:	Science and Health Equity	Air Pollution and Health:		
08:00-08:15		bridging the gap between	to Mitigate Climate Change	The Case of Central and		
08:15-08:30		research to practice	Impacts	Southeast Europe		
08:30-08:45	AWARDS CEREMONY					
08:45-09:00						
09:00-09:15	KEYNOTE LECTURE 4 Reproducible science for knowledge					
09:15-09:30	and decision-making					
09:30-09:45	SPEAKER: J.P.A. loannidis (US)					
09:45-10:00	KEYNOTE LECTURE 5					
10:00-10:15	Reinforcing democratic structures to protect the environment and health:					
10:15-10:30	when science meets democratic structures, re-writing the Chilean					
	constitution SPEAKER: M.E. Quinteros Cáceres (CL)					
10:30-10:45	KEYNOTE PANEL 3					
10:45-11:00	ARTF Keynote: Race and Racism from					
11:00-11:15	a Global Perspective SPEAKERS: M.G. Tesfau (IT)					
11:15-11:30	J. Beaman (US)					
11:30-12:00		COFFEE BREAK	,			
12:00-12:15						
12:15-12:30	SYMPOSIUM 20	SYMPOSIUM 21	SYMPOSIUM 22	ORAL PRESENTATIONS		
12:30-12:45	Epidemiological studies for	Is access to environmental public health monitoring and	Climate change, heat and	SESSION 35		
12:45-13:00	preparedness and response to public health and environmental	surveillance an equity and	maternal health: estimating	Occupational exposures		
13:00-13:15	crises and disasters	justice issue in low- and middle-income countries?	current and future burdens	and respiratory outcomes		
13:15-13:30		made meome countries.				
13:30-13:45						
13:45-14:00	LUNCH BREAK			BRAINSTORMING		
14:00-14:15			WOMEN'S SESSION	ON EE CRISIS		
14:15-14:30						
14:30-14:45						
14:45-15:00	SYMPOSIUM 23	SYMPOSIUM 24	ORAL PRESENTATIONS SESSION 40	ORAL PRESENTATIONS SESSION 41		
15:00-15:15	The use of epidemiology in risk	Chemical exposures and children's health in the United States: results				
15:15-15:30	assessment: challenges and innovations in translating human	from the NIH Environmental	Child health and exposure	Heat stress, temperature,		
15:30-15:45	health research	influences on Child Health Outcomes (ECHO) Program	to air pollution	air pollution and health		
15:45-16:00		Outcomes (ECHO) Frogram				
16:00-16:30	COFFEE BREAK					
16:30-16:45						
16:45-17:00						
17:00-17:15	SYMPOSIUM 25 Global perspectives on harmonizing	ORAL PRESENTATIONS SESSION 46	ORAL PRESENTATIONS	ORAL PRESENTATIONS SESSION 48		
17:15-17:30	chemical risk assessments: current	Environmental health and	SESSION 47 Water quality and health	Health consequences		
17:30-17:45	status and future needs	the COVID pandemic	water quality and fleatur	of extreme events		
17:45-18:00						
18:00-18:15	SNRN AWARDS & CLOSING					
10.00-10.13						

WEDNESDAY 21 SEPTEMBER 2022

MC2 HALL Parallel Hall 4	MC3,2 HALL Parallel Hall 5	MC3,3 HALL Parallel Hall 6	MC3,4 HALL Parallel Hall 7	BREAKOUT ROOM Council Room	POSTER DISCUSSION AREA - Exhibition &
(150 seats) -1 level	(55 seats) -1 Level	(40 seats) -1 Level	(55 seats) -1 Level	(20 seats) 0 Level	Poster Area, 0 Level
EARLY MORNING	(33 scuts) i Ecvei	(10 scats) 1 Ecver	(33 3cuts) 1 Ecver	(20 Scats) o Ecver	r oster Area, o zever
SESSION 10					
SNRN - Beyond academia:					
fulfilling and exciting					
non-academic careers					
		COFFEE BREAK			
		COTTLE BREAK			
	ORAL PRESENTATIONS				
ORAL PRESENTATIONS	SESSION 37	ORAL PRESENTATIONS	ORAL PRESENTATIONS		POSTER DISCUSSION
SESSION 36	Using metabolomics	SESSION 38	SESSION 39		SESSION 07
Air pollution: maternal	to understand	Greenspace, built	Reproductive outcomes		Built and Physical
and neonatal health	mechanisms of	environment, and	and exposure to air		Environment exposures
	environmental	health	pollution		Climate change and Health
	exposures				
	US-Eastern	\\\\			
LUNCH BREAK	Mediterranean	Wartenberg	MEET THE PRESIDENT	LUN	ICH BREAK
	Initiative group meeting	Awardee Event			
	incetting				
ODAL DDECENTATIONS	ODAL DDECENTATIONS	ORAL PRESENTATIONS	ORAL PRESENTATIONS		POSTER DISCUSSION
ORAL PRESENTATIONS SESSION 42	ORAL PRESENTATIONS SESSION 43	SESSION 44	SESSION 45		SESSION 08
Environment and health	Modelling techniques	Risk communication	Maternal exposures		Environment and health in
in low and medium	for exposure	and participatory	and neurobehavioural		low and medium income
income countries (2)	assessment	epidemiology	outcomes		areas Environmental
. ,		(with Ethics discussion)			Equity Ethics
		605555 53544			
		COFFEE BREAK			
					POSTER DISCUSSION
	ORAL PRESENTATIONS		ORAL PRESENTATIONS		SESSION 09
PECHA KUCHA	SESSION 49	ORAL PRESENTATIONS	SESSION 51		Exposome Health
SESSION 04	Impacts of exposure to	SESSION 50	Air pollution, ultrafine		Impact Assessment, Risk
Climate change	chemicals on maternal	Child health and metals			communication and
and health	and child health	exposure	and various health		Participatory Epidemiology
			outcomes		Mechanisms and Molecular Biomarkers
					Molecular Dioillarkers

PRE-CONFERENCE WORKSHOPS

Sunday, 18 September 2022

Hall MC3

10:30-13:30 PCW 07: Strategies for enhancing peer review as a reviewer and author

Presenters: Sabah Quraishi (USA), Joel Kaufman (USA)

Duration: 3 hours (half-day)

Format: In-person only (virtual attendance not applicable)

Attendance limit: Up to 50 delegates

Peer review is a critical quality control mechanism in the advancement of science. However, few researchers receive any formal training on how to effectively review and critique a scientific manuscript. We intend to provide workshop participants with knowledge, skills, and strategies to maximize the quality and utility of their reviews. Learning about the review process and how to provide better reviews can also help authors improve their own manuscripts.

We will familiarize participants with the overall peer review process: the purpose, potential biases, and ethical dilemmas of peer review, conducting and writing the review itself, and responding to reviews as an author. Participants will learn key elements of a reviewer report and what to include in private comments to the editor. Techniques to convey comments politely and constructively and the journal decisions and appeals process will be discussed. The session will feature interactive examples of responses to reviewer reports and case studies. Participants will be encouraged to share their own experiences and perspectives. All members of ISEE may benefit from this session, however, we anticipate the greatest interest from early-career researchers and members from low- and middle-income countries. After the session, participants will have a clearer understanding of the peer review process, how to write useful reviews, and how to successfully respond to reviewer comments on their own work.

√ Hall MC2

10:30-13:30 PCW 02: Practical guidance and tools to recover and restore environments impacted

by chemical incidents

Presenter: Antonio Peña-Fernández (UK)

Duration: 3 hours (half-day)

Format: Hybrid

Attendance limit: Up to 50 delegates

The release of chemical substances into the environment, either deliberately or involuntarily, can affect multiple countries simultaneously, with serious implications for human health and the environment. Although rare, recent attacks with the highly toxic Novichok nerve agent in Salisbury (UK), have put the spotlight on the importance of having appropriate capacity, capabilities and trained personnel, to quickly respond to these events to protect humans and the environment. Thus, technical guidance and resources should be available as part of the preparedness and planning that all governments should establish, so first responders (central government departments; emergency response personnel; local authorities) can tailor robust recovery strategies to minimise the number of people exposed and remediate the environment to avoid future exposures to the hazards released.

The aim of this workshop is to introduce participants to the practical, evidence-based guidance and innovative six-step decision framework for tailoring an effective protection and recovery strategy following a chemical incident developed by Public Health England (PHE) in collaboration with other UK Government Departments and Agencies and local authorities. The session will involve a mix of mini-lectures and case based scenarios on the practical guidance and tools developed, which are freely downloadable in the PHE website: https://www.gov.uk/government/collections/recovery-remediation-and-environmental-decontamination

The workshop will cover:

- Relevance of chemical incidents.
- Introduction to the PHE guidance (UK Recovery Handbook for Chemical Incidents) and tool (Chemical Recovery Record Form).
- Factors influencing recovery and restoration following a chemical incident.

Intervention: two real-world/developed scenarios involving emerging chemical pollutants will be provided. Using the available PHE recovery tools, individuals or small groups will tailor a recovery intervention to get the impacted environment (food production systems, inhabited areas and open water systems) back to normal.

Communication: participants will communicate their interventions using the Chemical Recovery Record form.

Attendees are invited to bring their own laptops/tablets.

PHall MC3.3

10:30-13:30 PCW 03: Advanced two-stage methods in environmental epidemiology – Study

designs, statistical models, and software

Presenters: Francesco Sera (Italy), Ana Maria Vicedo-Cabrera (Switzerland), Antonio Gasparrini (UK)

Duration: 3 hours (half-day)

Format: In-person only (virtual attendance not applicable)

Attendance limit: Up to 25 delegates

Two-stage designs have become standard tools in environmental epidemiology, where data from multiple locations are analyzed separately and then pooled using meta-analytical methods. Typical applications are represented by multi-city time series studies or pooled cohort or case-control studies. The basic meta-analytical designs assume the simple case in which single and independent risk effect estimates are collected from different locations. However, this prevents more complex applications that are becoming common in modern epidemiological analyses, for instance when estimates refer to multiple risk effects, when they are clustered within regions, when they are collected at multiple times or for different levels of exposures or modifiers, or when they are spatially correlated.

This workshop will illustrate a unified framework and software for meta-analysis that flexibly extends the two-stage design. This is based on a general mixed-effects model that allows multivariate, hierarchical, longitudinal, and spatial meta-analysis and meta-regression, thus covering the special cases mentioned above. The methodology will be illustrated using a mix of lectures and practical case studies, using data from multi-location studies on the health effects of environmental factors. These will cover examples of meta-analyses of multiple outcomes, estimates of cities nested within regions, measures collected at multiple times or exposure/modifiers levels, or spatially correlated. The analyses will be performed using the new R package mixmeta, with data and R code made available for future study.

The definition of a unified framework for meta-analysis, along with a freely-available software, will provide researchers with a flexible tool for addressing non-standard pooling problems in two-stage designs applied to environmental studies.

Hall MC3.4

10:30-17:30 PCW 04: How to Conduct Systematic Reviews and Meta-Analyses to Improve

Environmental Health Policy and Decision-Making

Presenters: Nicholas Chartres (USA), Tracey Woodruff (USA), Juleen Lam (USA),

Barbara Hudson-Hanley (USA)

Duration: 6 hours (full-day) – Intermission at 13:30-14:30

Format: Hybrid

Attendance limit: Up to 55 in-person / Unlimited virtual

BACKGROUND: Over the past 25 years, decision-making in the clinical arena has relied on systematic reviews (SR) as a source of trusted, evidence-based advice for patients and to inform billions of dollars of healthcare spending. To bridge between SR in environmental health (EH) and the clinical sciences, authoritative bodies, U.S. agencies, and academic scientists developed and implemented validated, peer-reviewed SR methods including the UCSF PRHE Navigation Guide and the U.S. National Toxicology Program's OHAT.

SIGNIFICANCE: Systematic reviews have been adapted from clinical medicine, where data is largely from randomized, controlled trials. Environmental health SRs often rely on data from human epidemiological studies to inform the relationship between exposures and adverse health outcomes. While there has been an increase in SR use in EH over the last decade, there is divergent approaches to key elements of the SR process, including assessing risk of bias (ROB) and evaluation of the quality of the body of evidence.

It is, therefore, critical that the SR methods implemented in EH adhere to best practices and do not inappropriately exclude or downgrade environmental epidemiological studies, while using methods such as meta-analyses that can help increase the statistical power and strengthen the findings from these studies by producing quantitative estimates of risk.

RELATIONSHIP BETWEEN PRESENTATIONS: The first presentation will discuss the evolution of SR in EH and how they have evolved from the clinical sciences. Next, participants will learn the key steps to conducting best practice SRs, including problem identification, protocol development, study search strategy, risk of bias assessment and evidence synthesis. The final two presentations will be practical training sessions. Firstly, participants will learn how to conduct ROB assessments, including a discussion on the important biases to consider in environmental epidemiological studies. Secondly, they will learn to synthesize epidemiological studies, including the use of meta-analysis when appropriate, into a bottom-line and actionable summary of the evidence.

PRE-CONFERENCE WORKSHOPS

Sunday, 18 September 2022

₹ Hall MC3.3

14:00-17:30 PCW 01: The Role of Implementation Science in Global Environmental Public Health

Presenter: Lindsey Martin (USA)
Duration: 3.5 hours (half-day)

Format: Hybrid

Attendance limit: Up to 35 in-person / Unlimited virtual

Implementation science (IS), defined as the study of methods to promote the adoption and integration of evidence-based interventions (e.g., programs, practices, and policies) into routine health care, community, and public health settings, closes the research to practice gap and can lead to actionable change across individual, community, organizational and societal levels. IS holds potential to improve global environmental public health through the adaptation, uptake, sustainment and spread of environmental health interventions that prevent or mitigate harmful exposures and support environmental health equity. Recognizing the need to build capacity in IS in environmental health, the National Institute of Environmental Health Sciences hosted the Advancing Environmental Health Equity through Implementation Science virtual workshop in February 2022 that drew a global audience. Workshop survey results highlight the need for more training in IS and its application to environmental health issues. To help address this need, this half-day workshop will provide a more in-depth overview of IS through a series of eight interconnected modules: (1) defining IS and how it can be applied to environmental health issues in the United States (e.g., greening interventions) and globally (e.g., clean cookstove uptake and scale-up in low- and middle-income countries); (2) common IS theories and frameworks; (3) IS study designs and methods; (4) implementation strategies; (5) implementation outcomes; (6) policy IS; (7) tips for writing IS grant applications and (8) an overview of current IS funding opportunities from the National Institutes of Health. Participants are encouraged to bring example(s) of their current or planned research to this workshop where they will have the opportunity to engage with the facilitators to identify potential IS research questions. After attending this workshop, participants will be able to (1) describe IS and how it differs from effectiveness research and (2) identify possible IS questions in their own work.

Hall MC3

14:30-17:30 PCW 05: Climate Change and Health in LMICs: Toward Equitable, Transdisciplinary

Research in Environmental Epidemiology

Authors: Josh Rosenthal (USA), Stella Hartinger-Pena (Peru), Poornima Prabhakaran (India)

Adeladza Kofi Amegáh (Ghana), Aubrey Miller (ÚSA), Irini Pantellidou (UK), Madeleine

Thompson (UK), Diarmid Campbell Lendrum, Joy Shumake-Guillemot

Duration: 3 hours (half-day)

Format: Hybrid

Attendance limit: 10-75 delegates

In response to growing health threats posed by the global climate change crisis, the US National Institutes of Health (NIH) has developed a new Strategic Framework to guide climate change and health research and capacity building. The Wellcome Trust has recently launched its new Challenge area on Climate and Health and will be able to share its strategic objectives and plans going forward. The NIH framework is anchored in four themes: Health Effects Research, Health Equity, Intervention Research, and Training and Capacity Building. It also identifies nine key areas of supporting science for climate change and health research, including epidemiology, predictive modeling, and data integration. There is a growing understanding in the scientific community that solutions-oriented research and capacity building in low- and middle-income countries (LMICs) must be accelerated to support health objectives in climate actions, including adaptation and mitigation. This workshop aims to deepen the discussion regarding priority research and capacity building needs in LMIC settings including the increasing risks associated with extreme weather events, wildfires, changing disease patterns, threats to coastal communities, and food and water security.

Goals of the workshop are to identify research and capacity building approaches for high quality adaptation science, and effective, responsive and implementable public health services in LMICs in the face of extreme challenges to health and well-being posed by climate change, today and in the future. Participants may expect to learn from each other and contribute to planning by the participating agencies.

The workshop will be organized around brief presentations by environmental epidemiologists from LMICs, as well as the NIH, the Wellcome Trust, the WHO, and the WMO. These presentations will lay the groundwork for structured discussions with all participants on key areas of interest, outlined below:

1) Community engagement approaches at national and local levels

Identify those approaches you have found most effective to solicit the consensus values and concerns of local communities, national policy makers and other stakeholders, as well as the greatest engagement in research and follow-up translation to action? In which settings are these approaches likely to be generalizable? How different are these from one community, nation, and region to another?

2) Using climate and weather forecasts to model health outcomes at useable temporal and spatial scales

Where and when are existing climate and weather forecasts sufficient to support health vulnerability and adaptation planning in the context of constrained public resources in LMICs? What should be done to optimize climate/weather forecasts, and health outcomes modeling to guide investments in infrastructure, health and ecosystem services that promote and protect health?

3) Combining observational, experimental and implementation research in adaptation science.

Given urgency, uncertainty and changing climate and development conditions over time, how can we best accelerate traditional linear steps in the scientific process, and allow for a continuing need to adapt our findings? What are acceptable and appropriate standards of evidence for translation to interventions, programs and policies in this context?

4) Partnerships that enhance data access, analyses and interpretation

Relevant data for climate and health research and health services is growing at an unprecedented rate, but is diverse, fragmented, incomplete, and frequently available at the wrong temporal and/or spatial scale for community and other subnational climate and health decision making.

How can the academic and government research communities best support the formation of broadly useful and FAIR* data for climate health services. (*Findable, Accessible, Interoperable and Reuseable)

WORKSHOP PLAN: Presentations followed by breakouts. Each breakout group will address one (assigned) of the questions above.

Number of breakouts to be determined by number of participants. Each breakout group will be either all virtual or all in person; ideally contain 4-7 people each.

Note: Need moderators, scribes and reporters

14:30	Introduction and learning objectives	Josh
	Global Research Perspectives	
14:35	Universidad Peruana de Cayetano Heredia	Stella
14:45	Public Health Foundation of India	Poornima
15:55	University of Cape Coast - Ghana	Kofi
15:05	Discussion - Q and A	All
	Funding Agency Strategies for CCH	
15:10	NIH - Strategic Framework for Climate Change and Health	Aubrey
15:20	Wellcome Trust - Climate and Health Strategy	Madeline/Irini
15:30	Discussion - Q and A	
15:35	Break out 1: Research	Groups – virtual and in person
15:55	Report out 1: Research priorities and lessons	Rapporteurs
16:10	Coffee Break	All
	Multi-lateral Resources and Tools to support research and planning	
16:20	WHO – Resources to support planning and research	Diarmid
16:30	WMO - Resources to support planning and research	Joy
16:40	Discussion - Q and A	All
16:45	Break out 2: Capacity building Lessons	Groups – virtual and in person
17:05	Report out 2: Capacity building Lessons	Rapporteurs
17:20	Final comments: initial synthesis	Gwen
17:30	End of workshop	

PRE-CONFERENCE WORKSHOPS

Sunday, 18 September 2022

Hall MC2

14:30-17:30 PCW 06: Causal Mediation analysis and its application in environmental

epidemiology

Presenters: Chen Chen (USA), Tarik Benmarhnia (USA)

Duration: 3 hours (half-day)

Format: Hybrid

Attendance limit: Maximum 40 delegates

Identification of modifiable risk factors of adverse health outcomes and underlying mechanisms to support informed decisions to protect public health has been a major target in environmental epidemiology. In the recent decade, we have witnessed an increasing interest in using mediation analysis to study the pathways and mechanisms behind the associations between environmental determinants and various disease outcomes. The study of mediation could improve our understanding of the disease etiology or drivers of social inequalities in health (e.g., environmental injustice), and help identifying possible intervention points. Knowledge of mediation is also central for the assessment of public health interventions since they help to better predict the circumstances under which interventions will work.

Traditional approaches to mediation analysis are based on adjusting for the mediator in standard regression models, which has been proven to be biased under circumstances common in environmental epidemiology studies, such as the presence of mediator-outcome confounding, exposure-mediator interaction, multiple mediators, and intermediate confounding. Recent epidemiological literature proposed different approaches to deal with such methodological challenges under the potential outcomes' framework, while their application in environmental epidemiology is still limited. The goal of this workshop is to highlight key methodological challenges that arise when assessing mediation and to provide an overview of different modern methods that can be used to deal with these challenges. Specifically, we will provide a theoretical overview of the mediation analysis methods and related identification assumptions, discuss potential methodological challenges with traditional methods, and introduce alternative modern analytical methods (e.g., inverse probability weighting, inverse odds ratio weighting) that can deal with such challenges. We will also discuss settings with multiple mediators and exposure-mediator interactions. In the second part of this workshop, we will cover multiple analytical methods using R programming language with examples from environmental epidemiology to facilitate translation to real-world data analysis.

Hall MC3

10:30-13:30 PCW 07: Strategies for enhancing peer review as a reviewer and author

Presenters: Sabah Quraishi (USA), Joel Kaufman (USA)

Duration: 3 hours (half-day)

Format: In-person only (virtual attendance not applicable)

Attendance limit: Up to 50 delegates

Peer review is a critical quality control mechanism in the advancement of science. However, few researchers receive any formal training on how to effectively review and critique a scientific manuscript. We intend to provide workshop participants with knowledge, skills, and strategies to maximize the quality and utility of their reviews. Learning about the review process and how to provide better reviews can also help authors improve their own manuscripts.

We will familiarize participants with the overall peer review process: the purpose, potential biases, and ethical dilemmas of peer review, conducting and writing the review itself, and responding to reviews as an author. Participants will learn key elements of a reviewer report and what to include in private comments to the editor. Techniques to convey comments politely and constructively and the journal decisions and appeals process will be discussed. The session will feature interactive examples of responses to reviewer reports and case studies. Participants will be encouraged to share their own experiences and perspectives.

All members of ISEE may benefit from this session, however, we anticipate the greatest interest from early-career researchers and members from low- and middle-income countries. After the session, participants will have a clearer understanding of the peer review process, how to write useful reviews, and how to successfully respond to reviewer comments on their own work.

Hall MC3.2

Duration:

14:30-17:30 PCW 08: The case time series design for environmental epidemiology

Presenters: Antonio Gasparrini (UK), Ana Maria Vicedo-Cabrera (Switzerland)

Francesco Sera (Italy)
3 hours (half-day)

Format: In-person only (virtual attendance not applicable)

Attendance limit: Up to 25 delegates

Environmental research has been transformed by new data technologies, such as electronic health records linkage, wearables and remote sensing. These tools provide the opportunity to perform large population-based studies, with the longitudinal collection of small-area or individual-level outcomes and exposure profiles finely reconstructed over space and time. However, these studies require innovative analytical methods.

This workshop will illustrate a new study design, called case time series, for investigating transient health risks associated with time-varying exposures. This design combines modelling features typical of aggregated time series with design aspects of self-matched methods such as the case-crossover. The modelling framework is highly adaptable to various outcome and exposure definitions, and it is based on efficient estimation and computational methods that make it suitable for the analysis of highly-informative longitudinal data resources.

The methodology will be illustrated with real-data examples of applications in small-area and individual-level analyses of environmental risks. A first case study will present an analysis of mortality risks associated with non-optimal temperature, using data from multiple small-area administrative units and high-resolution modelled exposure measurements. A second case study will show an individual-level analysis that assessed the association between multiple environmental exposures and allergic symptoms, using real-time measurements from a smartphone study.

The case time series design represents a general and flexible tool that is particularly suited for exploiting novel data technologies and resources in epidemiological analyses. This workshop will provide the attendants with a thorough overview of the design's framework of the case time series methodology, and with practical examples of its application in various contexts. The material will include data and R code to replicate the illustrative analyses.









DAY 1Sunday, 18 September 2022

PHall MC3

10:30-13:30 PCW 07: Strategies for enhancing peer review as a reviewer and author

Presenters: Sabah Quraishi (USA), Joel Kaufman (USA)

See details on page 34

P Hall MC2

10:30-13:30 PCW 02: Practical guidance and tools to recover and restore environments impacted by chemical incidents

Presenter: Antonio Peña-Fernández (UK)

See details on page 34

PHall MC3.3

10:30-13:30 PCW 03: Advanced two-stage methods in environmental epidemiology – Study designs, statistical models, and software

Presenters: Francesco Sera (Italy), Ana Maria Vicedo-Cabrera (Switzerland),

Antonio Gasparrini (UK) See details on page 35

PHall MC3.4

10:30-17:30 PCW 04: How to Conduct Systematic Reviews and Meta-Analyses to Improve Environmental Health Policy and Decision-Making

Presenters: Chartres Nicholas (USA), Tracey Woodruff (USA), Paul Whaley (UK),

Juleen Lam (USA), Barbara Hudson-Hanley (USA)

See details on page 35

SISEE Council Room

10:30-15:30 ISEE BOARD MEETING

PHall MC3.3

14:00-17:30 PCW 01: The Role of Implementation Science in Global Environmental Public Health

Presenter: Lindsey Martin (USA)

See details on page 36

Hall MC3

14:30-17:30 PCW 05: Climate Change and Health in LMICs: Toward Equitable, Transdisciplinary Research in Environmental Epidemiology

Moderator: Joshua Rosenthal (USA)

Presenters: Stella Hartinger (Peru), Poornima Prabhakaran (India), Adeladza Kofi Amegah (Ghana), Aubrey Miller (USA), Irini Pantellidou (UK), Diarmid Campbell-Lendrum (Switzerland),

Joy Shumake-Guillemot (Switzerland)

See details on page 36

18-21 sept. 2022
Megaron Athens International
Conference Centre





DAY 1Sunday, 18 September 2022

PHall MC2

14:30-17:30 PCW 06: Causal Mediation analysis and its application in environmental epidemiology

Presenters: Chen Chen (USA), Tarik Benmarhnia (USA)

See details on page 38

Pall MC3.2

14:30-17:30 PCW 08: The case time series design for environmental epidemiology

Presenters: Antonio Gasparrini (UK), Ana Maria Vicedo-Cabrera (Switzerland),

Francesco Sera (Italy) See details on page 39

The Byzantine Museum (outside venue)

18:45-19:30 ISEE NEW MEMBERS NETWORKING EVENT

The Byzantine Museum (outside venue)

19:30-22:00 OPENING CEREMONY & WELCOME COCKTAIL

See details on page 20





P Hall Trianti

08:30-09:15 KEYNOTE LECTURE 1: Airborne microplastics: are they the new enemy?

Chair: Klea Katsouyanni (Greece)

Speaker: Frank Kelly (UK)

09:15-10:15 KEYNOTE PANEL 1: Climate change and health

Chair: Kristie Ebi (USA) Speaker: Jeremy Hess (USA)

Climate and Health Adaptation at Scale: The Evidence We Have, and the Evidence

We Need

Panelist: Ian Hamilton (UK)

Putting health in all climate change policies: the health co-benefits of meeting the

Paris Agreement

Panelist: Kristin Aunan (Norway)

Heat stress and air pollution - Two sides of the same coin

10:15-10:45 COFFEE BREAK | POSTER VIEWING

P Hall Trianti

10:45-12:15 SYMPOSIUM 01: Climate disasters, human health, and public health responses

Chairs: Joan Casey (USA), Irva Hertz-Picciotto (USA)

O-SY-001 Building community and health system resilience to climate disasters in Australia

Sotiris Vardoulakis (Australia)

O-SY-002 California wildfires: mental and physical health, unmet needs, and future directions

Irva Hertz-Picciotto (USA)

O-SY-003 Climate change in the Caribbean: transforming vulnerabilities into resiliency

José Cordero (USA)

O-SY-004 Heatwaves and forest fires and their combined effects in the Greater Athens area

Klea Katsouyanni (Greece)

O-SY-005 Mortality burden of heatwaves in Sydney Australia is exacerbated by the urban heat

island and climate change: can tree cover help mitigate the health impacts?

Geoffrey Morgan (Australia)

P Hall Skalkotas

10:45-12:15 SYMPOSIUM 02: Multimodal environmental influences on children and adolescent's brain,

cognitive, and mental health outcomes

Chairs: Amy Margolis (USA), Marianthi-Anna Kioumourtzoglou (USA)

O-SY-006 Early-life urban exposome and brain structural connectivity and morphology in

preadolescents

Anne-Claire Binter (Spain)

O-SY-007 Approaches to identify the contribution of understudied toxicants in complex metal

mixtures

Johnnye Lewis (USA)

O-SY-008 Do complex mixtures of prenatal environmental and social exposures explain variation in

risk for behavioral symptoms in adolescence?

Jaime Benavides (USA)

O-SY-009 Prenatal exposure to mixtures of replacement flame retardant chemicals and

children's neuro-behavioral outcomes in a sample of children from socioeconomically

disadvantaged communities

Theresa Bastain (USA)

O-SY-010 A life-course approach for examining the impact of multiple air pollutants on adolescent

anxiety and depression and the role of DNA methylation

Kelly Brunst (USA)

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O-OP-004





Monday, 19 September 2022		
Hall Multip	ourpose	
10:45-12:15	SYMPOSIUM 03: Strengthening the global role of environmental epidemiology in the issue of water, sanitation and public health in Latin American and Caribbean countries Chairs: Telma Cassia dos Santos Nery (Brazil), Marcio Ribeiro Barbosa (Brazil)	
O-SY-011	The role of the University in the formation, discussion and training of researchers in environmental epidemiology. How to strengthen Latin America? Sandra Cortes (Chile)	
O-SY-012	Waterborne arsenic and fluoride exposure in Mexico: risk assessment and epidemiological research on their health effects Paulina Farías Serra (Mexico)	
O-SY-013	Diseases and deaths from pesticides in Brazil Paulo Junior Paz de Lima (Brazil)	
O-SY-014	Surveillance and epidemiological control network in Latin America - The importance of water and sewage monitoring. Overview of pesticides in water for human consumption in Brazil - Information through the website - Good water to drink "Água Boa de Beber" Telma de Cassia dos Santos Nery (Brazil)	
O-SY-015	The role of the World Alternative Water Forum (FAMA) and social mobilization Edson Aparecido da Silva (Brazil)	
Hall MC3		
10:45-12:15	SYMPOSIUM 04: PFAS hotspots and highly exposed communities: addressing community needs and advancing global collaborative exposure assessment and epidemiological research	
O-SY-016	Chairs: Tony Fletcher (United Kingdom), Laurel Schaider (USA) PFAS exposures in Veneto, Italy: the role of biomonitoring in addressing a serious public	
0-31-010	health threat Cristina Canova (Italy)	
O-SY-017	Risk assessment in PFAS "hotspot" populations - A challenge Kristina Jakobsson (Sweden)	
O-SY-018	Perspectives in risk communication due to the PFOS pollution case in Korsoer, Denmark Janne Møller (Denmark)	
O-SY-019	PFAS in serum of residents living in the neighborhood of a major PFAS manufacturer plant in Belgium Ann Colles (Belgium)	
O-SY-020	The PFAS hotspot HBM network: development of a HBM PFAS guidance document for emerging PFAS hotspots, based on shared experiences across PFAS hotspots in EU Katleen De Brouwere (Belgium)	
Hall MC2		
10:45-12:15	ORAL PRESENTATIONS SESSION 01: Air pollution, diabetes and cardiometabolic outcomes Chairs: Hanna Boogaard (USA), Rachit Sharma (USA)	
O-OP-001	Long-term air pollution exposure and diabetes risk in American older adults: a national cohort study Maayan Yitshak Sade (USA)	
O-OP-002	Air pollution exposure and glucose and lipids levels among the World Trade Center Health Program General Responder cohort Pablo Knobel (USA)	
O-OP-003	Longitudinal associations between metabolites and long-term exposure to ambient air pollution: results from the KORA cohort study Yueli Yao (Germany)	
0.00.004	Francisco La circa Budian production and active and communities are accessed to 1.1.4.4.1.4.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	

Exposure to air pollution, road noise and surrounding green space and risk for type 2

diabetes: a multi-exposure study covering Denmark

Mette Sørensen (Denmark)





O-OP-005 Air pollution, metabolomic response, and bone mineral density among Women's Health Initiative participants

Diddier Prada (USA)

Exposure to household and outdoor air pollution and fasting plasma glucose as a marker O-OP-006

of diabetes risk in Chinese adults

Rita Biel (Canada)

Hall MC3.2

10:45-12:15 ORAL PRESENTATIONS SESSION 02: Reproductive outcomes and various environmental exposures (1) Chairs: Jordi Sunyer (Spain), Jie Chen (USA) O-OP-007 Heavy metals and diminished ovarian reserve: single-exposure and mixture analyses amongst women consulting in French fertility centers Maximilien Génard-Walton (France) O-OP-008 Association of solar and geomagnetic activity with fetal growth Veronica Wang (USA)

A prospective study of cadmium concentrations and uterine fibroid incidence O-OP-009 Kristen Upson (USA)

Associations between phenols and phthalates and placental weight in a mother-child O-OP-010 cohort with improved exposure assessment

Nicolas Jovanovic (France)

O-OP-011 Exposure to perfluoroalkyl substances at preconception in association with fertility outcomes in women from Singapore

Nathan Cohen (USA)

O-OP-012 Water fluoridation and birth outcomes in California

Dana Goin (USA)

Hall MC3.3

10:45-12:15 ORAL PRESENTATIONS SESSION 03: Noise exposure and health

Chairs: Kees de Hoogh (Switzerland), Maria Foraster (Spain)

Associations between aircraft noise exposure and adiposity in the U.S.-based prospective O-OP-013 **Nurses' Health Studies**

Matthew Bozigar (USA)

Long-term exposure to source-specific transportation noise and diabetes mellitus O-OP-014

mortality: a national cohort study

Danielle Vienneau (Switzerland)

O-OP-015 Impact of road traffic noise on annoyance and preventable mortality in European cities: a

health impact assessment

Sasha Khomenko (Spain)

Transportation noise exposure, insulin resistance and diabetes: what is the role of sleep? O-OP-016

Noemie Letellier (USA)

Associations between residential exposure to aircraft noise, cardiovascular disease, and O-OP-017

all-cause mortality in the Nurses' Health Studies

Stephanie Grady (USA

O-OP-018 A nationwide cohort study on transportation noise and tinnitus: expanding current

knowledge on the adverse health effects of noise pollution

Manuella Lech Cantuaria (Denmark)



Y	Hall	MC3	1

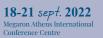
V Hall MC3.4		
10:45-12:15	ORAL PRESENTATIONS SESSION 04: Environment and health in low and medium income countries (1) - WITH ETHICS DISCUSSION Chairs: Adetoun Mustapha (Nigeria), Robbie Parks (USA)	
O-OP-019	Characterization of urban built and natural environments with high-resolution satellite images and unsupervised deep learning Antije Barbara Metzler (UK)	
O-OP-020	Diarrhea in children under 5 years and extreme precipitation in Nigeria Athicha Uttajug (Japan)	
O-OP-021	The protective effect of green space on heat-related respiratory hospitalization among children under five years of age in Hanoi, Vietnam Tran Ngoc Dang (Vietnam)	
O-OP-022	Pesticide exposure assessment in farmers from Malaysia, Uganda, and the United Kingdom: an analysis of urinary biomarker concentrations Will Mueller (United Kingdom)	
O-OP-023	Occupational heat stress induced renal health impacts – A field study on outdoor workers in Southern India	

