

Health of People, Health of Planet and Our Responsibility

Climate Change, Air Pollution and Health

2-4 November 2017



THURSDAY 2 NOVEMBER 2017

Words of Welcome

- 9:00 **Werner Arber** | President, PAS
9:05 **Msgr. Marcelo Sánchez Sorondo** | Chancellor, PAS
9:15 **Opening Address: Cardinal Parolin** | Secretary of State, Vatican

I. Broader Context

- 9:30 **Complexity of Life and its Dependence on the Environment**
Werner Arber | PAS
- 9:50 Discussion
- 10:10 **How Do Our Actions Undermine Nature?**
Partha Dasgupta | PAS
- 10:30 Discussion
- 10:50 Coffee Break
- 11:20 **Climate Change, Air Pollution and Health**
V. (Ram) Ramanathan | PAS
- 11:40 Discussion
- 12:00 **Climate Change, Air Pollution and Health: WMO and Lancet Assessment**
Diarmid Campbell-Lendrum | WHO
- 12:20 Discussion
- 12:40 Lunch at the Casina Pio IV

II. Air Pollution, Climate Change and Public Health: Linkages

- 14:10 **Air and Climate Pollution Sources**
Jos Lelieveld | Director, Max Planck Institute for Chemistry, Mainz
- 14:30 Discussion
- 14:50 **Climate Change Extremes, Tipping Points and Health Risks**
John Schellnhuber | PAS
- 15:10 Discussion
- 15:30 **Mortality, Morbidity and Mental Health Effects**
Jonathan Samet | Institute for Global Health; University of Southern California

15:50 Discussion

16:10 ***Climate Change and Disease***
Liu Qiyong | Center for Disease Control, China

16:30 Discussion

16:50 Coffee Break

III. Air Pollution, Climate Change and Planetary Health: Linkages

17:20 ***Sustaining Life: Human Health-Planetary Health Linkages***
Howard Frumkin | Professor of Environmental Health Sciences, University of Washington School of Public Health

17:40 Discussion

18:00 **Biodiversity and Extinction**
Peter Raven | PAS

18:20 Discussion

18:40 ***Sustaining Fresh Water***
Ignacio Rodríguez Iturbe | PAS

19:00 Discussion

19:20 ***Global Leadership Session I: Call to Action***
Michelle Bachelet | President of Chile

19:40 Discussion

20:00 Dinner at the Casina Pio IV

FRIDAY 3 NOVEMBER 2017 | OUR RESPONSIBILITY: SOLUTIONS

IV. Overarching Solutions

9:00 ***Sustainable Development Goals and Health***
Jeffrey Sachs | Director of The Earth Institute, Columbo University

9:20 Discussion

9:40 ***Challenges and Opportunities for a Sustainable Planet***
Y.T. Lee | PAS

10:00 Discussion

10:20 ***Ten Solutions for Carbon Neutrality and Climate Stability***
V. (Ram) Ramanathan | PAS

10:40 Discussion

11:00 Coffee Break

11.30 ***Energy Transition for Carbon Neutrality***
Adnan Z. Amin | Director-General, International Renewable Energy Agency

11.50 Discussions

V. Societal Transformation Solutions

- 12.10 ***Reducing Risks to Health***
Sir Andrew Haines | Epidemiologist; London School of Hygiene and Tropical Medicine
- 12.30 Discussion
- 12:50 ***Healthy People, Healthy Planet***
Erminia Guarneri | Cardiologist and President of the Academy of Integrative Health & Medicine
- 13.10 Discussion
- 13:30 Lunch at the Casina Pio IV
- 15:00 ***Caring For Creation: The Evangelical's Guide to Climate Change & a Healthy Environment***
Rev. Mitchell C. Hesco | President/CEO; Evangelical Environmental Network
- 15.20 Discussion

VI. Poor and Other Vulnerable Populations

- 15.40 ***Environmental and Climate Justice***
Fonna Forman | Co-Director, Center for Global Justice, University of California at San Diego
- 16.00 Discussion
- 16.20 ***Migration and Displacement: PAS-UCLA Report***
Marcelo Suárez-Orozco | Distinguished Professor of education, and Wasserman Dean, School of education, UCLA
- 15:20 Discussion
- 16.40 ***Climate, Refugees, and Health in the Middle East***
Wael Al Delaimy | Professor and Division Chief of Global Health, University of California at San Diego
- 17.00 Discussion
- 17.20 ***Energy Access for the Poor: Scalable Solution***
Dan Kammen | Distinguished Professor of Energy at the University of California, Berkeley; Climate Science Envoy for the U.S. State Department
- 17.40 Discussion
- 18.10 Coffee Break
- 18:30 ***Climate/Health Financing Using Wireless Technologies for the Bottom Three Billion***
Nithya Ramanathan | (USA), Mobile Technology for Health and Environment Impact Studies; President of Nexleaf Analytics (Los Angeles)
- 18:50 Discussions

VII: Global Leadership Session II: Call to Action

- 19:10 ***California as a Living Laboratory***
Senator Kevin de León | President pro Tempore of the California State Senate
- 19:30 Discussion
- 19:50 Dinner at the Casina Pio IV

Guest of Honor: Her Royal Highness Queen Letizia of Spain

VIII. Call to Action from Global Leaders

Chair: Maria Neira | Director WHO

- 9:00 **Keynote Speaker: Honorable Jerry Brown** | Governor of California
- 9:20 **WHO Director General**
- 9:30 **Congressman Scott Peters** | US House of Representatives
- 9:40
- 9:50 **Honorable Anne Hidalgo** | Mayor of Paris
- 10:00 **Panel Discussion**
- 10:20 **Coffee Break**

IX. Call to Action from Civic Society

Chair: Richard Horton | Editor-in-Chief of Lancet

- 10:50 **Chien Jen Chen** | Academia Sinica & Former Health Minister
- 11:00
- 11:10 **Jeremy Farrar** | CEO, Wellcome Trust
- 11:20 **Kate Hampton** | CEO, Children's Investment Foundation
- 11:30 **Edward Maibach** | University Professor, George Mason University
- 11:40 **Lize Van Susteren** | Psychiatrist, Advisor Harvard Center for Health and Global Environment

X. Call to Action from Faith Leaders

Chair: H.E. Msgr. Marcelo Sánchez Sorondo | Chancellor, PAS

12.15 to 13.00

- Mata Amritanandamayi (Amma)** | Hindu Spiritual Leader and Chancellor Amrita University, India
- Rt. Rev. Alastair Redfern** | Bishop of Derby, UK
- Rev. Dr. Leith Anderson** | National Association of Evangelicals (USA)
- Rabbi David Rosen** | Israel

13.00 Lunch

14.30 to 15.00: *Meeting Summary and Declaration*

V. Ramanathan, Msgr. Marcelo Sánchez Sorondo, Partha Dasgupta, Jeffrey Sachs

