



INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS
UNION GEODESIQUE ET GEOPHYSIQUE INTERNATIONALE

International Cooperation in Earth and Space Sciences

*Celebrating the 100th Anniversary of
the International Union of Geodesy and Geophysics*

29 July 2019

Salle II, UNESCO Headquarters

125 avenue de Suffren - Paris 07, France

International Cooperation in Earth and Space Sciences

Celebrating the 100th Anniversary of the International Union of Geodesy and Geophysics

29 July 2019, Salle II, UNESCO Headquarters, 125 avenue de Suffren - Paris 07, France

PROGRAM

- 09:30-10:00** Registration
- 10:00-11:30** ***Opening Ceremony***
CHAIR: *Kathryn Waler*, President, International Union of Geodesy and Geophysics (IUGG)
Shamila Nair-Bedouelle, Assistant Director-General for Natural Sciences, United Nations Educational, Scientific and Cultural Organization (UNESCO)
Heide Hackmann, CEO, International Science Council (ISC)
Elena Manaenkova, Deputy Secretary-General, World Meteorological Organization (WMO)
Ricardo Mena, Chief of Support and Monitoring of Sendai Framework Implementation, United Nations Office for Disaster Risk Reduction (UNDRR)
Lassina Zerbo, Executive Secretary, Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO)
Presentation of IUGG Commemorative Plaques
Special Session: Guest of Honor: H.S.H. Prince Albert II of Monaco
Presentation of the IUGG Honorary Membership award to the Guest of Honor H.S.H. Prince Albert II
Speech by H.S.H. Prince Albert II
End of Opening Ceremony
- 11:30-11:45** **Coffee Break**
- 11:45-12:45** **SESSION 1: Earth and Space Sciences and Society**
CHAIR: *Kathryn Whaler*, IUGG President
- 11:45-12:05 Centennial of the International Cooperation in Earth and Space Sciences
Alik Ismail-Zadeh
 Karlsruhe Institute of Technology, Karlsruhe, Germany
 Russian Academy of Sciences, Moscow, Russia
- 12:05-12:25 Climate and our Planet
Valérie Masson-Delmotte
 French Alternative Energies and Atomic Energy Commission, Paris, France
- 12:25-12:45 Disasters and Society
Marcia McNutt
 National Academy of Sciences, Washington, D.C., USA
- 12:45-13:30** **Buffet Lunch**

13:30-15:10 **SESSION 2: Earth Science for Sustainable Development****CHAIR: Chris Rizos**, IUGG President-Elect

13:30-13:50 International Lithosphere Program: Satisfying scientific curiosity and addressing societal needs
Sierd Cloetingh

Utrecht University, Utrecht, The Netherlands

13:50-14:10 The Earth from space

Kurt Lambeck

Australian National University, Canberra, Australia

14:10-14:30 Ocean science for sustainable development

Vladimir Ryabinin

Intergovernmental Oceanographic Commission, UNESCO, Paris, France

14:30-14:50 Water and life

Alberto Montanari

University of Bologna, Italy

14:50-15:10 Science education in the developing world

Fernando Quevedo, Abdelkrim Aoudia

Abdus Salam International Center for Theoretical Physics, Trieste, Italy

15:10-15:30 **Coffee Break****15:30-16:15** **SESSION 3: Strengthening International Cooperation in Science and Education in a Multi-Cultural World (Panel Discussion)****MODERATOR: Michael Sideris**, IUGG Immediate Past President**PANELISTS:****Robin Bell**, Lamont-Doherty Earth Observatory, Columbia University, Palisades, USA**Paul Arthur Berkman**, Fletcher School of Law and Diplomacy, Tufts University, USA**Anny Cazenave**, Observatoire Midi-Pyrénées, Toulouse, France**Athena Coustenis**, Paris Observatory, Meudon, France**Ligia Pérez Cruz**, Institute of Geophysics, National Autonomous University of Mexico, Mexico**Arkady Volozh**, Yandex Company, Russia

- 16:15-17:00** **SESSION 4: 21st Century's Triad: Sustainable Development, Climate Change and Disaster Risk Reduction (Panel Discussion)**
- MODERATOR:** *Alik Ismail-Zadeh*, ISC Secretary, IUGG Immediate Past Secretary General
- PANELISTS:**
- Josef Aschbacher*, Earth Observation Programmes, European Space Agency, Frascati, Italy
- Harsh Gupta*, National Geophysical Research Institute, Hyderabad, India
- Heike Langenberg*, Nature Geoscience
- Carlos Slim*, Telmex, América Móvil, and Grupo Carso, Mexico
- Detlef Stammer*, Center for Earth System Research and Sustainability, University of Hamburg, Germany
- Kristof Vandenberghe*, Earth Sciences and Geo-hazards Risk Reduction, UNESCO, Paris, France
- 17:00-17:10** Closing remarks by the IUGG President
- 17:15-17:45** We Love our Planet!
Music performance by the PhiloGaïa Orchestra
- 18:00-19:00** **Cocktail Reception**