



ISEE Young Rennes
June 5-7, 2024

Program

ISEE Young Rennes 2024

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Program at a glance

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June 5	June 6	June 7
	8:00-9:00 Not So Early Morning Sessions	8:00-9:00 Not So Early Morning Sessions
	9:00- 9:30 Welcome	9:00- 9:30 Welcome
9:30-10:00 Welcome	9:30-11:00 Keynote Session	9:30-11:00 Keynote Session
10:00-13:00 Workshops	11:00-11:30 Coffee Break	11h-11h30 Coffee Break
	11:30-13:00 Oral Sessions	11:30-13:00 Oral Sessions
13:00-14:30 Lunch	13:00-14:30 Lunch	13:00-14:30 Lunch
14:30-17:30 Workshops	14:30-15:30 Speed talk Sessions	14:30-15:30 Speed talk Sessions
	15:30-16:00 Break	15:30-16:00 Break
	16:00-17:30 Oral Sessions	16:00-18:00 Keynote Session, Closing & Awards
18:30-20:00 Welcome Cocktail at the Rennes Townhall	From 18:30 Social event & Conference Dinner	





June 5: Preconference Workshops

Click on the session you are interested in to go directly to the corresponding page.

Room D2	Room D5	Room D10	Room D12
9:30-10:00 Welcome, registration			
10:00-13:00 Morning Workshops			
WS1	WS4	WS2	WS3
13:00-14:30 Lunch			
14:30-17:30 Afternoon Workshops			
WS5	WS6	WS7	WS8
18:30-20:00 Welcome Cocktail at the Rennes Townhall			

9:30-10:00 Welcome, registration

Meet us in the EHESP lobby to pick up your badge.

10:00-13:00 Morning Workshops

You can find the detailed workshop program [here](#).

WS1: Statistical methods for studying mixtures and the exposome

- Presenters: Alan Dominguez, Maximilien Génard-Walton, Charline Warembourg
- Location: Room D2

WS2: Exploring spatial data with R

- Presenters: Noémie Letellier, Antoine Lafontaine
- Location: Room D10

WS3: Methods for risk extrapolation from multi-location studies in environmental epidemiology

- Presenter: Pierre Masselot
- Location: Room D12





WS4: Environmental Justice in Europe: closing the gap in air pollution health effects between East and West

- Presenters: Artur Badyda, Zorana Jovanovic Andersen, Natasa Dragic, Lilian Tzivian, Konstantinos Makris, Stevan Savic, Katarina Paunovic
- Location: Room D5

14:30-17:30 Afternoon Workshops

You can find the detailed workshop program [here](#).

WS5: From science to policy: an interactive game to understand development of environmental health policy

- Presenters: Ebba Malmqvist, Zorana Jovanovic Andersen
- Location: Room D2

WS6: All you ever want to know about writing, publishing and reviewing environmental epidemiology papers

- Presenters: Bert Brunekreef (Environ. Epidemiol.), Hanna Boogaard (Env. Int.), Ingrid Dahmen (Environ. Epidemiol.), Payam Dadvand (Environ. Res.), Manolis Kogevinas (EHP), Apolline Saucy (IJPH)
- Location: Room D5

WS7: An introduction to climate data for health analysis

- Presenters: Regan Mudhar, Emily Ball, Chloe Brimicombe, Katharina Wieser
- Location: Room D10

WS8: Elevate your research with reproducibility science practices: a R workshop for young researcher in epidemiology

- Presenter: Stephane Tuffier
- Location: Room D12

18:30-20:00 Welcome Cocktail at the Rennes Townhall

Join us at Rennes Townhall from 18:30 for a welcome cocktail.

Where ? [Pl. de la Mairie, 35000 Rennes, France](#)





June 6

Amphi	Room D2	Room D5	Room D8	Room D10	Room D12
8:00-9:00 Not So Early Morning Sessions					
	NSEMS4	NSEMS1		NSEMS2	NSEMS3
9:00-9:30 Welcome, registration					
9:30-11:00 Keynote session					
11:00-11:30 Coffee Break					
11:30-13:00 Classic Oral Sessions					
O1	O2	O3	O4	O5	O6
13:00-14:30 Lunch					
14:30-15:30 Speed Talk Sessions					
ST1	ST2	ST3	ST4	ST5	ST6
15:30-16:00 Break					
16:00-17:30 Classic Oral Sessions					
O7	O8	O9	O10	O11	O12

18:30-23:00
Social event





8:00-9:00 Not So Early Morning Sessions

NSEMS1: Environmental Epidemiology Research in East and West: courses, funding opportunities and career prospects

- Moderator: Dominika Mucha
- Presenters: Matija Maric, Andrea Dalecká, Ana Jovanovic, Anna Piórkowska, Nikolaos Nikolaou, Stefanie Lanzinger, Matteo Renzi
- Location: Room D5

NSEMS2: Career talk – academia vs. non-academia

- Presenters: Apolline Saucy, Iana Markevych, Petter Ljungman, Margaux Sanchez
- Location: Room D10

NSEMS3: Hands on: one hour to improve your presentation skills

- Presenters: Marine Savouré, Maximilian Schwarz
- Location: Room D12

NSEMS4: Women networking session

- Location: Room D2





9:00-9:30 Welcome, registration

Meet us in the EHESP lobby to pick up your badge.

Come and share a first coffee and chat over some pastries to continue the discussions initiated at the Not So Early Morning Sessions.

9:30-11:00 Keynote session

- Location: [Amphi \(Amphithéâtre Simone Veil\)](#)
- Chairs: Charline Warembourg & Benedikt Wicki

1. [Bénédicte Jacquemin \(Irset, Inserm\) - Welcome to the ISEE Young 2024](#)

2. [Mette Sørensen \(Danish Cancer Institute\) - Health effects of transportation noise](#)

Mette Sørensen, Senior researcher at the Danish Cancer Institute, and Professor at Roskilde University. She has a master's degree in human biology (from 1998) and holds a PhD in Environmental Epidemiology from Copenhagen University (from 2003).

Professor Sørensen is a leading researcher in the field of traffic noise and health and has focused on investigating health effects of noise in large study cohorts. She has been heavily involved in studying effects of noise in relation to diseases not investigated previously, and she was e.g. the first to show associations between road traffic noise and diseases as stroke, diabetes, overweight, and breast cancer.

