

FIRST SCIENTIFIC SYMPOSIUM



Health and Climate Change



Istituto Superiore di Sanità
Italian National Institute of Health

Rome | December 3-5 | 2018



Green event

Scientific Programme Overview

Monday, December 3			
	POCCHIARI ROOM	BOVET ROOM	MAROTTA ROOM
09:00-11:00	Welcome remarks and opening address		
Coffee Break			
11:30-13:00	Opening Plenary Session		
Lunch Break			
14:00-16:00	Oral Session 1	Oral Session 2	Poster Session
Coffee Break			
16:00-18:00	Oral Session 3	Oral Session 4	Oral Session 5
Tuesday, December 4			
09:00-10:45	Oral Session 6	Oral Session 7	Oral Session 8
Coffee Break			
11:15-13:00	Oral Session 9	Oral Session 10	Oral Session 11
Lunch Break			
14:00-16:00	Oral Session 12	Oral Session 13	Poster Session
Coffee Break			
16:30-18:00	Oral Session 14	Oral Session 15	Oral Session 16
Wednesday, December 5			
09:00-11:00	Oral Session 17	Oral Session 18	Poster Session
Coffee Break			
11:30-13:00	Plenary Session		
Lunch Break			
14:00-15:00	Final Plenary Session		
Coffee Break			
15:30-17:00	Closing remarks+Awards+Rome Declaration		

**ISS Museum visit Programme*

Monday	Tuesday	Wednesday
14:00 Italian language	14:00 English language	09:00 Italian language
15:00 Italian language	15:00 English language	10:00 Italian language

**Only for those already booked*

Monday, December 3

- 8:00 **Registration**
9:00 **Welcome coffee**
9.30 **Welcome and opening address**
Walter Ricciardi, President of the Istituto Superiore di Sanità

Institutional Representatives and Special Guests

Giulia Grillo, Minister of Health- invited
Sergio Costa, Minister of Environment
Stefano La Porta, Istituto Superiore per la Protezione e Ricerca Ambientale, Rome, Italy (ISPRA)
Salvatore Parlato, Consiglio per la Ricerca e la sperimentazione in Agricoltura – Rome, Italy , (CRA) (invited)
Massimo Inguscio, Consiglio Nazionale delle Ricerche Rome, Italy (CNR) (invited)
Gaetano Manfredi, Conferenza dei Rettori delle Università italiane
Tedros Adhanom Ghebreyesus, World Health Organization
Maria P. Neira, World Health Organization
Alexander Jones, Food and Agriculture Organization of the United Nations
Christopher Wild, International Agency for Research on Cancer
Andre Jol, European Environment Agency
Tobin Robinson, European Food Safety Agency
Monique Eloit, World Organization for Animal Health- OIE
President, International Association of National Public Health Institutes
Eric Chivian, Director Emeritus Center for Health and the Global Environment Harvard Medical School).

Opening Plenary Session

Chair **Walter Ricciardi**

- 11.30 **The impact of pollution on plenary health Emergence of an Underappreciated Risk Factor**
Philip J. Landrigan
12.00 **Climate Change: Through a Planetary Health Lens**
Howard Frumkin
12.30 **Towards climate smart healthcare: paving the way for a low-carbon, resilient health system**
Tamer S. Rabie
13.00 **Lunch Break**

Oral Session 1 (POCCHIARI ROOM)

ENVIRONMENT AND HEALTH

Chairs: **Eugenia Dogliotti and Chris Wild**

- 14.15 **Interplay of climate change and air pollution on health**
H. Orru
14.45 **Children environmental health and climate change**
I. Iavarone
15.00 **Methods for estimating ingestion exposure to common contaminants: linking land contamination, climate change and ingestion behaviours**
R. Hams
15.15 **Does climate change increase toxic cyanobacterial human health risk)**
M. Manganelli
15.30 **Contrasting-climate skin temperature gradient effects**
K. Makris
15.45 **Discussion**

Oral Session 2 (BOVET ROOM)

CLIMATE CHANGE AND ZOOZOSES

Chairs **Umberto Agrimi and Romano Marabelli**

- 14.15 **Climate change impacts on zoonotic diseases**
K. Murray
14.45 **Systematic and global effects of land use on zoonotic host communities**
R. Gibb
15.00 **Early warning for tick-borne encephalitis hazard. climatic variables and host density successfully explain co-feeding tick transmission in northern Italy**
A. Rizzoli
15.15 **West nile virus in north-eastern Italy: preliminary results of surveillance activities in 2018**
P. Mulatti
15.30 **Mediterranean spotted fever spatio-temporal distribution, and its association with meteorological factors in Spain**
A.R. Vidal
15.45 **Discussion**

Poster Session *December, 3* (MAROTTA ROOM)