0 01 011	Kingdom: an analysis of urinary biomarker concentrations Will Mueller (United Kingdom)
O-OP-023	Occupational heat stress induced renal health impacts - A field study on outdoor workers in Southern India Vidhya Venugopal (India)
Poster Dis	cussion Area
10:45-12:15	POSTER DISCUSSION SESSION 01: Advances in Epidemiology and Statistical Methods Exposure assessment Chairs: Youn-Hee Lim (Denmark), Hannah E. Laue (USA)
P-0003	Application of High Spatiotemporal Air Pollution Surfaces and Participants' Activity Space for Identification of the Instantaneous Effect of Air Pollution on Rescue Medication Use for California Residents Jason Su (USA)
P-0006	Development of environmental risk score of the biomarker for chronic kidney disease in residents exposed to pollutant mixtures Hyun A. Jang (Korea)
P-0019	Capture of local sources variation using a hierarchical Bayesian spatiotemporal model for the spatial prediction of air pollution levels Marc Saez (Spain)
P-0020	Benchmark dose in the presence of co-exposure to melamine and di-(2-ethylhexyl) phthalate and urinary renal injury markers in pregnant women Chu-Chih Chen (Taiwan)
P-0030	Comparison of machine learning methods for the prediction of cardiovascular mortality from environmental and socio-economic neighbourhood factors Kathrin Wolf (Germany)
P-0818	Simultaneous assessment of chemical and biological contaminants in settled house dust Kiyoung Lee (Korea)
P-0819	Comparison of PM2.5 air pollution exposure estimates at WHIMS participant locations based on different modelling approaches and impact on health effects estimation Melinda Power (USA)
P-0824	A Comparison of Measured Airborne and Self-Reported Secondhand Smoke Exposure in the MADRES Pregnancy Cohort Study Karl O'Sharkey (USA)
P-0826	Integrating Time-Activity and Air Sensors into Smartphone-based PM2.5 and Ozone Exposure Model for Epidemiologic Studies Michael Breen (USA)
P-0839	Heavy metal contamination of soil in informal foundries and surrounding homes in South

Busisiwe Shezi (South Africa)









P-0844	Citizen science approach to mapping background radiation for environmental epidemiology Ben Spycher (Switzerland)	
P-0856	Land Use Regression modelling of airborne microbial markers in the vicinity of livestock farms: evaluation of stepwise linear regression and random forest modelling approaches Myrna De Rooij (Netherlands)	
P-0868	Investigating Population Exposure Assignment Methods for Air Pollution from Google Street View Polyline Data in Copenhagen, Denmark Heresh Amini (Denmark)	
P-0899	A Bayesian Spatio-temporal Multisource Air Pollution Exposure Model for the UK Abi Riley (UK)	
12:15-13:15	LUNCH BREAK POSTER VIEWING	
Hall Skalk	otas	
12:15-13:15	ISEE NORTH AMERICA CHAPTER MEETING	
• Hall Multip	purpose	
12:15-13:15	ISEE LATIN AMERICA & CARIBBEAN CHAPTER MEETING	
• Hall MC3		
12:15-13:15	ISEE EUROPE CHAPTER MEETING	
• Hall MC2		
12:15-13:15	ISEE EASTERN MEDITERRANEAN CHAPTER MEETING	
• Hall MC3.:	2	
12:15-13:15	ISEE ASIA & WESTERN PACIFIC CHAPTER MEETING	
♥ Hall MC3.3		
12:15-13:15	EHP ASSOCIATE EDITOR MEETING	
Hall MC3.4	4	
12:15-13:15	ISEE AFRICA CHAPTER MEETING	
Hall Coun	cil Room	

12:15-13:15 ISEE ETHICS & PHILOSOPHY COMMITTTEE MEETING - PART I



	Monady, 19 September 2022		
P Hall Triant	• Hall Trianti		
13:15-14:45	SYMPOSIUM 05: Undermeasured and undervalued: examining social-structural factors in women's and children's global environmental health Chairs: Jessica Laine Carmeli (Switzerland), Ami Zota (USA)		
O-SY-021	Perinatal and children's environmental epidemiology: what about birth integrity? Jessica Laine Carmeli (Switzerland)		
O-\$Y-022	Adverse childhood events and health-related quality of life among women undergoing hysterectomy for uterine leiomyoma Ami Zota (USA)		
O-SY-023	Maternal and newborn health risks of climate change: a call for awareness and global action Nathalie Roos (Sweden)		
O-\$Y-024	Environmental hazards, social inequality, and fetal loss: implications of live-birth bias for estimation of disparities in birth outcomes Dana Goin (USA)		
O-SY-025	Federally-assisted housing and blood lead levels in the United States, 1999-2016		

13:15-14:45	SYMPOSIUM 06: The Multi-Country Multi-City (MCC) Collaborative Research Network: an international collaboration for global studies on environmental risks, climate change, and health Chairs: Antonio Gasparrini (United Kingdom), Ana Maria Vicedo-Cabrera (Switzerland)
O-SY-026	The MCC Network: an international collaboration for global health research Antonio Gasparrini (United Kingdom)
O-SY-027	Global analyses on health effects of temperature and climate change: the contribution of

the MCC Network
Ana Maria Vicedo-Cabrera (Switzerland)

O-SY-028 Air pollution and daily mortality in the Multi-country Multi-city study: single and joint effect with heat

Massimo Stafoggia (Italy)

MyDzung Chu (USA)

O-SY-029 Mapping global mortality burden associated with multiple environmental stressors: a new framework by the MCC Network

Yuming Guo (Australia)

O-SY-030 The role of environmental factors in the COVID-19 pandemic: research from the MCC Network

Francesco Sera (Italy)

Rall Multipurpose

13:15-14:45	SYMPOSIUM 07: Disparities in US drinking water quality and access Chairs: Ronnie Levin (USA), Jacqueline MacDonald Gibson (USA)
O-SY-031	Racial disparities in access to U.S. community water systems: effects on children's health Jacqueline MacDonald Gibson (USA)
O-SY-032	Safe home water access for low-income families with young children Angie Cradock (USA)
O-SY-033	Socioeconomic disparities in exposures to unregulated industrial contaminants in U.S. public drinking water supplies Laurel Schaider (USA)
O-SY-034	Nitrate contamination in Maryland drinking water and policy reforms to safeguard private wells Darya Minovi (USA)





O-SY-035	Lead contamination of drinking water is an EJ issue Ronnie Levin (USA)
O-SY-036	The US Safe Drinking Water Act's systemic failure to equitably safeguard vulnerable Americans from contaminants Including nitrates Erik D. Olson (USA)
Hall MC3	
13:15-14:45	SYMPOSIUM 08: Magnetic Resonance Imaging (MRI); a cross-cutting tool at the intersection of environmental epidemiology and developmental neuroscience Chairs: Megan Horton (USA), Akhgar Ghassabian (USA)
O-SY-037	Pre-natal and neonatal neuroimaging in the BiSC cohort Jordi Sunyer (Spain)
O-SY-038	Resting-state functional connectivity patterns are associated with metal mixture exposure in young adolescents Megan Horton (USA)
O-SY-039	Prenatal exposure to endocrine disrupting chemicals and brain development in adolescents Akhgar Ghassabian (USA)
O-SY-040	Ambient air pollution and functional brain network development in adolescence Devyn Cotter (USA)
O-SY-041	Outdoor residential air pollution exposure and the development of brain morphology across childhood: a longitudinal study Michelle S.W. Kusters (Spain)
• Hall MC2	
13:15-14:45	ORAL PRESENTATIONS SESSION 05: Challenges in health studies of chemicals: from methods to policy Chairs: Giovanni Leonardi (UK), Amira Aker (Canada)
O-OP-024	The relative importance of faecal and urinary excretion of PFAS and implications for epidemiological studies Tony Fletcher (UK)
O-OP-025	Associations between perfluoroalkyl substances and lipid profile in a highly exposed adult community in the Veneto Region: a comparison of mixture-based statistical approaches Erich Batzella (Italy)
O-OP-026	The Devil they knew: chemical documents analysis of industry influence on PFAS Science Tracey Woodruff (USA)
O-OP-027	Associations between organochlorine pesticide mixtures and sex steroid hormones modified by age, gender and body mass index in the US 2011-2016: a quantile-based g-computation approach Juwel Rana (Bangladesh)
O-OP-028	Prenatal endocrine disrupting chemical exposure and child IQ: accounting for uncertainty in pattern identification in a two-stage health analysis Elizabeth Gibson (USA)
O-OP-029	Data quality evaluation criteria for systematic review of epidemiology studies under the Toxic Substances Control Act (TSCA): refinement through practical application in risk evaluation Leora Vegosen (USA)



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13:15-14:45	ORAL PRESENTATIONS SESSION 06: Environment and aging Chairs: Anna Hansell (UK), Laura Corlin (USA)	
O-OP-030	Associations of source-specific PM2.5 and incident disability in older U.S. adults: the Health Retirement Study Jiaqi Gao (USA)	
O-OP-031	Investigation on associations between long-term air pollution exposure and osteoporotic fracture using nationwide cohort study data in South Korea Seulkee Heo (USA)	
O-OP-032	Shortened leucocyte telomere length is associated with increased daily air temperature: KORA F3 and KORA F4 Wenli Ni (Germany)	
O-OP-033	Ambient exposure and fetal black carbon load in association with telomere length in cord blood Charlotte Van Der Stukken (Belgium)	
O-OP-034	Role of sleep quality in the acceleration of biological aging and its potential for preventive interaction on air pollution insults: findings from the UK Biobank cohort Xu Gao (China)	
O-SY-127	Association of environmental chemical exposure during pregnancy with subsequent breast cancer risk Young-Mi Go (USA)	

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13:15-14:45	ORAL PRESENTATIONS SESSION 08: Child health and exposure to phthalates – WITH ETHICS DISCUSSION Chairs: Jessie Buckley (USA), Lorenzo Fabbri (Spain)
O-OP-041	Mixtures of phthalates and phthalate replacements in relation to size-for-gestational age in the LIFECODES Fetal Growth Study Paige Bommarito (USA)
O-OP-042	Associations of pregnancy and early childhood phthalate exposures with adolescent lipid levels and insulin resistance: The HOME Study Taylor Etzel (USA)





O-OP-043	Parental Exposure to Phthalates and Children's Behavior: Results from the PEACE Study Jordana Leader (USA)
O-OP-044	Associations between bisphenols and onset of puberty: the Hokkaido Study Atsuko Ikeda-Araki (Japan)
O-OP-045	Effects of Prenatal Phthalate Exposure on Early Childhood Expressive Language Development Trajectories Justin Yu (USA)

Poster Dis	cussion Area
13:15-14:45	POSTER DISCUSSION SESSION 02: Children's environment and health Reproductive outcomes Chairs: Oyewale Mayowa Morakinyo (Nigeria), Rina So (Denmark)
P-0414	Exposure to Surrounding Greenness and Air Pollution Related to Nasal Microbiota Among Asthmatic Children Aji Kusumaning Asri (Taiwan)
P-0449	Pb, As, Cd and Hg mixture in cord blood and effects in birth outcomes – Bayesian analysis. PIPA Project – Brazil Nataly De Figueiredo (Brazil)
P-0451	Urinary arsenic concentration and bronchial asthma prevalence in children from Arica, Chile María Pía Muñoz (Chile)
P-0454	Cord blood transcriptome-wide association study identifying genes associated with metabolic disrupting chemicals and infant growth Anran Cai (Netherlands)
P-0461	Arsenic exposure and respiratory outcomes during childhood in the INMA study Antonio José Signes Pastor (Spain)
P-0479	Nitrate exposure from drinking water during pregnancy and risk of small-for-gestational- age in infants from a population-based study in Denmark Anja Jensen (Denmark)
P-0481	Prenatal Exposure to Ambient Air Pollution and Offspring Cerebral Palsy in Ontario, Canada: A Population-Based Cohort Study Carmen Messerlian (USA)
P-0520	Attendance Benefits of the EPA's School Bus Rebate Program: A Randomized Design Meredith Pedde (USA)
P-0538	Dose-response relation between maternal exposure to arsenic in drinking water and risk of congenital heart disease in offspring – A nationwide cohort study Annette Ersbøll (Denmark)
P-1182	Associations of per- and polyfluoroalkyl substances (PFAS) and their mixture with oxidative stress biomarkers during pregnancy Kaitlin Taibl (USA)
P-1189	Synthetic pyrethroids exposure among women from fertility clinic and embryological outcomes- is there an association? Joanna Jurewicz (Poland)
P-1191	Prenatal Mycoestrogen Concentrations in Relation to Placental and Birth Weights Zorimar Rivera-Núñez (USA)
P-1214	Associations of Urinary Phthalate Metabolites and Inflammatory Biomarkers Characteristic of the Preeclamptic Pathway Among Pregnant Women in Puerto Rico Amber Cathey (USA)
P-1220	Fetal death: analysis of angiogenic factors during pregnancy Luciana Duzolina Manfré Pastro (Brazil)

14:45-15:15 **COFFEE BREAK | POSTER VIEWING**



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ORAL PRESENTATIONS SESSION 09: Climate change: Health Impact Assessment and intervention policies Chairs: Sotiris Vardoulakis (Australia), Dan Greenbaum (USA)
Extreme Heat Public Health Preparedness Planning and Response Activities in the Most Populous Jurisdictions in the United States: Survey Results Nicole Errett (USA)
A Novel Decision-Support Tool for Estimating Local Climate Change Health Risks: Current and Projected Heat-Related Risks in Washington State Jeremy Hess (USA)
Inequalities in drought effects on non-external, circulatory, and respiratory mortality in the population of macro urban areas of Brazil Coral Salvador (Switzerland)
The impact of climate change on agricultural labour productivity: implications for human mobility and poverty Andreas Flouris (Greece)

15:15-16:15	ORAL PRESENTATIONS SESSION 10: Air pollution and neurobehavioural outcomes Chairs: Danielle Vienneau (Switzerland), Dylan Wood (UK)
O-OP-050	Lifetime Residential Air Pollution Exposure, Amygdala Volumes, and Emotional Function in Young Adults Karl O'Sharkey (USA)
O-OP-051	Metals mixture is associated with cognitive function in older U.S. adults: the National Health and Nutrition Examination Survey (NHANES) 2011–2014 Habyeong Kang (USA)
O-OP-052	Early life metal exposure is associated with reduced fractional anisotropy in the corpus callosum in children Elza Rechtman (USA)

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15:15-16:15	ORAL PRESENTATIONS SESSION 11: Environmental exposures and emerging outcomes Chairs: Nicole Probst-Hensch (Switzerland), Haotian Wu (USA)	
O-SY-129	Metabolome-wide association study suggests antagonistic responses to cadmium and selenium in diseased human lungs Dean Jones (USA)	
O-OP-055	Associations between long-term air pollution and kidney diseases in the US Medicare population Whanhee Lee (Korea)	
O-OP-056	Chronic Kidney Disease (CKD) and Exposure to Fine Particulate Matter and Ozone: A Cross-Sectional Study Utilizing North Carolina Electronic Healthcare Records David Dillon (USA)	
O-OP-057	Combined effects of air pollution and neighborhood violence on epilepsy and seizures in children Rachit Sharma (USA)	



• Hall MC3	Monady, 17 depiember 2022
15:15-16:15	PECHA KUCHA SESSION 01: Air pollution (from ambient and indoor sources) and health Chairs: Francesca De Donato (Italy), Maria-losifina Kasdagli (Greece)
O-PK-01	Associations between short-term ambient PM2.5, oxidant gases and respiratory hospitalizations in children: effect modification by PM2.5 transition metals, sulfur and oxidative potential Jill Korsiak (Canada)
O-PK-02	The Spatial Modification of the Non-Linear Effects of Ambient Oxides of Nitrogen during Pregnancy on Birthweight in a South African Birth Cohort Aweke A. Mitku (Ethiopia)
O-PK-03	Short-term effects of particulate matter and desert dust on mortality in Southern Europe, the Middle East and Eastern Asia Massimo Stafoggia (Italy)
O-PK-04	Effects of a Liquefied Petroleum Gas Stove and Continuous Fuel Distribution Intervention on Anthropometric Outcomes at Birth Hina Raheel (USA)
O-PK-05	Ambient fine particulate matter exposure and lung cancer risk in the NIH-AARP Diet and Health Study Jared Fisher (USA)
O-PK-06	Prescribed Fires, Smoke Exposure, and Hospital Utilization Among Heart Failure Patients Henry Raab (USA)
O-PK-07	DNA methylation as a potential mediator of the association between indoor air pollution and neurodevelopmental delay in a South African birth cohort Anke Huels (USA)
O-PK-08	Particle Components and Risk of Psychiatric Hospitalization in the U.S. Xinye Qiu (USA)
♥ Hall MC2	
15:15-16:15	PECHA KUCHA SESSION 02: Exposure assessment Chairs: Jaime Hart (USA), Francesco Sera (Italy)
O-PK-09	Long-term exposure to air pollution, cause-specific mortality and incidence of stroke and acute coronary heart disease in the Rome Longitudinal Study: the BIGEPI project Federica Nobile (Italy)
O-PK-10	Mobile monitoring of air pollutants; performance evaluation of a mixed-model framework in relation to number of drive days Jules Kerckhoffs (Netherlands)
O-PK-11	Blood and urinary metal levels among exclusive marijuana users in the National Health and Nutrition Examination Survey (2005-2018) Katlyn McGraw (USA)
O-PK-12	Serum half-life of PFOA after end of exposure: a highly exposed community in the Veneto Region Erich Batzella (Italy)
O-PK-13	The challenge of assessing exposure to fast-elimination endocrine disruptors: When collecting? Which matrix? How many samples? Brice Appenzeller (Luxembourg)
O-PK-14	Spatiotemporally resolved daily relative humidity predictions across Germany during 2000-2021: a Random Forest approach Nikolaos Nikolaou (Germany)
O-PK-15	Exposure Differences Between Measures of Residential and Smartphone Mobility Derived Greenness in the US-Based Nurses' Health Study 3 Cohort Grete Wilt (USA)
O-PK-16	Biological and Environmental Sampling at ATSDR PFAS Exposure Assessment Sites Karen Scruton (USA)



Hall MC3.2

15:15-16:15	ORAL PRESENTATIONS SESSION 12: Health impact and risk assessment Chairs: Heather Walton (UK), Cassandra Clark (USA)
O-OP-058	Cooling cities through urban green interventions: A health impact assessment in European cities Tamara lungman (Spain)
O-OP-059	A quantitative burden of proof risk function to evaluate environmental risk factors in comparative risk assessments Michael Brauer (Canada)
O-OP-060	Methods for evaluating environmental health impacts at different stages of the policy process in cities Jaime Benavides (USA)
O-OP-061	Cancer hazard Evaluations for Contemporary Needs: What's New at NIEHS Ruth Lunn (USA)

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15:15-16:15	ORAL PRESENTATIONS SESSION 13: Occupational exposures, mental health and other outcomes
	Chairs: Dean Baker (USA), Wei Huang (China)
O-OP-062	Consumption of Iron- and Protein-Rich Diets may Ameliorate the Effect of Metals-Induced Anemia among Informal Electronic Waste Recyclers in Ghana Sylvia Takyi (Ghana)
O-OP-063	Gendered precarious employment trajectories and self-reported health outcomes: a retrospective study in France Emilie Counil (France)
O-OP-064	Functional changes in neural mechanisms underlying post-traumatic stress disorder in World Trade Center responders Azzurra Invernizzi (USA)
O-OP-065	Occupational Risk Factors of Prenatal Depression in Pregnant Women in the New York City Metropolitan Area Yueh-Hsiu Mathilda Chiu (USA)

Hall MC3.4

15:15-16:15	ORAL PRESENTATIONS SESSION 14: Respiratory disorders in children and adults Chairs: Anna Karakatsani (Greece), Jeroen De Bont (Sweden)
O-OP-066	Precipitation and lung health in children with asthma Nicholas Nassikas (USA)
O-OP-067	Air pollution, lung function and mortality: survival and mediation analyses in UK Biobank Samuel Cai (UK)
O-OP-068	Effects of long-term exposure to particle components on inpatient asthma hospitalizations among children and adults in the U.S. using Bayesian kernel machine regression (BKMR) Bryan N.Vu (USA)
O-OP-069	Short-term exposure to livestock farm emitted endotoxin and acute effects on lung function in non-farming residents Myrna De Rooij (Netherlands)

Short-term exposure to livestock farm emitted endotoxin and acute effects function in non-farming residents Myrna De Rooij (Netherlands)	on lung	
• Hall Trianti		
SYMPOSIUM 09: Infections and the environment Chairs: Manolis Kogevinas (Spain), Maribel Casas (Spain)		
Immunotoxic chemicals, childhood infections, and long-term health effects Maribel Casas (Spain)	}	
Ambient air-pollution and COVID-19 Manolis Kogevinas (Spain)	ISEE 2022	
	function in non-farming residents Myrna De Rooij (Netherlands) SYMPOSIUM 09: Infections and the environment Chairs: Manolis Kogevinas (Spain), Maribel Casas (Spain) Immunotoxic chemicals, childhood infections, and long-term health effects Maribel Casas (Spain) Ambient air-pollution and COVID-19	





O-SY-044	Climate change and cascading risks from infectious disease
	Jan C. Semenza (Germany)
0.01/0.45	Landing forwards COVID 10 and among become analysis and

Looking forward: COVID-19 and greenhouse gas emissions
Kristie Ebi (USA)

P Hall Skalkotas

▼ Hall Skalkotas		
16:15-17:45	ORAL PRESENTATIONS SESSION 15: Long-term exposure to air pollution and health outcomes Chairs: Maya Negev (Israel), Meng Wang (USA)	
O-OP-070	The impact of exposure measurement error on the estimated concentration-response relationship between long-term exposure to PM2.5 and mortality Yaguang Wei (USA)	
O-OP-071	Long-term exposure to source-specific fine particles and mortality – a pooled analysis of 14 European cohorts within the ELAPSE project Jie Chen (USA)	
O-OP-072	Health effects of long-term exposure to ultrafine particles around Schiphol airport Nicole Janssen (Netherlands)	
O-OP-073	Long-term Exposure to PM2.5 Components and Mortality among Medicare Beneficiaries Mahdieh Danesh Yazdi (USA)	
O-OP-074	Causal modeling of the effects of fine particulate matter and nitrogen dioxide on natural- cause mortality within the ELAPSE project Kathrin Wolf (Germany)	
O-OP-075	A nationwide study of air pollution on the NCD related morbidity in an unselected population	

Torben Sigsgaard (Denmark)

▼ Hall Multipurpose		
16:15-17:45	ORAL PRESENTATIONS SESSION 16: Child health and exposure to PFAs Chairs: Dania Valvi (USA), Sean Patrick (South Africa)	
O-OP-076	Glyphosate in house dust and risk of childhood acute lymphoblastic leukemia in California Mary Ward (USA)	
O-OP-077	Cumulative exposure to per- and polyfluoroalkyl substances from pregnancy to age 12 years and bone health in early adolescence: the HOME Study Jessie Buckley (USA)	
O-OP-078	Latent profiles of early life perfluoroalkyl substances exposure and body composition at age 12 years: The Health Outcomes and Measures of the Environment (HOME) Study Jordan Kuiper (USA)	
O-OP-079	Plasma concentrations of Per- and Polyfluoroalkyl Substances and alanine aminotransferase among Adolescents with and without NAFLD from the Teen-Longitudinal Assessment of Bariatric Surgery (Teen-LABS) Study Brittney Baumert (USA)	
O-OP-080	Metals, Perfluoroalkyl Substance, and Birth Outcomes in the New Hampshire Birth Cohort Study: Beyond Single-Class Mixture Approaches Gyeyoon Yim (USA)	
O-OP-081	Dietary folate intake modifies the relationship between per- and polyfluoroalkyl substances and immune markers among U.S. adolescents Yu Zhang (USA)	
	Yu Zhang (USA)	





Barrett Welch (USA)

DAY 2Monday, 19 September 2022

Hall MC3	
16:15-17:45	ORAL PRESENTATIONS SESSION 17: Reproductive outcomes and various environmental exposures (2) Chairs: Mary Willis (USA), Estela Blanco (Chile)
O-OP-082	Fetal and infant death associated with short-term ozone exposure Sandie Ha (USA)
O-OP-084	Association of vitamin D and green space. Results from the GINIplus & LISA birth cohorts Marie Standl (Germany)
O-OP-085	Exposure to ambient temperature extremes during peri-conception and fecundability Carrie Nobles (USA)
O-OP-086	Admission to neonatal intensive care in relation to satellite-based estimates of NO2 and PM2.5 in the United States, 2018 Pauline Mendola (USA)
O-OP-087	Traffic-related air pollution and pregnancy loss in Eastern Massachusetts, USA Michael Leung (USA)
Hall MC2	
16:15-17:45	ORAL PRESENTATIONS SESSION 18: Advances in statistical methods Chairs: Tarik Benmarhnia (USA), Massimo Stafoggia (Italy)
O-OP-088	Misclassification bias in the assessment of gene-by-environment interactions Marc Weisskopf (USA)
O-OP-089	mpower - An R package for power analysis of exposure mixture studies Phuc Nguyen (USA)
O-OP-090	Mixtures, linear index models and log-transformation of exposure data Thomas Webster (USA)
O-OP-091	Integrating biological knowledge in Kernel-based analyses of environmental mixtures and health Glen McGee (Canada)
O-OP-092	Identifying drivers of vulnerability to heat and cold in European cities: an inverse probability weighting approach Pierre Masselot (UK)
O-OP-093	Comparing effects of air pollution on mortality within the ELAPSE project under standard and causal approaches Massimo Stafoggia (Italy)
• Hall MC3.	2
16:15-17:45	ORAL PRESENTATIONS SESSION 19: Environmental equity: environmental inequalities and health implications (1) Chairs: Nelson Gouveia (Brazil), Rosemarie De La Rosa (USA)
O-OP-094	Nationwide geospatial analysis of county-level racial/ethnic composition and public drinking water arsenic and uranium Irene Martinez-Morata (USA)
O-OP-095	Addressing U.S. racial-ethnic inequality in air pollution exposure Yuzhou Wang (USA)
O-OP-096	Socioeconomic disparities in aerosol pollutant exposure may be amplified by ultrafine particles despite declining PM2.5 Arshad Arjunan Nair (USA)
O-OP-097	The Role of Exposure to Per- and Polyfluoroalkyl Substances in Racial/Ethnic Disparities in Hypertension: Results from the Study of Women's Health Across the Nation Ning Ding (USA)
O-OP-098	Racial/ethnic disparities in phthalate metabolite mixtures and risk of preterm birth: A pooled study of 16 US cohorts Barrett Welch (USA)





O-OP-099 Exposure to lead, cadmium, mercury and arsenic among Asian children and adolescents in the United States: NHANES 2015-2018

Lanxin Song (USA)

Petros Koutrakis (USA)

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♥ Hall MC3.2		
16:15-17:45	ORAL PRESENTATIONS SESSION 20: Exposure assessment, measurement error, uncertainty and correction methods Chairs: Joel Schwartz (USA), Yueli Yao (Germany)	
O-OP-100	Exposure assessment of acetaminophen use in pregnancy: a study comparing self-reported intake with maternal and newborn biomarker measures Zeyan Liew (USA)	
O-OP-101	Development of spatiotemporal high-resolution temperature data for São Paulo, Brazil; a valuable resource for epidemiologists Aina Roca-Barcelo (UK)	
O-OP-102	Comparison of weather station and climate reanalysis data for modelling temperature-related mortality Malcolm Mistry (UK)	
O-OP-103	Measurement Error Correction for Ambient PM2.5 Exposure Using Stratified Regression Calibration: Effects on All-Cause Mortality Yijing Feng (USA)	
O-OP-104	Addressing Geographic Uncertainty: Greenness and Depression Incidence in a Prospective Cohort Study of US Women Charlotte Roscoe (USA)	
O-OP-105	Geomagnetic Disturbances Reduce Heart Rate Variability in the Normative Aging Study	

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16:15-17:45	ORAL PRESENTATIONS SESSION 21: Air pollution and cancer Chairs: Tom Bellander (Sweden), Ilce Ferreira Da Silva (Brazil)		
O-OP-106	Long term exposure to air pollution and kidney parenchyma cancer – Effects of Low-level Air Pollution: a Study in Europe (ELAPSE) Ulla Hvidtfeldt (Denmark)		
O-OP-108	Impacts of long-term PM2.5 exposure on Endocrine related cancer patients in South Korea Ejin Kim (Korea)		
O-OP-109	Exposure to Wildfires and Cancer Incidence in Canada: A Population-Based Cohort Study Jill Korsiak (Canada)		
O-OP-110	Exposure to indoor wood-burning stoves and fireplaces and risk of lung cancer among Sister Study participants Suril Mehta (USA)		
O-OP-111	Influence of neighborhood social and natural environment on prostatic tumor histology in a US-based cohort of male health professionals Hari lyer (USA)		

Poster Discussion Area

16:15-17:45	POSTER DISCUSSION SESSION 03: Respiratory disorders in children/adults Neurobehavioral changes in children/adults COVID-19 and the Environment Chairs: David Rojas-Rueda (USA), Jinyoung Moon (Korea)
P-0519	The effect of COVID-19 lockdown/post-lockdown and season on children's exposure to PM2.5 and time expenditure by environment type Natalie Crnosija (USA)

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DAY 2 Monday, 19 September 2022

P-0643	Long term exposure to air pollution and COVID-19 incidence: a prospective population-based study in northern Italy Giovanni Veronesi (Italy)
P-0644	Detection and quantitative assessment of SARS-CoV-2 in wastewater influent in Mazovian District, Poland Agata Stobnicka-Kupiec (Poland)
P-0646	Predictive model for severe COVID-19 using SARS-CoV-2 whole genome sequencing and electronic health record data, March 2020-May 2021 Lei Zhu (USA)
P-0649	SARS-CoV-2 infection is associated with functional changes in resting-state neural mechanisms among Italian adolescents and young adults: a longitudinal case control study Azzurra Invernizzi (USA)
P-0651	Residential green space is associated with a buffering effect on stress responses during the COVID-19 pandemic in mothers of young children, a prospective study Stijn Vos (Belgium)
P-0656	Mental health dynamics during the national quarantine in China Yimeng Song (USA)
P-0684	Social environment, inequality, and COVID 19 in Nicaragua: did we underreport COVID-19 impact on those most highly vulnerable socioeconomic population groups? Steven Cuadra (Nicaragua)
P-1010	Prenatal metals exposure and pre-adolescents' emotional and behavioral problems Manuel Lozano (Spain)
P-1013	Intergenerational Transmission of Stress: Multi-domain Stressors from Maternal Childhood and Pregnancy Predict Children's Mental Health in a Racially and Socioeconomically Diverse, Multi-site Cohort Nicole Bush (USA)
P-1015	Annoyance and sleep disturbance due to traffic noise: a comparison with WHO exposure-response functions Karla Romero Starke (Germany)
P-1021	Antenatal depression and environmental pollutants Nataly De Figueiredo (Brazil)
P-1229	Long-term exposure to ambient air pollution from multiple sources and associations with asthma incidence in children born in Denmark 1998-2016 Marie Pedersen (Denmark)
P-1231	Maternal stressful life events during pregnancy and child asthma: an investigation of effect modification by postnatal neighborhood opportunity Margaret Adgent (USA)
P-1238	PM2.5 and NO2 as Potential Modifiers of Clinical Trial Results on Asthma Exacerbation and Control Lizbeth Gomez (USA)
Hall Triant	i

18:00-19:00 ISEE GENERAL MEMBERSHIP MEETING

Parko Eleftherias - next to Conference venue

19:00-20:00 SNRN social event





Hall Skalkotas

EARLY MORNING SESSION 01: Civic engagement at ISEE: ramping up our efforts for 07:30-08:30 impactful research

Chair: Audrey J de Nazelle (UK)

Panelists: Zorana Andersen (Denmark), Charlie Roscoe (USA), Aina Roca Barcelo (UK), Gudrun Weinmayr (Germany), Mildred Maisonet (USA), Adetoun Mustapha (Nigeria),

Agnes Soares (USA), Hanna Boogaard (USA), Barbara Hoffmann (Germany)

Presenters: Maria Elisa Quinteros Caceres (Chile), Pallavi Pant (USA), Jien-Wen Chien (Taiwan), Keren Agay-Shay (Israel), Devon Payne Sturges (USA), Sophie Perroud (Belgium)

Hall Multipurpose

07:30-08:30 EARLY MORNING SESSION 02: Nitrate-Contaminated Drinking Water: A widespread health

threat and some potential solutions

Chairs: Ronnie Levin (USA), Mary Ward (USA)

Presenters: Darya Minovi (USA), Erik Olson (USA), Birgitte Hansen (Denmark)

Hall MC3

07:30-08:30 EARLY MORNING SESSION 03: Ethical issues and bias in scientific publishing: What to look

out for and how to address bias in the publication process

Chair: Sabah Quraishi (USA) Presenter: Joan Casey (USA)

Hall MC2

07:30-08:30 EARLY MORNING SESSION 04: SNRN - Transitioning from PhD to Postdoc

Hall MC3.2

07:30-08:30 EARLY MORNING SESSION 05: A panel discussion of challenges of air pollution and

COVID-19 research in the Eastern Mediterranean Region

Chair: Wael Al-Delaimy (USA)

Presenters: Myriam Mrad (Lebanon), Barrak Alahmad (USA & Kuwait),

Kenza Khomsi (Morocco), Fayez Abdulla (Jordan)

Hall MC3.3

07:30-08:30 EARLY MORNING SESSION 06: The participation of family groups and young people for the strengthening and application of environmental epidemiology. Report of Brazilian families

Chair: Telma Cassia dos Santos Nery (Brazil)

Presenters: Daniel N Cardoso (USA), Ivan N Cardoso (Brazil)

Hall Trianti

08:30-09:00 **GOLDSMITH AWARD CEREMONY & LECTURE**

Hall Trianti

09:00-09:45 KEYNOTE LECTURE 2: Assessing environmental factors in COVID-19 outbreaks: a One Health

perspective

Chair: Bert Brunekreef (Netherlands) Speaker: Lidwien Smit (Netherlands)

09:45-10:30 KEYNOTE LECTURE 3: Promoting healthy and sustainable urban environments across

global contexts

Chair: Bert Brunekreef (Netherlands) Speaker: Cathryn Tonne (Spain)



P Hall Trianti

10:30-11:15 KEYNOTE PANEL 2: EU policy plans on air pollution

Chair: Francesco Forastiere (UK)
Speaker: Thomas Henrichs (Belgium)

EU activities for regulation of air pollution - The new AAQD

Discussants: Sophie Perroud (Belgium), Barbara Hoffmann (Germany), Michelle Bell (USA)

11:15-11:45 COFFEE BREAK | POSTER VIEWING

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11:45-13:15 SYMPOSIUM 10: A new era in global climate change and human health research funding and action

Chairs: Gwen Collman (USA), Aubrey Miller (USA)

O-SY-046 A new era in global climate change and human health research funding and action - NIH

Gwen Collman (USA), Aubrey Miller (USA)

O-SY-046a A new era in global climate change and human health research funding and action – EPA

Bryan Hubbell (USA)

O-SY-047 A new era in global climate change and human health research funding and action – CDC

Erik Svendsen (USA)

O-SY-048 A new era in global climate change and human health research funding and action - EC

Tuomo Karjalainen (Belgium)

11:45-13:15 SYMPOSIUM 11: Impact of exposure measurement error (ME) on the health effect

estimates: quantification and correction

Chairs: Klea Katsouyanni (Greece), Dimitris Evangelopoulos (UK)

O-SY-049 Impact of exposure measurement error (ME) on the health effect estimates: introduction

Klea Katsouyanni (Greece)

O-SY-049a Identifying determinants and characterizing the type of exposure measurement error in

association with different error-prone exposure assessment methods

Dimitris Evangelopoulos (UK)

O-SY-050 Accounting for space and time in measurement error corrections

Joel Schwartz (USA)

O-SY-051 Using SIMEX and regression calibration to correct for mixtures of classical and Berkson

measurement error

Barbara Nicholas (nee Butland) (UK)

O-SY-052 Empirical measurement error bias correction for the effects of functions of the exposure

history: cumulative average PM2.5 in relation to all-cause mortality

Donna Spiegelman (USA)

11:45-13:15 SYMPOSIUM 12: The project EXHAUSTION - Heat and air pollution effects on

cardiopulmonary mortality and morbidity: geographical variability and vulnerable

groups in Europe

Chairs: Alexandra Schneider (Germany), Francesca De Donato (Italy)

O-SY-053 Short-term heat effects and effect modification by ambient air pollution on cardiovascular

and respiratory mortality across 148 cities from 13 European countries – Results of the

EXHAUSTION project

Susanne Breitner (Germany)