3. [Ricky Nathvani \(Imperial College London\) - From Above and Below: Images and Computer Vision for Environmental Exposure Measurement](#)

Ricky Nathvani is an Early Career Research Fellow in MRC Centre for Environment and Health, based at the School of Public Health at Imperial. His fellowship weaves two strands of work together: the first is combining high resolution satellite imagery with computer vision techniques for estimating building-level characteristics (e.g. rooftop materials, and dwelling type) across the city of Accra, Ghana, to estimate their effects in both generating outdoor heat exposure through urban heat island effects, and subsequent indoor heat exposure. To support this work with empirical data, in the second strand he helped conduct a city-wide heat measurement campaign, in and outside homes across Accra from 2021-2023 across 145 locations and 120 homes, characterising indoor heat exposure at an unprecedented level. Together, these works aim to create an unprecedented picture of heat exposure in an African city, and its built environment determinants, at scale. Prior to this work, he used a unique series of time-lapsed street view imagery to measure urban activity and air and noise pollution in Accra.





11:30-13:00 Classic Oral Sessions

O1 - Air Pollution 1: New evidence on health effects of air pollution

- Location: [Amphi \(Amphithéâtre Simone Veil\)](#)
 - Chairs: [Thomas Cole-Hunter](#) & [Karl Kilbo Edlund](#)
1. [Maximilian Schwarz](#) - Temporal Variations in the Short-Term Effects of Ambient Air Pollution on Cause-specific Mortality in 380 Urban Areas
 2. [Nikolaos Nikolaou](#) - Air pollution is associated with reduced odor identification: Results from the KORA FIT study
 3. [Marie Bergmann](#) - Short-term exposure to ultrafine particles and respiratory infection hospital admissions in children
 4. [Karl Kilbo Edlund](#) - Long-term ambient air pollution exposure and renal function and biomarkers of renal injury in the population based Swedi
 5. [Alessandro Trentalange](#) - Waste-to-energy plants PM10 emissions and cardio-respiratory health in a residential cohort in Latium region, Italy
 6. [Femke Bouma](#) - Comparison of air pollution mortality effect estimates using different long-term exposure assessment methods
 7. [Hedi Katre Kriit](#) - Increase in sick leave episodes from short-term air pollution exposure: A case-crossover study in Stockholm, Sweden

O2 - Neurological & Mental Health: New evidence on effects of environmental exposures on neurological and mental health

- Location: [Room D2](#)
 - Chairs: [Benedikt Wicki](#) & [Lilian Tzivian](#)
1. [Federica Nobile](#) - Two- and three-dimensional indicators of green and grey space exposure and mental health in a large Italian cohort
 2. [Libor Šulc](#) - Multi-cohort analysis of exposome and its association with ADHD phenotypes in children
 3. [Hilbert Mendoza](#) - Do urban green spaces protect against depressive and anxiety symptoms? Findings from an African low-income country
 4. [Fan Wu](#) - Prenatal Exposome and Autism in Children: An Equal-Life European Multi-Cohort Study
 5. [Rina So](#) - Long-term exposure to outdoor light at night and depressive symptoms among older people in England
 6. [Tommaso Filippini](#) - Outdoor artificial light at night exposure and risk of conversion from mild cognitive impairment to dementia





O3 - Methods: Novel approaches for exposure estimation and epidemiological analysis

- Location: [Room D5](#)
 - Chairs: [Jiawei Zhang & Kathrin Wolf](#)
1. [Behzad Valipour Shokouhi](#) - Comparison of Statistical, Machine Learning and Ensemble Methods to Model Grass and Birch Pollen Concentration
 2. [Arturo De La Cruz Libardi](#) - High-resolution air quality mapping in Great Britain (2003-2021) with ensemble machine-learning and remote-sensing data
 3. [Sofia Tagliaferro](#) - Influence of vegetation spatial resolution on the prediction of pollen concentrations over Northern Italy
 4. [Nidhi Shukla](#) - Mixed Frequency Regression Model For Environmental Epidemiology
 5. [Marcos Quijal-Zamorano](#) - Spatial Bayesian Distributed lag non-linear models: a case study of small-area temperature-mortality association
 6. [Nicolas Jovanovic](#) - Navigating Variable Selection and Mixture Identification: A Comprehensive Simulation Study with Mixture Models
 7. [Arno Pauwels](#) - Local approach to attributable disease burden: a case study for air pollution and mortality in Belgium

O4 - Chemicals: Exposure and health effects

- Location: [Room D8](#)
 - Chairs: [Maximilien Génard-Walton & Youn-Hee Lim](#)
1. [Emma Calikanzaros](#) - Human Oral Exposure to Micro- and Nanoplastics and Plastic Additives in Barcelona, Spain: a serie of single-case studies
 2. [Pauline Frenoy](#) - Investigation of associations between dietary exposure to POPs and ER+ breast cancer risk in the French E3N cohort.
 3. [Adriana Fernandes Veludo](#) - Child exposure to organophosphate and pyrethroid insecticides measured in urine, wristbands and household dust.
 4. [Manel Ghozal](#) - Dietary exposure to mixtures of chemicals in infancy and allergic multimorbidity profiles up to 8 years
 5. [Erich Batzella](#) - Pregnancy blood pressure trajectories in relation to PFAS: a longitudinal study from the Ronneby mother-child cohort.
 6. [Alexandra Richardson](#) - Investigating trace concentrations of per- and poly-fluoroalkyl substances (PFAS) in London drinking water
 7. [Ashna Lallmahomed](#) - Hair versus blood and urine for biomonitoring campaigns: the case of organophosphate flame retardants (OPFRs)





O5 - Environmental exposures & Pregnancy

- Location: Room D10
 - Chairs: Ebba Malmqvist & Rossella Alfano
1. [Marie Tartaglia](#) - Maternal occupational multi-exposures during pregnancy and association with intrauterine growth: the ELFE study
 2. [Wen Lun Yuan](#) - Associations between prenatal exposures to built environment, greenness and air pollution with cord blood metabolites
 3. [Rossella Alfano](#) - Exposome of maternal and cord blood cholesterol in the ENVIRONAGE birth cohort
 4. [Klara Gustin](#) - Toxic metals and essential trace elements in placenta and their relation to placental function
 5. [Yu Zhao](#) - The role of fetoplacental hemodynamics in the association between prenatal traffic-related air pollution and birth weight
 6. [Bethany Knox](#) - Prenatal exposure to per- and polyfluoroalkyl substances, placental function and fetal growth patterns
 7. [Charlotte Van Der Stukken](#) - Elevated placental DNA damage correlates with black carbon accumulation in placental tissue