- 14.00 **Poster corner**
- 16.00 **Coffee Break**

Oral Session 3 (POCCHIARI ROOM)

CLIMATE CHANGES SCENARIO

Chairs **Antonio Navarra and Vladimir Kendrovski**

- 16.35 **The challenge of climate science**
A. Navarra
- 16.55 **Projected health effects of climate change in WHO European Region**
V. Kendrovski
- 17.15 **What may happen when tropical microalgae spread in temperate waters? The case study of *Ostreopsis* spp. From health impact to chemistry and viceversa**
C. Dell'Aversano
- 17.25 **Impact of mycotoxins on health in climate change scenario**
P. Battilani
- 17.35 **Future health impacts of temperatures and heatwaves considering high resolution climate change scenarios in Italy**
F. de'Donato
- 17.45 **Climate change and river ecosystems: insight from long-term environmental research.**
S. Larsen
- 17.55 **Discussion**

Oral Session 4 (BOVET ROOM)

CLIMATE CHANGE AND CHILDREN HEALTH

Chairs **Maurilio Cipparone and Paola Michelozzi**

- 16.35 **Parks. gateways to healthy living for people and the planet**
D. Allen
- 16.55 **Climate Change, environmental exposures, urban green and children health**
P. Michelozzi
- 17.15 **Greenness and air pollution exposure on children health. A cross sectional study in southern Italy**
S. La Grutta
- 17.25 **Effect modification by socio-economic position and green spaces of short-term exposure to heat and air pollutants on preterm-birth risk. A time series study in Rome, 2001-2013.**
F. Asta
- 17.35 **The restorative effects of outdoor environmental education**
G. Carrus
- 17.45 **Nature: an important ally for children's health**
A. Tavone
- 17.55 **Discussion**

Oral Session 5 (MAROTTA ROOM)

HEALTHIER CITIES

Chairs **Andrea Lenzi and Maria Rosaria Milana**

- 16.40 **Latest developments with EU Climate Change Adaptation Policy and links with health**
J. Milos
- 17.10 **Social interventions to limit. the mortality increase during the summer 2017 heat waves in Rome – Italy**
G. Liotta
- 17.20 **Reducing urban heat waves risk: heat health adaptation plan in Italy**
P. Michelozzi
- 17.30 **Climate and health in large urban areas of Italy: following the change through a dedicated meteorological network**
C. Ferrari
- 17.40 **Discussion**

Oral Session 6 (POCCHIARI ROOM)

MENTAL HEALTH AND CLIMATE CHANGE

Chairs Enrico Alleva and Massimo Biondi

- 09.10 **Climate change and mental health**
M. Biondi
- 09.30 **The impact of climate change on persons with mental health conditions**
A. Preti
- 09.50 **Mental health care in Italy and the climate change challenge**
L. La Sala
- 10.10 **Extreme weather events on mental health**
D. Marazziti
- 10.20 **Natural, urban and historical-urban environments on children affected by ADHD in Italy**
F. Di Carmine
- 10.30 **Changes in feeding due to climate modulated human mental processes and preferences about food**
R.I. Rumiati
- 10.40 **Discussion**

Oral Session 7 (BOVET ROOM)

WATER, SANITATION AND CLIMATE CHANGE

Chairs Luca Lucentini and Oliver Schmoll

- 09.15 **Water safety planning for climate resilience**
R. Moses McKeown
- 09.50 **The Protocol on Water and Health tools to increase resilience to climate change and water-related disasters.**
N. Nikiforova
- 10.10 **Water and sanitation in extreme weather events. Environment and health risks and vulnerabilities.**
L. Sinisi
- 10.25 **Assessment of climate change impacts on groundwaters of semiarid regions. Health-risk for floods.**
C. Masciopinto
- 10.40 **Discussion**

Oral Session 8 (MAROTTA ROOM)

BLUE AND GREEN SPACE

Chairs Lora Fleming and Camilla Puccinelli

- 09.10 **The effects of weather and daylight on current and future nature-based recreational physical activity in England**
L. Elliot
- 09.45 **Healthy Parks Healthy People. Using Europe's network of parks and protected areas as 'Natural Health Centres'**
C. Castell
- 09.55 **Labyrinth, a way to integration**
S. Panigutti
- 10.05 **BlueHealth community level interventions: The case study of Appia Antica Park**
C. Puccinelli
- 10.15 **The Environmental Cultural Center of the Italian Naval League (Lega Navale Italiana) for the propagation of an environmental culture**
V. Manfrini
- 10.25 **Discussion**

- 11.00 **Coffee Break**

Oral Session 9 (POCCHIARI ROOM)