O-SY-054	Age standardized heat and cold related mortality impacts across European cities Pierre Masselot (UK)
O-SY-055	Analysis of short-term heat effects on cardiopulmonary mortality using national and regional small area data – Results of the EXHAUSTION project Massimo Stafoggia (Italy)
O-SY-056	Long-term effects of air temperature on cardiopulmonary outcomes in prospective European cohort studies Siqi Zhang (Germany)
O-SY-057	Heat and health prevention in European Region under a changing climate: the urgent need for a faster roll-out of Heat-Health Action Plans (HHAPs) Gerardo Sanchez Martinez (Denmark)
Hall MC3	
11:45-13:15	SYMPOSIUM 13: Advancing air pollution epidemiology in India: building capacity locally to address questions of context, policy relevance and methodological robustness LAST MINUTE CANCELLATION
Hall MC2	
11:45-13:15	SYMPOSIUM 14: Perfluoroalkyl and polyfluoroalkyl substances (PFAS) in Indigenous communities: a case of environmental injustice Chairs: Amira Aker (Canada), Mélanie Lemire (Canada)
O-SY-062	Contamination of country foods by perfluoroalkyl acids in the Arctic Amira Aker (Canada)
O-SY-063	Elevated exposure to long-chain perfluoroalkyl and polyfluoroalkyl substances (PFAS) in Inuit from Nunavik, Arctic Canada: a call for global action Mélanie Lemire (Canada)
O-SY-064	Exposure to PFAS in two Alaska Native Communities Samuel Byrne (USA)
O-SY-065	PFAS exposure and immunotoxic effects in children from Greenland Amalie Timmermann (Denmark)
O-SY-066	Determinants of polyfluoroalkyl substances and perfluoroalkyl substances (PFAS) biomarkers in First Nations Communities of the Northwest Territories and Yukon Brian Laird (Canada)
O-SY-067	Indigenous lifeblood in land, water, and natural resources: the unknown threat of PFAS contamination Whitney Gravelle (USA)
Hall MC3.2	2
11:45-13:15	ORAL PRESENTATIONS SESSION 22: Health effects of short-term air pollution exposure Chairs: Michelle Bell (USA), Garyfallos Konstantinoudis (UK)
O-OP-112	Acute effects of ambient air pollution on asthma emergency department visits in 10 US states Jianzhao Bi (USA)
O-OP-113	Short-term ambient air pollution exposure and risk of atrial fibrillation in patients with intracardiac devices Marcus Dahlquist (Sweden)
O-OP-114	Longitudinal assessment of the association between short-term air pollution exposure and symptoms of generalized anxiety disorder in Nurses' Health Study II Unnati Mehta (USA)
O-OP-115	Heterogeneity in acute PM _{2.5} mortality: big data strategies in the Mexico City Metropolitan Area Ivan Gutierrez-Avila (USA)



O-OP-116	The effect of ambient air pollution and wildfire smoke on emergency department visits for persons experiencing homelessness in San Diego, California
	Lara Schwarz (USA)
O-OP-117	Contributions of Biomass Burning Events to Daily PM10 Concentrations and The Short-Term

Associations with Hospital Admissions in Malaysia

Muhammad Abdul Basit Ahmad Tajudin (Japan)

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11:45-13:15	ORAL PRESENTATIONS SESSION 23: Child health and exposure to pesticides and other chemicals Chairs: Marina Vafeiadi (Greece), Jenni Shearston (USA)
O-OP-118	Associations between urinary paraben concentrations and measures of cardiometabolic risk in pre-school children of the ENVIRONAGE birth cohort Brigitte Reimann (Belgium)
O-OP-119	Persistent organic pollutant exposure and thyroid function among 12-year-old children Hélène Tillaut (France)
O-OP-120	Association of Prenatal Exposure to Persistent Organic Pollutants and Childhood Lipid Levels: The Rhea Birth Cohort (Greece) Marina Vafeiadi (Greece)
O-OP-121	Association of prenatal exposure to heavy metal mixtures and anogenital distance in newborns Tal Michael (Israel)
O-OP-122	Mixture exposure to plastic-related short half-life chemicals and associations with childhood asthma and allergies: The Hokkaido Study Yu Ait Bamai (Belgium)
O-OP-123	Oxidative stress of glyphosate, AMPA and metabolites of pyrethroids and chlorpyrifos pesticides among primary school children in Cyprus Konstantinos Makris (Cyprus)

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11:45-13:15	ORAL PRESENTATIONS SESSION 24: Light at night, sleep and impacts of urbanicity on health - WITH ETHICS DISCUSSION Chairs: Yuming Guo (Australia), Jaana Halonen (Finland)	
O-OP-124	Artificial light at night exposure and sleep behaviors in adults of Shahedieh Cohort Study Mohammad Javad Zare Sakhvidi (Iran)	
O-OP-125	Light at night exposure and risk of depression and other mental disorders: a systematic review Tommaso Filippini (Italy)	
O-OP-126	External exposome and sleep outcomes in the Nurses' Health Study Cindy Hu (USA)	
O-OP-127	Association between outdoor light at night, sleep duration, and sleep quality in the US based-Health Professionals Follow-Up Study Ilkania Chowdhury-Paulino (USA)	
O-OP-128	Physical Environmental Hazards and Major Depression in Older U.S. Adults: The Health and Retirement Study Jennifer D'Souza (USA)	











Poster Discussion Area

11:45-13:15	POSTER DISCUSSION SESSION 04: Aging and Environment Non-communicable diseases including cancer, cardio-metabolic and neurological Chairs: Martine Vrijheid (Spain), Hanbin Zhang (UK)
P-0044	The association between long-term PM2.5 exposure and late-life amyloid burden in the Atherosclerosis Risk in Communities (ARIC) study cohort Erin Bennett (USA)
P-0052	Newborn ribosomal DNA content as a potential early marker of genomic instability and longevity in association with prenatal air pollution exposure Dries Martens (Belgium)
P-0056	Ambient Air Pollution and Clinical Dementia: Systematic Review and Meta-analysis Marc Weisskopf (USA)
P-0068	Greater residential greenness is associated with reduced epigenetic aging in a population survey in North Carolina Andrey Egorov (USA)
P-1058	Long-term exposure to transportation noise and risk of type 2 diabetes: a cohort study Mette Sørensen (Denmark)
P-1060	Multidimensional sleep clusters and cardiometabolic risk factors in adolescents: Results from the GINIplus and LISA studies Mingming Wang (Germany)
P-1061	Earthquake exposure and development of ischemic heart disease Changwoo Han (Korea)
P-1064	Association between Food Insecurity and Cardiometabolic Outcomes in the U.S. Adult Population Sericea Stallings-Smith (USA)
P-1068	Association of multiple environmental risk factors with prevalent diabetes mellitus and obesity - Results from the population-based KORA FIT cohort in Augsburg, Germany Fiona Niedermayer (Germany)
P-1070	Wireless phones and brain tumour risk in young people: results of the multi-national MOBI-Kids study Gemma Castaño-Vinyals (Spain)
P-1082	Historical redlining and modern-day cardiovascular disease across New York City Pablo Knobel (USA)
P-1084	Association between Air Pollution and Prostate Cancer in the US-based Health Professionals Follow-Up Study Ilkania Chowdhury-Paulino (USA)
P-1087	Long-term effects of air pollutant exposures on site-specific cancer incidence in elders Yaguang Wei (USA)
P-1096	Metal exposures and risk of Parkinson's disease: a European prospective cohort (NeuroEPIC4PD) Yujia Zhao (Netherlands)
P-1104	Residential exposure to airborne polychlorinated biphenyls and risk of cardiovascular diseases: A register-based cohort study Laura Deen (Denmark)

13:15-14:15 **LUNCH BREAK | POSTER VIEWING**



∀ Hall Multip	ourpose
13:15-14:15	SNRN SESSION
• Hall MC3	
13:15-14:15	ISEE ANNUAL CONFERENCE COMMITTEE MEETING
• Hall MC2	
13:15-14:15	ISEE CAPACITY BUILDING & EDUCATION COMMITTEE MEETING
• Hall MC3.	2
13:15-14:15	ISEE COMMUNICATIONS COMMITTEE MEETING
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₩ Hall MC3.	
13:15-14:15	ENVIRONMENTAL EPIDEMIOLOGY EDITORIAL BOARD MEETING
Hall MC3.	4
13:15-14:15	ISEE POLICY COMMITTEE MEETING
Council R	oom
13:15-14:15	ISEE ETHICS & PHILOSOPHY COMMITTTEE MEETING - PART II
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Hall Trianti	SYMPOSIUM 15: Location, Location! The importance of geospatial exposure
	SYMPOSIUM 15: Location, Location, Location! The importance of geospatial exposure constructs to assess pesticide exposures and related adverse health outcomes in
14:15-15:45	SYMPOSIUM 15: Location, Location, Location! The importance of geospatial exposure constructs to assess pesticide exposures and related adverse health outcomes in agricultural settings Chairs: Jose Ricardo Suarez (USA), Briana Chronister (USA)
	SYMPOSIUM 15: Location, Location, Location! The importance of geospatial exposure constructs to assess pesticide exposures and related adverse health outcomes in agricultural settings Chairs: Jose Ricardo Suarez (USA), Briana Chronister (USA) Geographic and record-based pesticide exposure assessment, biologic exposure signatures, and chronic disease modelling in California
14:15-15:45	SYMPOSIUM 15: Location, Location, Location! The importance of geospatial exposure constructs to assess pesticide exposures and related adverse health outcomes in agricultural settings Chairs: Jose Ricardo Suarez (USA), Briana Chronister (USA) Geographic and record-based pesticide exposure assessment, biologic exposure signatures, and chronic disease modelling in California Beate Ritz (USA) Geospatial determinants of urinary insecticide concentrations and internalizing disorders in Ecuadorian adolescents
14:15-15:45 O-SY-068	SYMPOSIUM 15: Location, Location, Location! The importance of geospatial exposure constructs to assess pesticide exposures and related adverse health outcomes in agricultural settings Chairs: Jose Ricardo Suarez (USA), Briana Chronister (USA) Geographic and record-based pesticide exposure assessment, biologic exposure signatures, and chronic disease modelling in California Beate Ritz (USA) Geospatial determinants of urinary insecticide concentrations and internalizing disorders in Ecuadorian adolescents Briana Chronister (USA) Residential exposure to pesticides and birth outcomes using the Dutch birth registry
0-SY-068 0-SY-069	SYMPOSIUM 15: Location, Location, Location! The importance of geospatial exposure constructs to assess pesticide exposures and related adverse health outcomes in agricultural settings Chairs: Jose Ricardo Suarez (USA), Briana Chronister (USA) Geographic and record-based pesticide exposure assessment, biologic exposure signatures, and chronic disease modelling in California Beate Ritz (USA) Geospatial determinants of urinary insecticide concentrations and internalizing disorders in Ecuadorian adolescents Briana Chronister (USA) Residential exposure to pesticides and birth outcomes using the Dutch birth registry Mariana Simões (Netherlands) Residential proximity to agricultural pesticide use and respiratory health in the CHAMACOS study
O-SY-068 O-SY-069 O-SY-070	SYMPOSIUM 15: Location, Location, Location! The importance of geospatial exposure constructs to assess pesticide exposures and related adverse health outcomes in agricultural settings Chairs: Jose Ricardo Suarez (USA), Briana Chronister (USA) Geographic and record-based pesticide exposure assessment, biologic exposure signatures, and chronic disease modelling in California Beate Ritz (USA) Geospatial determinants of urinary insecticide concentrations and internalizing disorders in Ecuadorian adolescents Briana Chronister (USA) Residential exposure to pesticides and birth outcomes using the Dutch birth registry Mariana Simões (Netherlands) Residential proximity to agricultural pesticide use and respiratory health in the







Hall Skalkotas

14:15-15:45	SYMPOSIUM 16: Toxicity of air pollutant mixtures: overcoming the toxic mixture of spatial misalignment, collinearity, and measurement error Chairs: Howard Chang (USA), Jaime Hart (USA)
O-SY-074	Measurement errors in Gaussian mixture models using high-dimensional air pollution constituents data Xin Zhou (USA)
O-SY-075	Impact of exposure measurement error in multi-pollutant models: a simulation study in the time-series framework Dimitris Evangelopoulos (United Kingdom)
O-SY-076	Predictive clustering methods to identify differential toxicity of air pollutant mixtures Joshua Keller (USA)
O-SY-077	Impact of long-term exposures of PM2.5 components and sources on cause-specific mortality in a US Medicare cohort: results from two-stage residual analysis Helen Suh (USA)

14:15-15:45	SYMPOSIUM 17: Two-way road: how has the environment affected the Covid-19 pandemic and how the pandemic response affected the environment in the Latin America and Caribbean Region Chairs: Marcela Tamayo-Ortiz (Mexico), Rafael Buralli (Brazil)
O-SY-078	Association between Covid-19 mortality and atmospheric pollution Horacio Riojas-Rodriguez (Mexico)
O-SY-079	Air pollution and post-Covid-19 syndrome Nelson Gouveia (Brazil)
O-SY-080	Built environment, transport, and Covid-19 David Rojas-Rueda (USA)
O-SY-081	SARS-CoV-2 in wastewater: studies in Latin America Astrid Schilmann (Mexico)
O-SY-082	Covid-19 related waste management in the LAC region Agnes Soares da Silva (USA)
O-SY-083	Association between air pollution in Lima and the high incidence of Covid-19: findings from a post hoc analysis Diego Fano-Sizgorich (Peru)

Hall MC3

14:15-15:45	SYMPOSIUM 18: Understanding the link between the urban exposome and health Chairs: Annette Peters (Germany), Jelle Vlaanderen (Netherlands)
O-SY-084	Characterizing the urban exposome in Europe Kees de Hoogh (Switzerland)
O-SY-085	Statistical methods for quantifying the link between the urban exposome and health Marc Chadeau-Hyam (United Kingdom)
O-SY-086	Exploring the exposome across the life-course; air pollution, metabolomics and lung function Olena Gruzieva (Sweden)
O-SY-087	The urban exposome and mortality: an analysis of European administrative cohorts Evi Samoli (Greece)
O-SY-088	Urban labs - The personalized building block of exposome research Nicole Probst Hensch (Switzerland)
DISCUSSION:	From results to impact around the world: how to engage and inform citizens Mark Nigury and Viscon (Spain) & Pool Vermoulen (Notberlands)

Mark Nieuwenhuijsen (Spain) & Roel Vermeulen (Netherlands)



DAY 3 Tuesday, 20 September 2022

	luesday, 20 September 2022
• Hall MC2	
14:15-15:45	SYMPOSIUM 19: Scientist connections with Environmental Justice Communities Chairs: George Thurston (USA), Kelvin Fong (Canada)
O-SY-089	Indigenous community environmental challenges and needs Misel Joe (Canada)
O-SY-090	Engagement of communities is critical to environmental health: lessons from some remote Canadian communities Atanu Sarkar (Canada)
O-SY-091	Partnering with the community to advocate for clean air: a case study from the South Bronx, NYC Jenni Shearston (USA)
O-SY-092	A Community-centered approach to inform change: the Assessing Imperial Valley Respiratory Health and the Environment Study Yoshira Ornelas Van Horne (USA)
O-SY-093	Providing expert witness testimony regarding affected Community impacts of natural gas pipeline proposals George Thurston (USA)
DISCUSSION FORUM:	Opportunities for Scientist Engagement with Environmental Justice Communities All Speakers
Hall MC3.2	2
14:15-15:45	ORAL PRESENTATIONS SESSION 25: Environment and cardiovascular disease Chairs: Petter Ljungman (Sweden), Sofia Zafeiratou (Greece)
O-OP-129	Long-term exposure to transportation noise and incidence of ischemic heart disease: A pooled analysis of nine Scandinavian cohorts Andrei Pyko (Sweden)
O-OP-130	Association between long-term exposure to air pollution and cardio-metabolic phenotypes – A MRI-data based analysis Margarethe Woeckel (Germany)
O-OP-131	Association of short-term exposure to ambient PM1 with total and cause-specific cardiovascular disease mortality Ruijun Xu (China)
O-OP-132	Association of Volatile Organic Compound Exposure with Blood Pressure in the National Health and Nutrition Examination Survey (2011-2016) Katlyn McGraw (USA)
O-OP-133	Residential exposure to petroleum refining and stroke in the southern United States Honghyok Kim (USA)
O-OP-134	Phthalates and Incident Diabetes in Midlife Women: The Study of Women's Health Across the Nation (SWAN) Mia Peng (USA)
PHall MC3.	3
14:15-15:45	ORAL PRESENTATIONS SESSION 26: Environmental equity: environmental inequalities and health implications (2) - WITH ETHICS DISCUSSION Chairs: Tamara Schikowski (Germany), Mona Dai (USA)
O-OP-135	Interrogating the use of "maternal" in environmental epidemiology: opportunities for increasing linguistic and substantive precision Adrien Wilkie (USA)
O-OP-136	Sociodemographic disparities and metal concentrations in US drinking water supplies Mona Dai (USA)







O-OP-137	Environmental health impacts and inequalities in green space and air pollution exposures in six European cities Evelise Pereira Barboza (Spain)
O-OP-138	DDT for malaria elimination: an ethical dillema Nosiku Munyinda (Zambia)
O-OP-139	Work environment characteristics of environmental epidemiologists and mental health conditions – A cross sectional survey among ISEE members Jutta Lindert (Germany)

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14:15-15:45	ORAL PRESENTATIONS SESSION 27: In search of epigenetic signatures of environmental exposures
O-OP-140	Chairs: Devon Payne-Sturges (USA), Tommaso Filippini (Italy) HDMAX2: A framework for High Dimensional Mediation Analysis with application to maternal smoking, placental DNA methylation and birth outcomes Johanna Lepeule (France)
O-OP-141	Arsenic Exposure, Blood DNA Methylation and Cardiovascular Disease Arce Domingo (Spain)
O-OP-142	Epigenetic Mediation of Prenatal Tobacco and Alcohol Exposure and Infant Neurodevelopment in a South African Birth Cohort: A High-Dimensional Mediation Analysis Sarina Abrishamcar (USA)
O-OP-143	Prenatal wildfire exposure associates with differential placental DNA methylation and pregnancy traits Rebecca Schmidt (USA)
O-OP-144	Exposure to Ambient Gaseous Pollutants, Serum miRNA Networks, Lipid Metabolism, and Non-Alcoholic Fatty Liver Disease in Young Adults William Patterson (USA)
O-OP-145	Mitochondrial DNA Copy Number Dynamics from Birth through Adolescence in a Population of Dominican and African American Children Allison Kupsco (USA)

Poster Discussion Area

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14:15-15:45	POSTER DISCUSSION SESSION 05: Air pollution (ambient & indoor) and Sources Chairs: Audrey de Nazelle (UK), Anne-Claire Binter (Spain)
P-0098	Combined Deep Learning and Land Use Regression Models for Ultrafine Particles and Black Carbon in Montreal and Toronto, Canada Marshall Lloyd (Canada)
P-0100	Expression of aflatoxin genes in fungal isolates from vehicle air filters Małgorzata Gołofit-Szymczak (Poland)
P-0112	Effects of vitamin D on association between air pollution and mental health in Korean adults: Results from the Korea National Health and Nutrition Examination Survey (KNHANES) Hyoseon Kim (Korea)
P-0120	Europe-wide air pollution modelling from 2000 to 2019 using geographically weighted regression Youchen Shen (Netherlands)
P-0137	Association of PM 2.5 components with the incidence of end-stage kidney disease in two large European cohorts Gudrun Weinmayr (Germany)



P-0138	Association between ambient air pollutants and influenza – A systematic review and meta-analysis Regina Pickford (Germany)
P-0148	Long-term exposure to air pollution and decreased renal function in older adults: A longitudinal cohort study Heeseon Jang (Korea)
P-0157	Impact of Do-It-Yourself and Commercial Air Cleaner Usage on Health and Residential PM2.5 Mallory Turner (USA)
P-0180	Short-term effects of carbonaceous particles on mortality: A time-series study in London Rachael Piper (UK)
P-0212	Partitioning personal measurements into personal exposure to pollution from indoor and outdoor sources in London inhabitants - n analysis within the MELONS* project Hanbin Zhang (UK)
P-0230	Effects of a liquefied petroleum gas cookstove and fuel intervention on preterm birth and gestational duration: the multi-country Household Air Pollution Intervention Network (HAPIN) trial Lisa Thompson (USA)
P-0237	Air pollution impacts at very low levels: Shape of the concentration-mortality relationship in a large population-based Canadian cohort Michael Brauer (Canada)
P-0239	Application of geostationary satellite and high-resolution meteorology data in estimating hourly PM2.5 levels during the Camp Fire episode in California Bryan N.Vu (USA)
P-0240	Transportation-Related Emissions Surrogates Support Modeling of Oxides of Nitrogen Exposure Nathan Pavlovic (USA)
P-0242	Application of an ultra-low-cost passive sampler for light-absorbing carbon in India and Mongolia Bujin Bekbulat (USA)

15:45-16:15 COFFEE BREAK | POSTER VIEWING

• Hall Triant	i
16:15-17:45	ORAL PRESENTATIONS SESSION 28: The exposome and health Chairs: Roel Vermeulen (Netherlands), Adjani Peralta (USA)
O-OP-146	Metabolomics links lifestyle variables to breast cancer in the Long Island Breast Cancer Study Project Lauren Petrick (USA)
O-OP-147	External exposome and all-cause mortality in two large administrative cohorts: Rome (Italy) and Greece Federica Nobile (Italy)
O-OP-148	The urban exposome and type 2 diabetes: A deep learning approach Haykanush Ohanyan (Netherlands)
O-OP-149	Exploring early life exposome related to low birth weight through machine learning methods Mei Huei Chen (Taiwan)
O-OP-150	Impact of residential relocation on environmental exposures in European cohorts: an exposome-wide approach Apolline Saucy (Spain)
O-OP-151	Metabolic Pathways Altered by Air Pollution Exposure in Association with Lipid Profiles in Young Adults Jiawen Liao (USA)







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16:15-17:45	ORAL PRESENTATIONS SESSION 29: Impacts of environmental exposures on COVID-related outcomes Chairs: Payam Dadvand (Spain), Maria Foraster (Spain)
O-OP-152	A Spatial and Contextual Exposome-Wide Association Study of COVID-19 Hospitalizations in Florida, United States Hui Hu (USA)
O-OP-153	Spatial Analysis of Ambient Air Pollution and COVID-19 Death in a Hospitalized Cohort of Confirmed Cases in Southern California Michael Jerrett (USA)
O-OP-154	COVID-19 disease severity in hospitalized patients is associated with short- and long-term exposure to air pollutants Stijn Vos (Belgium)
O-OP-156	Antibody Response after COVID-19 Vaccination in Healthy Adults Exposed to Perfluoroalkyl Substances in Ronneby, Sweden Axel Andersson (Sweden)
O-OP-157	The association of COVID-19 incidence with temperature, humidity, and UV radiation – A Global multi-city analysis Francesco Sera (Italy)

Hall Multipurpose

16:15-17:45	ORAL PRESENTATIONS SESSION 30: Child health, air pollution exposure and greenspace Chairs: Ulrike Gehring (Netherlands), Hasan Sohail (Finland)
O-OP-158	Air quality and children allergic diseases and neurodevelopmental disorders - A nationwide birth cohort follow-up approach Shu-Li (Julie) Wang (Taiwan)
O-OP-159	In-utero exposure to air pollution and blood pressure in children from the Rhea birth cohort study, Greece Theano Roumeliotaki (Greece)
O-OP-160	Short-term air pollution exposure and anxiety symptoms in children from Mexico City Laura McGuinn (USA)
O-OP-161	Prenatal exposure to residential green space and cord blood DNA methylation: epigenome wide association studies in the ENVIRONAGE cohort Rossella Alfano (Belgium)
O-OP-277	Characterization of shed baby tooth metal concentrations in Project Viva Pi-i Debby Lin (USA)
O-OP-163	Assessment of the joint effects of PM2.5 and pollen on childhood asthma exacerbation in the Philadelphia metropolitan region, 2011-2016 Wanyu Huang (USA)

▼ Hall MC3	
16:15-17:45	PECHA KUCHA SESSION 03: Child health Chair: Dharshani Pearson (USA)
O-PK-17	Associations of prenatal exposure to per- and polyfluoroalkyl substances (PFAS) with measures of cognition in 7.5-month-old infants Stephanie Eick (USA)
O-PK-18	Effects of Artificial Light at Night on Body Mass Index and Islet Autoimmunity Development in Children in Bavaria, Germany Mahnaz Badpa (Germany)
O-PK-19	Prenatal Exposure to Ambient Particle Radioactivity and Fetal Growth in Eastern Massachusetts Veronica Wang (USA)







Jaelim Cho (Korea)

DAY 3Tuesday, 20 September 2022

O-PK-20	The association between ambient temperature exposure during infancy and overweight at age two years Neora Alterman (Israel)
O-PK-21	Prenatal Exposure to Air Pollution and Childhood Lipid Levels: The Rhea Birth Cohort (Greece) Marina Vafeiadi (Greece)
O-PK-22	The relationship between pregnancy phthalate exposure and language development at 2 years of age Megan Woodbury (USA)
O-PK-23	Big Data-Driven Korean CHildren's Environmental health Study (Ko-CHENS): Big-CHENS Eunhee Ha (Korea)
O-PK-24	Ambient Air Pollution and Preeclampsia Onset in Massachusetts, United States Hui Hu (USA)
O-PK-25	Quantification of waste in schools: A case study in Danang City, Vietnam Hoang Nguyen Nhat Linh (Vietnam)
O-PK-26	Peri-conceptional exposure to ambient air pollution increases risk of gestational diabetes among pregnant participants in the Maternal and Developmental Risks from Environmental and Social Stressors (MADRES) study Zhongzheng Niu (USA)
O-PK-27	High Ambient Temperatures and Child/Young Adult Injury Emergency Department Visits in NYC Blean Girma (USA)
O-PK-28	Injury occurrence and gender-related factors among child workers in Nicaragua: a crossectional study Steven Cuadra (Nicaragua)

	Clevel Cadala (Nodragua)
♥ Hall MC2	
16:15-17:45	ORAL PRESENTATIONS SESSION 31: Air pollution, cognitive function and dementia-related health outcomes Chairs: Zorana Andersen (Denmark), Kouame Kouadio (Cote d'Ivoir)
O-OP-164	The 2018 Japan Floods increased prescriptions of anti-dementia drugs among disaster victims: a retrospective cohort study based on a national health insurance database Saori Kashima (Japan)
O-OP-165	The challenge of pre-enrollment selection bias in estimating the effects of air pollution on cognitive decline and other dementia-related outcomes Ryan Andrews (USA)
O-OP-166	The impact of long-term exposure to fine particulate matter on incident dementia among U.S. older adults Tszshan Ma (USA)
O-OP-167	PM2.5 and dementia - APOE-e4 and odor identification ability as moderators John Andersson (Sweden)
O-OP-168	Association between ambient air pollution exposure and plasma -amyloid levels in the French Three-City study: preliminary results Jeanne Duchesne (France)
O-OP-169	Associations of particulate matter exposures with brain cortical thickness and white matter hyperintensities: effect modification by c-reactive protein

Ana Maria Vicedo-Cabrera (Switzerland)







DAY 3 Tuesday, 20 September 2022

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16:15-17:45	ORAL PRESENTATIONS SESSION 32: Health consequences of meteorological events and precipitation - WITH ETHICS DISCUSSION Chairs: Kai Chen (USA), Pierre Masselot (UK)
O-OP-170	The influence of rainfall measurement on the associations between rainfall and acute gastro-intestinal illness in North Carolina Kristen Downs (USA)
O-OP-171	Exploring the association between precipitation and mental health hospitalizations in Switzerland Sujung Lee (Korea)
O-OP-172	Sex and Age Characteristics of Thunderstorm Asthma Emergency Department Visits in a Midwest Metropolitan Environment (2007-2018) Jesse Berman (USA)
O-OP-173	Dust Storms and Respiratory Emergency Department Visits in the Southwestern United States Stefanie Ebelt (USA)
O-OP-174	Risk of preterm birth associated with heat: a multi-country multi-city analysis

Hall MC3.3

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16:15-17:45	ORAL PRESENTATIONS SESSION 33: Air pollution and emerging health outcomes Chairs: Giota Touloumi (Greece), Chen Chen (USA)	
O-OP-175	A cohort study of the multi-pollutant effects of PM2.5, NO2, and O3 on C-reactive protein levels during pregnancy Priyanka Gogna (Canada)	
O-OP-176	Association between environmental air pollution and olfactory functioning among Italian adolescents and young adults in Northern Italy Stefano Renzetti (Italy)	
O-OP-177	Air pollution, telomere length, and related health outcomes in the UK Biobank Cohort Chia-Ling Kuo (USA)	
O-OP-178	Association of air pollution with incidence of end stage renal disease in two European cohorts and effect modification by chronic conditions Gudrun Weinmayr (Germany)	
O-OP-179	Medium- and Long-Term PM2.5 Exposures and Sudden Cardiac Death in a Prospective Cohort of US Women William Borchert (USA)	
O-OP-180	Metal Constituents of Fine Particulate Matter Mass and Incident Depression: A Community-based Cohort Study in China Xinhan Zhang (China)	

Hall MC3.4

16:15-17:45	ORAL PRESENTATIONS SESSION 34: Exposure to chemicals and adverse health outcomes Chairs: Hanna-Andrea Rother (South Africa), Linda Macheka (Luxembourg)
O-OP-181	Exposure To Perfluoroalkyl Substances And Risk Of Hepatocellular Carcinoma In The Multiethnic Cohort Jesse Goodrich (USA)
O-OP-182	Metabolic changes associated with polybrominated biphenyls and polychlorinated biphenyls in the Michigan PBB registry Susan Hoffman (USA)



O-OP-183	Relations between concentrations of perfluoroalkyl substances (PFAS) in drinking water and serum in adults living near PFAS hotspots Carolina Vogs (Sweden)
O-OP-184	Exposure of the Portuguese population to metals and metalloids: results from a national study Sónia Namorado (Portugal)
O-OP-185	Occupational exposure and asbestos related disease in Brazil, 2007 to 2021 Rafael Buralli (Brazil)
O-OP-186	Addressing Commercial Determinants of Health in African Pesticide Research Hanna-Andrea Rother (South Africa)

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	Hanna-Andrea Rother (South Africa)
Poster Dis	cussion Area
16:15-17:45	POSTER DISCUSSION SESSION 06: Chemical Exposures Occupational Exposures and Health Water Quality Chairs: Heresh Amini (Denmark), Chi-Hsin Sally Chen (Taiwan)
P-0318	Relationship between cadmium exposure, triglyceride-glucose index and carotid artery atherosclerosis Kwanghyun Kim (Korea)
P-0324	Prenatal Perfluorooctanoic Acid (PFOA) Exposure Significantly Decreases in utero Fetal Head Circumference and Biparietal Diameter Growth Among Women Reporting Higher Levels of Perceived Stress Alicia Peterson (USA)
P-0329	Organophosphate Flame Retardant Exposures and Maternal Depression During Pregnancy in the Maternal and Developmental Risks from Environmental and Social Stressors (MADRES) Pregnancy Cohort Ixel Hernandez-Castro (USA)
P-0352	Exposure to Per- and polyfluoroalkyl substances is associated with altered pancreatic β-cell function Jesse Goodrich (USA)
P-0354	Associations of urinary metabolite concentrations of legacy phthalates and their replacements with body composition from mid-childhood to early adolescence Lisa B. Rokoff (USA)
P-0390	Associations between per- and polyfluoroalkyl substances and liver fibrosis and steatosis in U.S. adolescents and adults Yu Zhang (USA)
P-0400	Control of prenatal exposures to mercury in Europe: harmonized communication of fish-consumption advice to pregnant women combined with human biomonitoring Dimosthenis Sarigiannis (Greece)
P-0402	Allostatic Load as a Modifier of Associations Between Metals and Blood Pressure Andrea Chiger (USA)
P-1115	Cancer risks in the employees working at the Air Transportation Industries in the Republic of Korea Kyung-Eun Lee (Korea)
P-1143	Environmental pollution from nephrite jade mines and lung cancer risk in a nearby community: An age-period-cohort analysis and joinpoint regression analysis in Fengtian, Taiwan Hsiao-Yu Yang (Taiwan)
P-1165	Lung cancer and radon: Pooled analysis of uranium miners hired in 1960 or later David Richardson (USA)



P-1175	Establishing heat stress indicators for work in a warming world: multi-country field evaluation and consensus recommendations Andreas Flouris (Greece)
P-1245	Seasonal Changes in Physicochemical, Chemical and Bacteriological Parameters of Gomti River in Bangladesh Saif Shahrukh (Bangladesh)
P-1246	Polymers of micro- and nanoplastics in household tap water of Barcelona Cristina Villanueva (Spain)
P-1256	Abundance, Types, and Polymer Composition of Microplastics Present in a Coastal Region of Cox's Bazar, Bangladesh Mohammad Enayet Hossain (Bangladesh)

PBLE AZZURE (outside venue)

20:00-00:00 CONFERENCE DINNER

See details on page xxx



P Hall Skalkotas

07:30-08:30 EARLY MORNING SESSION 07: Actionable insights from Environmental Health Practice:

bridging the gap between research to practice

Presenter: Yulia Carroll (USA)

07:30-08:30 EARLY MORNING SESSION 08: Bridging Implementation Science and Health Equity to

Mitigate Climate Change Impacts

Chair: Margaret Handley (USA)

Presenters: Lisa Thompson (USA), Neeta Thakur (USA), Lindsey Ann Martin (USA)

P Hall MC3

07:30-08:30 EARLY MORNING SESSION 09: Air Pollution and Health: The Case of Central and

Southeast Europe

Chairs: Pallavi Pant (USA), Zorana Andersen (Denmark), Tamara Schikowski (Germany Presenters: Nataša Dragić (Serbia), Artur Badyda (Poland), Anna Karakatsani (Greece)

PHall MC2

07:30-08:30 EARLY MORNING SESSION 10: SNRN - Beyond academia: fulfilling and exciting

non-academic careers

Chairs: Rachel Shaffer (USA), Yanelli Nunez (USA)

Panelists: Sabah Quraishi (USA), Maria Elisa Quinteros (Chile), Sorina Effim (USA),

Thomas Bateson (USA)

Hall Trianti

08:30-09:00 AWARDS CEREMONY

🕈 Hall Trianti

09:00-09:45 KEYNOTE LECTURE 4: Reproducible science for knowledge and decision-making

Chair: Evi Samoli (Greece)

Speaker: John P.A. Ioannidis (USA)

09:45-10:30 KEYNOTE LECTURE 5: Reinforcing democratic structures to protect the environment and

health: when science meets democratic structures, re-writing the Chilean constitution

Chair: Evi Samoli (Greece)

Speaker: Maria Elisa Quinteros Cáceres (Chile)

10:30-11:30 KEYNOTE PANEL 3: ARTF Keynote: Race and Racism from a Global Perspective

Chair: Margaret Hicken (USA)

Speakers: Mackda Ghebremariam Tesfau (Italy)

Racism, colorblindness and colonial removal: the Italian case as European paradigm

Jean Beaman (USA)

Race and Racism from a Global Perspective

11:30-12:00 COFFEE BREAK | POSTER VIEWING





Weanesaay, 21 September 2022 P Hall Trianti		
12:00-13:30	SYMPOSIUM 20: Epidemiological studies for preparedness and response to public health and environmental crises and disasters Chairs: Elisabeth Cardis (Spain), Kurt Straif (Spain)	
O-SY-094	Lessons learnt from past nuclear accidents Elisabeth Cardis (Spain)	
O-SY-095	Reflections on the response to the SARS-CoV-2 pandemic in South Africa Cheryl Cohen (South Africa)	
O-SY-096	Beirut Blast August 2020: lessons learned for environmental epidemiology in low-resource settings Iman Nuwayhid (Lebanon)	
O-SY-097	Emerging preparedness for major accidents: updates about the 9/11 health consequences and more recent events Roberto Lucchini (USA)	
O-SY-098	Standardized epidemiological protocols for assessment of health impacts in eruption crises Will Mueller (UK)	
Hall Skalk	otas	

12:00-13:30	SYMPOSIUM 21: Is access to environmental public health monitoring and surveillance an equity and justice issue in low- and middle-income countries? Chairs: Fuyuen Yip (USA), Helen Crabbe (UK)
O-SY-104	International Network for Public Health and Environmental Tracking (INPHET) and its role to Environmental Epidemiology Paolo Lauriola (Italy)
O-SY-100	Strengthening environmental health surveillance in low- and middle-income countries Sumi Mehta (USA)
O-SY-101	Interventions to reduce lead (Pb) exposure and value of a broad environmental health monitoring capacity Giovanni Leonardi (UK)
O-SY-103	Inequalities in environmental public health funding in the European region Helen Crabbe (UK)
O-SY-102	The role of field epidemiology in strengthening public health capacity for chemical and environmental hazards in Ghana and Zambia Giovanni Leonardi (United Kingdom)