O6 - Social & Physical Environment

- Location: Room D12
 - Chairs: Lucia Rodriguez-Loureiro & Jeroen de Bont
1. [Mehjar Azzouz](#) - How is socioeconomic status associated with environmental burden? Results from six Swedish cities.
 2. [Emmanuelle Batisse](#) - Filling the gap: Evaluating disparities in exposure to outdoor ultrafine particles and black carbon in urban Canada.
 3. [Matteo Renzi](#) - Socioeconomic disparities in air pollution's effect on cause-specific mortality: A study in central Italy's contaminated
 4. [Stefan Sieber](#) - Early life environmental exposure and childhood morbidity in Southern Mozambique: An exposome approach
 5. [Constanza Vielma](#) - Spatiotemporal dynamics of the temperature-occupational injuries association in Spain: The role of socioeconomic factors
 6. [Dali Kekelidze](#) - Socioeconomic Determinants Effect on Lead Poisoning Among Children: A Retrospective Study of Five Regions in Georgia
 7. [Carmen Peuters](#) - The physical and social exposome during early life and child selective attention: a multi-cohort study





14:30-15:30 Speed Talk Sessions

ST1 - Air pollution: From air quality standards to health impacts and beyond

- Location: [Amphi \(Amphithéâtre Simone Veil\)](#)
 - Chairs: [Hanna Boogaard](#) & [Mariana Simoes](#)
1. [Meltem Kutlar Joss](#) - Recommendations for new air quality standards to protect health in Switzerland
 2. [Nitzan Sagie](#) - Association between pollution and meteorological conditions, and age-related cataract in Israel. Nationwide study
 3. [Mariana Simões](#) - Outdoor air pollution and risk of testing positive for SARS-CoV-2: a test-negative case-control study in the Netherlands
 4. [Suganthi Jaganathan](#) - Identification and spatiotemporal trends of PM2.5 hotspots in India: a nationwide approach
 5. [Runyu Zou](#) - Air pollutants and anti-Mullerian hormone: the Doetinchem Cohort Study
 6. [Danielle Vienneau](#) - Does modelled mobility matter for air pollution exposure assessment? An evaluation of mortality in Switzerland
 7. [Pascale Haddad Thoele](#) - Systematic review on health effects of long-term exposure to UFP
 8. [Emanuela Carloni](#) - Long-term exposure to concentrations of air pollutants and incidence of cancer in the Sacco river cohort study
 9. [Georgia Dyer](#) - Urban Burden of Disease Estimation for Policy Making (UBDPolicy): Health Impact Assessment of environmental stressors

ST2 - Environmental justice from different perspectives

- Location: [D2](#)
 - Chairs: [Daniela Fecht](#) & [Elena Mazzalai](#)
1. [Valentina Quintero Santofimio](#) - Occupational exposures in low- and middle-income countries: a scoping review
 2. [Marie Grandjean](#) - Exploring the gap of environmental and socioeconomic data in the French overseas departments and regions
 3. [Katherine Ogurtsova](#) - Environmental and socioeconomic contextual factors and cognitive function: results from the Heinz Nixdorf Recall Study
 4. [Elena Mazzalai](#) - A Gap Analysis on heat adaptation measures targeted to vulnerable groups. Results from the ENBEL project
 5. [Ashby Sachs](#) - A systematic review of the effectiveness of nature-based social prescribing practices to combat loneliness
 6. [Melissa Lee](#) - Quantifying visible, functional, and accessible green and impacts of socioeconomic status: The case of Leuven, Belgium
 7. [Emile Whaibeh](#) - Home (Un)Safe Home: A Mixed-Methods Exploration of the Impact of Housing Conditions on Maternal Mental Health in Lebanon
 8. [Stine Kloster](#) - Social Inequalities in Noise Annoyances from Neighbors in Denmark in 2021
 9. [Jiawei Zhang](#) - Socioeconomic Disparity in Residential Greenspace Attributable COVID-19 Risk: A Nationwide Cohort Study in Denmark
 10. [Lucie Adélaïde](#) - Do environmental and social inequalities amplify heat exposure during pregnancy? An analysis of 4 French birth cohorts
 11. [Núria Pujol Furelos](#) - Critical Epidemiology meets Environmental Humanities. What will planetary health gain?





ST3 - Climate & Health

- Location: D5
 - Chairs: [Cheng He](#) & [Giorgia Solda](#)
1. [Younes Tebbaai](#) - Analyzing the Saharan oscillation index and its correlation with climate indices
 2. [Kai Wan](#) - Heat-related deaths in England and Wales under climate change: contributions of adaptation, GHGs and aerosols
 3. [Bo Sun](#) - Temperature and Inflammation: Investigating the Impact of Air Temperature on Biomarkers of Inflammation in Elderly Women
 4. [Giorgia Solda](#) - Addressing Vulnerable Populations' Healthcare Needs During Climate Shocks: A Qualitative Case Study in Emilia-Romagna
 5. [Elisa Gallo](#) - Quantifying the anthropogenic contribution to heat-related mortality events with Extreme Event Attribution methods
 6. [Daniela Arsenović](#) - How heat affects human health in Serbia: a review of evidence
 7. [Blanca Paniello-Castillo](#) - Temperature-related mortality during the COVID-19 pandemic: a continental analysis in 805 European regions
 8. [Katharina Wieser](#) - Effects of the Occurrence of Heatwaves on Stillbirth in Mombasa, Kenya
 9. [Lilian Goepf](#) - Projecting the risk of Aedes mosquito-borne disease in Switzerland by 2060 according to various climate change scenarios
 10. [Elisa Gallo](#) - Heat-related mortality in Europe in 2023: Exploring the contributions of adaptation on reducing mortality burden
 11. [Cheng He](#) - Stroke risk associated with cold spells occurring during the warm season

ST4 - Respiratory health

- Location: D8
 - Chairs: [Alexandra Bürgler](#) & [Emilie Burte](#)
1. [Marloes Eeftens](#) - Ambient pollen exposure and pollen allergy symptom severity in the EPOCHAL study
 2. [Ashtyn Tracey Areal](#) - Meteorological effects of mean temperature on lung function and airway obstruction in elderly women.
 3. [Nolwenn Jestin-Guyon](#) - Environmental exposure to pesticides and chronic respiratory diseases
 4. [Emilie Pacheco Da Silva](#) - Long-term deleterious effects of household use of green cleaning products on the evolution of asthma symptoms
 5. [Artur Badyda](#) - Lung function differences in preadolescent children in two Polish cities with different air pollution levels.
 6. [Marine Savouré](#) - Associations between greenness exposure and rhinitis and asthma multimorbidity in the Constances cohort
 7. [Anna Alari](#) - Long-term exposure to air pollution and hospital admission for acute lower respiratory infections in Catalonia.
 8. [Anna Piórkowska](#) - Risk of developing bronchial asthma in children due to exposure to air pollution.
 9. [Lisa Leung](#) - Occupational exposures and lung cancer risk in women: A population-based case-control study in France (the WELCA study)
 10. [Max Oosterwegel](#) - Chemical-wide and metabolome-wide analysis of asthma in the PIAMA birth cohort study