COMMUNICABLE DISEASE AND CLIMATE CHANGE

Chairs Giovanni Rezza and Luca Busani

- 11.25 **Climate and other drivers of infectious disease threat events in Europe.**
J. Semenza
- 12.00 **Risks maps of *Aedes albopictus* in Spain**
D. Gómez-Barroso
- 12.15 **Quantifying the spatiotemporal spread of mosquito-borne infections in non-endemic areas**
G. Guzzetta
- 12.30 **The second autochthonous Chikungunya outbreak in Italy: lessons learned and future challenges**
F. Riccardo
- 12.45 **Discussion**

Oral Session 10 (BOVET ROOM)

HEALTH AND CLIMATE CHANGE. JOINT ACTION FOR SUSTAINABLE DEVELOPMENT

Chairs **Bettina Menne and Rachel Stancliffe**

- 11.25 **Health, climate change and sustainable development**
B. Menne
- 11.45 **Transforming healthcare for a sustainable future**
R. Stancliffe
- 12.05 **A ten year journey in England's NHS: practical steps towards a sustainable health and care system.**
D. Pencheon
- 12.15 **The WHO UNCCC first Italian Country Profile on Climate and Health**
L. Lucentini
- 12.25 **Improving agriculture sustainability through farm's management optimization; the Water-Energy-Food nexus to reduce inputs requirement in intensive cropping systems**
S. Fabiani
- 12.35 **Water reuse in the context of climate changes and sustainable development. The European Project FRAME**
M. Carere
- 12.45 **Discussion**

Oral Session 11 (MAROTTA ROOM)

EVERYTHING ELSE ON HEALTH AND CLIMATE CHANGE

Chairs **Emanuela Testai and Enzo Funari**

- 11.25 **Global warming effects on skeletal anomalies in fish.**
C. Boglione
- 11.35 **Drought effects on freshwater macroinvertebrate community in the Mediterranean: ecological network analysis as an innovative tool for bioassessment.**
G. Pace
- 11.45 **Modelling *Aedes albopictus* dynamics and related arbovirus outbreaks risk in central Italy**
M. Manica
- 11.55 **A modelling analysis of West Nile virus transmission and human infection risk in Veneto (Italy).**
G. Marini
- 12.05 **Spatial correlations of climatic and eco-environmental factors with incidence of human leishmaniasis in Spain**
J. Lopez Moreno
- 12.15 **The Mediterranean basin like a pathogen's soup. a concern for cetacean species inhabiting the Pelagos Sanctuary and the zoonotic significance of some pathogens involved**
C. Grattarola
- 12.25 **Risk evaluation of malaria reemerging in non-endemic areas with a temperate climate**
C. Severini
- 12.35 **Discussion**
- 13.00 **Lunch Break**

Oral Session 12 (POCCHIARI ROOM)

AIR QUALITY, LOW CARBON POLICY HEALTH AND CLIMATIC CHANGE

Chairs **Maria P. Neira and Andrew Haines**

- 14.10 **Addressing Climate Change, a major opportunity for human health**
MP Neira
- 14.40 **Health in the low-carbon economy**
A. Haines
- 15.10 **Short-term effects of temperature on mortality and hospital admissions in Italy during 2000-2010. Results from the beep project**
F. de Donato
- 15.20 **Low carbon footprint technologies to recover and reuse safe resources within the urban water cycle**
F. Fatone
- 15.30 **The interactive effect of temperature and air pollution on mortality: a time series analysis in 25 cities**
M. Scortichini
- 15.40 **Respiratory infectious mortality rates in Italy: the climatic indexes as long term prediction instruments**
S. Bonomo
- 15.50 **Discussion**

Oral Session 13 (BOVET ROOM)

ECOSYSTEM AND HEALTH

Chairs **Laura Mancini and Damia Barceló Cullerès**

- 14.10 **The Eu Globaqua project on multiple stressors in rivers under water scarcity and global change. A reconnaissance study in selected European river basins and the water-energy-food nexus**
D. Barceló Cullerès
- 14.40 **Addressing key challenges of water scarcity affecting warm Mediterranean reservoirs**
MG Antoniou
- 14.55 **An Italian network for the detection of eco-genotoxicological effects in a river basin characterized by flooding and water scarcity**
M. Carere
- 15.10 **“Summer Rain” – increased risk of gastrointestinal and respiratory infections after urban pluvial flooding in the Netherlands**
A. Mulder
- 15.25 **Evaluation of the ecotoxicological impact of municipal wastewaters on wildlife**
F. Spina
- 15.40 **Soil sealing and urban growth in Italy**
M. Munafò
- 15.55 **Discussion**

Poster Session December 4 (MAROTTA ROOM)

- 14.00 **Poster corner**
- 16.00 **Coffee Break**

Oral Session 14 (POCCHIARI ROOM)

