



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

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PROGRAM

- 09:30-10:00** Registration
- 10:00-11:00** **SESSION 1: Opening Ceremony**
CHAIR: Kathryn Whaler, President, International Union of Geodesy and Geophysics (IUGG)
Shamila Nair-Bedouelle, United Nations Educational, Scientific and Cultural Organization (UNESCO)
Heide Hackmann, International Science Council (ISC)
Elena Manaenkova, World Meteorological Organization (WMO)
Mami Mizutori / Ricardo Mena, United Nations Office for Disaster Risk Reduction (UNDRR)
Lassina Zerbo, Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO)
H.S.H. Prince Albert II of Monaco
- 11:00-11:40** **SESSION 2: Introduction and Awards Ceremony**
CHAIR: Chris Rizos, IUGG President-Elect
- 11:00-11:20 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
- 11:20-11:40 Presentation of IUGG Commemorative Plaques
- 11:40-11:45 Presentation of the IUGG Honorary Membership award to H.S.H. Prince Albert II
- 11:45-12:00** Coffee Break
- 12:00-12:40** **SESSION 3: Earth and Space Sciences and Society**
CHAIR: Kathryn Whaler, IUGG President
- 12:00-12:20 Climate and our Planet
Valérie Masson-Delmotte,
 Commissariat à l'énergie atomique et aux énergies alternatives,
 Paris, France
- 12:20-12:40 Disasters and Society
Marcia McNutt
 National Academy of Sciences, Washington, D.C., USA
- 12:40 – 13:30** Buffet Lunch

13:30-15:10 **SESSION 4: 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 5: 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 6: 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
- 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 PhiloGaia Orchestra
- 18:00-19:00** Cocktail Reception