ST5 - Chemical exposures

- Location: D10
 - Chairs: [Adriana Fernandes Veludo](#) & [Konstantinos Makris](#)
1. [Xuan Ren](#) - Dietary intake of non-dioxin like polychlorinated biphenyls is associated with an increased risk of type 2 diabetes
 2. [Pauline Frenoy](#) - Exposure to mixtures of persistent organic pollutants among women in France the '90s
 3. [Neelam Iqbal](#) - Best practices in the public health surveillance of chemical threats
 4. [Matthieu Rolland](#) - Prenatal Phenol Exposure and Child Behavior: Direct Associations and Cortisol Mediation Analysis in BiSC-Sepages cohorts
 5. [Manel Ghozal](#) - Prenatal dietary exposure to mixtures of chemicals and allergic or respiratory diseases up to 5 years
 6. [Franziska Bright](#) - Development of a Job-Task-Exposure Matrix for disinfecting and cleaning chemicals in French healthcare workers
 7. [Barbora Rudzanová](#) - Unravelling the Immunomodulatory Puzzle: PFAS Exposure and Gene Expression Patterns in Czech Populations
 8. [Mareva Geslin](#) - Prenatal exposure to persistent organic pollutants (POP) and steroid hormone levels in boys at age 12 in PELAGIE cohort
 9. [Regina Molomo](#) - Temporal and spatial exposure variability of pesticide biomarkers in South African children sampled over two years
 10. [Ines Amine](#) - Early-life exposure to endocrine-disrupting chemicals and general health in children
 11. [Teresa Urbano](#) - Exploring the link between metal and trace element exposure and dementia risk in a prospective Italian cohort
 12. [Giorgia Stoppa](#) - Geostatistical analysis of geomasked PFAS food contamination data in Veneto Region (Italy)

ST6 - Child and adolescent health

- Location: D12
 - Chairs: [Anna Oudin](#) & [Alan Domínguez](#)
1. [Léa Lefebvre](#) - Exposure to sunlight and allergic morbidity in children from the PARIS birth cohort
 2. [Hanne Croons](#) - Telomere length in early childhood and its association with cognitive performance: a study in 4-6 year old children
 3. [Irina Wipf](#) - Electronic Media, Radiofrequency Fields and Cognitive Function in Swiss Adolescents: Preliminary Cohort Study Findings
 4. [Yifeng Dai](#) - Decreased polyunsaturated fatty acids link Pb exposure with behavioral and emotional problems in preschool children
 5. [Shizhen He](#) - Air pollution exposure and metabolomic markers in children and young adults
 6. [Alan Domínguez](#) - Childhood exposure to air pollution in different microenvironments and cognitive and fine motor function in children
 7. [Xing Jiang](#) - The association of tranquil environment with sleep disturbance in adolescents: a cohort study
 8. [Ani Khachidze](#) - A study of the Georgian population's awareness of climate change with the involvement of adolescents
 9. [Lan Cheng](#) - Mobile phone use and hand grip and pinch strength in the SCAMP study of adolescents
 10. [Lore Verheyen](#) - The impact of greening playgrounds on children's BMI z-score, cognitive performance and pro-social behavior
 11. [Maëlys Pernin-Schneider](#) - Organic foods might be protective against sensitization to aeroallergens at school age: the PARIS birth cohort
 12. [Thaïs De Ruyter](#) - Exploring the impact of lifestyle and environmental exposures on appetite hormone levels in childhood and adolescence





16:00-17:30 Classic Oral Sessions

O7 - Neurodevelopment: New evidence on effects of environmental exposures on neurodevelopment

- Location: [Amphi \(Amphithéâtre Simone Veil\)](#)
 - Chairs: [Evi Samoli](#) & [Carmen Peuters](#)
1. [Anne-Claire Binter](#) - NO₂ Exposure, Attentional Function and Working Memory: Periods of Susceptibility from Pregnancy to Childhood
 2. [Monica Lopez-Vicente](#) - Long-term exposure to traffic air pollution and noise and dynamic brain connectivity across adolescence
 3. [Mariza Kampouri](#) - Early-life exposure to lead, cadmium, and fluoride and cognitive abilities at 4 years
 4. [Michelle Kusters](#) - Traffic-Related Air Pollution and White Matter Microstructure Development Across Childhood and Adolescence
 5. [Chen Shen](#) - The benefit of woodland and other natural environments for adolescents' educational attainment
 6. [Adrian Lee](#) - Maternal exposure to fluoride and child development outcomes in England in the Millennium Cohort from 2000-2008
 7. [Ariane Guilbert](#) - Does placental DNA methylation mediate the association of prenatal exposure to air pollutants with child cognition?

O8 - Urban: Environmental exposures & health in the urban context

- Location: [Room D2](#)
 - Chairs: [Ashtyn Tracey Areal](#) & [Federica Nobile](#)
1. [Thiphanie Riveron](#) - Characterisation of chemical indoor pollutants in British dwellings
 2. [Andrea Dalecka](#) - Air pollution, greenspace, and metabolic syndrome in Czechia and Switzerland: Evidence from HAPIEE and SAPALDIA cohorts
 3. [Maria-Iosifina Kasdagli](#) - Exposure to blue space and natural-cause mortality among 2.4 million people in urban areas of Greece
 4. [Sidharth Sivaraj](#) - Heat- and Cold Related Mortality Impacts Under Future Scenarios of Climate Change and Urbanization in Switzerland
 5. [Sujung Lee](#) - Spatial assessment of the vulnerability to urban heat in cities
 6. [Léa Lefebvre](#) - Does urban environment affect overweight/obesity in adolescents? New insights from the PARIS birth cohort
 7. [Nicolás Valdés](#) - Climate Change and Preterm Births. A Multicity Study, Chile 2010 – 2018.