GLOBAL HEALTH AND CLIMATE CHANGE

Chairs **Stefano Vella and Maurizio Marceca**

- 16.35 **Impact of climate change on chronic non-communicable diseases.**
S. Vella
- 17.05 **“One health: the MediLabSecure effort towards integrated surveillance of Arbovirus infections in the context of environmental changes.**
S. Declich
- 17.15 **Perception of change, loss of social capital and mental health in migrants from African countries divided by index of vulnerability to climate change.**
P. Michielin
- 17.25 **Effect of global changes in gene polymorphisms on health protection at workplace**
P. Chiarella
- 17.35 **Climate change, migration and consequences for host Countries**
O. Punzo
- 17.45 **Discussion**

Oral Session 15 (BOVET ROOM)

TOOLS AND NEEDS

Chairs **Denis Sarigiannis and Mark Scrimshaw**

- 16.35 **The climate exposome. a new tool for addressing the health impacts of climate change**
D. Sarigiannis
- 17.05 **Heavy Metals Detection using Screen printed Carbon electrodes**
A. Merkoçi
- 17.20 **How can smart technologies address measures for human health protection when extreme events happen? The Challenges of INTCATCH project-**
S. Marcheggiani
- 17.35 **Summer work. Prevention of the effects of heat waves (odc) on the health of workers**
S. Macchiaroli
- 17.50 **Discussion**

Oral Session 16 (MAROTTA ROOM)

FROM THE ENVIRONMENT FRIENDLY GREEN TO THE HEALTHY HOSPITAL

Chairs **Giovanni Capobianco and Luigi Bertinato**

- 16.35 **Hospitals and healthcare system at disaster situations; characteristics and future suggestions**
N. Bitterman
- 17.05 **Communicating the Risk of Adverse Health Outcomes Related to a Changing Climate to Policy Makers and the Public in Maryland, USA**
S. Soneja

- 17.15 **Sustainable and Climate Change Resilient Health Facilities in Europe: The Challenge**
D. Pedrini
- 17.25 **Reduction of inflammatory parameters in asthmatic children in an alpine hospital free from allergens and pollutant.**
E. Baldo
- 17.35 **The short-term effect of pollen on Emergency Room visits in Rome.**
M. De Sario
- 17.45 [Discussion](#)

Wednesday, December 5

Oral Session 17 (POCCHIARI ROOM)

FOOD SECURITY - FOOD SAFETY AND CLIMATE CHANGE

Chairs Tobin Robinson and Renata Clarke

- 09.15 **Climate change and emerging risks for food safety**
A. Maggiore
- 09.45 **Climate changes and “one health”. Examples from the safety assessment of primary production.**
A. Mantovani
- 09.55 **Presence of harmful Dinophysis species and okadaic acid toxicity in shellfish bred in Sardinia (Italy)**
A. Mudadu
- 10.10 **Identifying and preventing climate change threats adversely affecting seafood production, nutritional value and safety.**
F. Cubadda
- 10.25 **Cyanotoxins and climate change. Any consequences for food safety?**
S. Vichi
- 10.40 **Are ciguatoxin-like producers Gambierdiscus spp. and Fukuyoa spp. spreading in the Mediterranean?**
J. Diogèn
- 10.55 [Discussion](#)

Oral Session 18 (BOVET ROOM)

STAKEHOLDERS Round Table

Chairs Maria Rosaria Iardino and Aldo Di Benedetto

- 09.00 B. Rossi, A. Miozzo, A. Citterio, D. Biagioni, G. Bortone

Poster Session December 5 (MAROTTA ROOM)

Chairs Stefania Marcheggiani, Maura Manganelli, Mario Carere

- 09.00 Poster presentations
- 11.00 **Coffee Break**

PLENARY Session (POCCHIARI ROOM)

Chair Luca Rosi

- 11.35 **Thinking outside the box. Translating science into innovation for policy, advocacy, and business**
T. Bouley
- 12.00 **Communication of environmental risks.**
A. Contri
- 12.30 **Migration and Climatic Change**
I. Annesi-Maesano
- 13.00 **Lunch Break**

FINAL PLENARY Session (POCCHIARI ROOM)

Chair Walter Ricciardi

- 14.00 **Policy and Science**
A. Bergman
- 14.30 **Evidence and economic interests**
G. Negro (CNH Industrial)
- 15:00 **Coffee Break**
- 15.30 **Closing remarks+Awards+Rome Declaration**
W. Ricciardi/ E. Dogliotti/A. Haines/Philip J. Landrigan/ Maria Gracheva (Invited) /Maria P. Neira

Poster exhibition (Marotta ROOM)