Hall Multipurpose

	, main mainparpage		
12:00-13:30	SYMPOSIUM 22: Climate change, heat and maternal health: estimating current and future burdens Chairs: Sari Kovats (United Kingdom), Nathalie Roos (Sweden)		
O-SY-105	Associations between ambient temperature and risk of preterm birth in Sweden: a comparison of analytical approaches Jeroen de Bont (Sweden)		
O-SY-106	Ambient temperature during pregnancy and risk of maternal hypertensive disorders: a time-to-event study in Johannesburg, South Africa Cherie Part (United Kingdom)		
O-SY-107	Climate and extreme weather impacts on health service delivery in sub-Saharan Africa: a systematic review Sari Kovats (United Kingdom)		
O-SY-108	The effect of high and low ambient temperature on infant health: a systematic review Darshnika Pemi Lakhoo (South Africa)		
O-SY-109	Past and projected climate change impacts on heat-related child mortality in Africa Sarah Chapman (United Kingdom)		



PHall MC3	
12:00-13:30	ORAL PRESENTATIONS SESSION 35: Occupational exposures and respiratory outcomes Chairs: Dimosthenis Sarigiannis (Greece), Leah Moubadder (USA)
O-OP-187	Exposure Trends and Half-lives of Per- and Polyfluoroalkyl Substances (PFAS) in Australian Firefighters Sandra Nilsson (Australia)
O-OP-188	Atrazine use and cancer risk within the Agricultural Health Study (AHS) cohort: An update Richard Remigio (USA)
O-OP-189	Pesticide exposure, genetic susceptibility, and prostate cancer risk in the Agricultural Health Study Stella Koutros (USA)
O-OP-190	Exploration of occupations as risk factors for lung cancer in hierarchical and penalization penalized regression models accounting for multiple known exposures Calvin Ge (Netherlands)
O-OP-191	Lung Cancer Risk in Relation to Jobs Held in a Nationwide Case-Control Study in Iran Bayan Hosseini (France)
O-OP-192	Study of Parental Occupational Exposures to Solvents and Risk of Autism Spectrum Disorder in Offspring Aisha Dickerson (USA)
• Hall MC2	
12:00-13:30	ORAL PRESENTATIONS SESSION 36: Air pollution: maternal and neonatal health Chairs: Yasushi Honda (Japan), Mike He (USA)
O-OP-193	Exposure to ambient fine particulate matter (PM2.5) from local sources during pregnancy may reduce birth weight: An administrative cohort study from southern Sweden Ebba Malmqvist (Sweden)
O-OP-194	Air Pollution Exposure during Pregnancy and Childhood, APOE & Status and Polygenic Risk Score for Alzheimer's Disease, and Brain Structural Morphology in Preadolescents Esmée Essers (Netherlands)
O-OP-195	A population-based cohort study of traffic congestion and term birth weight using vehicle telematics data Mary Willis (USA)
O-OP-196	Geospatial determinants of maternal and child exposure to fine particulate matter in Kintampo, Ghana: Levels within the household and community, by building density and nearby roadways Danielle Medgyesi (USA)
O-OP-197	Effects of a liquefied petroleum gas cookstove and fuel intervention on fetal and neonatal outcomes: a multi-country randomized controlled trial conducted by the Household Air Pollution Intervention Network (HAPIN) trial Ashley Younger (USA)
O-OP-198	Effect of Ramadan fasting during pregnancy on birth weight of term newborns: Modification by biomass fuel use in Kaduna, Nigeria Musa Kana (Nigeria)
Hall MC3.	2
12:00-13:30	ORAL PRESENTATIONS SESSION 37: Using metabolomics to understand mechanisms of environmental exposures Chairs: Marie Standl (Germany), Luis Diego Palomo Cordero (Costa Rica)
O-OP-199	Agricultural pesticide exposure related to metabolic changes in Parkinson's disease patients Kimberly Paul (USA)





O-OP-200	Air pollution, proteomics, metabolomics, and cardiometabolic health in the Framingham Heart Study Laura Corlin (USA)
O-OP-201	Salivary metabolomic signatures and body mass index (BMI) in Italian adolescents: a pilot study Sandra India-Aldana (USA)
O-OP-202	Using High-Resolution Metabolomics for Identifying Metabolic Profiles Associated with Ambient Air Pollution in the Cancer Prevention Study-II Nutrition Cohort Donghai Liang (USA)
O-OP-203	Mapping the mechanistic evidence of wood smoke and wildfire studies in humans Whitney Arroyave (USA)
O-OP-204	Air pollution exposure during pregnancy and placental metabolomics Lina Mu (USA)

PHall MC3.3

12:00-13:30	Chairs: Matilda van den Bosch (Spain), Antonis Analitis (Greece)
O-OP-205	Neighborhood built environment, psychosocial stressors, and telomere length of birth parents and infants from San Francisco, California Rachel Morello-Frosch (USA)
O-OP-206	Residential Greenness and Depression in Older U.S. Adults: Evidence from The Health and Retirement Study Alan Fossa (USA)
O-OP-207	Early Life Exposure to Greenspace and Autism Spectrum Disorder and the Mediating Effects of Air Pollution in Ontario, Canada Eric Lavigne (Canada)
O-OP-208	Association of Greenspace Exposure at Midlife with Cognitive Decline Later in Life in a Study of US Women Peter James (USA)
O-OP-209	Residential proximity to greenspace and human birth defects Kari Weber (USA)
O-OP-210	Air pollution, greenspace and active travel infrastructure impacts on stress while walking, cycling, or in motorized transport Audrey de Nazelle (UK)

PHall MC3.4

12:00-13:30	ORAL PRESENTATIONS SESSION 39: Reproductive outcomes and exposure to air pollution Chairs: Beate Ritz (USA), Ivan Gutierrez-Avila (USA)
O-OP-211	Ambient Black Carbon Particles Travel From Mother Into the Fetal Circulation and Organs During Gestation Eva Bongaerts (Belgium)
O-OP-212	Traffic-Related Air Pollution and DNA Methylation of the Follicular Fluid Audrey Gaskins (USA)
O-OP-213	Prenatal depression increases susceptibility to periconceptional ambient air pollution exposure in relation to risk of gestational hypertension Zhongzheng Niu (USA)
O-OP-214	Upstream oil and gas production and risk of spontaneous preterm birth in California: A matched sibling study David Gonzalez (USA)
O-OP-215	Ambient air pollution concentrations and incidence of spontaneous abortion Amelia Wesselink (USA)



13:30-14:30

LUNCH BREAK | POSTER VIEWING

18-21 sept. 2022 Megaron Athens International Conference Centre





DAY 4Wednesday, 21 September 2022

O-OP-216
Prenatal cadmium exposure in relation to placental and birth size: effect modification by fetal sex and genetic variation in the placental barrier transporter ABCG2
Emily Barrett (USA)

Poster Discussion Area		
12:00-13:30	POSTER DISCUSSION SESSION 07: Built and Physical Environment exposures Climate change and Health Chairs: Harshal Ramesh Salve (India), Federica Nobile (Italy)	
P-0247	Long-term Exposure to Walkable Residential Neighborhoods Reduces the Risk of Obesity-related Cancer in Women Sandra India-Aldana (USA)	
P-0268	Association between woodsmoke and respiratory health: A Dutch panel study Fleur Froeling (Netherlands)	
P-0282	The relation of residential greenness with fetal growth and the role of air pollution in Eastern Massachusetts, USA Michael Leung (USA)	
P-0295	Road traffic noise and incidence of primary hypertension: a prospective analysis in UK Biobank Samuel Cai (UK)	
P-0298	Association between greenspace exposure and different domains of cognitive function in the French CONSTANCES cohort Ana Ramos (Spain)	
P-0301	Validation and Improvement of the Dutch Obesogenic Built Environment Characteristics Index Thao Minh Lam (Netherlands)	
P-0304	Modeling MODIS LST at European scale Alonso Bussalleu (Switzerland)	
P-0316	Improved Hyperlocal Air Quality Mapping: Can Traditional Deterministic Modelling Leverage Mobile Monitoring via Hybrid Modelling Approaches? Jibran Khan (Denmark)	
P-0554	The prospective effects of Climate change on Neglected Tropical Diseases in the Eastern Mediterranean region: A review Ahmed Al-Delaimy (Iraq)	
P-0577	Short-term effects of air temperature on mortality in the Norwegian CONOR cohort – results of the EXHAUSTION project Shilpa Rao-Skirbekk (Norway)	
P-0580	Ambient heat and emergency department visits for mental health in Canada: assessing temporal variations by greenspace, urbanicity and socioeconomic status Eric Lavigne (Canada)	
P-0590	Association between high temperature and hospital admissions for kidney diseases: a nationwide study Elisa Gallo (Italy)	
P-0599	Describing cumulative exposure related to heat stress in France to support adaptation Lucie Adelaide (France)	
P-0604	Extreme temperatures and cause-specific mortality in a temperate climate zone: a case-crossover study in Central Mexico Ivan Gutierrez-Avila (USA)	
P-0611	Climate change and cardiovascular disease mortality: exploring the association in Puducherry, India Shreya Shrikhande (Switzerland)	



	ourpose
13:30-14:30	WOMEN'S SESSION
• Hall MC3	
13:30-14:30	BRAINSTORMING ON EE CRISIS
• Hall MC3.	2
13:30-14:30	US-EASTERN MEDITERRANEAN INITIATIVE GROUP MEETING
• Hall MC3.	3
13:30-14:30	WARTENBERG AWARDEE EVENT
• Hall MC3.	4
13:30-14:30	MEET THE PRESIDENT
• Hall Triant	i
14:30-16:00	SYMPOSIUM 23: The use of epidemiology in risk assessment: challenges and innovations in translating human health research Chairs: Rachel Shaffer (USA), Rebecca Nachman (USA)
O-SY-110	Introduction to applying dose-response modeling from epidemiological data to derive toxicity values Thomas Bateson (USA)
O-\$Y-111	Developments in benchmark modeling of epidemiological data Philippe Grandjean (Denmark)
O-\$Y-112	Benchmark dose estimation using covariate-controlled epidemiology estimates Matthew Wheeler (USA)
O-SY-113	Advances in the meta-regression of heterogeneous studies: lessons learned from EPA's analysis of inorganic arsenic Alexandra Larsen (USA)
O-SY-114	Estimation of the exposure response relation by combining epidemiological, human biomarker and animal data in a Bayesian meta-regression model Roel Vermeulen (Netherlands)
	otas
14:30-16:00	SYMPOSIUM 24: Chemical exposures and children's health in the United States: results from the NIH Environmental influences on Child Health Outcomes (ECHO) Program Chairs: Jessie Buckley (USA), Deborah Bennett (USA)
O-SY-115	Solution-oriented research for chemical exposures and children's health: the ECHO Program Jessie Buckley (USA)
O-SY-116	Organophosphate ester flame retardant exposure and perinatal outcomes Deborah Bennett (USA)
O-SY-117	Prenatal exposures to bisphenols and phthalates, gestational length and birth weight in the US: a national longitudinal study Leonardo Trasande (USA)
O-SY-118	Exposures to environmental phenols and asthma risk

Rachel Miller (USA)

O-SY-119	Associations of gestational perfluoroalkyl substances exposure with early childhood BMI Z-scores and risk of overweight/obesity: results from the ECHO cohorts Jamie Yun Liu (USA)
O-SY-120	Prenatal exposure to per- and polyfluoroalkyl substances and childhood autism-related outcomes Jennifer Ames (USA)
Hall Multip	purpose
14:30-16:00	ORAL PRESENTATIONS SESSION 40: Child health and exposure to air pollution Chairs: Pau-Chung Chen (Taiwan), Vassiliki Benetou (Greece)
O-OP-217	Accumulation of Black Carbon Particles in Placenta, Cord Blood and Childhood Urine on the Intestinal Microbiome Diversity and Composition in Four-to-Six-Year-Old Children Thessa Van Pee (Belgium)
O-OP-218	Coal ash and depression in children aged 6-14 years old Kristina M Zierold (USA)
O-OP-219	Association of improved air quality with lung development from childhood until young adulthood: The BAMSE study Zhebin Yu (Sweden)
O-OP-220	Air Pollution Exposure during Pregnancy and Childhood, Cognitive Function, and Emotional and Behavioral Problems in Adolescents Michelle Kusters (Netherlands)
O-OP-221	Agricultural burning in Imperial Valley, California and respiratory symptoms in children: a cross-sectional, repeated measures analysis Elizabeth Kamai (USA)
O-OP-222	Exposure to Indoor Particulate Matter is Associated with Gastrointestinal and Respiratory Microbial Communities Maximilian Bailey (USA)
• Hall MC3	
14:30-16:00	ORAL PRESENTATIONS SESSION 41: Heat stress, temperature, air pollution and health Chairs: Marc Weisskopf (USA), Diana Varaden (UK)
O-OP-223	The Effects of Co-Exposure to Extremes Heat and Particulate Air Pollution on Mortality in California Md Mostafijur Rahman (USA)
O-OP-224	Projection of combined vulnerability to air pollution and heat stress Sourangsu Chowdhury (Norway)
O-OP-225	Mediation of 8-hour Maximum Concentration of Ozone on Association between Temperature and Daily Mortality and Excess Mortality due to Climate Change in 7 Metropolitan Cities in Korea Sanghyuk Bae (Korea)
O-OP-226	Heat, Fine Particulates, and Diagnosis of Dementia: A Matched Case Control Study in North Carolina from 2003 to 2016 Anne Weaver (USA)
O-OP-227	Ambient heat exposure and COPD hospitalisations in England: A nationwide case-crossover study during 2007-2018

Interactive effects of heat and air pollution on mortality in Europe using small area data -

Garyfallos Konstantinoudis (UK)

Results of the exhaustion project Francesca De Donato (Italy)

O-OP-228





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14:30-16:00	ORAL PRESENTATIONS SESSION 42: Environment and health in low and medium income countries (2) Chairs: Ahmed Al-Delaimy (Iraq), Diana Marcela Marin Pineda (Colombia)
O-OP-230	The effect of landscape fires on child hospital visits and admissions: a time-series study in southern Mozambique Ariadna Curto (Spain)
O-OP-231	Effects of a liquefied petroleum gas stove intervention on gestational blood pressure: intention-to-treat and exposure-response findings from the Household Air Pollution Intervention Network (HAPIN) trial Wenlu Ye (USA)
O-OP-232	Indoor air pollution and diet mediates the effects of social inequality on birth outcomes Talat Islam (USA)
O-OP-233	Air pollution, physical activity, and incident gestational diabetes mellitus: a prospective cohort study Wenyu Liu (China)
O-OP-234	Association of Ambient and Household Air Pollution with Lung Function in Young Adults in an Peri-urban Area of South-India: a cross-sectional study Cathryn Tonne (Spain)
O-SY-128	Using spatial data for sampling prioritization and prediction of PFAS chemicals in fish tissue in the Columbia River Basin Nicole DeLuca (USA)

Hall MC3.2

14:30-16:00	ORAL PRESENTATIONS SESSION 43: Modelling techniques for exposure assessment Chairs: Sean Beevers (UK), Konstantina Dimakopoulou (Greece)		
O-OP-235	UK hyperlocal air pollution model – Use of inverse modelling to increase the spatial detail of air pollution predictions Sean Beevers (UK)		
O-OP-236	Assessing daily PM2.5 at every square kilometer of India over 2008-2020 using a machine learning framework Siddhartha Mandal (India)		
O-OP-237	Comparison of PM2.5 concentrations estimated using eleven different methods and their associations with cognitive outcomes in the ARIC cohort Katie Lynch (USA)		
O-OP-238	Sources of measurement error for indoor carbon monoxide exposure – A simulation model Sophie Hamilton (UK)		
O-OP-239	Air Pollution Models of High Spatiotemporal Resolution for the State of California to Identify Exposure Disparities of the Disadvantaged Communities Jason Su (USA)		
O-OP-240	Personal exposures to PM2.5 in rural Beijing, China: Spatial-temporal variation patterns and modeling approaches Xiaoying Li (Canada)		

Hall MC3.3

14:30-16:00	ORAL PRESENTATIONS SESSION 44: Risk communication and participatory epidemiology – WITH ETHICS DISCUSSION Chairs: Francine Laden (USA), Danny Houthuijs (Netherlands)
O-OP-241	PM2.5 attributable health disparities and distributional benefits of alternative National Ambient Air Quality Standards in the continental United States Ananya Roy (USA)



O-OP-242	Pathway to WHO: Achieving clean air in the UK - Modelling air quality costs and benefits Heather Walton (UK)
O-OP-243	The impact of alternative fuel vehicles on health: a systematic review Audrey Pennington (USA)
O-OP-244	Application of co-created citizen science in environmental epidemiology Fleur Froeling (Netherlands)
O-OP-245	An Evaluation of the Air Quality Warning System for Vulnerable and Susceptible Individuals in South Korea Youhyun Park (Korea)

PHall MC3.4

14:30-16:00	ORAL PRESENTATIONS SESSION 45: Maternal exposures and neurobehavioural outcomes Chairs: Benjamin Barratt (UK), Marloes Eeftens (Switzerland)	
O-OP-246	Maternal per- and poly-fluoroalkyl substances exposures associated with higher depression scores among immigrant women in the San Francisco Chemicals in Our Bodies cohort Max Aung (USA)	
O-OP-247	Associations of exposure to phenols during pregnancy with non-nutritive suck in full-term infants in two US birth cohorts Megan Woodbury (USA)	
O-OP-248	Prenatal exposure to endocrine disrupting chemicals and the association to behavioural outcomes in children at age seven in the SELMA study Marlene Stratmann (Sweden)	
O-OP-249	Joint Effects of Indoor Air Pollution and Maternal Psychosocial Stress During Pregnancy on Trajectories of Early Childhood Psychopathology Grace Christensen (USA)	
O-OP-250	Air pollution during perinatal period and neurodevelopment in children: a national population study in Taiwan Ping Shih (Taiwan)	
O-OP-251	Prenatal exposure to polycyclic aromatic hydrocarbons and behavioral problems in preschool and early school-aged children Erin Wallace (USA)	

Poster Dis	cussion Area
14:30-16:00	POSTER DISCUSSION SESSION 08: Environment and health in low and medium income areas Environmental Equity Ethics Chairs: Sylvia Takyi (Ghana), Andres Cardenas (USA)
P-0687	Long-term exposure to PM2.5 and avoidable mortality in Colombia 2014-2019 Laura Andrea Rodriguez-Villamizar (Colombia)
P-0694	Long-term ambient air pollution exposure and tuberculosis notification rates during 2005–2017 in Ningxia Hui Autonomous Region, China Igor Popovic (Australia)
P-0697	Effects of Environmental Pollution from Illegal Mining Activities on Community Health: A community-based study in Kenyasi, Ahafo Region Prince Owusu Adoma (Ghana)
P-0698	Determinants of clean cooking fuels utilization in three peri-urban communities in Ghana: key lessons to inform national policy Theresa Tawiah (Ghana)
P-0700	Main and added effects of heatwaves on hospitalizations for Mental and Behavioral Disorders in a tropical megacity of Vietnam Tran Ngoc Dang (Vietnam)





P-0704	Geospatial modelling of road-traffic noise levels and frequency and the attributable burden of annoyance and sleep disturbance in Accra, Ghana Sierra Clark (UK)
P-0729	Use of insecticide-treated nets and other household insecticides for preventing malaria in six-year-old children in Benin, sub-Saharan Africa Florence Bodeau-Livinec (France)
P-0755	Investigation on sociodemographic and health inequity of greenspace using different greenspace indicators in 3 US urban communities Seulkee Heo (USA)
P-0758	Temperature and cardiovascular hospitalization in persons with and without disabilities: Invisible population in climate change discourse Sera Kim (Korea)
P-0760	Historic redlining and the siting of oil and gas wells in the United States David Gonzalez (USA)
P-0766	Environmental Exposures in a Cohort of Swedish Women – Are there Inequalities by Socioeconomic Status? Lara Stucki (Sweden)
P-0767	Sociodemographic Determinants of PFAS Contamination in United States Community Water Supplies: An Analysis of Sampling Data from 11 States Jahred Liddie (USA)
P-0777	Fine particulate matter component air pollution in American Indian vs. Non-American Indian communities Maggie Li (USA)
P-0785	Modification by Multiple Social Stressors in Air Pollution-CVD Associations Jane Clougherty (USA)
P-0796	Management of the Afghan Refugee Resettlement Crisis and Integration Challenges to Public Health Absaar Ateeq (USA)

16:00-16:30 COFFEE BREAK | POSTER VIEWING

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16:30-18:00	SYMPOSIUM 25: Global perspectives on harmonizing chemical risk assessments: current status and future needs		
	Chaire Dark al Chaffer (IICA) IV at Chraif (Carrie)		

Chairs: Rachel Shaffer (USA), Kurt Straif (Spain)

Towards one substance-one assessment: an analysis of European chemical registration

and environmental risk assessment frameworks Joanke van Dijk (Netherlands)

O-SY-122 Environmental health assessment in the United States

Rachel Shaffer (USA)

O-SY-123 Advancing coordination of systematic review

Kristina Thayer (USA)

O-SY-124 Evaluating chemical hazard on a global scale

Tracey Woodruff (USA)

P Hall Skalkotas

Hall Trianti

O-SY-121

16:30-18:00	ORAL PRESENTATIONS SESSION 46: Environmental health and the COVID pandemic
	Chairs: Barbara Hoffmann (Germany), Marie Pedersen (Denmark)

O-OP-252
Association between long-term exposure to ambient air pollution and COVID-19 severity - A prospective cohort study of confirmed SARS-CoV-2 cases in Ontario, Canada Chen Chen (USA)



O-OP-253	Solving the short-term NO2 exposure and mortality dilemma: a natural experiment during the COVID-19 lockdowns Yiqun Ma (USA)
O-OP-254	COVID-19 national lockdown in morocco: Impacts on air quality and public health Kenza Khomsi (Morocco)
O-OP-255	Urban greenspace and risk of mental illness following the COVID-19 lockdown – Results from the COVICAT-study, Spain Matilda van den Bosch (Spain)
O-OP-256	Changes in health risks of pest control and disinfection workers after the COVID-19 outbreak in South Korea Yun-Hee Choi (Korea)

Hall Multipurpose

16:30-18:00	ORAL PRESENTATIONS SESSION 47: Water quality and health Chair: Jörg Schullehner (Denmark)		
O-OP-257	Socioeconomic vulnerability and public water arsenic concentrations across the US Anne Nigra (USA)		
O-OP-258	Are current drinking water standards for nitrate sufficient for preventing adverse birth outcomes and childhood cancer– Findings from a cohort of over one million children in Denmark Leslie Stayner (Denmark)		
O-OP-259	Private drinking water wells in Denmark: monitoring and predicting nitrate levels Jörg Schullehner (Denmark)		
O-OP-260	Inorganic arsenic in drinking water and breast cancer risk: a case-control study in Northern Chile Estela Blanco (Chile)		
O-OP-261	Microplastic Pollution in Two Urban Rivers and an Associated Water Treatment Plant in Bangladesh Mohammad Enayet Hossain (Bangladesh)		
O-SY-132	Association of arsenic and uranium concentrations in private wells and community water systems with urinary biomarkers in American Indian adults: The Strong Heart Family Study Maya Spaur (USA)		

♥ Hall MC3			
16:30-18:00	ORAL PRESENTATIONS SESSION 48: Health consequences of extreme events Chairs: Amy Padula (USA), Kate Burrows (USA)		
O-OP-263	Heat-related deaths and ambulance transports after typhoon-triggered power outages: a quasi-experimental study in the metropolitan areas of Japan Lisa Yamasaki (Japan)		
O-SY-125	Climate change and health system preparedness: it never rains but it pours Valentina Gallo (Netherlands)		
O-OP-265	Long-term Drought and Diarrhea among Children under Five and the Role of Water, Sanitation, and Hygiene Practices Pin Wang (USA)		
O-OP-266	Wildfire Smoke Exposure During Pregnancy and Preterm Birth in California Amy Padula (USA)		
O-OP-267	The Effects of Hurricane Matthew on Racial Disparities in Birth Outcomes Zachary McCann (USA)		
O-OP-054	Air Pollution, Climate Conditions and Risk of Psychotic Hospitalization in U.S. Residents Xinye Qiu (USA)		





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V Hall WICZ	
16:30-18:00	PECHA KUCHA SESSION 04: Climate change and health Chairs: Antonis Analitis (Greece), Erasmia Bizani (Greece)
O-PK-29	Premature mortality due to temperature changes by 2050 in Chile Luis Abdón Cifuentes (Chile)
O-PK-30	Inclement Weather and Risk of Missing Scheduled Hemodialysis Appointments Hyeonjin Song (USA)
O-PK-31	Wildfire exposure and health care use among people who use durable medical equipment in Southern California Heather McBrien (USA)
O-PK-32	Effect of different heat wave timing on non-accidental mortality in 20 French cities Anna Alari (Spain)
O-PK-33	The impact of weather changes on air quality and health in Brazil Weeberb Réquia (Brazil)
O-PK-34	Associations between short-term ambient temperature exposure and kidney-related diseases in New York State: The influence of exposure spatial resolution and adaptation adjustment Lingzhi Chu (USA)
O-PK-35	Upstream oil and gas infrastructure and wildfire burn areas in the western U.S.: Assessing current and future risks Joan Casey (USA)
O-PK-36	Health impact assessment of climate change mitigation and adaptation policies Dimosthenis Sarigiannis (Greece)
O-PK-37	Long-term exposure to ambient fine particulate elements and leukocyte epigenome-wide DNA Methylation in older men: the Normative Aging Study Cuicui Wang (USA)
O-PK-38	Outdoor air pollution and risk of incident adult hematologic cancer subtypes in a large US prospective cohort W. Ryan Diver (USA)
O-PK-39	Mortality and Morbidity Risk and residential exposure to municipal waste landfills in Italy: the ERAS-2 Lazio project Carla Ancona (Italy)
O-PK-40	Long-term exposure to elemental components of fine particulate matter and natural and cause-specific mortality in a Danish nationwide administrative cohort Rina So (Denmark)

Hall MC3.2

16:30-18:00	ORAL PRESENTATIONS SESSION 49: Impacts of exposure to chemicals on maternal and child health Chair: Stephanie Eick (USA)
O-OP-269	Variability of per- and polyfluoroalkyl substances concentrations among pregnant African American women and newborns Youran Tan (USA)
O-OP-270	Mixtures of persistent and non-persistent chemicals and associations with pregnancy outcomes in the Atlanta African American Maternal Child Cohort Stephanie Eick (USA)
O-OP-271	Mixture analysis of air pollution and endocrine disrupting chemicals in relation to Vitamin D concentrations in pregnancy Kimberly Berger (USA)
O-OP-272	Prenatal exposure to triclosan assessed through repeated urine samples and placental DNA methylation in the SEPAGES cohort Claire Philippat (France)



O-OP-273	Relationships between levels of endocrine-disrupting chemicals and immune markers in maternal circulation during mid-pregnancy Jennifer Ames (USA)
O-OP-274	Urinary phthalate metabolites and phenolics in women of childbearing age and their association with thyroid hormones: a comparison study of fasting status Inae Lee (Korea)

PHall MC3.3

16:30-18:00	ORAL PRESENTATIONS SESSION 50: Child health and metals exposure Chairs: Olda-loanna Kalantzi (Greece), Tzu-Hsuen Yuan (Taiwan)
O-OP-275	Prenatal heavy metals exposure and neurodevelopmental disorders in the Boston Birth Cohort: examining risk and protective factors Giehae Choi (USA)
O-OP-276	Prenatal Trace Metal Exposures and Genetic Variants Inform Birth Weight-related Placental Isoform Expression Maya Deyssenroth (USA)
O-OP-162	Greenspace, air pollution and asthma exacerbations Shilu Tong (China)
O-OP-278	Exposure to a metal mixture is associated with decreased tremor in Italian adolescents Alexa Friedman (USA)
O-OP-279	Associations of Prenatal Metals Exposure with Kidney Injury Biomarkers in Children Maria D. Politis (USA)
O-OP-280	Early pregnancy metal exposure and epigenetic aging biomarkers at birth and in childhood in a US cohort Anne Bozack (USA)

PHall MC3.4

16:30-18:00	ORAL PRESENTATIONS SESSION 51: Air pollution, ultrafine particles, radon and various health outcomes Chairs: Stefania Papatheodorou (USA), Anke Huels (USA)
O-OP-281	Renal function and ambient air pollution at low exposure levels Karl Kilbo Edlund (Sweden)
O-OP-282	Impact of ultrafine particles and total particle number concentration on natural-, cardiovascular, and respiratory mortality in three German cities Maximilian Schwarz (Germany)
O-OP-283	Exposure to ultrafine particles and mortality in the Netherlands Femke Bouma (Netherlands)
O-OP-284	Association between long-term exposure to air pollution and rhinitis and asthma comorbidities in the Constances cohort Marine Savouré (France)
O-OP-285	A prospective cohort study on the association between residential radon exposure and melanoma incidence in Switzerland Seçkin Boz (Switzerland)
O-OP-286	The Association of ventilation device in kitchen with the reported respiratory symptoms of adults Jinliang Zhang (China)





Poster Discussion Area

16:30-18:00	POSTER DISCUSSION SESSION 09: Exposome Health Impact Assessment, Risk communication and Participatory Epidemiology Mechanisms and Molecular Biomarkers Chair: Lida Chatzi (USA)
P-0797	Per and polyfluoroalkyl substances and psychosocial stressors have a joint effect on adverse pregnancy outcomes in the Atlanta African American Maternal-Child cohort Stephanie Eick (USA)
P-0804	Exposomic Analysis of Organic Pollutants in Seminal Plasma and Male Reproductive Parameters Haotian Wu (USA)
P-0813	A multi-environmental media approach to explore the association between metal exposure and the ability to identify smells among school-age children residing in Northern Italy Stefano Renzetti (Italy)
P-0904	Seasonal and spatial patterns of mortality and socio-economic characteristics associated with exposure to air pollution and a lack of green areas Bram Vandeninden (Belgium)
P-0925	Lanthanum, cerium and praseodymium in urban topsoils, an emerging health concern? Antonio Peña-Fernández (UK)
P-0929	Dwelling mouldy area size and current asthma in adults from the French CONSTANCES cohort Tajidine Tsiavia (France)
P-0945	Occupational exposure to benzene and risk of non-Hodgkin lymphoma in Shanghai: an extended follow-up of two population-based prospective cohorts of Chinese women and men Nathaniel Rothman (USA)
P-0948	Estimating the health burden of ambient fine particulate matter in Korea Hyun-Joo Bae (Korea)
P-0966	DNA methylation and aeroallergen sensitization - The chicken or the egg? Anna Kilanowski (Germany)
P-0967	Contribution of gut bacteria to arsenic metabolism in the first year of life in a prospective birth cohort Hannah E. Laue (USA)
P-0976	Prenatal polycyclic aromatic hydrocarbon (PAH) exposure in relation to placental corticotropin releasing hormone (pCRH) in a sociodemographically diverse U.S. cohort Emily Barrett (USA)
P-0995	Maternal DNA Methylation Signatures of Arsenic Exposure is Associated with Adult Offspring Insulin Resistance in the Strong Heart Study Christian Dye (USA)
P-0996	Establishing a method to isolate blood-borne extracellular vesicles derived from microglia: a critical biomarker source for environmental exposure-linked neurotoxicity Tanya Butt (USA)
P-0997	Epigenetic Modulations with BPA and PFOA Exposure Prior to Pubertal Onset in Growing Up Female Cecily Fassler (USA)

Hall Trianti

18:00-18:30 SNRN AWARDS & CLOSING CEREMONY



Poster Presentations Catalogue

TOPIC 01.		P-0014	
Advances in Epidemiology and			confounding by co-exposures to multiple per- and polyfluoroalkyl substances
Statistical Methods			(PFAS)
P-0001	A Machine Learning Exposure Response		Elizabeth Radke (USA)
D 0000	Analysis of the effect of PM2.5 on Myocardial Infarctions Using Regression Adjustment Causal Modeling Joel Schwartz (USA)	P-0015	Measurement error and Regression Calibration method for multiple exposures: a Simulation study within the EXPANSE project Maria-losifina Kasdagli (Greece)
P-0002	Effect of pesticides exposure on oxidative stress and epigenetic changes biomarkers in Czech adults and children from the CELSPAC-SPECIMEn cohort Tomáš Janoš (Czech Republic)	P-0016	Exploiting dose-response trends in registry-based studies for regulatory risk assessment: arsenic in drinking water and congenital heart disease
P-0004	Adjustment for Unmeasured Spatial Confounding in Settings of Continuous Exposure Conditional on the Binary Exposure Status: Conditional Generalized Propensity Score-Based Spatial Matching	P-0017	Christian Ritz (Denmark) Bias amplification and variance inflation in distributed lag models using low spatial resolution data Michael Leung (USA)
P-0005	Honghyok Kim (USA) Counternull sets in randomized	P-0018	Bayesian Linear Regression with Multivariate Prior for the Coefficients
F-0003	experiments Marie-Abele Bind (USA)		and Practical Imputation of Exposure variables Below the Limit of Detection:
P-0008	Performance of Competing Methods for Quantile Regression with Count Data: A Simulation Study with Applications for Environmental Epidemiology Josh Alampi (Canada)	P-0025	An Application to Multiple Metal Exposure and Blood Pressure Throughout Childhood Gabriel Riutort-Mayol (Spain) The Long-term Effect of Fine Dust
P-0009	Time series clustering using self- organizing maps to identify longitudinal pollutant exposure profiles Brittney Marian (USA)		Concentration on Exacerbation of Environmental Diseases for Vulnerable and Susceptible Individuals in South Korea: The Necessity of Personalized
P-0010	Estimating high-dimensional		Standards on Air Quality Index Youhyun Park (Korea)
	heterogeneous treatment effects in the context of climate and health: a case study exploring the role of effect modification in the relationship between	P-0027	Spatially Stratified Controls: A simulation study of pre-term births lan Tang (USA)
	precipitation shocks and diarrheal illness Tarik Benmarhnia (USA)	P-0032	Exploring the role of humidity on heat- health impacts using a risk assessment
P-0011	Bridging differences across cohorts in the relationship between prenatal		framework Sidharth Sivaraj (Switzerland)
	secondhand smoke exposure and birth weight: Transportability of effect estimates in the ECHO consortium Andreas Neophytou (USA)	P-0033	How well can we estimate causal effects with exposome data in the absence of strong a-prior hypotheses? Salome Kakhaia (Netherlands)
P-0012	Does trajectory of ambient air pollutant (PM2.5, NO2) exposure influence cognitive function? A co-pollutant examination using sequence analysis	P-0034	Principal Component Pursuit for Source Apportionment from Block Missing Data: An Application to NYC PM2.5 Data Lawrence Chillrud (USA)
P-0013	Kristina Dang (USA) Is cadmium a risk factor for breast cancer – results from a Mendelian randomization analysis Eva Andersson (Sweden)	P-0037	Generating daily high-resolution gridded meteorological datasets for New York State from 2017-2018 using two-stage downscaling model Shao Lin (USA)