O9 - Cardiovascular: New evidence on effects of environmental exposures on cardiovascular health

- Location: Room D5
 - Chairs: Kathrin Wolf & Lara Stucki
1. [Benedikt Wicki](#) - The casual architecture of effects of noise on cardiometabolic health: A Structural Equation Modelling Analysis
 2. [Matija Maric](#) - Long-term exposure to air pollution and incidence of atrial fibrillation: a Danish nationwide administrative cohort study
 3. [Huyen Nguyen Thi Khanh](#) - Independent and joint effects of long-term exposure to ambient air pollution and transportation noise on MI
 4. [Lara Stucki](#) - Long-term exposure to air pollution, road traffic noise and greenness, and incidence of myocardial infarction in women
 5. [Alexandra Bürgler](#) - Association between short-term pollen exposure and blood pressure in adults: a repeated-measures study
 6. [Lucía Rodríguez Loureiro](#) - Associations between residential greenspace and hypertension: a cross-sectional analysis in the French Constances cohort
 7. [Jacopo Vanoli](#) - Association between chronic exposure to ambient PM2.5 and cardiovascular events: a UK Biobank study

O10 - Omics: Effects of environmental exposures on methylome, proteome and microbiome

- Location: Room D8
 - Chairs: Johanna Lepeule & Megi Vogli
1. [Megi Vogli](#) - The impact of environmental exposures on DNA methylation in the expanse project
 2. [Zhebin Yu](#) - Short term exposure to low ambient temperature and inflammation-related proteins among young Swedish adults
 3. [Liesa Engelen](#) - Prenatal ambient air pollution alters protein expression profiles in newborns: an ENVIRONAGE birth cohort study
 4. [Chloé Masdoumier](#) - Epigenetic footprint of maternal tobacco smoking: replication of differentially methylated CpGs and regions in placenta
 5. [Thessa Van Pee](#) - Skin microbiome alpha diversity of young children in association with surrounding green space
 6. [Robert van Vorstenbosch](#) - Understanding Irritable Bowel Syndrome through omics technologies: from endotypes to disease response





O11 - Cancer: New evidence on effects of environmental exposures on cancer risk

- Location: [Room D10](#)
 - Chairs: [Rajini Nagrani & Aurélie Danjou](#)
1. [Aurélie Danjou](#) - Perinatal exposure to traffic-related air pollution and risk of childhood leukemia in France
 2. [Teresa Urbano](#) - The dark side of light at night: unveiling the latest epidemiologic evidence on the association with breast cancer risk
 3. [Matthieu Mancini](#) - Residential proximity to vines and childhood cancer risk in mainland France: GEOCAP case-control study, 2006-2013
 4. [Nirmala Prajapati](#) - Outdoor exposure to artificial light at night and breast cancer risk: A case-control study nested in the E3N Cohort
 5. [Mathias Brugel](#) - Pesticides and risk of pancreatic adenocarcinoma in France: a nationwide spatio-temporal ecological study over 10 years
 6. [Stéphane Tuffier](#) - Long-term exposure to air pollution and lung cancer survival in the Danish Nurse Cohort
 7. [Lisa Leung](#) - Occupational exposures and risk of head and neck cancers in the ICARE study

O12 – Policy

- Location: [Room D12](#)
 - Chairs: [Meltem Kutlar Joss & Magdalini Stefanopoulou](#)
1. [Léo Moutet](#) - Different pathways toward net-zero emissions imply diverging health impacts: a health impact assessment study for France
 2. [Katherine Ogurtsova](#) - Revision of the Air Quality Index of the German Environment Agency: work in progress
 3. [Hanna Boogaard](#) - Assessing Health Effects of Long-Term Exposure to Low Levels of Air Pollution: The HEI Experience and What's Next?
 4. [Magdalini Stefanopoulou](#) - Towards a Planetary Health Impact Assessment Framework: the effects of RF-EMF as case study for a conceptual protocol
 5. [Daniel Velázquez-Cortés](#) - Health benefits of Open Streets programmes in Latin America: a quantitative health impact assessment
 6. [Nicole Engelmann](#) - Changes in Transportation Noise Exposure due to Transportation Noise Abatement Measures in Switzerland





18:30-23:00 Conference Fest-Noz

We are delighted to invite you to **the conference Fest-Noz at the Parquet de Bal**, in Rennes! So get ready for a genuine “Soirée Bretonne”! In addition to the classical and delicious galettes & crêpes from la Bretagne, we will host the musicians from the Cercle Celtique de Rennes to perform and introduce us to the traditional dances of the region. Moreover, you will be able to play some typical Breton games that you will for sure spot in many of the bars’ terraces in Rennes! And of course, we will end up the evening dancing with the best international music! Free soft drinks, cider, and beer will be served!

Where?

A 20-minute walk from the conference venue, and a 10-minute walk from the Metro station “Villejean – Université”

Parquet de Bal – Cercle Celtique de Rennes – Ferme de la Harpe

Av Charles et Raymonde Tillon – 35000 Rennes

Join us for a group departure from the conference venue at 18:30.

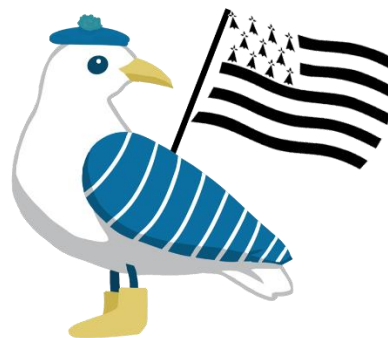
What do you need ?

There is no dress code.

Everyone is welcome! Registration for the conference dinner gives you access to the food, so don't forget your dinner tickets that you will receive at the beginning of the conference.

Participants who have not registered for the dinner can still come and take part in the party (you can even bring your own food to avoid frustration ;)).

Please note that no locker rooms will be available. At the entrance to the facility, there will be a small storage area where you can leave your belongings, but there will be no one to look after them, so it will be your responsibility. We therefore advise you to drop off your most valuable belongings at your hotel before coming to the party.





June 7

Amphi	Room D2	Room D5	Room D8	Room D10	Room D12
8:00-9:00 Not So Early Morning Sessions					
	NSEMS8	NSEMS5		NSEM6	NSEM7
9:00-9:30 Welcome					
9:30-11:00 Keynote session					
11:00-11:30 Coffee Break					
11:30-13:00 Classic Oral Sessions					
O13	O14	O15	O16	O17	O18
13:00-14:30 Lunch					
14:30-15:30 Speed Talk Sessions					
ST7	ST8	ST9	ST10	ST11	ST12
15:30-16:00 Break					
16:00-18:00 Keynote session					





8:00-9:00 Not So Early Morning Sessions

NSEMS5: Grant Proposals – funding opportunities and tips for writing

- Moderator: [Lucía Rodríguez-Loureiro](#)
- Presenters: [Elaine Fuertes](#), [Marloes Eeftens](#)
- Location: [Room D5](#)

NSEMS6: Mobility abroad and cultural adaptation: challenges and opportunities plus tips for adjusting

- Presenters: [Megi Vogli](#), [Jeroen de Bont](#), [Ashtyn Tracey Areal](#), [Nitika Singh](#)
- Location: [Room D10](#)

NSEMS7: AI tools for environmental epidemiology researchers

- Presenter: [Maximilien Génard-Walton](#)
- Location: [Room D12](#)

NSEMS8: Climate networking session

- Location: [Room D2](#)





9:00-9:30 Welcome

Come and share a first coffee and chat over some pastries to continue the discussions initiated at the Not So Early Morning Sessions.