		Monitor number					
		hours	1	2	3	4	5
December 3	14:00	P01					
	14:30	P02					
	15:00	P03					
	15:30	P05					
	14:00		P04				
	14:30		P06				
	15:00		P41				
	15:30		P42				
	14:00			P07			
	14:30			P08			
	15:00			P09			
	15:30			P10			
	14:00				P11		
	14:30				P12		
	15:00				P64		
	15:30				P43		
	14:00					P13	
	14:30					P44	
	15:00					P50	
	15:30					P66	
14:00						P35	
14:30						P49	
15:00						P51	
15:30						P23	
December 5	Monitor number						
	hours	1	2	3	4	5	6
09:00	P39						
09:00		P40					
09:00			P60				
09:00				P61			
09:00					P62		
09:00						P27	

		Monitor number					
		hours	1	2	3	4	5
December 4	14:00	P14					
	14:20	P15					
	14:40	P45					
	15:00	P46					
	15:20	P47					
	15:40	P22					
	14:00		P16				
	14:20		P17				
	14:40		P18				
	15:00		P19				
	15:20		P20				
	15:40		P21				
	14:00			P28			
	14:20			P29			
	14:40			P30			
	15:00			P31			
	15:20			P48			
	15:40			P52			
	14:00				P32		
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	15:00				P36		
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	15:40				P54		
	14:00					P24	
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	14:40					P56	
	15:00					P57	
	15:20					P67	
	15:40					P68	
	14:00						P25
	14:20						P26
14:40						P53	
15:00						P58	
15:20						P63	
15:40						P65	

INTERNATIONAL SCIENTIFIC COMMITTEE

Walter Ricciardi Istituto Superiore di Sanità, Rome, Italy
Eugenia Dogliotti Istituto Superiore di Sanità, Rome Italy
Antonio Navarra Euro-Mediterranean Center on Climate Change, Bologna, Italy
Christopher P. Wild World Health Organization, Lyon, FR
Denis Sarigiannis Aristotle University of Thessaloniki, Thessaloniki, Greece
Lora Fleming University of Exeter Medical School, Truro, United Kingdom
Andrew P. Haines London School of Hygiene and Tropical Medicine, London, United Kingdom
Timothy Bouley Former World Bank, Washington, USA
Eric Chivian Former Harvard University, USA.
Philip J. Landrigan Boston College, Boston, USA
Mauricio H. Avila Former National Institute of Public Health, Mexico City, Mexico



Walter Ricciardi (IT)



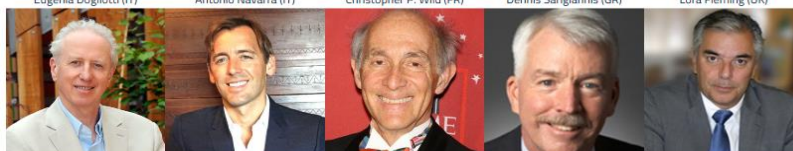
Eugenia Dogliotti (IT)

Antonio Navarra (IT)

Christopher P. Wild (FR)

Dennis Sarigiannis (GR)

Lora Fleming (UK)



Andrew P. Haines (UK)

Timothy Bouley (USA)

Eric Chivian (USA)

Philip J. Landrigan (USA)

Mauricio Hernández-Avila
(MEX)

Observers

Maria P. Neira World Health Organisation, Geneva, Switzerland
Bettina Menne World Health Organisation, Copenhagen, Denmark

LOCAL SCIENTIFIC COMMITTEE

Laura Mancini Department of Environment and Health, Istituto Superiore di Sanità, Rome Italy
Umberto Agrimi Department of Food Safety, Nutrition and Veterinary Public Health Istituto Superiore di Sanità, Rome Italy
Enrico Alleva *former* Behavioural Science and Mental Health Centre, Istituto Superiore di Sanità, Rome, Italy
Luca Busani Department Infectious Diseases, Istituto Superiore di Sanità, Rome, Italy
Mario Carere Department of Environment and Health Istituto Superiore di Sanità, Rome, Italy
Paola De Castro Scientific Knowledge and Communication Superiore di Sanità, Rome, Italy
Simona Gaudi Department of Environment and Health, Istituto Superiore di Sanità, Rome, Italy
Stefania Marcheggiani Department of Environment and Health Istituto Superiore di Sanità, Rome, Italy
Paola Michelozzi Department of Epidemiology Lazio Regional Health Service, Rome, Italy
Giovanni Rezza Department Infectious Diseases, Istituto Superiore di Sanità, Rome, Italy
Camilla Puccinelli Department of Environment and Health Istituto Superiore di Sanità, Rome, Italy
Emanuela Testai Department of Environment and Health, Istituto Superiore di Sanità, Rome, Italy
Stefano Vella National Center for Global Health, Istituto Superiore di Sanità, Rome, Italy

LOCAL ORGANIZING COMMITTEE

Fabiola Giuliano Office of the President Istituto Superiore di Sanità, Rome, Italy
Tonino Sofia Office of the President Istituto Superiore di Sanità, Rome, Italy
Maria Mosetti Department of Environment and Health - Istituto Superiore di Sanità, Rome, Italy
Alessia Borzi Department of Environment and Health - Istituto Superiore di Sanità, Rome, Italy
Stefania Bocci External Relations Service Istituto Superiore di Sanità, Rome, Italy
Silvia Stacchini External Relations Service Istituto Superiore di Sanità, Rome, Italy