TOPIC 08. COVID-19 AND THE ENVIRONMENT		P-0663	SARS-CoV-2 antibody prevalence and COVID-19 vaccination among industrial livestock operation workers and nearby
P-0637	Attitudes toward COIVID-19 vaccination: cross sectional study in Iraq Ahmed Al-Delaimy (Iraq)		community residents, North Carolina, USA Carolyn Gigot (USA)
P-0640	Differences in Silicone Wristband Exposure Profiles by COVID School Restrictions in Washington State Children Drew Day (USA)	P-0664	Prevalence and predictors of SARS-CoV-2 seropositivity among volunteer firefighters (October 2020 - August 2021) Kaleigh Hinton (USA)
P-0641	Association of short-term air pollution exposure with SARS-CoV-2 infection among young adults in Sweden Zhebin Yu (Sweden)	P-0665	Association of Outdoor and Indoor Environment with Mental wellbeing of Lebanese Mothers during COVID-19: Findings from the Environmental Exposures for Lebanese Infants (EELI) Study
P-0642	To what extend does exposure to air pollutants is linked with death in lung cancer patients with COVID-19 diagnosis? Primary observations by the Cancer Registry of Crete	P-0666	Georges Abi Tayeh (Lebanon) Relationship between meteorological and air quality parameters and COVID-19 in Casablanca region, Morocco Mohamed Khalis (Morocco)
P-0647	Dimitra Sifaki-Pistolla (Greece) Atmospheric particulate matter effects on Sars-Cov-2 infection and its dynamics spreading: a spatio-temporal point process model	P-0667	New York on PAUSE and traffic-related air pollution: quantifying diurnal changes in NO2 due to COVID-19 stay-at-home orders Jenni Shearston (USA)
P-0654	Jacopo Dolcini (Italy) Changes in household use of disinfectant and cleaning products during the first lockdown period in France Emilie Pacheco Da Silva (France)	P-0668	Impact of the COVID-19 pandemic on physical and mental health over time in relation to chronic disease status and urbanicity Warner Van Kersen (Netherlands)
P-0657	A View at the COVID-19 Pandemic under the Light of Socio-economic Inequalities in Rio de Janeiro City, Brazil Maria de Fatima Ebole Santana (Brazil)	P-0669	Long-term exposure to air pollution and COVID-19 mortality and morbidity in Denmark (AIRCODEN) Jiawei Zhang (Denmark)
P-0658	Greenness and adolescents 'mental health after Covid-19 pandemic lockdown: longitudinal perspective Nerea Lertxundi (Spain)	P-0672	Sars-CoV-2 viral load in wastewater and its association with ambient temperature in the Athens, Greece, area Anna Voulgari (Greece)
P-0659	Effects of long-term air pollution exposure on Covid-19 vaccine antibody response and "long-COVID" in a general population cohort (Covicat Study, Catalonia) Manolis Kogevinas (Spain)	P-0673	Covid-19 in Workers of an environmental sanitation company: Overview of cases and impact of a Safety and Health Protocol in a unit with 7,000 Workers. 2020 to 2022 Telma Cassia dos Santos Nery (Brazil)
P-0660	Long-term exposure to ambient air pollution and COVID-19 fatality in Italy Massimo Stafoggia (Italy)	P-0675	Mitigating Indoor Risk of Airborne Infections: the MIRAI project Tommaso Filippini (Italy)
P-0661	Socioenvironmental determinants of maternal mental health during the COVID-19 pandemic: the MOOD-COVID project	P-0676	Investigating links between air pollution, COVID-19 and lower respiratory infectious diseases – A review Heather Walton (UK)
P-0662	Maria Foraster (Spain) Antibody response to COVID-19 vaccines among workers with a wide range of exposure to per- and polyfluoroalkyl substances Appa Porter (USA)	P-0677	Associations of air pollution with COVID-19 test positivity, hospitalisations, and mortality: observational evidence from UK Biobank Charlotte Sheridan (UK)

Anna Porter (USA)

P-0681 P-0682	Multi-strain integrated modelling for COVID-19 Dimosthenis Sarigiannis (Greece) Associations of greenspace, including	P-0835	Horizon Shielding Factor: A Measure to Assess UV Exposure in Different Microenvironments John Bolte (Netherlands)
P-0686	private residential gardens, with COVID-19 laboratory-confirmed positive test, hospitalisation and mortality in UK Biobank Charlotte Roscoe (USA) Assessing COVID-19 Outcomes Among	P-0837	Coordinated Program of Research on Multi-Pathway Community Exposures Associated with Unconventional Oil and Gas Development Anna Rosofsky (USA)
	People Living Near Oil and Gas Wells in California Helena Archer (USA)	P-0838	A large-scale personal monitoring of air pollution during pregnancy in the BiSC cohort loar Rivas (Spain)
TOPIC EXPOS	: 13. SURE ASSESSMENT	P-0840	High Resolution and Spatiotemporal Place-Based Computable Exposures at Scale
P-0817	Within-city variation in ambient carbon monoxide concentrations: Leveraging low-cost monitors in a spatiotemporal modeling framework Jianzhao Bi (USA)	P-0842	Erika Rasnick (USA) Personal exposure to black carbon in Stockholm, Sweden, compared to fixed- site monitoring and dispersion modelling Tom Bellander (Sweden)
P-0821	Solar and Geomagnetic Activity Enhance the Effects of Air Pollutants on Atrial Fibrillation	P-0845	Using mobile monitoring to map air pollution: A practical review Jules Kerckhoffs (Netherlands)
P-0825	Petros Koutrakis (USA) Occurrence and spread of antibiotic-resistant enterococci in pork processing plants Anna Ławniczek-Wałczyk (Poland)	P-0848	Exposure Errors due to Inaccurate Residential Addresses and their Impact on Epidemiological Associations: Evidence from a National Neonate Dataset
P-0828	A validated analytical method for biomonitoring the mycotoxins exposure in urine Manuel Lozano (Spain)	P-0851	Ruthie Harari-Kremer (Israel) Application of hybrid modelling techniques in the assignment of estimates of personal exposure to
P-0829	Influence of genetic polymorphisms on arsenic methylation efficiency during pregnancy Raquel Soler-Blasco (Spain)	P-0853	ambient air pollution: the MELONS study Dylan Wood (UK) Spatio-temporal Land Use Regression Modelling of PM2.5 Levels in Athens,
P-0830	The Role of Solar Activity in Endothelial Activation and Inflammation in the NAS Cohort	P-0855	Greece Vasiliki Grigoriadou (Greece) Application of low-cost, commercially
P-0832	Jessica Schiff (USA) Creating an ontology of environmental exposure that captures the main components of epidemiological research papers Csilla Vamos (Netherlands)	P-0858	available, wearable particulate matter sensors: a comparison John Bolte (Netherlands) 2-Dimensional Benchtop X-ray Fluorescence Approaches to Exposure
P-0833	Assessing unconventional oil and gas exposure in the Appalachian Basin: Comparison of exposure surrogates and drinking water measurements in Ohio	P-0859	Assessment Aaron Specht (USA) Measuring the commuter exposure to air pollution in Lyon
P-0834	and Pennsylvania Cassandra Clark (USA) Predicting fine-scale daily NO2 over Mexico City using an ensemble modeling approach Mike He (USA)	P-0860	Marie Ramel-Delobel (France) Comparing air quality guidelines of fine particulate matter (PM2.5) on excess mortality: a country-wide small-area assessment in Great Britain Rochelle Schneider (Italy)

P-0861	Acquisition and Analysis of Crowd- Sensed Traffic Data at Multiple Spatial Scales	P-0878	Effects of exposure to noise, PM2.5 and NO2 on emotional well-being during daily travel
P-0862	Jenni Shearston (USA) Agreement between mothers and sons in early life exposures assessment in a multicentric case-control study investigating risk factors of testicular germ cell tumors in young adults (TESTIS study)	P-0880	Huyen Le (USA) Environmental determinants of serum selenoproteins concentrations and composition in the Aragon Workers Health Study - SelenOmics project Zulema Rodriguez-Hernandez (Spain)
P-0863	Astrid Coste (France) Reliability of low-mass toenail samples as biomarkers of chronic metal exposure	P-0881	Determinants of agricultural pesticide concentrations in homes located in wine-growing areas Raphaëlle Teysseire (France)
P-0865	Joyce Lin (USA) Linking subject-specific environmental exposures to individual cohort data: an example with the UK Biobank Jacopo Vanoli (UK)	P-0882	Aircraft noise and cardiovascular disease hospitalization and mortality near major airports in the United Kingdom Anna Hansell (UK)
P-0866	Predictors of dietary intake of acrylamide in pregnancy and teenage life - A Danish Birth Cohort Food Frequency Questionnaire Study Marie Pedersen (Denmark)	P-0884	Optimization and Process Design Tools for estimation of weekly exposure to air pollution integrating travel patterns during pregnancy Valentin Simoncic (France)
P-0869	Evaluating Predictions of ELAPSE and Google Air View-based Mixed-effects LUR Models for Air Pollution in Copenhagen, Denmark Heresh Amini (Denmark)	P-0887	Rapid bioanalytical screening for the assessment of internalized exposure to Polycyclic Aromatic Hydrocarbons in clinical samples of Florida Firefighters Alexia Lydia Kafkoutsou (USA)
P-0870	Analysis of chlorinated volatile organic compounds in exhaled breath using Proton Transfer Reaction Time-of-Flight Mass Spectrometry (PTR-TOF-MS)	P-0889	Environmental urban exposure to rubidium in a healthy group of Spanish adolescents Antonio Peña-Fernández (UK)
P-0871	Jung Hyun Lee (USA) Vegetation Index Processing and Implications for Calculating Greenness in Population Health Studies Kelvin Fong (Canada)	P-0890	Estimating spatiotemporally resolved PM2.5 concentration across the contiguous United States using Super learning Alexandra Shtein (Israel)
P-0872	Metal contaminants in river water and human urine after an episode of major pollution by mining wastes in the Kasai province of DR Congo Rémy Mpulumba Badiambile (Congo-	P-0891	The use of snapshot personal exposure monitoring in estimating annual exposure to air pollutants for epidemiological studies Benjamin Barratt (UK)
P-0873	Kinshasa) Children's exposure to bisphenols, phthalates and non-phthalate plasticizers in Poland Mercè Garí (Spain)	P-0892	Assessing exposure to pesticides with short biological half-lives: Use of a repeated longitudinal biomonitoring strategy to estimate glyphosate exposure during pregnancy
P-0875	Review of air pollution monitoring designs in new monitoring paradigms for epidemiology Sun-Young Kim (Korea)	P-0894	Cynthia Curl (USA) Particulate Matter (Pm2.5) concentration among hypertensives primary cooks in Obuasi Municipality, Ghana Theresa Tawiah (Ghana)
P-0876	Representativeness of the 2010 EPA PM Monitoring Site Locations to the US Population Meredith Pedde (USA)	P-0895	Radon Exposure to Community Members Living Near a Uranium Procession Plant Susan Pinney (USA)

P-0900

The LIFE Index-Air integrated exposure dose management tool for the reduction
of PM pollution and the protection
of public health - Development and
implementation in 5 European Cities
Evangelia Diapouli (Greece)

TOPIC 19. REPRODUCTIVE OUTCOMES - PART A

- P-1218
 Young women's reproductive and health
 effects from the Chernobyl nuclear
 accident: a qualitative historical study
 Julie Cwikel (Israel)
- P-1221 Extending non-targeted exposure discovery of environmental chemical exposures during pregnancy and their association with pregnancy complications

 Jessica Trowbridge (USA)
- P-1222 Agricultural Pesticides During Pre-Conception and Pregnancy, and Associations With Extremely Preterm Birth: a Pesticide-Wide Association Study Melissa Furlong (USA)
- P-1223 Perinatal morbidity and mortality associated with reductions in household air pollution: results from Poriborton:the CHANge trial

 Camille Raynes-Greenow (Australia)

TOPIC 20. RESPIRATORY DISORDERS IN CHILDREN/ ADULTS

- P-1224 Comparison of factors affecting parameters of pulmonary function test between Taiwan and UK
 Ke-ting Pan (Taiwan)
- P-1225 Phthalate Exposures and Oxidative/
 Nitrosative Stress among Childhood
 Asthma: A nested Case-Control Study
 with Propensity Score Matching
 Jung-Wei Chang (Taiwan)
- P-1226
 Longitudinal assessment of maternal depression and later life childhood asthma and wheeze: effect modification by child sex

Maria José Rosa (USA)

P-1228 Early life exposure to PM_{2.5} and lung function: A pooled analysis from two North American longitudinal pregnancy cohort studies

Maria José Rosa (USA)

P-1230 Early-life exposure to ambient air pollution and asthma in the children of the Danish National Birth Cohort – Does asthma definition and adjustment for cohort-specific covariates matter?

Marie Pedersen (Denmark)

P-1233

Decoupling race/ethnicity from pediatric lung function metrics to investigate potential misclassification bias in environmental epidemiologic research Matthew Bozigar (USA)

P-1235 Effects of short- and long-term air pollution exposure on the course of idiopathic pulmonary fibrosis
Konstantina Dimakopoulou (Greece)

P-1236 Toenail metal concentrations and lung function among residents living near urban oil site

Arbor Quist (USA)

P-1237 The environmental factors for different seasonal attack patterns in asthmatic children
Yi-Sheng Yang (Taiwan)

P-1242 Respiratory diseases caused by anthropogenic activities in children and adults of rural communities of Brazil. Review of epidemiological status following fuel policy changes

Claudia Ribeiro Pereira Nunes (Spain)

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TOPIC CHILD P-0411	Association of lifestyle factors with per- and polyfluoroalkyl substance (PFAS) concentrations in breast milk of Korean mothers Ju Hee Kim (Korea)	P-0430	schoolchildren exposed to pesticides: a qualitative analysis of their experiences and testimonies María Teresa Muñoz-Quezada (Chile) Exploring blue spaces' effects on childhood leukaemia inci-dence: A
P-0413	Building Characteristics and Bioaerosols' Size Distribution as Predictors of Respiratory morbidities among Elementary School Pupils in Nigeria Oyewale Mayowa Morakinyo (Nigeria) Environmental noise effect on 11 year old children sleep quality: a DAG model	P-0432	environmental pollutants on birth weight and weight gain during the first six months of life
P-0417	Ane Arregi (Spain) Birth Cohort of Environmental Exposure and Childhood Development - PIPA Project - Rio de Janeiro, Brazil Carmen Fróes Asmus (Brazil)	P-0433	Ana Natividade (Brazil) Exposure to ambient ultrafine particles and allergic sensitization in children up to 16 years Femke Bouma (Netherlands)
P-0418	Child Health Cohort Study. "Bruminha project" Carmen Fróes Asmus (Brazil) Prenatal Exposure to Metals and Neurodevelopment in Infants at Six	P-0434	Exposure to endocrine-disrupting chemical mixture and IQ at 4-6 years of age: in Mother and Children's Environmental Health study (MOCEH study) Dajeong Ham (Korea)
P-0420	Months: Rio Birth Cohort Study of Environmental Exposure and Childhood Development (PIPA Project) Monica Seefelder De Assis Araujo (Brazil) Identifying critical windows of perinatal	P-0435	Exposure to greenspace and bluespace in relation to cognitive functioning in children and adolescents - A systematic review Dorota Buczyłowska (Poland)
P-0421	lead exposure for serum antibody levels following childhood vaccination Elena Colicino (USA) Effects of air pollution exposure	P-0436	Unconventional oil and gas exposure and risk of childhood leukemia in Pennsylvania Cassandra Clark (USA)
	predicting sleep efficiency in children modified by exposure to violence, 4-7 years, in the PROGRESS birth cohort Terry Thompson (USA)	P-0437	Early-life exposure to per- and polyfluoroalkyl substances and gut microbial composition Hannah E. Laue (USA)
P-0423	Pre and postnatal exposure to mercury and sexual development in 9-year-old children in Spain: The role of brain-derived neurotrophic factor Sabrina Llop (Spain)	P-0438	Investigation of the relationship between multiple environmental exposures and pediatric obesity in a national cross-sectional study of Canadian children Eric Lavigne (Canada)
P-0424 P-0425	Short-term nitrogen dioxide exposure and asthma emergency hospital admissions in children: a case-crossover study in England Weiyi Wang (UK) Pediatric Anxiety and Daily Fine	P-0446	Associations between prenatal and early-life air pollution exposure and lung function in young children: exploring influential windows of exposure on lung development
P-0429	Particulate Matter: A Longitudinal Study Andrew Vancil (USA) Early-Life Stages Human Health Risk	P-0447	Andreas Neophytou (USA) Seasonal attack patterns in childhood atopic dermatitis are related to different
	Assessment of toxic and assential metals		environmental factors

Assessment of toxic and essential metals

in Rice and Rice-Based Baby Foods

Mom Tatah Mentan (USA)

environmental factors
Yi-Sheng Yang (Taiwan)

POSTER AREA B

POSTERS ONSITE | MONDAY, 19 SEPTEMBER 2022

P-0453	Prenatal exposure to persistent organic pollutants and early child growth: a pooled analysis in two Belgian birth campaigns	P-0468	Associations of a metal mixture with neuromotor function in a cross-sectional study of Italian adolescents Alexa Friedman (USA)
P-0455	Anran Cai (Netherlands) Ambient ozone exposure and bone turnover markers in children: Results from the GINIplus and LISA birth cohorts	P-0469	Fetal exposure to cannabis, neonatal adiposity, and postnatal growth trajectories: The Healthy Start study Brianna Moore (USA)
P-0457	Tianyu Zhao (Germany) Prenatal manganese and working memory in school-aged children in Mexico City: A multi-media biomarker	P-0472	Association between Air Pollution, Stress, and Sleep Efficiency in 6 -7 year old Children living in East Harlem Terry Thompson (USA)
	approach Jamil Lane (USA)	P-0473	Life after discharge from Pediatric Intensive Care Units: Long-term effects of
P-0458	Maternal urinary phthalate metabolites during pregnancy and thyroid function: The MAKE Study		air pollution on re-hospitalization rates in fragile children Elisa Gallo (Italy)
P-0459	Byungmi Kim (Korea) Exposure to mixtures of phenols, phthalate metabolites, parabens, and pesticide and BMI and lipid profiles in adolescents age 12-18 po	P-0474	Comprehensive exploration of interactions between persistent organic pollutants and nutritional biomarkers on birth weight German Cano-Sancho (France)
P-0460	Bomi Park (Korea) The association between exposure to mixture of phenols, phthalate metabolites, and persistent organic	P-0475	Early pregnancy phthalate and phthalate alternative metabolites in relation to fetal cardiac development Danielle Stevens (USA)
	pollutants with insulin resistance in children Bomi Park (Korea)	P-0476	Environmental Noise Exposure During Pregnancy and Childhood and Embryonic and Fetal Growth: the
P-0462	Maternal and child exposure to organophosphate ester mixtures and		Generation R Study Esmée Essers (Netherlands)
D 0462	child neurobehavior Zana Percy (USA) Children's average and risks to the	P-0477	As safe as houses; the risk of childhood lead exposure from housing in England
P-0463	Children's exposure and risks to the rare earth elements of gadolinium and yttrium in Alcalá de Henares (Spain) Antonio Peña-Fernández (UK)	P-0478	Helen Crabbe (UK) Description of children's chemical exposome and possible determinants of exposure based on hair analysis
P-0464	Monitoring lanthanum and praseodymium in Spanish children's hair	P-0483	Alba Iglesias-González (Luxembourg) Indoor Air Quality in Classrooms Before
P-0465	Antonio Peña-Fernández (UK) Associations of Maternal Urinary Arsenic Concentrations during Pregnancy with Infant and Child Mental, Psychomotor, and Cognitive Development: The HOME		and During the COVID-19 Pandemic: Lessons Learned from the Health Effects of Lebanese Schools Indoor Environment (HELSIE) Study Emile Whaibeh (Lebanon)
	Study Antonio José Signes Pastor (Spain)	P-0484	Exposure to Green Spaces and Multiple Child Health Outcomes: a preliminary
P-0466	Ultraviolet radiation exposure in children, behavioral factors associated with measured doses and seasonality		meta-analysis from 11 European Birth Cohorts Amanda Fernandes (Spain)
P-0467	Ben Spycher (Switzerland) Gestational exposure to phthalates and phthalate replacements in relation to neurodevelopmental delays in early childhood	P-0485	Prenatal exposure to multiple persistent organic pollutants and adiposity markers and blood pressure in 12-year-old children
	Ciliuliood		Charline Warembourg (France)

Seonyoung Park (USA)

P-0486	In utero exposure to tobacco smoke and reproductive health related markers in children: Evidence from the Rhea motherchild cohort, Crete, Greece	P-0507	Adherence to Mediterranean diet and metal exposure during childhood in the INMA study Leyre Notario (Spain)
	Vicky Bempi (Greece)	P-0508	Exposure to Pesticides and Respiratory
P-0487	Prenatal air pollution exposure and childhood obesity: Effect modification by maternal fruits and vegetables intake		Health Outcomes in Children Residing in Imperial Valley, CA Yoshira Ornelas Van Horne (USA)
P-0488	Katerina Margetaki (Greece) Prenatal exposure to mixtures of non-persistent endocrine disrupting chemicals and respiratory health in children from the Rhea birth cohort study,	P-0510	Prenatal exposure to traffic-related air pollution and childhood acute leukaemia in France - GEOCAP Birth 2010-2015 Stéphanie Goujon (France)
	Greece	P-0512	Residential green space improves
P-0489	Theano Roumeliotaki (Greece) Assessing the Effect of Heavy Metal Exposures on Pediatric Tuberculosis Pohnuma Hague (Rangladosh)		cognitive performances in primary schoolchildren independent of traffic-related air pollution exposure
P-0492	Rehnuma Haque (Bangladesh) Prenatal and postnatal exposure to		Esmée Bijnens (Belgium)
	ambient air pollution and cognitive function in school-age children in France Ariane Guilbert (France)	P-0513	Strengthening the global role of environmental epidemiology in the Respiratory Diseases Exploratory: Analysis of Age in the Diagnosis of Asthma in
P-0493	Ambient air pollution and body-mass index from infancy to later childhood in		Brazil, 2019
	10 European birth cohorts Serena Fossati (Spain)	P-0522	Telma Cassia dos Santos Nery (Brazil) Factors effecting inflammatory-based diseases anxiety and atopy in Australian
P-0494	Ambient air pollution and inflammation- related proteins during early childhood Shizhen He (Sweden)		children Nicholas Osborne (Australia)
P-0496	Individual and joint associations between prenatal polycyclic aromatic hydrocarbon exposure and asthma at age 8-10 in a multi-site longitudinal study Allison Sherris (USA)	P-0525 P-0527	Associations of prenatal exposure to outdoor PM2.5 and NO2 with childhood respiratory symptoms Alan Ricardo Patlán-Hernández (France) The NeuroTox study - Investigating
P-0497	Parental arsenic exposure and DNA methylation in Bangladeshi infants with spina bifida		in-utero exposures to environmental toxicants and neurodevelopment Adriano Winterton (Norway)
	Gwen Tindula (USA)	P-0529	Adverse Birth Outcomes Related to NO2
P-0500	Associations of prenatal ambient air pollution exposures with asthma in middle childhood		and PM Exposure: European Systematic Review and Meta-Analysis Valentin Simoncic (France)
	Marnie Hazlehurst (USA)	P-0530	A study protocol to explore the social
P-0501	Association of maternal fluoride exposure during pregnancy with increased size at birth and the potential mediation effect by maternal thyroid hormones: the Swedish NICE birth cohort		effects of environmental exposure and lifestyle behaviours on adverse pregnancy outcome: an overview of pregnant women cohort study Valentin Simoncic (France)
P-0503	Mariza Kampouri (Sweden) Association between short-term avacuure to ambient air pollution and	P-0531	Effect of toenail metal concentrations on thyroid function in Bangladeshi children Maria Argos (USA)
	exposure to ambient air pollution and cognitive interference: evidence from the Environment and Development of Children cohort Jiawei Zhang (Denmark)	P-0532	A 40-year follow-up study of liver cancer risk in Taiwan: An age-period-cohort analysis and joinpoint regression analysis Hsiao-Yu Yang (Taiwan)

POSTER AREA B

POSTERS ONSITE | MONDAY, 19 SEPTEMBER 2022

P-0535	Blood mercury levels of Brazilian preschool children and associated risk factors Fernanda Salles (Brazil)	P-1016	stressors in pregnancy and postpartum depression: A meta-analysis of 11 European birth cohorts
P-0539	Changes of heavy metals in Korean pregnant women and cord blood from 2006 to 2018 in MOCEH and KoCHENS Kyoung Sook Jeong (Korea)	P-1017	Marie Pedersen (Denmark) Long-term exposure to air pollution and traffic noise and incidence of mental disorders: a large administrative cohort
P-0544	Tetrachloroethylene exposure and neurobehavioral performance among		of adults Federica Nobile (Italy)
	children living in a small community with multiple contamination sites Sa Liu (USA)	P-1018	Exposure to phthalates, non-phthalate plasticizers and bisphenols and neurodevelopmental outcomes in school
P-0545	Gestational and Early Life Risk Factors for Childhood Food Allergies Despina Karalis (USA)		age children from Poland Kinga Polanska (Poland)
P-0547	Characterization of the External Exposome and its Contribution to the Clinical Respiratory and Early Biological Effects in Children: PROMESA cohort in Colombia	P-1020	Prenatal Exposure to Tailpipe and Non- Tailpipe Particulate Matter Pollution and Autism Spectrum Disorders Md Mostafijur Rahman (USA)
TOPIC	Diana Marcela Marin Pineda (Colombia)	P-1023	Age Acceleration is Associated with Reduced Cognitive Function in Older Men: Results from the Normative Aging
	OBEHAVIORAL CHANGES IN		Study Diddier Prada (USA)
_	PREN/ADULTS	P-1024	Higher surrounding green space is
P-1001	Maternal Urinary Fluoride levels during pregnancy and ADHD symptoms during childhood	1024	associated with better attention in Flemish adolescents Esmée Bijnens (Belgium)
	Jesus Ibarluzea (Spain)	P-1025	Does low-level cadmium exposure affect
P-1003	Fetal exposure to cannabis and childhood behavior at age 5 years: The Healthy Start study		cognitive functions? Results from the Malmö Diet and Cancer Study Gunilla Wastensson (Sweden)
	Brianna Moore (USA)	P-1026	Behavioral and Emotional Outcomes in
P-1005	Childhood exposure to per- and polyfluoroalkyl substances and neurodevelopment in the CHARGE case-		a Cohort of Healthy Young Adults Before and After the COVID-19-related Lockdown Alessandra Patrono (Italy)
	control study Hyeong-Moo Shin (USA)	P-1027	Real-life panel study on the associations between electromagnetic fields (RF-
P-1008	Topological network properties of resting- state functional connectivity patterns are associated with metal mixture exposure		EMF) from mobile phones and cognitive performance, sleep, and health-related quality of life
	in adolescents Azzurra Invernizzi (USA)		Marloes Eeftens (Switzerland)
P-1012	Maternal exposure to life events, daily stressors and green spaces during pregnancy is associated with changes	P-1028	Prenatal exposure to polycyclic aromatic hydrocarbons and cognition in preschool-aged children Christine Loftus (USA)
	in NR3C1 and IGF2/H19 ICR methylation patterns three decades later Stijn Vos (Belgium)	P-1030	Developmental language disorders in preschool children after high exposure
P-1014	Prenatal, early-life, and childhood exposure to source-specific air pollution and behavioural problems in the ALSPAC		to perfluoroalkyl substances from contaminated drinking water in Ronneby, Sweden Charlotte Stübner (Sweden)
	cohort Vingvin Chon (IIV)		Chanone stubilet (swedert)

Yingxin Chen (UK)

- P-1032 Joint Associations of phthalates with P-1198 The association between metals, vitamin social responsiveness in Singaporean D and preterm birth in the MIREC Cohort Children and potential effect Study modification by child sex and folate Mandy Fisher (Canada) levels: Growing Up in Singapore Towards P-1200 Internal exposure levels of persistent healthy Outcomes organic pollutants, ovarian function Youssef Oulhote (USA) and in vitro fertilization outcomes: a P-1033 Meta-analysis of head trauma and multipollutant analysis subsequent risk of brain cancer German Cano-Sancho (France) comparing R and Stata statistical Per- and polyfluoroalkyl substances in P-1202 packages early to mid-pregnancy and gestational David F Goldsmith (USA) diabetes mellitus: A multi-racial/ethnic longitudinal study **TOPIC 19.** Assiamira Ferrara (USA) **REPRODUCTIVE OUTCOMES - PART B** P-1204 **Longitudinal Associations between Air** Pollution and Angiogenic Factors among O-SY-131 Reproductive health diseases among **Pregnant Women** South Korean workers: the propensity Hui Hu (USA) score matching approach P-1205 Associations of blood cadmium, Kayoung Park (Korea) lead, and mercury levels with age of P-1176 Association between ambient air pollution menarche, menopause, and reproductive and polycystic ovarian syndrome: A 2010lifespan of Korean women: KNHANES 2019 national populational-based cohort 2008-2017 study in Korea Suhyun Park (Korea) Ju Hee Kim (Korea) P-1206 Adverse neonatal outcomes among Cumulative risk assessment of phthalates P-1183 high-risk pregnant women in the State of exposure for recurrent pregnancy Rondônia, Amazon, Brazil loss in reproductive-aged women Rafael Buralli (Brazil) population using multiple hazard indices approaches P-1207 Po-Chin Huang (Taiwan) during in vitro fertilization P-1184
- **Associations between Gestational Exposure to Air Pollution and Maternal** Vitamin D Levels Akhgar Ghassabian (USA)
- P-1187 Relationship between PM2.5 and low birth weight infant in Ho Chi Minh City: a spatial nested case control study Tran Ngoc Dang (Vietnam)
- Disentangling the influence of P-1190 temperature and season on weekly birth rates in Vienna, Austria Hanns Moshammer (Austria)
- P-1192 Traffic-related air pollution and fetal growth in Eastern Massachusetts, USA Michael Leung (USA)
- Traffic-related air pollution and birth P-1194 weight: the roles of noise, placental function, green space, physical activity, and socioeconomic status (FRONTIER) Payam Dadvand (Spain)
- A comparison of the systematic reviews P-1195 and meta-analyses conducted to explore the effect of air pollution exposure during pregnancy and the risk of preterm birth Shawn Lee (UK)

- Associations between follicular fluid trace elements and ovarian reserve Michael Bloom (USA)
- P-1208 Associations between Preterm Birth and Wastewater Injection-Induced Earthquakes in Oklahoma Maggie Li (USA)
- P-1209 **Associations between Residential** Proximity to Major Roads and Semen Quality: Results from a North American **Preconception Cohort Study** Mary Willis (USA)
- P-1210 Drinking Water Arsenic, Hemoglobin, and Anemia among Pregnant Women in Rural Northern Bangladesh Tyler Smith (USA)
- P-1212 Urinary paraben and phenol concentrations driving markers of inflammation among pregnant women in **Puerto Rico** Savannah Sturla (USA)
- P-1216 Prenatal exposure to heavy metal mixtures and anthropometric birth outcomes Tal Michael (Israel)

TOPIC AGINO	02. S AND ENVIRONMENT	P-0063	Urinary Zinc and Incident Diabetes: Prospective Evidence from the Strong Heart Study
P-0039	Association of residential road proximity with cognitive decline and dementia: The Atherosclerosis Risk in Communities (ARIC) Study Melinda Power (USA)	P-0065	Marta Galvez-Fernandez (USA) Associations between personal fine particulate matter elemental constituent mixtures and blood lipid profiles: A panel study in Chinese people aged 60-69
P-0041	The role of polygenic susceptibility on air pollution-associated asthma between Caucasian and Asian elderly women Sara Kress (Germany) Association of long-term exposure to ambient air pollution with retinal	P-0072	years Jiaonan Wang (China) Associations of long-term exposure to community noise and traffic air pollution with cause-specific morbidities in older adults
P-0046	neurodegeneration on optical coherence tomography: the prospective Alienor study Laure Gayraud (France) Ambient air pollution, cardiovascular	P-0079	Meng Wang (USA)
	burden, and incident depression among older adults Jing Wu (Sweden)	P-0080	Miranda Jones (USA) Association of Tobacco Exposure and Biomarkers of Tobacco Exposure with
P-0049	Potential modifying factors for the older people feeling cold/warm in the English dwellings Shih-Che Hsu (UK)		Frailty Among US Older Adults: the 2007-2018 National Health and Nutrition Examination Survey (NHANES) Molly Schwalb (USA)
P-0051	Associations between short-term air pollution and temperature and markers of arterial stiffness and central hemodynamics in an elderly population Adjani Peralta (USA)		05. IICAL EXPOSURES – PART A Systematic Evidence Map of the
P-0053	Health promoting environments for an ageing population: A register and GIS-study of associations between urban		Epidemiological Evidence for Health Effects of Ethylbenzene Rachel Shaffer (USA)
	greenness and formal social services in Sweden Anna Axmon (Sweden)	P-0325	Prenatal exposure to POPs mixtures and DNA methylation alterations in multiple tissues at birth
P-0054	Factors associated with middle-aged adult obstructive lung function deficits in the grass pollen season N. Sabrina Idrose (Australia)	P-0328	Ashley Song (USA) Per- and polyfluoroalkyl substances (PFAS) in serum of 2- to 5-year-old children: temporal trends, determinants,
P-0055	Lack of association between air pollutants and telomere length: findings from the UK Biobank study		and correlations with maternal PFAS concentrations Hyeong-Moo Shin (USA)
P-0057	Anna Hansell (UK) Association between climate and skin aging: A cross-sectional analysis from three metropolitan cities of India Nidhi Singh (Germany)	P-0334	Determinants of urinary phthalate biomarker concentrations in pre- and perimenopausal women with consideration for race Brad Ryva (USA)
P-0062	Differential association of metabolomic patterns with bone mineral density and fractures by metal exposure biomarker levels in The Hortega Study Marta Galvez-Fernandez (USA)	P-0337	Aerosols in 3D Printing - Measurement of Emissions and Estimation of Body Deposition Chungsik Yoon (Korea)

P-0344	Demographic differences in chemical mixture exposure and associated determinants among Swedish adolescents Sebastian Pineda (Sweden)	P-1040	A Nested Case-Control Study of Serum Per- and Polyfluoroalkyl Substances and Testicular Germ Cell Tumor Risk in U.S. Air Force Personnel Mark Purdue (USA)
P-0356	Associations between prenatal exposure to endocrine disrupting chemicals and play behavior in 7-year-old children in the SELMA study Fatih Özel (Sweden)	P-1041	Associations Between First Trimester Particulate Matter Exposure and Blood Pressure During Pregnancy Miatta Buxton (USA)
P-0363	Perfluoroalkyl chemicals and mortality: an exploratory analysis using NHANES 1999-2014 Ram Siwakoti (USA)	P-1042	Lung cancer and annual mean exposure to outdoor air pollution in Crete, Greece. Reflections from a two decades big- database Dimitra Sifaki-Pistolla (Greece)
P-0364	Relations of urinary volatile organic compound metabolites with inflammation and immune response Clara Sears (USA)	P-1043	Environmental Exposures Associated with Amyotrophic Lateral Sclerosis (ALS) Paul Mehta (USA)
P-0367	Breast Cancer Incidence is Associated with Uranium Exposure in a Population Living Near a Uranium Refinery Susan Pinney (USA) Tampons as a source of exposure to	P-1044	Effects of low-level environmental mercury on thyroid cancer risk and red blood cell indices among residents living near national industrial complexes in South Korea: A population-based cohort study
	metals among reproductive-aged Black		Seyoung Kim (Korea)
P-0397	women Jenni Shearston (USA) Association between prenatal exposure to organophosphate flame retardants and thyroid hormone levels in diverse	P-1045	Machine learning to evaluate mixtures of circulating levels of 42 environmental contaminants to predict incident diabetes Lars Lind (Sweden)
P-0398	pregnancy cohorts Jessica Trowbridge (USA) Human health risks of gadolinium contamination in urban and rural soils	P-1046	Multiple environmental contaminants and diabetes - Results from two population based studies Monica Lind (Sweden)
	across Leicestershire (UK) Antonio Peña-Fernández (UK)	P-1047	The Causal Relationship Between
	COMMUNICABLE DISEASES IDING CANCER, CARDIO-		Radiofrequency-Electromagnetic Radiation from Wireless Phones and Brain Tumor, Part 1: A Systematic Review for Possible Biases and Confounding Jinyoung Moon (Korea)
METAE	BOLIC AND NEUROLOGICAL	P-1048	The Causal Relationship Between
	Prevalence of overweight and obesity and associated risk factors among pupils in primary schools in northern Iraq: a cross-sectional study Ahmed Al-Delaimy (Iraq) Clinical-environment characteristics		Radiofrequency-Electromagnetic Radiation From Wireless Phones and Brain Tumor, Part 2: A Meta-Analysis of Current Literature Using Crude Proxies for RF-EMR Exposure Assessment Jinyoung Moon (Korea)
P-1037	among Brazilian women diagnosed with benign breast disease llce Ferreira Da Silva (Brazil) Phthalates/replacements are associated	P-1049	The Causal Relationship Between Radiofrequency-Electromagnetic Radiation From Wireless Phones and Brain Tumor, Part 3: The Brain Tumor Incidence Trends in South Korea and a
	with maternal second-trimester glucose homeostasis and lipid-related metabolic factors		Systematic Review of Nationwide Natural Experiment Results Jinyoung Moon (Korea)

Diana Pacyga (USA)

Jinyoung Moon (Korea)