9:30-11:00 Keynote session

- Location: [Amphi \(Amphithéâtre Simone Veil\)](#)
- Chairs: [Petter Ljungman & Jeroen de Bont](#)

1. **Cécile Chevrier (Irset, Inserm) - Early life exposure to pesticides and children's health: turning scientific evidence into action**

Cécile Chevrier is a researcher in epidemiology at the Research Institute for Environmental and Occupational Health (Irset) of the National Institute of Health and Medical Research (INSERM) in Rennes (France). Her research focuses on the role of early-life exposure to environmental chemicals in reproductive and child health, including growth and overweight, neuropsychological development and brain functioning, and puberty. She leads a multi-disciplinary team enabling active interactions between lifecourse epidemiology and exposure science. As PI of the ongoing French mother-child cohort PELAGIE initiated in 2002, she has carried out original research activities, particularly on pesticides and indoor contaminants. She has been involved in European projects for decades, encouraging data sharing. In France, she strongly contributes as a scientific expert to a number of separate actions aimed at promoting better regulation and national or local policy actions in France.

2. **Jade Chaker (Irset, Inserm) - Non-targeted characterization of the human chemical exposome: a new opportunity for exploratory research in environmental health**

Jade Chaker is a postdoctoral researcher at Irset (Research Institute for Environmental and Occupational Health). Her research focuses on the non-targeted characterization of the human internal chemical exposome at a large scale, using high-resolution mass spectrometry and various bioinformatics tools needed for processing the large volume of generated data. She also works on improving the efficiency of annotation through the development of Scannotation, a software tool designed to automatically evaluate the similarity between experimental markers and documented compounds. Through her work, she aims to generate high-throughput and high-quality data, suitable to investigate the links between environmental exposures and human health.





11:30-13:00 Classic Oral Sessions

O13 - Climate & Health

- Location: [Amphi \(Amphithéâtre Simone Veil\)](#)
 - Chairs: [Apolline Saucy](#) & [Elaine Fuertes](#)
1. [Apolline Saucy](#) - Impacts of weather and air pollution on Legionnaires' disease in Switzerland: A national case-crossover study
 2. [Hicham Achebak](#) - Ambient temperature and seasonal variation in in-hospital mortality from respiratory diseases
 3. [Hicham Achebak](#) - Mortality burden in 35 European countries attributed to anthropogenic warming during the record-breaking summer of 2022
 4. [Tomáš Janoš](#) - Temperature-related cause-, sex-, and age-specific ambulance dispatches in Czechia: a nationwide time-series analysis
 5. [Jeroen de Bont](#) - Synergistic associations of heat and ambient air pollution on daily mortality in India
 6. [Chiara Di Blasi](#) - The impact of extreme temperatures on cause-specific mortality in Italy

O14 - Exposure Assessment

- Location: [Room D2](#)
 - Chairs: [Kees de Hoogh](#) & [Youchen Shen](#)
1. [Karl Samuelsson](#) - A comprehensive GPS-based analysis of activity spaces in early and late pregnancy using the ActMAP framework
 2. [Nicolas Loizeau](#) - Extremely-low frequency magnetic fields (ELF-MF) exposure in Switzerland and scenarios of daily averaged levels
 3. [Youchen Shen](#) - Population-wide road traffic noise modeling across Europe using CNOSSOS-EU: comparison to national noise models
 4. [Amanda Durkin](#) - Determinants of exposure to micro- and nano- plastics in women of reproductive age
 5. [Maxime Turuban](#) - Occupational exposure to radiofrequency electromagnetic fields and brain tumor risk: application of the INTEROCC RF-JEM
 6. [Claire Boeree](#) - Ammonia air concentration variations at different heights from ground surface and implications for deposition research.





O15 - Air Pollution 2: Specific attributes of effects of air pollution on health

- Location: Room D5
 - Chairs: Nguyen Thi Khanh Huyen & Artur Badyda
1. [Zhaoyue Chen](#) - Population exposures to extreme-risk temperature events and compound episodes with air pollution in Europe
 2. [Antoine Lafontaine](#) - Exposure to airborne cadmium and lead and cognitive performance among Lyon residents within the French CONSTANCES cohort
 3. [Vanessa Nogueira dos Santos](#) - Short-term effects of particle number size distribution modes on health
 4. [Anne Marb](#) - Short-term effects of NO₂ and PM_{2.5} on cause-specific mortality in four countries: a causal modelling approach
 5. [Pimpika Kaewsri](#) - The comparison of the associations between different ambient air pollution estimates and lung function in UK Biobank
 6. [Pierre Masselot](#) - Effect modification of PM_{2.5}-related mortality risks by the pollutant mix complexity in over 200 cities
 7. [Natasa Dragic](#) - The impact of mass concentration and chemical composition of PM_{2.5} on human health in the City of Novi Sad, Serbia

O16 - Effects of environmental exposures on development, healthy aging and wellbeing

- Location: Room D8
 - Chairs: Thomas Cole-Hunter & Minqi Liao
1. [Minqi Liao](#) - Long-term associations between air pollution and self-perceived health status: results from the KORA-Fit study
 2. [Annachiara Malin Igra](#) - Plasma levels of polyunsaturated fatty acids in childhood and adolescence and obesity markers in young adulthood
 3. [Ines Amine](#) - Biological pathways involved in effects of the early-life exposome on child general health
 4. [S. Claire Slesinski](#) - Particulate matter, nitrogen dioxide, ozone, and self-rated health within the German National Cohort (NAKO)
 5. [Ashtyn Tracey Areal](#) - Emerging environmental determinants of skin aging: the combined role of temperature and humidity
 6. [Ana Inês Silva](#) - New insights into the impact of environmental exposures on childhood bone health
 7. [Shanshan Zuo](#) - Does exposure to pesticides accelerate biological aging? A systematic review and meta-analysis





O17 - Respiratory: New evidence on effects of environmental exposures on respiratory health