INSTITUTIONAL REPRESENTATIVES AND SPECIAL GUESTS

Giulia Grillo Minister of Health- invited, Rome Italy
Sergio Costa Minister of Environment, Rome Italy
Stefano La Porta Istituto Superiore per la Protezione e Ricerca Ambientale, Rome, Italy (invited)
Salvatore Parlato Consiglio per la Ricerca e la sperimentazione in Agricoltura – Rome, Italy (invited),
Massimo Inguscio Consiglio Nazionale delle Ricerche Rome, Italy (invited),
Gaetano Manfredi Conferenza dei Rettori delle Università italiane, Rome Italy (invited)
Monique Eloit World Organization for Animal Health, Paris, France
Tedros Adhanom Ghebreyesus World Health Organization, Geneva, Switzerland
Alexander Jones Food and Agriculture Organization of the United Nations, Rome Italy
Andre Jol European Environment Agency, Copenhagen, Denmark
Christopher P. Wild International Agency for Research on Cancer, Lyon, France

INVITED SPEAKERS AND CHAIR PERSON

Umberto Agrimi Department of Food Safety, Nutrition and Veterinary public health Istituto Superiore di Sanità, Rome Italy
Diana B. Allen Healthy Parks Healthy People-National Park Service-Office of Public Health, Washington DC, USA
Enrico Alleva Centre for Behavioural Science and Mental Health Istituto Superiore di Sanità, Rome, Italy
Isabella Annesi -Maesano Epidemiology of Allergic and Respiratory Diseases Department , Institute Pierre Louis of Epidemiology and Public Health, Medical School St Antoine, Paris, France
Damia Barcelo Institute of Environmental Assessment and Water Research, Barcelona, Spain
Ake Bergman Environmental Chemistry, Stockholm University, Stockholm, Sweden
Luigi Bertinato Clinical Governance Unit, Istituto Superiore di Sanità, Rome Italy
Massimo Biondi Neurosciences and Mental Health Department, Sapienza University of Rome, Italy
Noemi Bitterman Industrial Design, Technion, Israel Institute of Technology, Haifa, Israel
Timothy Bouley *former* World Bank, Washington DC, USA
Luca Busani Department of Infectious Diseases, Istituto Superiore di Sanità, Rome Italy
Giovanni Capobianco Sant Eugenio Hospital, Rome, Italy
Mario Carere Department of Environment and Health, Istituto Superiore di Sanità, Rome Italy
Eric Chivian Director of the Center for Health and the Global Environment Harvard Medical School, Boston, USA.
Maurilio Cipparone DNA Network, Consorzio Universitario CURSA, Rome, Italy
Renata Clarke Food Safety and Quality Officer, Food and Agriculture Organization of the United Nations, Rome, Italy
Alberto Contri Pubblicità Progresso Milan, Italy
Aldo Di Benedetto General Directorate for Health Prevention, Ministry of Health, Rome Italy
Eugenia Dogliotti Department of Environment and Health, Istituto Superiore di Sanità, Rome Italy
Lewis Elliot European Centre for Environment and Human Health, University of Exeter Medical School, Truro, UK
Lora Fleming European Centre for Environment and Human Health, University of Exeter Medical School, Truro, UK
Howard Frumkin Head, Our Planet, Our Health, Wellcome Trust. London, UK
Enzo Funari *former* Department of Environment and Health, Istituto Superiore di Sanità, Rome, Italy
Andrew P. Haines London School of Hygiene and Tropical Medicine, London, UK
Rosaria Iardino Fondazione the Bridge, Milan, Italy
Vladimir Kendrovski European Centre for Environment and Health, World Health Organization (WHO), Bonn, Germany
Liliana La Sala Prevention of Addiction, Doping and Mental Health Office, Ministry of Health, Rome Italy
Philip J. Landrigan Schiller Institute for Integrated Science and Society, Boston College, Boston, USA.
Andrea Lenzi Health City Institute, Rome, Italy
Luca Lucentini Department of Environment and Health, Istituto Superiore di Sanità, Rome, Italy
Angelo Maggiore European Food Safety Authority, Parma, Italy
Laura Mancini Department of Environment and Health, Istituto Superiore di Sanità, Rome Italy
Maura Manganelli Department of Environment and Health, Istituto Superiore di Sanità, Rome Italy
Romano Marabelli World Organization for Animal Health, Paris, France
Maurizio Marceca Public Health and Infectious Diseases Department, Sapienza University of Rome, Italy
Stefania Marcheggiani Department of Environment and Health, Istituto Superiore di Sanità, Rome Italy
Rory Moses McKeown World Health Organization, Geneva, Switzerland
Bettina Menne Health and Development WHO Regional Office for Europe, Copenhagen, Denmark
Paola Michelozzi Epidemiology Department of the Regional Health Service - Lazio, Rome, Italy
Maria R. Milana Department of Environment and Health, Istituto Superiore di Sanità, Rome Italy
Jelena Milos Climate Action DG, European Commission, Brussels, Belgium
Kris Murray Faculty of Medicine Grantham Institute - Climate Change and the Environment Imperial College, London, UK
Antonio Navarra Euro-Mediterranean Center on Climate Change, Bologna, Italy
Maria P. Neira Public Health and the Environment Department, World Health Organisation, Geneva, Switzerland
Giorgina Negro CNH Industrial, Torino, Italy
Hans Orru Department of Public Health-University of Tartu, Estonia
Antonio Preti Center for Consultation-Liaison Psychiatry and Psychosomatics University Hospital, University of Cagliari
Camilla Puccinelli Department of Environment and Health, Istituto Superiore di Sanità, Rome Italy
Tamer S. Rabie, World Bank, Washington, USA
Giovanni Rezza Department of Infectious Diseases, Istituto Superiore di Sanità, Rome Italy
Tobin Robinson Scientific Committee and Emerging Risks Unit, European Food Safety Authority, Parma, Italy