P-1051	Systematic review and meta-analysis of studies of exposure to wood smoke from cooking or heating and lung cancer Ruth Lunn (USA)	P-1080	sunburns and sun protection behaviors among children: A nationwide cross- sectional survey in Switzerland
P-1052	Noise-induced hearing loss and obesity: a bidirectional Mendelian randomisation study Yiyan He (Finland)	P-1083	Astrid Coste (France) Association between selenium species and hippocampal volume in subjects with mild cognitive impairment
P-1053	Exposure to PM2.5 could affect the severity of major depressive disorder: preliminary results from the DeprAir project Michele Carugno (Italy)	P-1088	Tommaso Filippini (Italy) Association between long-term ambient air pollution exposure and handgrip strength change in the French
P-1057	Rail traffic noise-induced nocturnal awakenings might lead to depression and anxiety disorder – Results of the	P-1089	CONSTANCES cohort Emilie Burte (France) Associations between per- and
P-1059	Leipzig LIFE cohort study Andreas Seidler (Germany) Prevalence of inattention and	P-1009	polyfluoroalkyl substances and liver transient elastography measures in U.S. adults
	hyperactivity symptoms in children from the INMA cohorts of Gipuzkoa, Sabadell, and Valencia	P-1090	Youssef Oulhote (USA) Assessing the critical windows and aggregations of air pollution exposure on
P-1063	Leire Luque García (Spain) Residential exposure to solar ultraviolet radiation and risk of childhood		metabolic biomarkers in atherosclerotic patients Kexin Zhu (USA)
	hematological malignancies in Switzerland: a nationwide census-based cohort study Christian Kreis (Switzerland)	P-1091	Cardiometabolic, kidney, and thyroid markers and conditions in three Australian communities living with
P-1065	Short-term effects of exposure to ultrafine particles and black carbon on cause-specific morbidities in older adults in		environmental per- and polyfluoroalkyl substances contamination Nina Lazarevic (Australia)
P-1067	New York State Kexin Zhu (USA) The influence of air pollution exposure on	P-1097	Comparison of Carcinogenic Risk from Inhalation Exposures in Industrial and Non-Industrial Areas
	the association between active mobility and long-term health outcomes: A systematic review Damian Chandia-Poblete (Australia)	P-1099	Vitezslav Jirik (Czech Republic) Effects of Ambient Air Pollutants on Cardiac Structure and Function in ECHO-SOL
P-1071	Air pollution, risk of neurodegenerative disorders and potential mediation	D 1100	Claire Leiser (USA)
	pathways Giovanni Veronesi (Italy)	P-1100	Differential uranium exposure and its association with hypertension and elevated blood pressure in American
P-1072	Household air pollution, polycyclic aromatic hydrocarbons and esophageal cancer risk in Kenya: ESCCAPE case-		Indian communities in the Strong Heart Family Study Kevin Patterson (USA)
P-1075	control study James Watson (UK) An examination of vitamin D levels as a	P-1101	Acanthamoeba spp. in public parks' soils in Spain: presence, distribution and risks Antonio Peña-Fernández (UK)
	mediator in the association of ambient air pollution and incident type 2 diabetes mellitus in India Suganthi Jaganathan (India)	P-1106	Metal mixture mediates associations between socioeconomic indicators and blood pressure outcomes in rural
P-1078	Air pollution and risk of lung cancer within the EAGLE case-control study		Bangladeshi adults: Evidence from a prospective population study Juwel Rana (Bangladesh)

Luca Fedrizzi (Italy)

P-1107	Association between particle components and inpatient Parkinson's hospitalizations among people ages 40 years and up in the U.S. using Bayesian kernel machine regression (BKMR)	P-1132	Anxiety, Depression and Post Traumatic Stress Syndrome and their Association with Presenteeism among a COVID-19 Hospital in Mexico City Marcela Tamayo-Ortiz (Mexico)
P-1108	components on inpatient stroke	P-1135	Lost work days associated with long COVID among healthcare workers Marcela Tamayo-Ortiz (Mexico)
	hospitalizations in U.S. adults ages 40 years and up using Bayesian kernel machine regression (BKMR) Bryan N. Vu (USA)	P-1137	Epidemiological profile of work-related Covid-19 in Brazil, 2020-2021 Rafael Buralli (Brazil)
	,	P-1139	• • • • • • • • • • • • • • • • • • •
TOPIC	18. JPATIONAL EXPOSURES & HEALTH		polyfluoroalkyl substances (PFAS) in seminal plasma and semen quality parameters in firefighters
P-1112	Epidemiologic profile of work-related accidents with biological material in	D 1140	Jana Navrátilová (Czech Republic)
	Brazil, 2007-2021 Rafael Buralli (Brazil)	P-1140	Effects of heat exposure on occupational injuries in the agricultural sector in Italy Chiara Di Blasi (Italy)
P-1114	Assessment of fungal hazards in archives based on nasal swab samples Marcin Cyprowski (Poland)	P-1142	Deployment-Related Decline in Physical Fitness Increases Risk of Injury in U.S. Army Soldiers
P-1117	Mortality and cancer incidence in British military veterans involved in human		Kathryn Taylor (USA)
	experiments at Porton Down: 40-year follow-up Thomas Keegan (UK)	P-1144	Soil, sewage sludge and digestate samples contamination with Gram- negative bacteria from
P-1118	Seroprevalence of Hepatitis B and		Enterobacteriaceae Ewelina Farian (Poland)
	Hepatitis C Virus Among Inmates and Staff in Lafia Correctional Service, Nasarawa State, Nigeria Mojisola Owoseni (Nigeria)	P-1145	Species diversity of bacteria isolated from soil, sludge sewage and digestate Angelina Wójcik-Fatla (Poland)
P-1121	Prevalence and predictors of per- and polyfluoroalkyl substances (PFAS) serum levels among US volunteer firefighters Kate Lubina (USA)	P-1148	Cholangiocarcinoma and pleural mesothelioma: asbestos exposure as a shared risk factor? A comparison of agestandardized incidence rates in Italy
P-1123	Heat stress and incidence of acute kidney injury among agricultural workers in Spain	P-1149	Mena Gallo (Italy) Occupational sectors and cancer
	Cristina O'Callaghan-Gordo (Spain)	P-1149	mortality in a large administrative cohort
P-1124	Association between diesel exhaust exposure and mitochondrial DNA methylation	P-1150	Gudrun Weinmayr (Germany) Night shift work and altered metabolic profile among bespital formula purses:
	Wei Jie Seow (Singapore)		profile among hospital female nurses: results from a targeted metabolomic
P-1128	Impact of COVID-19 Pandemic on Military Medical Encounters and Musculoskeletal Injuries		approach Elisa Borroni (Italy)
	Vy Nguyen (USA)	P-1151	Towards the Exposome Project for Health and Occupational Research (EPHOR)
P-1129	Multiple Myeloma in Radiography Testing Worker		Mega Cohort Michelle Turner (Spain)
D.1121	Jun Hyeok Choi (Korea) Tracking the SARS-CoV-2 Omicron (R. 1.1)	P-1154	Rotating night shift work, sleep and
P-1131	Tracking the SARS-CoV-2 Omicron (B. 1.1. 529) health and economic impact by occupational sector Marcela Tamayo-Ortiz (Mexico)		thyroid cancer risk in the Nurses' Health Study 2 Kyriaki Papantoniou (Austria)

P-1155	Associations between BTEX-H/THC and neurological symptoms among Deepwater Horizon oil spill workers	P-1170	Why are Silica Dust Exposures and Silica-Related Health Effects Still a Global Concern?
P-1156	Kristen Cowan (USA) Forging Community Partnerships to Examine Pesticide Exposure and Risk Perceptions among Latinx Farmworkers Carly Hyland (USA)	P-1171	David F Goldsmith (USA) Work-related stress and the mental health status of retail commerce workers from Nicaragua: a cross-sectional webbased survey
P-1157	The association between working with poultry and esophageal cancer mortality; a case-cohort study Christina Joshua (USA)	P-1173	Rosa Noemi Fuertes Toledo (Nicaragua) Biological monitoring for exposure assessment of phthalatesby Korean firefighters at the fire site
P-1158	Exposure to engineered nanomaterials and early biological effects measured in the exhaled breath condensate: First results from the NanoExplore cohort Irina Guseva Canu (Switzerland)	TOPIC WATER	HyunJeong Oh (Korea) 21. 2 QUALITY
P-1159	Occupation and risk of testicular cancer: A case-control study in France Margot Guth (France)	O-SY-133	Association between drinking water arsenic and urinary inorganic arsenic in the US: NHANES 2003-2014
P-1160 P-1162	Animal husbandry neglected in occupational research for antibiotic resistance Erik Pieter de Jong (Taiwan) The necessary strengthening the global	P-1247	Maya Spaur (USA) Long-term exposure to nitrate and trihalomethanes in drinking-water and prostate cancer: A Multicenter Case-Control Study in Spain
	role of occupational and environmental epidemiology about Asthma. Analysis and discussion of diagnosis of Asthma and the Workforce in Brazil -2019 Telma Cassia dos Santos Nery (Brazil)	P-1248	Carolina Donat (Spain) Characterizing the coexistence of proteobacteria species and cyanobacteria in cyanobacteria positive lung cancer samples Christina Joshua (USA)
P-1163	Objectively-assessed physical activity and heat stress and the association with kidney function in female harvest workers in Spain Cristina O'Callaghan-Gordo (Spain)	P-1249	Human enteric bacteria and viruses in five wastewater treatment plants in the Eastern Cape, South Africa Olayinka Osuolale (Nigeria)
P-1164	Cane Cutting and reduced kidney function at medical encounters among sugarcane workers in Nicaragua Zsuzsanna Jeney (USA)	P-1253	Determination of human-pathogenic free living amoebas in drinking water supplies in Leicester, UK Antonio Peña-Fernández (UK)
P-1166	Updated findings from the International Nuclear Workers Study (INWORKS) David Richardson (USA)	P-1254	Endocrine disrupting activity, pharmaceutical and virus occurrence in selected water sources along the
P-1167	Associations Between Serum Perfluoroalkyl Acid (PFAA) Concentrations and Health Related Biomarkers in Firefighters Sandra Nilsson (Australia)	P-1255	Limpopo River, South Africa Sean Patrick (South Africa) Evaluation of the sanitary quality of the water consumed by the population of the Sambwa mission village in the
P-1168	Association of summertime daily mean temperature and sick leaves among employees of the City of Helsinki, Finland Anne H. Lipponen (Finland)	P-1257	Democratic Republic of Congo Paulin Kilufya Kalomo Kitikimo (Congo- Kinshasa) Microplastic Abundance and Distribution
P-1169	Assessment of chemotherapy drug contamination in occupational settings Andrew Floeder (USA)		in a Wastewater Treatment Plant in Bangladesh Mohammad Enayet Hossain (Bangladesh)

	03. OLLUTION (AMBIENT & INDOOR) SOURCES	P-0110	Characterisation of volatile organic compounds in hospital indoor air and the potential impact on healthcare worker health
P-0086	Acute ambulatory blood pressure response to short-term black carbon exposure: the MobiliSense sensor-based study Sanjeev Bista (France)	P-0114	Thiphanie Riveron (UK) Source-Apportioned Particulate Air Pollution and 30-day Readmissions Among Heart Failure Patients Cavin Ward-Caviness (USA)
P-0087	Time trends of PM2.5 exposure between 2000 to 2018 in the SCAPIS cohort Peter Molnár (Sweden)	P-0115	Modification of Associations Between PM2.5 and Blood Pressure by Anti- Hypertensive Medication Usage in Heart Failure Patients
P-0088	Long-term exposure to air pollution and the development of airflow obstruction in the population-based Dutch Lifelines cohort Dimitra Sifaki-Pistolla (Greece)	P-0116	Morgan Narain (USA) Exposure to Ambient Air Pollution is Associated with Expression of Breastmilk miRNAs Elizabeth Holzhausen (USA)
P-0089	Impact of Air Pollution on the Health of Trees in Dhaka, Bangladesh Saif Shahrukh (Bangladesh)	P-0117	Alpha particle radioactivity from indoor radon decay products and pulmonary function among chronic obstructive
P-0090	Nationwide assessment of ambient monthly fine particulate matter (PM2.5) and its associations with total, cardiovascular and respiratory mortality in the United States Austin Rau (USA)	P-0118	pulmonary disease patients Veronica Wang (USA) Prediction of Short-Term Ultrafine Particle Exposures using Street-Level Images and Air Quality Data Based on Mobile Monitoring
P-0091	Variation in PM2.5, PM10 and atmospheric conditions in the three (3) ecological zones in Ghana Ali Moro (Ghana)	P-0119	Junshi Xu (Canada) The Design, Calibration, and Evaluation of a Mobile Sensor System for Air Pollution Measurement and Prediction in Urban
P-0093	Environmental monitoring air pollution of Santa Cruz industrial district in Rio De Janeiro using a plant fertility model lice Ferreira Da Silva (Brazil)	P-0122	Areas Arman Ganji (Canada) Land Use Regression Model for Exposure Assessment to Pollutant Gases in Rio de
P-0094	Poultry house as point source of intense bioaerosol emission Rafal Gorny (Poland)	P-0126	Janeiro City, Brazil Marcio Sacramento de Oliveira (Brazil) Changes in the short-term relationship between air pollution and mortality over
P-0101	Association between traffic density exposure during pregnancy and low birthweight in Spain, 2000-2017 Rebeca Ramis (Spain)	P-0127	thirty years (1990-2019) in New York City Rebecca Goldberg (USA) Triggering of cardiovascular
P-0104	Associations between grass pollen counts and allergen (Phl p 5) levels with respiratory allergic health outcomes	D 0100	hospitalization by short-term increases in PM2.5 in New York adults: changes following Tier 3 vehicle introduction David Rich (USA)
P-0106	Elaine Fuertes (UK) Traffic density exposure and metabolomics in a population-based sample: The HORTEGA Study Rebeca Ramis (Spain)	P-0130	Examining associations between long- term exposures to PM components and arterial stiffness using a Bayesian kernel machine regression approach Adjani Peralta (USA)
P-0108	Can the UK achieve the PM ₂₅ WHO 10 µg	P-0131	Long-term Exposure to Ambient Ozone and Mortality in a population-based

m-3 interim target by 2030?

Sean Beevers (UK)

and Mortality in a population-based

cohort of South Korea

Garam Byun (Korea)

POSTER AREA B

P-0132	Air pollution and Venous Thromboembolism in the Malmö Diet and Cancer cohort Mehjar Azzouz (Sweden)	P-0153	Fatal unintentional non-fire related carbon monoxide poisoning: Data from Narrative Verdicts, England and Wales, 1998-2019 Neelam Iqbal (UK)
P-0134	Changes of PM2.5 population exposure and its sources in the US from 1990 to 2010 Ksakousti Skyllakou (Greece)	P-0154	Pathways associated with air pollution exposure and cognitive outcomes: a systematic review of the epidemiological studies
P-0136	Untargeted metabolomics analysis of human milk samples from Guatemalan mothers in the Household Air Pollution Intervention Network (HAPIN) Trial Lisa Thompson (USA)	P-0155	Bénédicte Jacquemin (France) A knowledge transfer approach to improve maps of long-term air pollution concentrations using short-term mobile measurements
P-0140	Inflammatory markers, lung function, and respiratory events in relation to indoor and ambient air pollution Youn-Hee Lim (Denmark)	P-0158	Zhendong Yuan (Netherlands) Biomonitoring cadmium and nickel using native mosses in Leicester, UK Antonio Peña-Fernández (UK)
P-0141	Source apportionment of particulate matter (PM2.5) using Positive Matrix Factorisation in Thohoyandou, South Africa	P-0159	Using naturally growing mosses as passive biomonitors of cobalt and zinc in Leicester, UK Antonio Peña-Fernández (UK)
P-0142	Adewale Adeyemi (South Africa) Particulate matter (PM2.5) characterization and air quality level in an urban background in Pretoria Adewale Adeyemi (South Africa)	P-0160	Household's heating type and energy sources and cause-specific mortality: a census-based cohort study in urban Belgium Lucia Rodriguez Loureiro (Belgium)
P-0143	Associations between pre-natal exposures to fine particulate matter (PM2.5), carbon monoxide, and	P-0162	The short-term effects of fine dust on suicide death in Korea Tae-Hwa Go (Korea)
	black carbon and birthweight in the multi-country Household Air Pollution Intervention Network (HAPIN) trial Kalpana Balakrishnan (India)	P-0163	Traffic and air pollution impacts of Low Traffic Neighbourhoods (LTNs) Audrey de Nazelle (UK)
P-0144	Solid fuel combustion exposure and respiratory health in children and adults in Europe, USA, Canada, Australia and New Zealand: a systematic review and meta-analysis	P-0164 P-0165	Temporal and spatial distribution of PM2.5 pollution in Taipei City and its association with traffic flows assessed by microsensor data Tzu-Hsuen Yuan (Taiwan) Spatio-temporal modeling of airborne
P-0147	Valentina Guercio (UK) Burden of disease due to PM2.5 and NO2 emissions from coal-fired power plants in	P-0166	pollen concentrations Behzad Valipour Shokouhi (Switzerland) Impact of short-term ambient PM2.5
P-0149	Germany Vanessa Jana Soppa (Germany) Effect of long-term exposure to UFP on birth outcomes around Schiphol airport,		exposure on the all-cause and cause-specific mortality among rural population in North India Harshal Ramesh Salve (India)
P-0151	the Netherlands José Jacobs (Netherlands) Associations between air pollution	P-0169	An Evaluation of the Cardiovascular Impacts of the Closure of a Coking Operation - An Interrupted Time Series
	and multimorbidity: results from the population-based UK Biobank study loannis Bakolis (UK)	P-0170	Analysis Wuyue Yu (USA) Associations between short and long-
P-0152	Air pollution exposure in mid-life and cognition over 25 years later: a prospective longitudinal cohort study loannis Bakolis (UK)		term PM ₂₋₅ exposure and blood lipid concentrations in myocardial infarction survivors Cavin Ward-Caviness (USA)

P-0172	Short-term mortality risks associated with sulfur dioxide: a multi-country analysis in 399 cities Antonio Gasparrini (UK)	P-0196	Physical and Mental Health Symptoms After a Hydrogen Sulfide Disaster in Southern Los Angeles County, CA, USA Arbor Quist (USA)
P-0175	Investigating the Regional Concentrations-Response Relations between PM2.5 and daily mortality in Japan Satbyul Estella Kim (Japan)	P-0198	Associations of outdoor fine particulate matter (PM2.5) air pollution and symptoms of depression in the Prospective Urban Rural Epidemiology (PURE) study
P-0176	Long-term exposure to low level air pollution and the relationship with lung and bladder cancer in older men, in Perth, Western Australia Elizabeth Lim (Australia)	P-0199	Svetlana Zdero (Canada) Long-term exposure to air pollution and incidence of 922 health outcomes in a phenome-wide association study: Danish nationwide administrative cohort
P-0181	Air pollution and bone mineral density among Women's Health Initiative participants: A mixture analysis Diddier Prada (USA)	P-0201	Zorana Jovanovic Andersen (Denmark) Short-term effects of exposure to particulate matter concentrations originating from desert dust on mortality
P-0182	Application of a hierarchical Bayesian model for air pollution prediction		in Athens, Greece Victor Levis (Greece)
	in Poland and its association with neurodevelopmental outcomes in children Mercè Garí (Spain)	P-0204	The Association of Visibility and Adenocarcinoma Lung Cancer in Southern Taiwan Wei-Chi Lin (Taiwan)
P-0183	Exposure to ambient air pollution and oxidative stress biomarkers in the NYU CHES cohort Akhgar Ghassabian (USA)	P-0205	Association between short-term exposure to fine particulate matter components and cause-specific mortality in Korea: a multi-city time-series study
P-0185	Examination of effect modification of the relationship between PM2.5 and cardiovascular mortality by particle oxidative potential within two Canadian cities Susannah Ripley (Canada)	P-0208	Kyungpil Kim (Korea) A randomized crossover trial of portable in-home air purifiers for highway PM and cardiovascular risk: HAFTRAP study update Doug Brugge (USA)
P-0186	Association between long-term exposure to ultrafine particles and ischemic heart disease mortality in Montreal, Canada: an open cohort study Martin Resua Rojas (Canada)	P-0209	Demand for environmental health technologies: a clean cookstove experiment in Northern Ghana to investigate effects of prices and peers Katherine Dickinson (USA)
P-0189	Short-term exposure to ultrafine particles and mortality in Copenhagen, Denmark Marie Bergmann (Denmark)	P-0210	Acceptability of air purifiers to reduce traffic-related particulate exposure near a highway
P-0190	Characterizing Impacts of Smoke Exposure from Prescribed Burns on Adverse Respiratory Health Outcomes in Georgia, United States, 2015-2018 Ambarish Vaidyanathan (USA)	P-0211	Doug Brugge (USA) Historical Concentration Estimates for Air Pollutants for the Purpose of Health RiskAssessment and Epidemiological Studies of Chronic Diseases in Relation to
P-0191	Exploring 50-years of fungal spore counts and GP consultation rates for asthma to		Long-Term orLifetime Exposures Jiri Michalik (Czech Republic)
	explore their potential association Samuel Anees-Hill (UK)	P-0215	Incidence of medication related to emissions from a large steel plant
P-0194	Exposure to Air Pollution and the Nasal Microbiome in Children Joanne Sordillo (USA)		Danny Houthuijs (Netherlands)

POSTER AREA B

P-0219	Satellite-derived local air pollution impacts of the household 'coal-to-clean energy' program in Beijing	TOPIC CHEM	O5. IICAL EXPOSURES - PART B
P-0223	Martha Lee (Canada) The impact of coal and oil power plants retirements on air pollution and	P-0319	Ecological and health risks assessment of lead in environmental and plants in an artisanal mining area in Nigeria Temitope Laniyan (Nigeria)
	cardiorespiratory health in California: an application of generalized synthetic control design Chen Chen (USA)	P-0323	Mixture Toxicity of Perfluoroalkyl Substances to the Kidney in the Elderly: the Application of the Bayesian Kernel
P-0225	Effect of historical redlining and current- day segregation on air pollution disparities across 143 cities in the USA Abas Shkembi (USA)		Machine Regression to the 2003-2018 US National Health and Nutrition Examination Survey Datasets Jinyoung Moon (Korea)
P-0227	Air Pollution Exposure and Public Transport in Addis Ababa: Vulnerability Scoping Study	P-0327	Sources of children's exposure to phthalates and phthalate replacements Michael Bloom (USA)
	Abel Weldetinsae Kidane (Ethiopia)	P-0338	Associations between per- and polyfluoroalkyl substances (PFAS) and
P-0232	Particle surface area, ultrafine particle number concentration, and cardiovascular hospitalizations Shao Lin (USA)		diabetes in two population-based cohort studies from Sweden Linda Dunder (Sweden)
P-0235	Association between long-term and short-term PM2.5 exposure and hospitalizations among a cohort of COPD patients, North Carolina, 2002-2015 Kristen Cowan (USA)	P-0339	Changes in adipose tissue and circulating concentrations of persistent organic pollutants: the Study of Women's Health Across the Nation Amelia Grant-Alfieri (USA)
P-0236	Chronic Exposure to Fine Particles and Mortality in Chile Luis Abdón Cifuentes (Chile)	P-0341	Associations between co-exposure of metals and the renal tubular damage of the residents in the metal contaminated smelter area
P-0238	Prediction of health effects of Asian dust in Japan		Dahee Han (Korea)
P-0241	Kazunari Onishi (Japan) Use of wildfire smoke indicators in	P-0342	The chemical exposome in brain cancer: an exploratory study Pablo Gago-Ferrero (Spain)
	health exposure research: high spatial resolution mapping of wildfire-related PM2.5 in California Nathan Pavlovic (USA)	P-0343	• • • • • • • • • • • • • • • • • • • •
P-0243	The NASA TEMPO Mission: Revolutionary Satellite Observations for Community-		Pablo Gago-Ferrero (Spain)
	Scale Air Quality Monitoring and Improved Health Studies Aaron Naeger (USA)	P-0345	Endocrine disruptors and Gestational Diabetes Mellitus: A pilot study of INSULIN cohort (Catalonia, Spain) Montse Marquès (Spain)
P-0245	Evaluation of the effects of particulate matter forecasting system on behavior patterns in Seoul, Korea Yongsoo Choi (Korea)	P-0347	Metabolic signatures of youth exposure to mixtures of lipophilic persistent organic pollutants Jesse Goodrich (USA)
P-0246	Impact of traffic congestion on near-road black carbon particulate matter and nitric oxide levels Linda George (USA)	P-0351	The combined associations of mercury exposure and DNA methylation with sustained attention in children Jessa Ehlinger (USA)

P-0355	Exposure to melamine and its derivatives and aromatic amines among pregnant women in the United States: The ECHO Program	P-0387	Current exposure levels and endocrine related outcomes of five non-phthalate plasticizers in humans: A systematic review
P-0361	Giehae Choi (USA) Fluoride exposure via public drinking water supplies and associated health outcomes: an ecological study in England	P-0389	Joeun Jung (Korea) Hypothetical interventions on dietary intakes to mitigate lead and cadmium induced mortality in US adults Nasser Laouali (USA)
P-0371	Hannah Emmett (UK) Prenatal Exposure to organochlorine compounds (OCs) and puberty-related hormones in boys and girls at 11 years of age; findings from the Rhea birth cohort,	P-0391	Psychological distress in three Australian communities living with chronic environmental per- and polyfluoroalkyl substances contamination Nina Lazarevic (Australia)
P-0372	Crete, Greece Katerina Margetaki (Greece) Transfer of perfluoroalkyl substances (PFAS) from serum to breastmilk and breastmilk concentrations over the	P-0393	Lipid Metabolites and Arsenic Methylation in the Strong Heart Family Study: An Untargeted Metabolomics Approach Ahlam Abuawad (USA)
P-0374	course of lactation: a study in the highly- exposed Ronneby Mother-Child Cohort Annelise Blomberg (Sweden) Do nutrients modify the risk of cadmium	P-0394	Using geographic information systems to estimate potential pesticide exposure in Belgium Sarah Habran (Belgium)
	on acute myocardial infarction among never smokers in the Danish Diet, Cancer and Health cohort? Victoria Fruh (USA)	P-0396	Dose reconstruction of four alternative plasticizers from urinary biomarkers of exposure
P-0376	Assessing the role of the Gut Microbiome in the interface between Environmental	P-0399	Jinhyun Kwon (Korea) Calcium and body mass index modify
P-0378	Chemicals Exposure and Human Health Anna Campana (USA) Childhood exposure to non-persistent endocrine disrupting chemicals and		the associations between prenatal phthalate exposure and ultrasound measures of bone metabolism among pregnant women in Mexico City
P-0378	Anna Campana (USA) Childhood exposure to non-persistent	P-0406	the associations between prenatal phthalate exposure and ultrasound measures of bone metabolism among
P-0381	Anna Campana (USA) Childhood exposure to non-persistent endocrine disrupting chemicals and multi-omic markers in a population-based child cohort Lorenzo Fabbri (Spain) PFAS exposures and the human metabolome: a systematic review of epidemiological studies Sandra India-Aldana (USA)	P-0406	the associations between prenatal phthalate exposure and ultrasound measures of bone metabolism among pregnant women in Mexico City Amber Cathey (USA) Prenatal Exposure to Organophosphate Insecticides and Measurements of Fetal Growth and Length of Gestation in the Study of Asian Women and their Offspring's Development and Environmental Exposures (SAWASDEE)
	Anna Campana (USA) Childhood exposure to non-persistent endocrine disrupting chemicals and multi-omic markers in a population-based child cohort Lorenzo Fabbri (Spain) PFAS exposures and the human metabolome: a systematic review of epidemiological studies	P-0406	the associations between prenatal phthalate exposure and ultrasound measures of bone metabolism among pregnant women in Mexico City Amber Cathey (USA) Prenatal Exposure to Organophosphate Insecticides and Measurements of Fetal Growth and Length of Gestation in the Study of Asian Women and their Offspring's Development and
P-0381	Anna Campana (USA) Childhood exposure to non-persistent endocrine disrupting chemicals and multi-omic markers in a population-based child cohort Lorenzo Fabbri (Spain) PFAS exposures and the human metabolome: a systematic review of epidemiological studies Sandra India-Aldana (USA) Liver and Plasma concentrations of Per- and Polyfluoroalkyl Substances in Adolescents from the Teen-Longitudinal Assessment of Bariatric Surgery (Teen-LABS) Study		the associations between prenatal phthalate exposure and ultrasound measures of bone metabolism among pregnant women in Mexico City Amber Cathey (USA) Prenatal Exposure to Organophosphate Insecticides and Measurements of Fetal Growth and Length of Gestation in the Study of Asian Women and their Offspring's Development and Environmental Exposures (SAWASDEE) Brittney Baumert (USA) Urinary Concentrations of Oxidative Stress Biomarkers Across Pregnancy: Variability of Measures in Two Birth Cohorts

Nina Lazarevic (Australia)

POSTERS ONSITE | WEDNESDAY, 21 SEPTEMBER 2022

TOPIC 10. ENVIRONMENTAL EQUITY		P-0776	Geospatial assessment of racial/ethnic composition, social vulnerability, and lead service lines in New York City
O-SY-130	Census tracts aren't neighborhoods: Issues in examining the impact of historical redlining in the United States on present-day environmental exposures and health outcomes	P-0778	Anne Nigra (USA) Neighborhood Socioeconomic Context and Autism Spectrum Disorder Md Mostafijur Rahman (USA)
P-0754	Lauren McCullough (USA) Patterns of personal care product use and their association with sociodemographic characteristics along with endocrine disrupting chemicals	P-0779	Changes in socioeconomic and demographic disparities for traffic-related air pollution exposure during pregnancy over a 20-year period in Texas Mary Willis (USA)
P-0757	among reproductive-aged Black women Kyla Taylor (USA) Racial/ethnic disparities in nationwide	P-0780	Associations between long-term exposure to air pollution and cause-specific mortality in River Sacco Valley area
	PM2.5 exposure: perils of assuming a linear relationship Misbath Daouda (USA)	P-0781	Matteo Renzi (Italy) Development of report-back materials of air pollution exposure results to
P-0759	Scoping report and interactive evidence map on studies of environmental exposures, psychosocial stressors,		participants in the HAPIN trial in Guatemala and Rwanda Lisa Thompson (USA)
	and cardiovascular diseases in disproportionally impacted communities Ruth Lunn (USA)	P-0782	Environmental justice in Colorado: variation in proximity to oil and gas wells across race-ethnicity and income groups
P-0763	The 2021 Texas Power Crisis: Distribution, Duration, and Disparities Nina Flores (USA)	P-0783	Katherine Dickinson (USA) Trends in air pollution emissions in the contiguous United States from 1970 to
P-0765	Long-term Exposure to Particulate matter and cardiovascular disease in South Korea: investigating multi-level interaction with individual- and area-level factors Garam Byun (Korea)	P-0787	2010: an environmental justice analysis Yanelli Nunez (USA) Is it you or your neighborhood: what matters more when it comes to air
P-0768	Monitoring the environmental health status in the Swedish population 1999-2019	P-0788	pollution exposure? Hiwot Zewdie (USA) Differential changes in air pollution
P-0770	Anne-Sophie Merritt (Sweden) The Intersection of Immigrant and Environmental Health: A Review of the		exposure by racial residential segregation in the United States: a longitudinal multi-cohort study Carolyn Fahey (USA)
	Literature Rory Stewart (USA)	P-0789	Estimating the Effect of Congestion Mitigation on Traffic Air Pollution and
P-0771	Urban environmental vulnerability in Rome: a spatial composite indicator Chiara Badaloni (Italy)	D 0700	Local Housing Prices Helen Harris (USA)
P-0773	Adverse childhood experiences intensify retinal microvascular and inflammatory responses to semi-controlled acute traffic related air pollution exposure	P-0790	A ranking of environmental indicators among historically redlined neighborhoods in Detroit, Michigan, USA Lauren Smith (USA)
P-0774	Hector Olvera Alvarez (USA) Environmental justice and well waste disposal from oil and gas development in Pennsylvania	P-0791	An association between historical redlining and road, rail, and air transportation noise today among eleven cities in Michigan, USA Lauren Smith (USA)
P-0775	Wil Lieberman-Cribbin (USA) Environmental Health and Justice Impacts of Steam Cracker Facilities Nicole Deziel (USA)	P-0792	Translating scientific evidence into policy and practice: the European Urban Health Cluster Dimosthenis Sarigiannis (Greece)

P-0793 **Development of the Navigation Guide TOPIC 14. Evidence-to-Decision Framework for HEALTH IMPACT ASSESSMENT, RISK Environmental Health** COMMUNICATION AND PARTICIPATORY Max Aung (USA) **EPIDEMIOLOGY** P-0795 Historical redlining and change in ambient air pollution in the United States, P-0905 **Environmental health competence in** Basque health workers. Analyzing the soil 2000-2016 before sowing the seed Leah Moubadder (USA) Mikel Subiza-Perez (UK) P-0906 Indicators of psychosocial and **TOPIC 12.** physiological effects of forest therapy: **EXPOSOME** A systematic review Hae-Ryoung Chun (Korea) P-0798 Associations of perfluoroalkyl substances (PFAS) with non-targeted metabolomics P-0907 Developing an environmental health across two independent cohorts of knowledge questionnaire for health elderly individuals practitioners Samira Salihovic (Sweden) Mikel Subiza-Perez (UK) P-0908 P-0799 Benchmark dose modelling of blood **Lithuanian Refugee Crises: Comparing** lead levels and thyroid hormones - Study Middle Eastern/African and Ukrainian in Serbian population **Migrants** David F Goldsmith (USA) Dragana Javorac (Serbia) P-0909 Characterizing the heat stress exposome A health risk matrix for assessing the P-0801 impacts of heat and cold exposure in to assess acute kidney injury in New York City runners residential buildings Shih-Che Hsu (UK) Nicholas Defelice (USA) P-0910 Increased risk of osteoporotic fractures P-0802 Comparison of untargeted chemical after long-term exposed to high levels profiles of dried blood spots, dried blood of perfluoroalkyl substances through microsamplers, and plasma drinking water in a Swedish population Georgia Dolios (USA) Yiyi Xu (Sweden) P-0803 Urban exposome and stroke incidence P-0916 Pesticide Residue Trends in Fruits and across Europe Vegetables from Farm to Fork in Kampala Jeroen De Bont (Sweden) Metropolitan Area, Uganda - A Mixed P-0805 DNA methylation and multiple pollutants **Methods Study** exposures from petrochemical industries Charles Ssemugabo (Uganda) Chi-Hsin Sally Chen (Taiwan) P-0919 **Effect of Heavy Metal Leaching** P-0807 Cardiometabolic Health Associated on Elemental Composition of Rice with Exposures to Mixtures of Chemical commonly consumed in the United States Pollutants: Results from the EHES-LUX Mom Tatah Mentan (USA) Study P-0920 Behavioral determinants of arsenic-safe Maria Ruiz-Castell (Luxembourg) water use among Great Plains Indian P-0810 Omics associations with non-persistent Nation private well users: results from the endocrine-disrupting chemicals (EDCs) **Strong Heart Water Study** exposure in humans: a scoping review Kelly Endres (USA) Léa Maitre (Spain) P-0923 **Achieving the WHO Air Quality Guidelines** P-0811 The urban exposome profile of Limassol, brings benefits to the health and Cyprus: integration of biomonitoring data economy of Member States across the with drinking water and quality of life **Western Pacific Region** indicators Thomas Cole-Hunter (Denmark) Corina Konstantinou (Cyprus) P-0924 The Health Burden of Outdoor Air P-0814 Multi-omics signatures of exposure to Pollution in Lagos, Nigeria, between 2020 disinfection by-products in swimming and 2021

Sibo Cheng (UK)

Joseph V. Spadaro (USA)