- Location: Room D10
 - Chairs: Zhebin Yu & Marloes Eeftens
1. [Sofia Zafeiratou](#) - Individual and location characteristics as modifiers of heat-related respiratory mortality at small area scale in Europe
 2. [Clemens Baumbach](#) - Does living close to allergenic trees affect lung function in German adults?
 3. [Beatrice Cornu Hewitt](#) - Upper Respiratory Tract Microbiota in Association with Goat Farm Exposure
 4. [Kirstine Wodschow](#) - Traffic-related NO₂ and incident asthma children: A register-based study of Greater Copenhagen (2017-2021)
 5. [Jiawei Zhang](#) - Long-Term Exposure to Ambient Air Pollution and Lower Respiratory Infection in Adults: A Danish National Cohort Study
 6. [Silvia Maritano](#) - Exposure to extreme weather events in the first year of life and infant wheezing occurrence
 7. [Bakari Ibrahim](#) - Occupational exposure patterns to disinfectants and cleaning products and asthma among French healthcare workers.

O18 - Pre- & perinatal Exposure and health effects in later life

- Location: Room D12
 - Chairs: Payam Dadvand & Katrien De Troeyer
1. [Charlotte Cosemans](#) - Black Carbon Particles in Human Milk: Assessing Infant's Exposure
 2. [Tal Michael](#) - Ethylbenzene and styrene exposures among pregnant women are associated with decreased male newborns birthweight
 3. [Lola Menant](#) - Prenatal exposure to persistent organic pollutants and pubertal development among 12-year-olds children
 4. [Eleni Renaers](#) - Prenatal particulate air pollution exposure and arterial stiffness in children entering their second decade of life
 5. [Katrien De Troeyer](#) - Surrounding greenness and pollen during pregnancy is associated with infant wheezing: results from the PIPO birth
 6. [Naomi Lejeune](#) - Associations between prenatal PFAS exposure and preadolescents cardiometabolic health.
 7. [Lucile Broséus](#) - Placental epigenetic changes mediating the association between prenatal air pollution exposure and child lung function





14:30-15:30 Speed Talk Sessions

ST7 - Exposome and urban exposures

- Location: [Amphi \(Amphithéâtre Simone Veil\)](#)
 - Chairs: [Danielle Vienneau & Marie Bergmann](#)
1. [Eugénie Albert](#) - Leisure gardening and health: an overview of reviews to inform integrated environmental health assessments
 2. [Konstantinos Makris](#) - Chrono-metabolism of xenobiotics and the utility of exposomic tools: evidence from behavioral change studies
 3. [Stevan Savic](#) - Effect of different green spaces and urbanization types on daily temperature risks and noise pollution
 4. [Anna Soerensen](#) - Newborn insulin-like growth factor 1 protein is associated with prenatal green space exposure
 5. [Laura Houweling](#) - Exposome measurements in the Precision Medicine for more Oxygen (P4O2) COVID-19 cohort.
 6. [Andrea Dalecká](#) - Neighborhood influence on youth alcohol behaviors: A mediation analysis
 7. [Alessio Perilli](#) - Health co-benefits of sustainable mobility interventions: a scoping review of policies and a systematic review protocol
 8. [Justine Sauce](#) - Reconstruction of the radiological component of the exposome in the CONSTANCES cohort: first step of the CORALE project.
 9. [Konstantinos Makris](#) - The application of the urban exposome framework in the CONSTANCES/Paris cohort (Paris UrbanEX)
 10. [Jelena Dunjić](#) - Cooling potential of evaporative mist systems in urban outdoor environments: a case study of Novi Sad, Serbia

ST8 - Brain and neurodevelopment

- Location: [D2](#)
 - Chairs: [Karl Samuelsson & Katherine Ogurtsova](#)
1. [Enock Havyarimana](#) - Associations between traffic noise and incident dementia in UK Biobank
 2. [Nitika Singh](#) - Nurturing Attention through Nature
 3. [Jowy Abi Hanna](#) - Environmental Exposures in Lebanese Infants (EELI): Birth Cohort Examining the Effects on Neurocognitive Development
 4. [Margarethe Woeckel](#) - Is the association between long-term exposure to air pollution and brain morphology mediated by the olfactory pathway?
 5. [Jurriaan Hoekstra](#) - Use of machine learning to identify key predictors of severe sleep disturbance due to nocturnal railway vibration
 6. [Zeinab Bitar](#) - Surrounding greenness and mental health: Findings from the French CONSTANCES cohort
 7. [S. Claire Slesinski](#) - The association between nighttime traffic noise annoyance and self-rated health within the German National Cohort (NAKO)
 8. [Albert Bach](#) - Feathering the Mind: Exploring the Associations Between Bird Biodiversity and Mental Health in Urban Environments.
 9. [Pamela Mariapia Quispe Salcedo](#) - Pesticide Exposure and Cognitive Decline in Farmers: A Study in, Cajamarca, Peru
 10. [Kenneth Vanbrabant](#) - Accumulation of ambient black carbon particles within key memory-related brain regions
 11. [Sophie Lefevre-Arbogast](#) - Dietary exposure to chemical contaminants and risk of dementia in older persons
 12. [Vasco Ferreira](#) - NeuroEpiTool – a research digital tool to ascertain neurological outcomes in population-based studies by a non-ex





ST9 - Air Pollution: from source to solution in occupational and Environmental settings

- Location: D5
 - Chairs: [Matteo Renzi & Margaux Sanchez](#)
1. [Aniek Lotterman](#) - Personal exposure of goat farm workers to particulate matter and endotoxin. Parallel sampling and repeated measurements
 2. [Thiphanie Riveron](#) - Characterisation of fungal species and spore concentration in British dwellings
 3. [Audignon Durand Sabyne](#) - Integrated approach to assess individual exposure to ultrafine particles (UFPs) for epidemiological purposes
 4. [Xuan Chen](#) - Combination of Concentration-Response Functions for PM2.5 and NO2 in Quantifying Air Pollution Mortality Burden
 5. [Robin Wroblewski](#) - Development of a universal home sampler and protocol for the collection of airborne fungal spores.
 6. [Anna Oudin](#) - Human Exposure to Diesel Exhaust and Its Impact on Olfactory Detection Ability and Cognitive Function: A chamber study
 7. [Justie Mak](#) - Occupational health effects of exposure to PM2.5 on the London Underground
 8. [Margaux Sanchez](#) - Establishing inhalation Toxicity Reference Values for particulate matter to improve risk assessment
 9. [Chiara Badaloni](#) - Evaluation of the effects on cause-specific mortality of industrial facilities in the Sacco River area: a cohort study
 10. [Anass Houdou](#) - Predicting Particulate Matter (PM10) Levels in Morocco: A 5-Day Forecast Using the Analog Ensemble Method.
 11. [Anass Houdou](#) - Unveiling Morocco's Potential: Assessing Health and Economic Benefits through Ambient Air Quality Enhancement

