

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 **Joachim von Braun** | 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 *Air Pollution, Oxidative Stress and Public Health in the Anthropocene*
Ulrich Pöschl | Director, Max Planck Institute for Chemistry

19:00 Discussion

19:20 *The Chilean Government's Initiatives to Mitigate or Eradicate the Negative Consequences of Climate Change*
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 *Sustaining Fresh Water*
Ignacio Rodríguez Iturbe | PAS

11:50 Discussion

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** **Dr. Dorota Czerucka** | Département de Biologie Médicale, Centre Scientifique de Monaco
- 13:20** General Discussion
- 13:40** Lunch at the Casina Pio IV
- 15:00** *Air Pollution and Cardiovascular Disease: A Proven Causality*
Conrado Estol | Director, Stroke Unit, Guemes Clinic, University of Buenos Aires School of Medicine
- 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

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 **Alberto Rodríguez Súa** | Governor of San Luis, Argentina **(tbc)**
- 9:50 **Hon. Gian Luca Galletti** | Minister of the Environment and Protection of Land and Sea, Italy
- 10:00 **Panel Discussion**
- 10:20 **General Discussion**
- 10:40 **Coffee Break**

IX. Call to Action from Civic Society

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

- 11:05 ***Caring For Creation: The Evangelical's Guide to Climate Change & a Healthy Environment***
Rev. Mitchell C. Hescox | President/CEO; Evangelical Environmental Network
- 11:15 **Jeremy Farrar** | CEO, Wellcome Trust
- 11:25 **Kate Hampton** | CEO, Children's Investment Foundation
- 11:35 **Edward Maibach** | University Professor, George Mason University
- 11:45 **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

- 11:55 to 12:40
Sri Sri Ravi Shankar | Humanitarian Leader, Spiritual Teacher and Ambassador of Peace, India **(tbc)**
Rt. Rev. Alastair Redfern | Bishop of Derby, UK
Rev. Dr. Leith Anderson | National Association of Evangelicals (USA)

12:40 **Lunch at the Casina Pio IV**

- 14:00 to 14:30
Meeting Summary and Declaration
V. Ramanathan, Msgr. Marcelo Sánchez Sorondo, Partha Dasgupta, Jeffrey Sachs