Luca Rosi International Affairs Office, Istituto Superiore di Sanità, Rome Italy
Denis Sarigiannis Aristotle University of Thessaloniki, Thessaloniki, Greece
Oliver Schmall European Centre for Environment and Health World Health Organization, Bonn, Germany
Mark Scrimshaw Institute of Environment, Health and Societies, Brunel University London
Jan Semenza European Centre for Disease Prevention and Control, Solna, Sweden
Rachel Stancliffe The Centre for Sustainable Healthcare, Oxford, UK
Emanuela Testai Department of Environment and Health, Istituto Superiore di Sanità, Rome Italy
Stefano Vella National Center for Global Health, Istituto Superiore di Sanità, Rome Italy
Cristopher P. Wild International Agency for Research on Cancer World Health Organization, Lyon, France

SPEAKERS

Maria Grazia Antoniou Department Environmental Science and Technology, University of Technology, Cyprus, Limassol
Federica Asta Department of Epidemiology, Lazio Regional Health Service ASL Roma 1, Rome, Italy
Ermanno Baldo Istituto Pio XII, Misurina (BL), Italy
Paola Battilani Department of Sustainable Crop Protection, Università Cattolica del Sacro Cuore, Piacenza, Italy
Daniele Biagioni, Coordinatore Rete Città Sane, Comune di Modena, Modena, Italy
Clara Boglione Department of Biology, University of Rome Tor Vergata, Rome, Italy
Sergio Bonomo Institute of Biomedicine and Molecular Immunology "Alberto Monroy", National Research Council, Palermo, Italy
Giuseppe Bortone, Arpa Emilia Romagna, Bologna, Italy
Mario Carere Department of Environment and Health, Istituto Superiore di Sanità, Rome, Italy
Giuseppe Carrus Roma Tre University, Department of Education, Rome, Italy
Carles Castell Commission of Health and Protected Areas. EUROPARC Federation, Regensburg, Germany
Pieranna Chiarella Department of Occupational and Environmental Medicine, Epidemiology and Hygiene. Rome, Italy
Annalisa Citterio, CNH Industrial N.V. Turin, Italy
Francesco Cubadda Department of Food Safety, Nutrition and Veterinary Public Health, Istituto Superiore di Sanità, Rome, Italy
Silvia Declich National Centre for Global Health, Istituto Superiore di Sanità, Rome, Italy
Francesca De Donato Dipartimento di Epidemiologia Regione Lazio, Rome, Italy
Carmela Dell'Aversano Department of Pharmacy. University of Napoli Federico II, Napoli, Italy
Manuela De Sario Dipartimento di Epidemiologia Regione Lazio, Rome, Italy
Francesca Di Carmine Department of Developmental and Socialization Processes Psychology Sapienza University of Rome, Italy
Jorge Diogene, IRTA, Ctra. Poble Nou, Sant Carles de la Ràpita, Spain
Laura Fabiani University of Rome Tor Vergata, Rome, Italy
Francesco Fatone Università Politecnica delle Marche, Ancona, Italy
Rory Gibb Centre for Biodiversity and Environment Research, University College London, London, UK
Diana Gomez-Barroso, National Center for Epidemiology. Instituto de Salud Carlos III. Madrid, Spain.
Carla Grattarola Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Turin, Italy
Giorgio Guzzetta Fondazione Bruno Kessler, Trento, Italy
Rebecca Hams Field Epidemiology Training Programme, Public Health England, London UK
Ivano Iavarone Department of Environment and Health, Istituto Superiore di Sanità, Rome, Italy
Stefania La Grutta National Research Council of Italy, Institute of Biomedicine and Molecular Immunology, Palermo, Italy
Cinzia Ferrari Department of Environment and Health, Istituto Superiore di Sanità, Rome, Italy
Stefano Larsen Department of Civil, Environmental and Mechanical Engineering, University of Trento. Trento, Italy
Giuseppe Liotta Biomedicine and Prevention Dept. University of Rome "Tor Vergata", Rome, Italy