ST10 - Early life exposures and birth outcomes

- Location: D8
 - Chairs: [Marine Savouré & Stefany Guarnizo](#)
1. [Selin Girgin](#) - Exploring the Associations of Exposure to Ambient Temperature across Pregnancy with Preterm Birth: When and Who?
 2. [Joline Millen](#) - Placental transcriptome reveals downregulation of AMPK signaling in association with gestational air pollution exposure
 3. [Kassandra Fares](#) - Evidence on environmental exposures and smoking effects on the reproduction of Eastern Mediterranean couples: a review
 4. [Nicolas Jovanovic](#) - Description and predictors of serum concentrations of poly- and perfluoroalkyl substances (PFAS) in French pregnant women
 5. [Shawn Lee](#) - A systematic review and meta-analysis of the effect of gestational PM2.5 exposure and the risk of preterm birth
 6. [Thessa Van Pee](#) - Cord blood proteomic profiles of birth weight and its relation with early life growth trajectories
 7. [Stefany Guarnizo](#) - A Colombian approximation between spatial concentration of particle matter and birth defects.
 8. [Elissa Msallem](#) - Maternal lifestyle factors during pregnancy and the risk of childhood lymphoma - The ESCALE and ESTELLE studies (SFCE)
 9. [Afi Henryoh](#) - Residential radon exposure during childhood and late health effects at adult age, in the CONSTANCES cohort
 10. [Yana Luo](#) - Association of Maternal Inhaled Dose of Traffic-Related Air Pollution in Different Microenvironments with Fetal Growth
 11. [Rachel B Smith](#) - Pregnancy exposure to ambient air pollution and risk of term low birth weight: a systematic review and meta-analysis





ST11 - Exposure assessment and methods

- Location: D10
 - Chairs: [Katarina Paunovic](#) & [Suganthi Jaganathan](#)
1. [Judith Holtjer](#) - Estimating residential PM concentrations in the Netherlands using low cost sensors.
 2. [Antoine Lafontaine](#) - Long-term exposure assessment to drinking water trihalomethanes and nitrate in the French CONSTANCES cohort
 3. [Kathrin Wolf](#) - A prototype platform for mapping cohort metadata with environmental data: the MetaMap³ project
 4. [Elodie Lwendela Kalasa](#) - Domestic indoor radon exposure in Lubumbashi, DR Congo
 5. [Danielle Baguley](#) - Volatile Organic Compound (VOC) emissions from resin 3D printers and operator exposure scenarios
 6. [Connor Young](#) - Modelling outdoor volatile organic compounds in Leicester, UK: improving spatial resolution of exposure assessment tools
 7. [Nikolaos Nikolaou](#) - A machine learning framework for modeling the associations between various environmental features and health
 8. [Shoukai Sun](#) - Comparison between aerial and pedestrian-level greenery in contrasting typologies within Basel, Switzerland
 9. [Femke Bouma](#) - Comparison of long-term air pollution exposure predictions of eight modelling methods
 10. [Csilla Vamos](#) - How exposures of environmental factors correlate across different Euclidean buffer sizes
 11. [Teresa Rebelo](#) - Big data and machine learning-based nutritional and health assessment of dietary patterns
 12. [Katarina Paunovic](#) - Noise annoyance in various acoustic zones in Belgrade, Serbia - a pilot survey

ST12 - Cardiometabolic and cardiovascular outcomes

- Location: D12
 - Chairs: [Petter Ljungman](#) & [Ariadna Curto](#)
1. [Federica Nobile](#) - Ambient air pollution and hypertensive disorders of pregnancy in Rome (Italy)
 2. [Ana Jovanovic](#) - Residential proximity to major roads and the prevalence of gestational diabetes mellitus in Belgrade, Serbia
 3. [Chiara Di Blasi](#) - Long-term exposure to air pollution and incidence of peripheral arterial disease, in the Rome Longitudinal Study
 4. [Nina Pálešová](#) - Firefighters' Exposure to Benzotriazoles and Benzothiazoles, and its Impact on Serum Lipids and Oxidative Stress
 5. [Shradha Mishra](#) - Air pollution exposure and incident cardiometabolic disease in Dutch adults: effect modification by dietary antioxidants
 6. [Nathalie Costet](#) - Prenatal exposure to persistent organic pollutants and body mass index trajectories from birth to age 12
 7. [Ariadna Curto](#) - Air pollution and body composition in overweight and obese adults
 8. [Rajini Nagrani](#) - Association of ambient air pollution with inflammatory and cardiometabolic markers in European children
 9. [Erich Batzella](#) - Association between changes in Serum Lipids and changes in Serum PFAS





16:00-18:00 Keynote session & Awards

- Location: Amphi (Amphithéâtre Simone Veil)
- Chairs: Zorana Jovanovic Andersen & Maximilien Génard-Walton

1. Barbara Hoffmann (Heinrich-Heine-University of Düsseldorf) - The revision of the EU Ambient Air Quality Directive – a case for consequential epidemiology

Barbara Hoffmann graduated from the Medical School of Aachen, Germany, in 1993, where she also received a doctoral degree in Lung Physiology in 1996. She worked in Pulmonary and Internal Medicine before she studied Public Health and received a Masters in Public Health from the School of Public Health in Bielefeld, Germany. From 2001 to 2011, she worked at the Institute of Medical Informatics, Biometry and Epidemiology, Medical School of the University of Duisburg-Essen, Germany, where she founded and developed the Unit of Environmental Epidemiology and Clinical Epidemiology. She was a visiting scientist at Harvard University from 2008 to 2014. Since 2011 she is a Professor of Environmental Epidemiology at the Heinrich-Heine-University of Düsseldorf, Germany. Her research focuses on the investigation of acute and chronic cardiopulmonary, metabolic and neurological health effects of air pollution and noise.

Barbara is Chair of the European Respiratory Society (ERS) Advocacy Council (2023-2026) and has chaired the ERS Environment and Health Committee. She is also a founding member and past chair of the ISEE Europe Chapter. She is engaged in European policy making and aims to bring scientific evidence to the policy making process.

2. Best Speed Talk Competition

3. Awards: Best Speed Talk, Best Abstract, Best Tweezer, Best Sustainable Travel