P-0926	Agent-based Modeling of Urban Exposome Interventions: Prospects, Methodological Considerations and Challenges Tabea Sonnenschein (Netherlands)	P-0949	Effectiveness of community and household level Interventions for reducing impact of air pollution on health outcomes – A systematic review Harshal Ramesh Salve (India)
P-0928	Assessing the environmental urban exposure to high tech-metals (Co, Li) in a healthy group of Spanish adolescents Antonio Peña-Fernández (UK)		C 15. HANISMS AND MOLECULAR IARKERS
P-0930	The impact of urban environmental exposures on health: An assessment of the attributable mortality burden in Sao Paulo city, Brazil Evelise Pereira Barboza (Spain)		Genome-wide SNP-by air pollution interaction and airflow obstruction development in the Dutch population-based Lifelines cohort
P-0931	Air pollution and health impact of population living in industrial areas in Italy: SENTIERI project Carla Ancona (Italy)	P-0955	Dimitra Sifaki-Pistolla (Greece) Mediation effect of DNA methylations in the association between bisphenol A exposure and blood pressure
P-0932	Benefits of Increasing Greenness on All-Cause Mortality in the Largest Metropolitan Areas of the United States within the Past Two Decades Paige Brochu (USA)	P-0956	Jin Hee Kim (Korea) Traffic-related air pollution in utero modifies cytokine responses to stimuli of umbilical cord blood cells: results from the NELA cohort
P-0935	Lead Exposure Through Food: An Observational Study of Glazed Ceramics within Oaxaca and Mexico City Kristina Brandveen (USA)	P-0957	Eva Morales (Spain) Oxidative potential in the exhaled air (OPEA): a candidate biomarker for respiratory diseases screening
P-0936	Health impact assessment of urban and transport developments in Barcelona: a case study Ana Ramos (Spain)	P-0958	Irina Guseva Canu (Switzerland) Metal exposure and oxidative stress biomarkers in subway workers Irina Guseva Canu (Switzerland)
P-0937	A Pilot Study of an Usability of a Mobile Application to target Neglected Skin Diseases in Côte d'Ivoire Kouame Kouadio (Côte D'Ivoire)	P-0959	A modern biodosimetric re-assessment of three mile island exposures using whole genome directional genomic hybridization (DGH)
P-0940	Evidence synthesis of Observational Studies in Environmental Health: Lessons Learned from a Systematic Review on Traffic-Related Air Pollution Hanna Boogaard (USA)	P-0960	Doug Brugge (USA) Newborn Metabolomic Signatures of Maternal Serum Per- and Polyfluoroalkyl Substance Levels and Reduced Length of Gestation: A Prospective Analysis in the
P-0942	Contamination by mercury in Alcalá de Henares (Spain): temporal and spatial variability and risk assessments Antonio Peña-Fernández (UK)	P-0961	Atlanta African American Maternal-Child Cohort Kaitlin Taibl (USA) Epigenetic biomarkers of lead exposure
P-0944	Characterisation of risks from lanthanum and europium in topsoils from the East Midlands (UK) Antonio Peña-Fernández (UK)		and cardiovascular disease: prospective evidence in the Strong Heart Study Wil Lieberman-Cribbin (USA)
P-0947	Ambient Fine Particulate Matter reduction and mortality benefit during the COVID-19 Crisis in Korea Hyun-Joo Bae (Korea)	P-0962	Associations between air pollution, residential greenness, and glycated hemoglobin (HbA1c) in the three prospective cohorts of U.S. adults Melissa Fiffer (USA)

P-0963	Nitrosative Stress and Thyroid Hormones in Pregnant Taiwanese Women – A Birth Cohort Study	P-0987	Associations between prenatal PM2.5 exposure and placental long non-coding RNA expression Michael Hussey (USA)
P-0964	Po-Chin Huang (Taiwan) Mediation Effects of Thyroid Function in the Associations between Phthalate Exposure and Glucose Metabolism in	P-0988	Associations between metals and metabolomic profiles related to diabetes among adults in a rural region Laura Corlin (USA)
P-0969	Taiwanese Adults Po-Chin Huang (Taiwan) Solar activity and urinary melatonin levels in the US-based Nurses' Health Study, Nurses' Health Study II, and the	P-0989	Harnessing Extracellular Vesicle's for Elucidating Racial/Ethnic Disparity in Alzheimer's Disease and Related Dementia Risk in Light of Air Pollution Exposure
	Growing Up Today Study Cindy Hu (USA)		Stacia Nicholson (USA)
P-0970	PFAS concentrations associate with placental transcriptomic activity: a pilot study Todd Everson (USA)	P-0993	Prenatal exposure to di-2-ethylhexyl phthalate (DEHP) affects metabolic disorders: results of a novel strategy for integrative assessment of endocrine disrupters
P-0971	Metabolic signatures associated with diet quality in young adults Elizabeth Costello (USA)	P-0998	Dimosthenis Sarigiannis (Greece) Comparing and validating current methods for isolating and characterizing
P-0973	Using Follicular Fluid Metabolomics to Investigate the Association between Air Pollution and Oocyte Quality Audrey Gaskins (USA)		brain-derived extracellular vesicles as central nervous system biomarkers of environmentally linked neurodegenerative diseases
P-0974	Prenatal exposure to outdoor air pollution and miRNA expression in cord blood at birth: the NELA study Eva Morales (Spain)	P-0999	Tanya Butt (USA) Bringing TRAP and NLRP3 into focus to Save EJ Populations Wig Zamore (USA)
P-0977	Prenatal Bisphenol S and Postnatal High- Fat Diet Influence DNA Methylation of the Mest Gene in F1 Male Mice Jaehyouk Lee (Korea)	P-1000	Evidence of epigenetic age acceleration among adults with prenatal and early life arsenic exposure in Northern Chile Anne Bozack (USA)
P-0980	Metabolomic Changes Associated With Chronic Arsenic Exposure in a Bangladeshi Population Haotian Wu (USA)		
P-0981	Maternal blood pressure associates with placental DNA methylation both directly and through alterations in cell-type composition Lucile Broséus (France)		
P-0985	Air Pollution Exposure and Human Endogenous Retrovirus Methylation in the School Inner-City Asthma Intervention		

Study

P-0986

Aalekhya Reddam (USA)

retroelement copy number

Qing Lan (USA)

Smoky coal exposure is associated with

increased white blood cell DNA Alu

TOPIC BUILT	AND PHYSICAL ENVIRONMENT	P-0263	Dwelling type and risk of chronic obstructive lung disease Stine Kloster (Denmark)
P-0248	Maternal Exposure to Magnetic Field Non-Ionizing Radiation During Pregnancy and the Increased Risk of Allergic Conditions in Offspring: A Longitudinal Cohort Study with up to 22 Years of	P-0265	The association between perceived annoyances in the indoor environment at home and respiratory infections: A Danish cohort study with up to 19 years of follow-up Anne Marie Kirkegaard (Denmark)
P-0251	Follow-up Dekun Li (USA) Soil Health as a Determinant to Health of People: Example of Soil Trace Elements	P-0266	Predictors of perceived neighbourhood comfort in urban and suburban areas in Finland
P-0252	Deficiencies in Kintampo Area of Ghana and Their Implications to Some Non-Communicable Diseases Latifatu Alhassan (Ghana) Associations Between Minute-Level	P-0267	Tytti Pasanen (Finland) Exposure to artificial light-at-night and cardiometabolic health: an urban perspective from the Catalan GCAT cohort study
1-0202	Smartphone-Derived Exposure to Walkability and Consumer Wearable- Derived Physical Activity in the US-based Nurses' Health Study 3 Cohort 2018-2020 Grete Wilt (USA)	P-0269	Manolis Kogevinas (Spain) Associations Between Hospital Readmissions and Proximity to Brownfields in North Carolina Cavin Ward-Caviness (USA)
P-0254	Suicide and transportation noise: a prospective cohort study from Switzerland Benedikt Wicki (Switzerland)	P-0270	Associations of greenness, public parks, and blue space with cardiovascular and respiratory disease hospitalization in the US Medicare cohort Jochem Klompmaker (USA)
P-0255	Using publicly available data to describe multiple environmental pressures and explore the link with end-stage renal disease Martin Paumelle (France)	P-0271	Urban green spaces and suicide mortality in Belgium (2001-2011): a census-based longitudinal study Hilbert Mendoza (Belgium)
P-0256	Living and working close to sports facilities and physical inactivity and obesity: a cross-sectional study Auriba Raza (Sweden)	P-0272	Effects of greenness, public parks, and blue space on neurodegenerative disease hospitalizations in the US Medicare cohort
P-0257	Built and Social Environment Exposures association with Obesity in Kaunas Citizens Sandra Andrusaityte (Lithuania)	P-0274	Jochem Klompmaker (USA) School and residential green- and bluespace and academic performance in Polish schoolchildren with and without attention deficit hyperactivity disorder
P-0258	Street-View Greenspace Exposure and Measured Adiposity in Early Adolescence Peter James (USA)	P-0275	Nitika Singh (Poland) Biophilia and "Body-Philia": Does positive
P-0259	Street-View Greenspace Exposure and Childhood Asthma-Related Outcomes: Analyses in Project Viva	1-02/3	body image change due to short visits in outdoor green environments? Keren Agay-Shay (Israel)
P-0260	Pi-i Debby Lin (USA) Urban Heat Islands and Heat-Related Cardiovascular Morbidity Among Adults Aged 65+ in US Metropolitan Areas Stephanie Cleland (USA)	P-0276	Walkability and Physical Activity in Nurses' Health Study 3 with Measurement Error Correction Using Smartphone Mobility Data Grete Wilt (USA)
P-0262	The Impact of Residential Greenness on Psychological Distress among Hurricane Katrina Survivors Kate Burrows (USA)	P-0277	Relations of Residential Greenness with Markers of Immunity and Inflammation in the Green Heart Study Daniel Riggs (USA)

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1	P-0278	Unintended impacts of the Open Streets program on noise complaints in New York City Jaime Benavides (USA)	P-0296	Quantifying the public health benefits of expanding natural spaces in urban areas Greta Martin (USA)
ı	P-0280	Traffic noise in relation to markers of obesity in nine Nordic cohorts Åsa Persson (Sweden)	P-0299	Mixed methods (qualitative and quantitative) in environmental epidemiology : an industrial area study,
ı	P-0281	Time course of electromagnetic hypersensitivity in a prospective cohort of Dutch individuals	P-0303	France Sandrine Coquet (France) Does air pollution negate benefits of
1	P-0283	Eugenio Traini (Netherlands) Interactions between multiple environmental factors and associations		exercise in those with long-term health conditions? - Rapid review Marios Panayi (Cyprus)
		with generalized anxiety disorder in Nurses' Health Study II Unnati Mehta (USA)	P-0305	Associations between greenness and hemodynamic markers at varied spatial scales and metrics of greenness Ray Yeager (USA)
1	P-0284	Presence and distribution of Encephalitozoon spp. spores across different soil types Antonio Peña-Fernández (UK)	P-0306	Cadmium in the wild edible mushroom species of Agaricus bitorquis in Leicester, UK
	P-0285	Higher proportion of agricultural land use		Antonio Peña-Fernández (UK)
1		around the residence is associated with higher urinary concentrations of AMPA, a glyphosate metabolite Katrien De Troeyer (Belgium)	P-0309	Residential road traffic noise and pregnancy complications - The NordSOUND study Timo Lanki (Finland)
		Awareness and Perception of Plant-Based Diets at an Urban Community College Lori Hoepner (USA)	P-0313	Exposure to Noise and Cardiovascular Disease in a Nationwide US Prospective Cohort Study of Women Charlotte Roscoe (USA)
1	P-0289	A comprehensive evaluation of built- environment as a risk factor for sleep disruption Jaclyn Parks (Canada)	P-0314	Association between Residential Green Space and Healthcare Utilization Stephen Van Den Eeden (USA)
1	P-0290	Geomagnetic Disturbances and Ventricular Arrhythmia in Patients with Implantable Cardioverter Defibrillators from a US-Based Hospital	P-0315	Initial Findings of 80,000 US Residences: Structure, Behavior, Reported Symptoms Carl Grimes (USA)
	D 0001	William Borchert (USA)	TOPIC	07.
	P-0291	A tale of many neighborhoods: latent profile analysis to derive nationally	CLIMA	TE CHANGE AND HEALTH
		representative neighborhood typologies in the US Hiwot Zewdie (USA)	O-SY-126	Natural disasters and sexual risk taking behaviour: correlation or causation? And what is the relevance for global public
	P-0293	The importance of ecological quality		health? Valentina Gallo (Netherlands)
,		of public green and blue spaces for subjective well-being Sarah Knight (UK)	P-0553	Association of acute ambient temperatures with NICU admissions:
	P-0294	Environmental, economic, and health		results of a case-crossover analysis Sarah Quinones (USA)
		co-benefits of a shift away from motor vehicles in London - Presenting a simplified modelling framework for preliminary screening of urban transport interventions	P-0555	The association of maternal exposure to ambient temperature with low birth weight is not positive in every single location: In Brazil, positive associations may occur only in the Amazon region

Audrey de Nazelle (UK)

may occur only in the Amazon region

Weeberb Réquia (Brazil)

POSTER AREA B

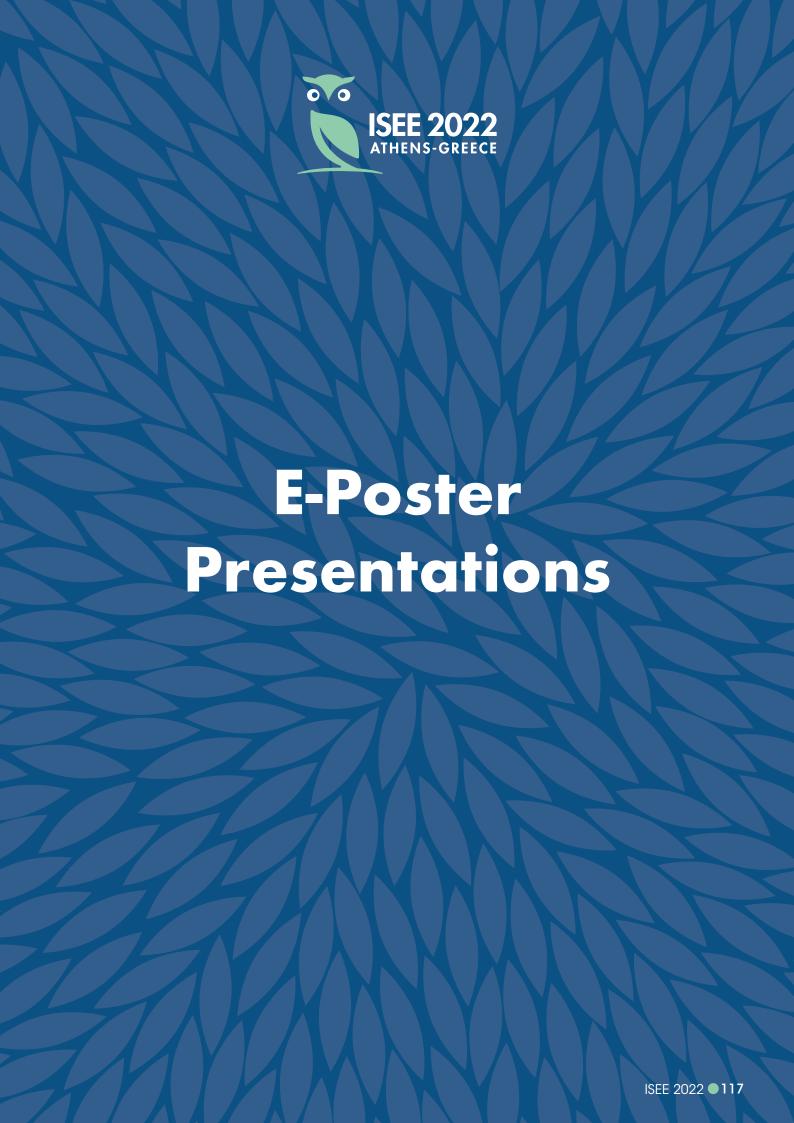
POSTERS ONSITE | WEDNESDAY, 21 SEPTEMBER 2022

P-0556	Systematic review and meta-analysis for suicide associated with air pollution and ambient temperature Seulkee Heo (USA)	P-0576	mortality and morbidity in Germany – small-area analysis in the framework of the EXHAUSTION project
P-0558	Future mortality burden attributable to non-optimal temperatures under the dual threats from climate change and population aging Kai Chen (USA)	P-0578	Susanne Breitner (Germany) The short-term effect of weather variables on heart rate variability in patients after open-heart surgery Jone Vencloviene (Lithuania)
P-0560	Blackout: A nationwide county-level accounting of power outages and vulnerability, 2018-2020 Vivian Do (USA)	P-0581	Early delivery following chronic and acute in utero ambient temperature exposure: a comprehensive survival approach
P-0562	Optimal heat stress metric for predicting warm-season mortality varies from country to country Eunice Lo (UK)	P-0582	Ian Hough (France) Trends in Tropical Nights and their Effects on Mortality in Switzerland across 50 years
P-0563	How is Australia progressing on climate change and health? - Evidence and implications of the MJA-Lancet Countdown	P-0584	Vanessa Rippstein (Switzerland) Temperature Variability and Birthweight: Epidemiological Evidence from Africa Pin Wang (USA)
P-0565	Ying Zhang (Australia) Temporal changes of heat-attributable mortality in Prague, Czech Republic, over 1982-2019	P-0587	Effect modification of greenness on the association between heat and mortality: a multi-city multi-country study Hayon Michelle Choi (USA)
P-0566	Aleš Urban (Czech Republic) Short-term effects of heat on cardiovascular mortality and morbidity in Germany - Small-area analysis in the	P-0588	The effect of temperature modified by season on lung function in the GINIplus/ LISAplus cohort: A 15-year follow-up Ashtyn Areal (Germany)
P-0568	framework of the EXHAUSTION project Alexandra Schneider (Germany) Associations of Weather Regimes and Ambient Temperature with the Timing of Birth in Southern Israel	P-0589	Climate emergencies and health system resilience collaborative research action (CHESS): challenges and best practice from the UK and Australia loannis Bakolis (UK)
P-0572	Selin Girgin (Israel) Short-term heat effects on cardiopulmonary morbidity using national small area data – Results of the	P-0591	The Effects of Heat and Air Pollution on Mental Health Related Mortality in California Md Mostafijur Rahman (USA)
D 0572	EXHAUSTION project Siqi Zhang (Germany) Building Canacity for Disaster Passarah	P-0593	Excess deaths after tropical cyclones in the United States Robbie Parks (USA)
P-0573	Building Capacity for Disaster Research Response (DR2): Lessons, Tools and Resources from the University of Washington – National Institute of Environmental Health Sciences DR2	P-0594	Rising temperatures and alcohol- and substance-related disorder hospitalizations Robbie Parks (USA)
	Workshop Nicole Errett (USA)	P-0596	Assessment of heat effects on all-cause and cardiopulmonary mortality and
P-0575	Integrative review to develop a holistic ecological framework exploring pathways to climate change impacts on mental health among priority groups Monika Walia (UK)		effect modification by air pollution in Attica prefecture, Greece; a small- area analysis in the framework of the EXHAUSTION Project Sofia Zafeiratou (Greece)

P-0597			
	HEAL - Australian Research Network in Human Health and Environmental Change Sotiris Vardoulakis (Australia)	P-0622	Vulnerability and adaptation to climate change: perceptions and experience in an Arab urban locality in Israel Alix Pahaut (Israel)
P-0598	Early exposure to ambient temperature is associated with newborn lung function with sex-specific effects Ariane Guilbert (France)	P-0627	Large Scale Climate Indices, Environmental Variability, and Impact on human health Kenza Khomsi (Morocco)
P-0600	What are the feelings prompted by manifestations of climate change among the young generations? A survey among University students in Fryslân (Northern	P-0628	Trends in wildfires caused by electrical power and the use of Public Safety Power Shutoffs in California Alyson Harding (USA)
	Netherlands) Valentina Gallo (Netherlands)	P-0629	
P-0601	Associations of Extreme Precipitation with Emergency Department Visits Among Older Adults in the Upper Midwest, USA,		impacts on malaria: historical records from the Nordic countries Tzu Tung Chen (Sweden)
D 0/00	2006-2013 Carina Gronlund (USA)	P-0631	Home Medication and Heat-Sensitive Emergency Department Visits in Atlanta Howard Chang (USA)
P-0602	Trends in temperature-mortality projections across urban and rural regions under different climate change scenarios in Switzerland Evan De Schrijver (Switzerland)	P-0635	Impact of extreme weather events on Sub-Saharan African child and adolescent mental health: The implications of a systematic review of
P-0603	Examining the Relationship Between Extreme Temperature, Microclimate Indicators, and Gestational Diabetes Mollitus in Program Woman Living in		sparse research findings Hanna-Andrea Rother (South Africa)
	Mellitus in Pregnant Women Living in Southern California	TOPIC	09.
	Anais Teyton (USA)		ONMENT AND HEALTH IN LOW
P-0605	More than a sneeze: Effects of daily		ONMENT AND HEALTH IN LOW MEDIUM INCOME AREAS
	More than a sneeze: Effects of daily airborne pollen exposure on blood pressure in adults (EPOCHAL study) Alexandra Bürgler (Switzerland)		MEDIUM INCOME AREAS Biomonitoring of Exposure to Metals in a Population Residingin an Industrial Area in Brazil: A Feasibility Study
	More than a sneeze: Effects of daily airborne pollen exposure on blood pressure in adults (EPOCHAL study) Alexandra Bürgler (Switzerland) High ambient temperature or ultrafine	AND N P-0690	MEDIUM INCOME AREAS Biomonitoring of Exposure to Metals in a Population Residingin an Industrial Area in Brazil: A Feasibility Study Élida Campos (Brazil)
	More than a sneeze: Effects of daily airborne pollen exposure on blood pressure in adults (EPOCHAL study) Alexandra Bürgler (Switzerland)	AND N	MEDIUM INCOME AREAS Biomonitoring of Exposure to Metals in a Population Residingin an Industrial Area in Brazil: A Feasibility Study
	More than a sneeze: Effects of daily airborne pollen exposure on blood pressure in adults (EPOCHAL study) Alexandra Bürgler (Switzerland) High ambient temperature or ultrafine particles – which one has the largest effect on high burden diseases in New York State (NYS)?	AND N P-0690	MEDIUM INCOME AREAS Biomonitoring of Exposure to Metals in a Population Residingin an Industrial Area in Brazil: A Feasibility Study Élida Campos (Brazil) Detection and Genotyping of Toxoplasma gondii in the Environmental matrices (Soil and Water) in Gaza-Palestine
P-0610	More than a sneeze: Effects of daily airborne pollen exposure on blood pressure in adults (EPOCHAL study) Alexandra Bürgler (Switzerland) High ambient temperature or ultrafine particles – which one has the largest effect on high burden diseases in New York State (NYS)? Shao Lin (USA) Hurricanes, Industrial Hog Operations, and Acute Gastrointestinal Illness in North Carolina, USA	P-0690	MEDIUM INCOME AREAS Biomonitoring of Exposure to Metals in a Population Residingin an Industrial Area in Brazil: A Feasibility Study Élida Campos (Brazil) Detection and Genotyping of Toxoplasma gondii in the Environmental matrices (Soil and Water) in Gaza-Palestine Adnan Al-Hindi (Palestine) Exploring the Relationship between Hog Farm Exposure and Chronic Obstructive Pulmonary Disease (COPD)
P-0610 P-0614	More than a sneeze: Effects of daily airborne pollen exposure on blood pressure in adults (EPOCHAL study) Alexandra Bürgler (Switzerland) High ambient temperature or ultrafine particles – which one has the largest effect on high burden diseases in New York State (NYS)? Shao Lin (USA) Hurricanes, Industrial Hog Operations, and Acute Gastrointestinal Illness in North Carolina, USA Arbor Quist (USA) Method to set the wet bulb globe temperature criterion beyond which the heatstroke alert is issued	P-0693	MEDIUM INCOME AREAS Biomonitoring of Exposure to Metals in a Population Residingin an Industrial Area in Brazil: A Feasibility Study Élida Campos (Brazil) Detection and Genotyping of Toxoplasma gondii in the Environmental matrices (Soil and Water) in Gaza-Palestine Adnan Al-Hindi (Palestine) Exploring the Relationship between Hog Farm Exposure and Chronic Obstructive Pulmonary Disease (COPD) Alisha Crump (USA) How agricultural droughts are contributing to child undernutrition in sub-Saharan Africa

P-0703	Infants (EELI) Study: Methods, Findings, and Contextual Considerations to Launch A Birth Cohort in the Eastern	P-0735	Household Air Pollution and the Nasal Microbiome in Children from Rural Ghana Shoshannah Eggers (USA)
	Mediterranean Region Myriam Mrad Nakhlé (Lebanon)	P-0736	Neighborhood socioeconomic status and the human gut microbiome
P-0709	Wastewater-based epidemiology: an additional tool for TB surveillance? Poovendhree Reddy (South Africa)		composition: relating socioeconomic environment to microbial diversity and MDRO colonization
P-0710	Prevalence and Antibiogram Signature of selected Vibrio species Recovered from Giant Shrimps (Penaeus Monodon) Samples in Malokun Sea, Ilaje, Ondo State, Nigeria Ibukun Adesiyan (Nigeria)	P-0738	Ibrahim Zuniga-Chaves (USA) The Nigerian Environmental Epidemiology Accelerated Research Program (NEEAR): Evaluation of an Environmental Epidemiology Short Course for Nigerian Researchers
P-0711	Differential Impact of Exposure to PM2.5 Composition and Contributing Sectors on Anemia Prevalence Amongst Children Under age five in India Ekta Chaudhary (India)	P-0739	Adetoun Mustapha (Nigeria) Socioeconomic Determinants of Household Stove Use-Choice and Stove Stacking Patterns in Ghana Using Multinomial Logit Models
P-0713	Hakuna matata! Can campus green spaces be restorative? A case study from Tanzania Olga-loanna Kalantzi (Greece)	P-0740	Sulemana Watara Abubakari (Ghana) Health impacts of solid fuel use in Ghana: A nationally representative assessment of cooking-related burns
P-0714	Noise effects on health in studies in Low-Middle-income-countries (LMICs): a mapping review update of epidemiological evidence Yingxin Chen (UK)	P-0741	Misbath Daouda (USA) Developing an Air Quality Health Index for Cape Town, South Africa - A timeseries study Temitope Adebayo (Switzerland)
P-0721	International variations in air pollution and cardiometabolic risk among Ghanaian migrants: The RODAM study George Downward (Netherlands)	P-0742	High-resolution air quality forecasts for LMIC using a combination of machine learning and earth model simulations Noussair Lazrak (USA)
P-0722	The Folic Acid and Creatine Trial: Treatment effects on arsenic metabolite concentrations in blood Ahlam Abuawad (USA)	P-0748	Building stronger public health institutions (BIS) project: Deciphering the burden of air pollution in Ethiopia (2021-2025)
P-0723	Ambient nitrogen dioxide exposures in Latin American cities Josiah Kephart (USA)	P-0750	Abel Weldetinsae Kidane (Ethiopia) Lead exposure is still a serious problem for pregnant women in Nicaragua
P-0725	SARS-CoV-2 Wastewater Based Epidemiology in Low and Lower Middle- Income Countries: A Systematic Review Muhammad Mainuddin Patwary (Bangladesh)	P-0753	Rosa Noemi Fuertes Toledo (Nicaragua) Value of multiple correspondence analysis (MCA) to build road traffic crash typologies in low-income countries in Latin America
P-0728	The health effects of the 2020 Bangladesh floods in the rural and isolated areas Shamsul Huda (Japan)		Steven Cuadra (Nicaragua)
P-0730	Microbial Contamination of the Stem Bark of Mitragyna ledermannii, A Commercially Available Medicinal Plant in the District of Abidjan (Cote d'Ivoire)		

Kouassi Bernadin Kouame (Côte D'Ivoire)



TOPIC 01. ADVANCES IN EPIDEMIOLOGY AND STATISTICAL METHODS		P-0059	Associations of peak season ozone with blood pressure among older adults without hypertension in a high exposure country: evidence from the Chinese
P-0007	Epigenome-wide DNA methylation assists early intervention of Coronary Heart Disease with machine learning models		Longitudinal Healthy Longevity Survey from 2005 to 2018 Xin Zhou (USA)
P-0022	Yike Shen (USA) Stratification score matching: Assessing the association of phthalates on asthma using the Human Health Exposure Analysis	P-0060	Association of blood mercury exposure with depressive symptoms in the Chinese oldest old Jiahui Xiong (China)
P-0023	Resource (HHEAR) Data Repository Stefanie Busgang (USA) Exploring exposure-outcome	P-0061	Accelerated aging modifies impact of ozone on QT interval and markers of inflammation in healthy humans
	relationships inside the VA Normative Aging Study using graph learning Feng Gao (USA)	P-0064	William Weston (USA) Air Pollution and Trajectories of Positive and Negative Affect in Older Women
P-0026	The PFAS-Tox Database: A systematic evidence map of health studies on	P-0066	Andrew Petkus (USA) Narrative Review of Long-Term Exposure
TOPIC (per- and polyfluoroalkyl substances Julia Varshavsky (USA) 22. Aging and Environment		to Traffic-Related Air Pollution on Dementia and Related Outcomes in Older Adults
P-0040	Longitudinal Associations of Air Pollution		Martha Ondras (USA)
	with Body Size and Composition in Midlife Women: The Study of Women's Health Across the Nation	P-0067	Long-Term Air Pollution Exposure and Loss of Independence in the U.S. Boya Zhang (USA)
D 00 10	Xin Wang (USA)	P-0069	Heterogeneous impact of air pollution
P-0043	Associations between traffic-related air pollution and cognitive function in Australian urban settings: the moderating role of diabetes status		exposures on cognitive trajectories in Women's Health Initiative Memory Study in Younger Women Xinhui Wang (USA)
P-0045	Rachel Tham (Australia) Short-term exposure to PM2.5 and daily all-cause dementia and Alzheimer's	P-0071	Residential green space, air pollution, public facility and mortality among older adults in Beijing: a longitudinal cohort
	disease mortality in Connecticut: a time- stratified case-crossover study Chengyi Lin (USA)	D 0070	study Hui Miao (China)
P-0047	Para-dichlorobenzene exposure and serum a-Klotho levels among US	P-0073	Association of exposure to multiple essential trace elements with frailty in Chinese elderly Lin Meng (China)
	participants in their middle and late adulthood Yudan Wei (USA)	P-0074	Associations of cumulative exposure to metal mixtures with metabolic
P-0048	Associations between Air Pollution and Gait Speed in Older Adults Boeun Kim (USA)		dysfunction-associated fatty liver disease in a Chinese aged population Fanjia Guo (China)
P-0050	Incident Dementia and Long-Term Exposure to Constituents of U.S. Fine Particle Air Pollution: A National Cohort Study	P-0075	Association between whole blood essential trace elements and cognitive function in the elderly Yaoyao Lin (China)
	Liuhua Shi (USA)	P-0076	The Interactive Effects of Ambient Air
P-0058	Long-term Ozone Exposure and Incident Frailty in Older Adults: Findings from a Prospective Cohort Study in Chinese Elderly Yuebin Lv (China)		Pollution and Residential Greenness on Overweight and Obesity in Older Adults: Findings from the Chinese Longitudinal Healthy Longevity Survey Lihong Ye (China)

P-0081	Multiple air pollutants co-exposure and health among the older adults in China Linxin Liu (China)	P-0124	Causal relationship between PM 2.5 and diabetes mellitus: Two sample Mendelian Randomization using MR-Base platform Eunji Kim (Korea)
P-0082 P-0083	Interactive effects of physical activity and air pollution on incident dementia Wei Xu (USA) Mapping the complex systems that	P-0125	Short-term effects of fine particulate matter constituents on pulmonary function among adolescents
P-0063	connects the urban environment to	P-0128	Yoshiko Yoda (Japan) Triggering of ST-elevation myocardial
	cognitive decline in older adults: a group model building study Ione Avila-Palencia (UK)	P-0120	infarction by ultrafine particles in New York: changes following Tier 3 vehicle introduction Catherine Yount (USA)
TOPIC		P-0129	Ambient fine particulate matter exposure
AND S	OLLUTION (AMBIENT & INDOOR) SOURCES		and risk of incident breast cancer in the NIH-AARP Diet and Health Study Alexandra White (USA)
P-0085	Air pollution protective measures at personal-level affecting health outcomes: A systematic review and meta-analysis Surabhi Shah (Korea)	P-0135	Source apportionment of ambient PM2.5 using positive matrix factorization (PMF) model in Cape Town, South Africa Janine Wichmannn (South Africa)
P-0092	Association between Long-Term Ambient PM2.5 Exposure and Cardiovascular Outcomes among U.S. Hemodialysis Patients	P-0139	Chronic exposure to air pollution and semen quality in an Asian population Yiqian Zeng (Hong Kong)
	Yuzhi Xi (USA)	P-0145	Associations between long-term air pollution exposure and physical function
P-0095	Short-Term Coarse Particulate Exposure and Daily Cardio-Respiratory Hospital Admissions in the Helsinki Capital Region		in older adults Han-Bin Huang (Taiwan)
D 000/	Enembe Okokon (Nigeria)	P-0146	Adoption of innovative energy efficiency pots to enhance sustained use of clean
P-0096	Particulate matter, albumin/creatinine ratio, and chronic kidney disease in a prospective cohort study Ta-Yuan Chang (Taiwan)		cooking with gas in resource-poor households in Kenya: perceptions from participants of a randomized controlled trial
P-0097	Fine particulate matter infiltration at skilled nursing facilities during wildfire		Willah Simiyu (Kenya)
	season in the Western United States Ethan Walker (USA)	P-0150	Malodour and health risks in the surroundings of an animal rendering plant
P-0099	Educational intervention to promote air pollution knowledge and personal		Eleni Sazakli (Greece)
	exposure mitigation strategies using wearable sensors Trang VoPham (USA)	P-0156	Pregnant women's exposure to 1-hydroxypyrene predicted by airport- related source indicators in an area with low ambient air pollution
P-0107	A hybrid model for estimating number concentrations of ultrafine particles in		Emily Craig (USA)
	central Taiwan Chau-Ren Jung (Taiwan)	P-0161	Hospital admission risks and costs for neuropsychiatric disorders attributable to fine particulate matter in New York State:
P-0113	Household Cooking Fuel Choices and Associated Factors in a Rural and Peri-		a community-level cross-sectional study Jieun Min (Korea)
	Urban Community in Western Kenya Judith Mangeni (Kenya)	P-0167	Individual and regional vulnerability for hospitalization with cardiovascular and
P-0121	Particle Radioactivity: A potential driving factor for PM2.5 toxicity Rebecca Stern (USA)		respiratory diseases in association with short-term ambient PM2.5 exposure Hyungryul Lim (Korea)

P-0171	Impact of the wood-burning Justa stove on Fractional Exhaled Nitric Oxide: A stepped-wedge randomized trial in Honduras Kellin Slater (USA)	P-0200	function in children after COVID-19 pandemic I-Jen Wang (Taiwan)
P-0173	Long-term trends in mortality risks associated with short-term exposure to air pollution in 10 Japanese cities between 1977 and 2015 Hironori Nishikawa (Japan)	P-0202	Measurement of indoor and outdoor SO2 and NO2 and indoor BTEX/ VOC concentrations at pre-schools in Mabopane Township, Tshwane Metropolitan Municipality, Gauteng Province, South Africa
P-0174	Long-Term Association of Air Pollution and Incidence of Lung Cancer in American Elderly Population: A National Study in Medicare Cohort Cristina Su Liu (USA)	P-0203	Joyce Shirinde (South Africa) Health Risk Assessment and Projection of Municipal Solid Waste Disposal in China Jianxun Yang (China)
P-0177	Estimate High-Spatial Resolution of Ground-Level Ozone in Korea during 2001-2020 using Ensemble Model Dohoon Kwon (Korea)	P-0214	Demonstration project to transition from gas to electric induction stoves in affordable housing units: the 'Out of Gas' pilot study Ashlinn Quinn (USA)
P-0178	Long-term and short-term exposures to ambient ozone and sleep quality in China Qian Di (China)	P-0217	"[Classes] are highly affected because of the smoke": Impacts of cooking on air pollution and health among three schools in Nairobi, Kenya Willah Simiyu (Kenya)
P-0179	Exposure to outdoor PM _{2·5} and Risk of Upper Gastrointestinal Cancers in a Large Prospective U.S. Cohort Rena Jones (USA)	P-0221	Correlation between extreme/unusual ozone events and corona effect from electric power transmission & distribution
P-0184	Long-term air pollution exposure and the incidence of cardiovascular diseases among American elderly population Tingfan Jin (USA)		grids. Assessing the health and environmental impact of high-voltage direct current (HVDC) grid on ozone ground levels in Sao Paulo metropolitan area, Brazil
P-0187	Fine particulate matter (PM2.5) levels in Brits, North West province, South Africa Boitshoko Lekwe (South Africa)	P-0222	Pedro Diaz Peralta (USA) Exposure to Household Air Pollution
P-0188	Source apportionment of PM2.5 and PM2.5-bound trace elements in Pretoria, South Africa Janine Wichmannn (South Africa)		(HAP) and measures of central hemodynamic parameters among Bangladeshi population- A cross-sectional study Mohammad Shahriar (USA)
P-0192	Patterns of fuel use, cooking practices and factors associated with the use of LPG for cooking in peri-urban Cameroon Esong Miranda Baame (Cameroon)	P-0228	Fine particulate matter shown to influence cytokine and chemokine levels during pregnancy Amanda Goodrich (USA)
P-0193	Long-term Total and Source-specific PM2.5 in Relation to Incident Dementia in the U.S. Boya Zhang (USA)	P-0229	Ultrafine particulate matter exposure during second year of life associated with increased risk of autism spectrum disorder in mixtures model Amanda Goodrich (USA)
P-0195	Forecasting greenhouse gas emissions from road traffic in 2040 across the Greater Montreal Region of Canada Ying Liu (Canada)	P-0231	Evaluation of adult and pediatric burns from domestic fuel use at the Douala General Hospital, Cameroon Lifafa Kange (Cameroon)
P-0197	A Review of studies using Air Q software for prediction of Air Pollution Health effects in Iran Narges Khanjani (USA)	P-0244	Multiple Air Pollutants Exposure and Leukemia Incidence in Tehran, Iran Narges Khanjani (USA)