Jorge J. Lopez-Moreno Medical Resident in Public Health. National School of Public Health. Instituto de Salud Carlos III Madrid, Spain
Stefania Macchiaroli Dipartimento di Prevenzione, Regione Lazio, ASL ROMA 6, Rome, Italy
Konstantinos C. Makris Cyprus International Institute for Environmental and Public Health, Limassol, Cyprus
Valerio Manfrini Technical-Scientific Committee of Environmental Cultural Center, Sperlonga, Latina Italy
Maura Manganeli Department of Environment and Health, Istituto Superiore di Sanità, Rome, Italy
Mattia Manica Department Biodiversity Molecular Ecology. Fondazione Edmund Mach, San Michele all'Adige, Trento, Italy
Alberto Mantovani Department of Food Safety, Nutrition and Veterinary public health, Istituto Superiore di Sanità, Rome, Italy
Daniela Marazziti Dipartimento di Medicina Clinica e Sperimentale, Section of Psychiatry, University of Pisa, Pisa, Italy
Stefania Marcheggiani Department of Environment and Health, Istituto Superiore di Sanità, Rome, Italy
Giovanni Marini Department of Biodiversity and Molecular Ecology, Research and Innovation Centre, Fondazione Edmund Mach, San Michele all'Adige, Trento, Italy
Costantino Masciopinto CNR IRSA, Bari, Italy
Arben Merkoçi Catalan Institute of Nanoscience and Nanotechnology and The Barcelona Institute of Science and Technology, Barcelona, Spain
Paolo Michielin Department of General Psychology, University of Padua, Padua, Italy
Agostino Miozzo Protezione Civile, Rome Italy
Alessandro Mudadu Istituto Zooprofilattico Sperimentale della Sardegna, Sassari, Italy
Paolo Mulatti Istituto Zooprofilattico Sperimentale delle Venezie, Legnaro Padua, Italy
Annemieke Mulder Centre for Infectious Disease Control, National Institute for Public Health and the Environment. Bilthoven, Netherlands
Michele Munafò Italian Institute for Environmental Protection and Research,, Rome, Italy
Nataliya Nikiforova Environmental Affairs Officer United Nations Economic Commission for Europe Joint UNECE, Geneva, Switzerland
Giorgio Pace Centre of Molecular and Environmental Biology Department of Biology, University of Minho, Braga, Portugal
Stefano Panigutti IC XII Circolo Borgo Faiti, Latina, Italy
Daniela Pedrini Italian Society of Architecture and Engineering for Healthcare, Bologna, Italy
David Pencheon Public Health England Sustainable Development Unit SDU, Fulbourn, Cambridge, UK
Camilla Puccinelli Department of Environment and Health, Istituto Superiore di Sanità, Rome, Italy
Ornella Punzo Office of the President Istituto Superiore di Sanità, Rome, Italy
Flavia Riccardo Department of Infectious Diseases, Istituto Superiore di Sanità, Rome, Italy
Annapaola Rizzoli Department of Biodiversity and Molecular Ecology, Research and Innovation Centre, Fondazione Edmund Mach, San Michele all'Adige, Trento, Italy
Benedetta Rossi, Clima e Salute, Italian Climate Network, Brescia Italy
Raffaella Rumiati Scuola Internazionale Superiore di Studi Avanzati, Trieste, Italy
Matteo Scortichini Department of Epidemiology of the Lazio Region Health Service ASL Roma 1, Rome, Italy
Francesco Severini Department of Infectious Diseases, Istituto Superiore di Sanità, Rome, Italy
Luciana Sinisi Italian National Institute for Environmental Research and Protection, Italy, Rome
Sutyajeet Soneja World Health Organization, Geneva, Switzerland
Federica Spina Mycotheca Universitatis Taurinensis, University of Turin, Turin, Italy
Angela Tavone Consorzio Universitario per la Ricerca Socioeconomica e per l'Ambiente, Dipartimento Rete DNA, Rome, Italy
Susanna Vichi Department of Environment and Health, Istituto Superiore di Sanità, Rome, Italy
Adriana Romani Vidal Preventive Medicine and Public Health at Ramón y Cajal Hospital, Madrid, Spain