TOPIC 04. BUILT AND PHYSICAL ENVIRONMENT EXPOSURES	P-0321	Biomonitoring Legacy and Emerging Contaminants and Local Fish Consumption in Susceptible Great Lakes Populations, 2010-2020
P-0253 Association between historical redlining and neighborhood deprivation in North Carolina Monica Jimenez (USA)	P-0326	Zheng Li (USA)
P-0261 Reduction of noise-induced change in cardiovascular functions and subjective sensations when using passive and active hearing protection devices Chen-Peng Chen (Taiwan)	P-0330	Jiyoung Shin (Korea) Predicting Cumulative Lead (Pb) Exposure Using the Super Learner Algorithm Xin Wang (USA)
P-0279 Heat Policies and AC Availability in US Prison Systems Marjorie Segule (USA)	P-0331	Interactions between chemical mixtures and the overall antioxidant and
P-0287 Modeling energy and exposure benefits through integrated ventilation upgrades and rooftop gardens in a high school in Boston, MA		inflammatory capacity of the diet in the association between dietary exposure to chemical mixtures and mortality risk in the E3N French prospective cohort Chloé Marques (France)
P-0292 The changes of lipid profiles among Chinese adults may be associated with legacy and emerging per- and polyfluoroalkyl substances: Evidence from China National Human	P-0333	Positive association between dietary exposure to polybrominated diphenyl ethers and breast cancer risk in the French E3N cohort: the role of vegetable oil consumption Pauline Frenoy (France)
Biomonitoring Bing Wu (China) P-0297 Greenspace exposure and depressive symptoms: findings from the French	P-0335	Ovarian volume mediates associations of phthalate metabolites with anti-Mullerian hormone in midlife women
CONSTANCES cohort Mohammad Javad Zare Sakhvidi (Iran)	P-0336	Maria Kloboves (USA) Urinary phthalate metabolites and melamine are linked to early renal injury
P-0302 Comparing greenspace metrics and buffer methods in Metro Vancouver, Canada: Implications for environmental		in pregnant mothers in Taiwan Chia-Fang Wu (Taiwan)
health research Katherine White (Canada)	P-0340	Urinary biomonitoring of glyphosate exposure among male farmers and non-
P-0311 Source tracking swine fecal waste on household surfaces proximal to swine concentrated animal feeding operations		farmers in the Biomarkers of Exposure and Effect in Agriculture (BEEA) study Vicky Chang (USA)
in southeastern North Carolina, USA Kathleen Kurowski (USA)	P-0346	air pollutants: dimethylsiloxanes,
P-0312 Trends and Patterns in Industrial and Commercial Sources of Lead (Pb) in the US Nichole Kulikowski (USA)		glycols, butanediol, hydrocarbons, trimethylbenzenes, benzene, naphthalene, and ethyltoluene Kenichi Azuma (Japan)
The state of the s	P-0348	Acetylcholinesterase activity and serum lead concentrations in pregnant women
TOPIC 05. CHEMICAL EXPOSURES		enrolled in the Rio Birth Cohort pilot Study, Brazil
P-0320 Case-cohort study of the association		Aline de Souza Espíndola Santos (Brazil)

P-0349

and bladder among participants in

Prevention II cohort

Andrea Winquist (USA)

between PFAS and cancers of the kidney

the American Cancer Society's Cancer

Persistent organic pollutant levels in

Cohort pilot Study, Brazil

maternal blood, umbilical cord blood,

Aline de Souza Espíndola Santos (Brazil)

and breast milk: Results from the Rio Birth

P-0350	The role of epidemiology studies in chemical risk assessment to inform risk characterization of vulnerable populations in Canada Sareena McDonald (Canada)	P-0386	Persistent Organic Pollutants and Dysregulation of microRNAs Expression in Humans and Animals - A Systematic Literature Review Yijie Li (USA)
P-0353	Exposure to mercury and associated factors in Portuguese adolescents Sónia Namorado (Portugal) Low-level cadmium exposure and	P-0388	Associations of blood lead and cadmium co-exposure and hepatic dysfunction: A cross-sectional study among Chinese adults aged 18 and older
	atherosclerosis in the carotid arteries: results from the Swedish population- based cohort SCAPIS Florencia Harari (Sweden)	P-0392	Xiao Lin (China) Relationships between urinary phthalate metabolites and lipidomic profile in a Taiwanese elderly population
P-0359	Tattoos: a new ancient carcinogen? Milena Foerster (France)	P-0401	Ming-Chieh Li (Taiwan) Exploratory Analysis of Relationship
P-0360	Detection of 4-hydroxychlorothalonil in human serum Annette Krais (Sweden)	P-0401	of Trihalomethane Levels in Water for Human Consumption and Health Profile in Municipalities of Sao Paulo State in
P-0362	The use f potentially toxic skin bleaching products among women in		Brazil Marcio Ribeiro Barbosa (Brazil)
	urban and rural areas in Lagos State and investigation of active chemicals in selected skin lightening products Chidinma Gab-Okafor (Nigeria)	P-0403	Astrocyte-derived extracellular vesicles: novel biomarkers of CNS metal exposure and elimination with applications in discerning the pathogenesis of
P-0368	Per- and polyfluoroalkyl substances (PFAS) exposure and sleep health in U.S. adults, NHANES 2005-2014	P-0404	neurodegenerative diseases Roheeni Saxena (USA) Determinants of exposure to phenols,
P-0369	Pengfei Guo (USA) Association between lead and cadmium exposure and kidney function and		phthalates, parabens and triclosan in pregnant women, Colombia Carlos Gomez (Colombia)
P-0370	mediation effects of atherosclerosis Carl Guldbrand (Sweden) The association of urinary nickel	P-0405	Descriptive analysis of victims of poisoning, suicide attempts and deaths from pesticides in Brazil between 2010
	concentrations with type 2 diabetes and fasting blood glucose levels: A cross-		and 2020 Paulo Junior Paz De Lima (Brazil)
	sectional study from the China National Human Biomonitoring Yingli Qu (China)	P-0407	Mixture effects of gestational synthetic phenol and phthalate exposures on the
P-0377	Exposure to perfluoroalkyl substances, incident Type 2 Diabetes risk and associated metabolic pathway dysregulation in a multiethnic population Vishal Midya (USA)	TOPIC	neuro-behavior of children in the Healthy Start cohort Dorothy Nakiwala (USA) 06.
P-0379	The Breast Milk Perfluorome is Associated with Infant Growth in the First Year of Life	CHILDREN'S ENVIRONMENT 8	PREN'S ENVIRONMENT & HEALTH The effects of combined exposure of
P-0380	Tanya Alderete (USA) Lindane use and the incidence of thyroid cancer in the United States; an ecological study		lead and stress during pregnancy on cognitive development in offspring Xiangrong Guo (China)
P-0385	Maaike Van Gerwen (USA) Exposure of adults aged 18 to 44 years to personal care products (PCPs) in Beijing, China: urinary levels, exposure patterns and risk evaluation Linxue Han (China)	P-0412	Early life organophosphate ester exposures and bone health at age 12 years: The Health Outcomes and Measures of the Environment (HOME) Study Jordan Kuiper (USA)

P-0422	Prenatal exposure to emissions from a coalmine fire and childhood lung function Emily Hemstock (Australia)	P-0470	Multiple air pollutants and renal health in children and adolescents: An 18-year longitudinal study in Asia Cui Guo (Hong Kong)
P-0426	The impact of heat waves on children's kidney health: Systematic review and meta-analysis Youngrin Kwag (Korea)	P-0471	Prenatal air pollution exposure and infant weight trajectories from 3rd trimester to 2 years of age Nan Ji (USA)
P-0427	Comparative Analysis of Health Patterns and Gaps due to Environmental Influences in South Korea and North	P-0480	The Season of Conception and Cerebral Palsy Risk in California Haoran Zhuo (USA)
P-0428	Korea, 2000-2017 Yoorim Bang (Korea) Indoor coal ash and school and social	P-0482	Congenital malformations of the male genital system and risk of attention deficit hyperactivity disorder
F-0420	competency among children aged 6-14 years old	D 0 400	Ran Rotem (USA)
P-0441	Kristina M Zierold (USA) Early life exposure to coal smoke and	P-0490	Early-life exposure to phthalates among infants in Italy: characterization and time trends
P-0441	hospital visitation: findings from a data linkage cohort study	D 0 401	Elena Righi (Italy)
D 0442	Myriam Ziou (Australia)	P-0491	Prenatal exposure to poly- and perfluoroalkyl substances and serum concentrations of vaccine antibodies in
P-0442	Prenatal and early postnatal exposure to air pollution associations with primary care and prescription usage		early childhood Lauren Zell-Baran (USA)
P-0443	Myriam Ziou (Australia) Associations of Prenatal First-Trimester	P-0495	Air Pollution Exposures and Executive Function in Middle Childhood: A U.S.
	Metal Mixtures and Childhood Adipokines in the Project Viva Cohort		Multi-Cohort Study Yu Ni (USA)
P-0444	Anna Rose Smith (USA) Newborn Metabolomics linking prenatal	P-0499	Residential green space as a positive influencer on early childhood bone
	air pollution exposure and autism spectrum disorder risk in children		mineral density Hanne Sleurs (Belgium)
P-0445	Zhanghua Chen (USA) Neonicotinoid, pyrethroid and	P-0502	Study on the concentration of polybrominated diphenyl ethers in serum
	organophosphate urinary metabolites in relation to neurobehavioral performance		of teenagers in Zibo, China Yifu Lu (China)
	in Ecuadorian adolescents Jessica Yen (USA)	P-0504	Launching of CHildren's Environmental health Clinic in Korea (CHECK)
P-0448	Urinary metabolites of volatile organic compounds and polycyclic aromatic hydrocarbons increases the risk of nonalcoholic fatty liver disease in Korean adolescents: A Korean National Environmental Health Survey (KoNEHS)		and Institute of Ewha-Seoul Clinical Laboratories for Environmental Health (IESEH): The first clinic to research model of pediatric environmental health in South Korea Eunhee Ha (Korea)
	2015-2017 analysis Yun-Hee Choi (Korea)	P-0505	A joint analysis of school neighbourhoods' exposure to urban
P-0450	Effect of prenatal PM2.5 and its constituents exposure and fetal growth		environment factors in Greater London Niloofar Shoari (UK)
	pattern on children's accelerated growth in the first three years Shuang Zhou (China)	P-0506	The association between per-/ polyfluoroalkyl substances in serum of teenagers and thyroid
P-0456	Systematic review in 2000-2020 on early childhood developmental conditions of environmental noise exposure Elisa Herrera (Mexico)		function parameters near a Chinese fluorochemical industrial plant: A cross- sectional study Linna Xie (China)

P-0509	Clusters of small-scale sources of air carcinogens emissions increase the risks of acute lymphoblastic leukemia (ALL) in children and teenagers at a small area	P-0542	Air Pollution Mixture and Birth Outcomes: Modification of Placenta Leukocyte Telomere Length and Infant Sex Xueying Zhang (USA)
D 0511	Jaqueline Calderon (Mexico)	P-0548	Prenatal Ambient Air Pollutant Mixture Exposure and Neurodevelopment in Urban Children in the Northeastern
P-0511	Prenatal exposure to Nitrogen Oxides and Waist-to-Height Ratio (WHtR) as a cardiovascular risk factor in school-aged		United States Yueh-Hsiu Mathilda Chiu (USA)
	children participants of the POSGRAD Cohort Priscila Ceja Esparza (Mexico)	P-0549	Associations between Exposure to Prenatal Air Pollution Mixtures and Behavioral Problems in Urban Children
P-0514	Nocturnal temperature range and in		Hsiao-Hsien Hsu (USA)
	children asthma exacerbations in Lima, Peru, 2011-2016 Diego Fano-Sizgorich (Perú)	P-0550	Proximity to coal flyash disposal site and infant neurodevelopment in Sri Lanka Meghan Tipre (USA)
P-0517	Combined exposures to air toxics in		
	early-life and academic achievement in childhood Jeanette Stingone (USA)	TOPIC CLIMA	07. ATE CHANGE AND HEALTH
P-0518	Thyroid Nodules and Cancers in Fukushima: Analysis with Updated UNSCEAR Thyroid Dose Estimates Yutaka Hamaoka (Japan)	P-0551	The mortality burden of nervous system diseases attributed to ambient temperature: a multi-city study in China Yonghong Li (China)
P-0521	Effect modification of greenspace on the associations between environmental exposures and childhood asthma: an intra-city study Shilu Tong (China)	P-0557	Association of heat wave exposure with increased risk of hospitalization for dehydration or heat-related illness in young children in South Korea: A Timeseries study Jongmin Oh (Korea)
P-0524	Prevalence of asthma and asthma symptoms among rural and urban pre- school children in Mpumalanga Province, South Africa	P-0559	Seasonal Temperature Variability and Mortality across the United States James Patrick Healy (Ireland)
	Joyce Shirinde (South Africa)	P-0564	Is short-term exposure to heat associated
P-0533	Early-life exposure to cadmium and onset of puberty in girls: a longitudinal mother-child cohort study in Bangladesh		with mental health compared to other conditions? Anne Weaver (USA)
	Annachiara Malin Igra (Sweden)	P-0569	Temporal Variation in the Association between Temperature and
P-0534	Nearby wildfire impacts, social vulnerability, and birthweight in a rural population		Cardiovascular and Respiratory Mortality in 15 German cities Masna Rai (Germany)
P-0536	Cindy Leary (USA) Allergic rhinitis, rhinoconjunctivitis and	P-0570	Projecting future risk of dengue related
P-0330	hayfever symptoms among pre-school children are associated with school transport mode: an analytical cross		to hydrometeorological conditions in mainland China under climate change scenarios Chuanxi Li (China)
	sectional study Joyce Shirinde (South Africa)	P-0571	The association between ambient temperature and cause-specific
P-0540	Prenatal exposure to PM2.5 and childhood cognition assessed using the NIH Toolbox: A pooled analysis of ECHO		cardiovascular disease admissions in Japan: a nationwide study Pan Rui (Japan)
	cohorts in the Northeastern United States Xueying Zhang (USA)	P-0574	Childhood cognitive and behavioral effects of high summer temperatures Scott Delaney (USA)

P-0579	Impact of Wildfire Exposure on Preterm Births Identified in MarketScan Claims- Based Cohort, 2010-2015 Brooke Staley (USA)	P-0625	Impact of meteorological factors and psychiatric disorders: a French exploratory study. Marine Ambar Akkaoui (France)
P-0583	Comparison of heat-related mortality estimated using ambient temperature and wet-bulb globe temperature in Japan: Supporting evidence for heat health warning system Hironobu Watanabe (Japan)	P-0626	Long term associations of climatic factors on cognition in olderadults: Results from the Reasons for Geographic and Racial Differences in Stroke (REGARDS) Cohort Peter Larson (USA)
P-0585	Meteorological Factors Associated with Visceral Leishmaniasis in São Paulo State,	P-0630	Heat Exposure and Emergency Department Visits for Sepsis in Phoenix, Arizona Stefanie Ebelt (USA)
	Brazil Quinn Adams (USA)	P-0632	Central heating in China and protection against cold temperature mortality: a
P-0586	Climate change and migrant workers: Projections of temperatures and mortality		longitudinal cohort study of older adults Haofan Zhang (China)
	in Kuwait Barrak Alahmad (USA)	P-0634	Allostatic load and climate change: analyzing epidemiological confounding
P-0592	Nonlinear Association between summer high Temperature and Mortality in people aged 65 or more: Past and Recent periods		variables, health effects and adaptative response in osteoporosis and kidney disease associated with NDVI greenness index
P-0607	Jonghyuk Choi (Korea) Projections of temperature-attributable		Pedro Diaz Peralta (USA)
P-0007	suicide under climate change scenarios in Japan Ramita Thawonmas (Japan)	TOPIC	08. D-19 AND THE ENVIRONMENT
P-0608	Prediction of the impact of climate change on the number of heatstroke patients in Tokyo, Japan with heat- adaptation effects Kazutaka Oka (Japan)	P-0638	Knowledge, Attitude and Practice of Health Workers and Shopping mall operators towards Decontamination during COVID -19 Pandemic in Ibadan Taiwo Ademiluyi (Nigeria)
P-0609	Long-Term Exposure to Temperature, Residential Heating and Diabetes Incidence among the elderly population in China	P-0645	Impact of air pollution on cardiovascular mortality during the COVID-19 pandemic in South Korea Whanhee Lee (Korea)
P-0616	Qian Di (China) Seasonal variation in the association between temperature variability and emergency department visits: a multi-site study in China	P-0648	Higher incidence of novel coronavirus (COVID-19) cases in areas with combined sewer systems, heavy precipitation, and high percentages of impervious surfaces Alisha Chan (USA)
P-0617	Yu Wang (China) Effect modification of diabetes as a comorbidity on temperature variability and hospitalization for cardiovascular disease	P-0650	Using Google data and weather factors to predict COVID-19 transmission in Melbourne, Australia: A time-series predictive model Hannah McClymont (Australia)
P-0623	Akira Okada (Japan) The association between ambient temperature and snakebites in Georgia, USA: a case-crossover study Mariah Landry (USA)	P-0652	Health impacts of a reduced aircraft noise exposure during the Covid-19- pandemic - A natural experiment in Stockholm, Sweden Charlotta Eriksson (Sweden)
P-0624	Decrease and seasonal changes of suicides and suicide attempts in France over the last 10 years Marine Ambar Akkaoui (France)	P-0653	Environmental surveillance and clinical assessment of SARS-CoV-2 epidemiology and variant prevalence in an urban area in Spain Luis Perez (Spain)

P-0670	COVID-19 in the Eastern Caribbean: Engaging the Root of III-Health and Unhappiness Steve Whittaker (Saint Kitts and Nevis)	P-0716	Epidemiological characteristics and spatio-temporal distribution patterns of human norovirus outbreaks in China, 2012-2018
P-0671	Long-term exposure to ambient air pollution and COVID-19 incidence in Italy Andrea Ranzi (Italy)	P-0718	Jiao Wang (China) The Risk of CVDs from Desalinated Seawater: A Nested Case-Control Study
P-0674	Long-term Air Pollution Exposure on COVID-19 Risk and Severity	P-0719	Shaoxia Dong (China) Socio-demographic heterogeneities
P-0678	Saira Tasmin (USA) Field measurements of indoor and community air quality in rural Beijing before, during, and after the COVID-19 lockdown Xiaoying Li (Canada)		govern the spatial dynamics of water and food-borne infections in the urban city of Ahmedabad, India Ayushi Sharma (Taiwan)
P-0680	How the COVID-19 infection and deaths are shaped by socioeconomic inequities and air pollution exposure in Mumbai, India?	P-0720	Factors underlying urinary arsenic levels in a population residing close to a coastal heavy-industrial area in southern Taiwan Ming-Tsang Wu (Taiwan)
P-0683	Avik Kumar Sam (India) Environmental, health and economic benefits of Covid-19 lockdown in	P-0726	Determinants of carbon load in airway macrophages in pregnant women Mohammad Miri (Iran)
	Morocco Imane Sekmoudi (Morocco)	P-0727	Association of Traffic-Related Air Pollution with Newborn's Anthropometric Indexes
P-0685	outcomes may be worsened by shorter- and long-term aerosol pollutants exposure Arshad Arjunan Nair (USA)		at Birth Mohammad Miri (Iran)
TODIO		P-0731	Physical Activity Profiles and Uptake of Fitness Tracking Technology among Caribbean Residents
TOPIC			Steve Whittaker (Saint Kitts and Nevis)
	ONMENT AND HEALTH IN LOW MEDIUM INCOME AREAS	P-0732	NutriBodEC: A Cross-sectional Survey on Nutrition and Body Image in the Eastern Caribbean
P-0688	Maximum apparent temperature lowers birth weight and increase hazards of		Steve Whittaker (Saint Kitts and Nevis)
	preterm birth in a constant high ambient temperature exposed population in Piura, Peru	P-0744	Household fuel choices and the risks of cooking-related burns in Ghana Reginald Quansah (Ghana)
D 0490	Diego Fano-Sizgorich (Perú)	P-0745	Urinary pesticide residual levels and acute respiratory infections in children
P-0689	Residential exposure to Pesticides and Cleaning Detergents with increased risk of respiratory and allergic symptoms among farmworkers in Northern Tanzania		under five years of age: Findings from the Offinso North Farm Health Study Reginald Quansah (Ghana)
P-0696	Joseph Bukalasa (Tanzania) Ambient air pollution and Carotid Intima-	P-0746	Differential impact of environment on malaria due to control interventions in
	Media Thickness: a cross-sectional analysis from the Mexican Teachers'		Uganda, 2010-2018 Margaux Sadoine (Canada)
	Cohort (MTC) Karla Cervantes-Martínez (Mexico)	P-0751	Personal exposure to heat amongst older adult women in Tamil Nadu, India
P-0712	The association between urinary concentrations of organophosphate metabolites and asthma-related outcomes at 12-month follow-up among children from informal settlements in Western Cape, South Africa		Aniruddha Deshpande (USA)

Mohamed Aqiel Dalvie (South Africa)

TOPIC 10. ENVIRONMENTAL EQUITY

- P-0762 Health outcomes in redlined versus nonredlined neighborhoods: A systematic review and meta-analysis Eun Kyung Lee (USA)
- P-0764 Identifying susceptibility factors for methylmercury-induced developmental neurotoxicity

 Bita Khoshhal (USA)
- P-0769 Association between historical redlining and preterm birth in North Carolina, 2003-2015

 Adrien Wilkie (USA)
- P-0772 Quantifying sociodemographic inequities in exposure to point source carcinogenic industrial pollution emissions across the United States

 Jessica Madrigal (USA)
- P-0786
 Quantification of green and walkable neighbourhoods across the distribution of social and material deprivation in Metro Vancouver, Canada Katherine White (Canada)
- P-0794 Disparities in adverse birth outcomes attributable to elevated ambient air pollution in the U.S.
 Laura Gladson (USA)

TOPIC 12. EXPOSOME

- P-0806 Use of gradient boosting machine for exposome-wide analyses: application for pharmaceutical risk factors for amyotrophic lateral sclerosis
 Ran Rotem (USA)
- P-0808 World Trade Center Exposome: A novel, data-driven approach to modeling risk and protective factors for adverse mental and physical health outcomes among WTC Responders

 Elza Rechtman (USA)
- P-0815
 Sex-specific associations between prenatal exposure to phthalates and neurocognitive development in Taiwanese children: Application of environmental mixture methods to small study sample
 Shu-Li (Julie) Wang (Taiwan)

TOPIC 13. EXPOSURE ASSESSMENT

- P-0820 Residential greenness, air pollution, and incident ischemic heart disease: A prospective cohort study in China Tiezheng Li (China)
- P-0827 Solar and Geomagnetic Activity Reduces
 Pulmonary Function and Enhances
 Particulate Pollution Effects
 Kritika Anand (India)
- P-0841 The urban vegetation and allergic rhinitis in Montreal, Canada
 Alexandre Barris (Canada)
- P-0843 Spatiotemporal exposure modeling of environmental circadian misalignment Mimi Ton (USA)
- P-0846
 Phenols, parabens and triclosan in maternal urine, Medellín-Colombia
 Carlos Gomez (Colombia)
- P-0849
 Personal exposure to radiofrequency electromagnetic fields in various occupations in Spain

 Maxime Turuban (Spain)
- P-0857 Assessing environmental exposure and socioeconomic history prior to cancer diagnosis
 Bian Liu (USA)
- P-0864 Influence of Environmental and
 Dietary Exposures on Trace Metals and
 Organochlorine Pollutants Accumulation
 Among the Residents of a Major
 Industrial Harbour (Fos-sur-Mer, France)
 Maxime Jeanjean (France)
- P-0867
 Urinary Creatinine Concentrations and Its
 Explanatory Variables in General Chinese
 Population: Implications for Creatinine
 Limits and Creatinine Adjustment
 Saisai Ji (China)
- P-0874 An ecological analysis of the association between industrial air pollution and asthma onset in children of Quebec, Canada

Ying Liu (Canada)

P-0877 Predicting Monthly Communitylevel Radon Concentrations with Spatiotemporal Random Forest Method: a Study in Northeastern and Midwestern United States

Longxiang Li (USA)

P-0879

A National Comparison Between Shortand Long-term Radon Measurements in the United States

Longxiang Li (USA)

P-0883	Case-crossover study between PM2.5 and hospital admissions for respiratory diseases in Pretoria Janine Wichmannn (South Africa)	P-0941	Health risk assessment of PM2.5 and PM2.5-bound trace elements in Pretoria, South Africa Janine Wichmannn (South Africa)
P-0896	Intrauterine exposure to phthalates in pregnant women, Colombia Carlos Gomez (Colombia)	P-0943	Effects of hourly levels of ambient air pollution and the emergency department visits for asthma in Taiwan
P-0898	Occupational Exposure to Diesel Exhaust in Bus Drivers in the New York Metropolitan Area Hsiao-Hsien Hsu (USA)	P-0946	Mu-Jean Chen (Taiwan) The effectiveness of a text messaging intervention trial to reduce mercury contaminants and conserve healthy fish consumption in reproductive age Chicago Asian women Mary Turyk (USA)
HEALT	H IMPACT ASSESSMENT, RISK		
COMI	MUNICATION AND PARTICIPATORY	TODIO	15
	MIOLOGY	TOPIC	-
			IANISMS AND MOLECULAR
P-0912	Health Benefit of PM2.5 Control Legislations in Korea	BIOM	ARKERS
	Eunjin Oh (Korea)	P-0952	The Association of Air Pollution and
P-0913	Association of sound pressure levels		Serum Biomarker Abnormalities in
	and frequency components of road		Individuals with Hemodialysis-Dependent Kidney Failure
	traffic noise with prevalent depression in		Yuzhi Xi (USA)
	Taichung, Taiwan Jia-Yi Lin (Taiwan)	P-0953	Diesel exhaust particles affected heart rate
P-0917		. 0700	variability but not endothelial function -
P-0917	Multiple xenoestrogen air pollutants and breast cancer risk: statistical approaches		Results from a controlled chamber study
	to investigate the combined exposures		Leo Stockfelt (Sweden)
	effect	P-0954	Placental Cellular Composition and Umbilical Cord Metal Concentrations:
	Amina Amadou (France)		A Descriptive Molecular Epidemiology
P-0921	Estimating attributable deaths from short-term pollution effects: Differential		Study Leveraging DNA Methylation
	air pollution impact on cause-specific		Catherine Bulka (USA)
	mortality	P-0965	Impact of urban exposures during
	Ariel Spira-Cohen (USA)		pregnancy on placental small non- coding RNAs
P-0922	Chronic exposure to ambient air pollution		Marta Cosin-Tomas (Spain)
	and the risk of non-alcoholic fatty liver disease: A cross-sectional study in Asia	P-0968	Epigenome-Wide Association of Neonatal
	Xiang Qian Lao (Hong Kong)		Methylation and Prenatal PM2.5 Exposure
P-0933	Interdisciplinary Community-based		Suggests Timing-Specific Effects
	Participatory Health Research across a	D 0070	Milan Parikh (USA)
	Major Industrial Harbour (Fos-sur-Mer,	P-0972	Exposure to Metals and the microRNA Profile of Participants in the Normative
	France) Maxime Jeanjean (France)		Aging Study
P-0934	Association between polycyclic aromatic		Mahdieh Danesh Yazdi (USA)
F-0734	hydrocarbon exposure and esophageal	P-0975	Exposure to persistent organic pollutants
	cancer risk in typical areas of China		and biomarkers of oxidative stress – A
	Yifu Lu (China)		scoping review Jiawen Chen (USA)
P-0938	Cluster analysis of premature deaths	D.0070	· ·
	attributable to PM2.5 in aging	P-0979	Use of high-resolution metabolomics to assess the biological perturbations
	population, South Korea Cham Nguyen Thi (Korea)		associated with maternal exposure to
P-0939	NATURGREEN: Health impact assessment		Bisphenol A and Bisphenol F among
. 0707	of greening Denver through native plants		pregnant African American women
	Michael Garber (USA)		Youran Tan (USA)

P-0982	Short-term PM2.5 exposure and executive function: association and neurophysiological mechanisms Qian Di (China)	P-1029	Early-life exposure to a mixture of phthalates and phenols and child social behavior in a new type of mother-child cohort relying on within-subject pools of
P-0983	Persistent organic pollutant exposure contributes to Black/White differences in		repeated urine biospecimens Vicente Mustieles (France)
	leukocyte telomere length: Evidence from NHANES 1999-2002 Ami Zota (USA)	P-1034	Associations between phthalates and sleep quality in pregnant women with repeated assessment of exposure
P-0984	Effects of prenatal exposure to air pollution on placental molecular hallmarks and black carbon load		Archana Lamichhane (USA)
	Laura-Concepció Gómez Herrera (Spain)	TOPIC	: 17.
P-0990	Phthalates and Adipokines in Midlife Women: A Cross-sectional Study in the Study of Women's Health Across the Nation (SWAN)	INCLU METAI	COMMUNICABLE DISEASES IDING CANCER, CARDIO- BOLIC AND NEUROLOGICAL
P-0992	Mia Peng (USA) Periconceptional and Prenatal Metals Exposure and Extracellular Vesicle miRNA	P-1038	Wildfire Smoke and Symptoms Affecting Mental Health among Adults in Oregon Maria Mirabelli (USA)
	in Breast Milk: A Pilot Study Caitlin Howe (USA)	P-1050	Effect of Cadmium on the Association between Blood Pressures and Telomere
TOPIC	: 16.		Length: A Population-based Cross- sectional Study in Japan
	OBEHAVIORAL CHANGES IN		Kyi Mar Wai (Japan)
	PREN/ADULTS	P-1054	The Effects of Minimally Processed and Ultra-Processed Food Intake on
P-1004	Hair cortisol as a biomarker of chronic stress: influence of school context and bullying lzaro Babarro Velez (Spain)		Cardiovascular Health based on the Korea National Health and Nutrition Examination Survey (KNHANES), 2013-
P-1006	The Association between Exposure to		2015 Lita Kim (Korea)
	Metals and Phthalates during Pregnancy and Children's DSM-oriented Problems at Age Four Years Tsung-Lin Tsai (Taiwan)	P-1055	Association of perfluoroalkyl substances (PFAS) with lipid trajectories in midlife women: the Study of Women's Health Across the Nation
P-1007	Pesticide exposure and development in		Habyeong Kang (USA)
	children living in low- and middle-income countries: a systematic review Aditi Roy (India)	P-1056	Frequent Cannabis Smoking and Association with Prediabetes and
P-1009	Associations of gestational phenol exposure with cognition in 7.5-month-old infants		Diabetes in Early Adulthood Janet Gukasyan (USA)
	Jenna Sprowles (USA)	P-1062	Seasonal variations of hospitalizations for chronic rhinosinusitis by different
P-1011	The effect of Bisphenol A exposure on Attention Deficit Hyperactivity Disorder I-Jen Wang (Taiwan)		endotypes Lan Jin (USA)
P-1019	Early-life critical windows of metal exposure associated with internalizing symptoms in young adolescents Elza Rechtman (USA)	P-1066	Long-term air pollution, cardiometabolic multimorbidity, and genetic susceptibility: a prospective study in UK biobank cohort Meijie Jiang (China)
P-1022	Associations of Prenatal Metal Exposure and Non-nutritive Suck Among Infants from the Puerto Rico Testsite for Exploring Contamination Threats (PROTECT) Birth Cohort Study Christine Kim (USA)	P-1069	Lung Cancer Mortality Risks of Long-term Exposure to Particulate Matter in South Korean Adults Including and Excluding Lung Cancer Patients Miyoun Shin (Korea)

P-1073	Prenatal Maternal and Paternal Household Pesticide Exposure and Childhood Acute Lymphoblastic	TOPIC	: 18. JPATIONAL EXPOSURES & HEALTH
	Leukemia (ALL): Does Exposure Comparison Modeling Influence Risk Estimates?	P-1110	Occupational Hazards among Health Workers in Hospitals of Mukalla City, Yemen Abdulla Bin-Ghouth (Yemen)
P-1076	Alexandra Ruth (USA) Dietary intakes of dioxins and polychlorinated biphenyls (PCBs) and breast cancer risk in 9 European	P-1122	The impact of farm animal exposures on Campylobacter jejuni antibody levels in rural agricultural communities of Iowa, USA Ian Buller (USA)
P-1077	countries Thibault Fiolet (France) Dietary intakes of Dioxins and	P-1125	Health Risk Assessment for Pest Control Workers Using Biocidal Products after COVID-19 Outbreak: A Comparison of EU
P-1077	polychlorobiphenyls (PCBs) and mortality: EPIC cohort study in 9	P-1126	and US Lita Kim (Korea)
P-1079	European countries Thibault Fiolet (France) Long-term atmospheric exposure to	F-1120	Health and Safety Management System (OHSMS) Application in the R.O.K. Navy and Improvement Plan
	PM2.5 and PM10 and breast cancer risk in a case-control study nested in the French E3N cohort from 1990 to 2011	P-1133	Sangji Lee (Korea) Occupational injuries and extreme heat:
P-1081	Delphine Praud (France) Is Cadmium Exposure associated with		An analysis from the hot desert climate of Kuwait Barrak Alahmad (USA)
	Thyroid Cancer? A National Health and Nutrition Examination Survey Analysis Maaike Van Gerwen (USA)	P-1134	Evaluation of lung inflammation from daily exposures to fine and ultrafine particulate matter in a trade school
P-1085	Household Cooking Fuel and Gallbladder Cancer Risk: A Multi-Centre Case Control Study in India Krithiga Shridhar (India)	P-1136	Kynda Tinawi (Canada)
P-1086	Lifetime Chronic Arsenic Exposure and Gallbladder Cancer Risk: Evidence from Endemic Regions of India	P-1138	study Mohammad Javad Zare Sakhvidi (Iran) Occupational heat exposure and
P-1092	Krithiga Shridhar (India) The relation between air pollution and multiple sclerosis hospital admission in		prostate cancer risk: a pooled analysis of case-control studies Alice Hinchliffe (Spain)
	Kerman, Iran using generalized additive models Narges Khanjani (USA)	P-1141	Oxidative stress in workers in indoor and outdoor environments Marco Panizzolo (Italy)
P-1093	Association of copper exposure with prevalence of chronic kidney disease among a Chinese elderly population Fanjia Guo (China)	P-1152	Contribution of Occupational Risk Factors to Lifespan Inequalities across Socio-Occupational Groups in France Narges Ghoroubi (France)
P-1102	The synergistic effects of Particle Radioactivity (Gross Beta Activity) and PM2.5 on Cardiovascular Diseases Mortality	P-1153	Agricultural pesticide exposure assessment in Latin America and the Caribbean. A review study Melisa Romero Asís (Argentina)
P-1105	Shuxin Dong (USA) Serum levels of per- and polyfluoroalkyl substances (PFAS) and aggressive prostate cancer risk in the Prostate,	P-1161	Physically strenuous work in a hot climate and reduced kidney function in the sugarcane industry Katie Applebaum (USA)
	Lung, Colorectal and Ovarian Cancer Screening Trial Sonja Berndt (USA)	P-1174	Assessment of Portuguese firefighters' lifestyle: results from an online survey Sónia Namorado (Portugal)

TOPIC REPRO	19. DUCTIVE OUTCOMES	P-1215	Residential greenspace and birth outcomes in the Chemicals in Our Bodies cohort, San Francisco, California
P-1177	Impact of the COVID-19 pandemic on a pilot sample of women enrolled in the SEMILLA birth cohort study Alexis Handal (USA)	P-1217	Lara Cushing (USA) Maternal Vitamin D levels modify the association between pre-pregnancy Triclosan exposure and neonatal
P-1178	The environmental risk factors of birth defects in Iraq Kali Rubaii (USA)	D 1010	anogenital distance Yan Zhang (China)
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P-1201	Sophie Michel (USA) Metabolome-wide association study of	TOPIC WATER	21. QUALITY
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