

2nd SOFIA EARTH FORUM ON GRAND CHALLENGES, SOLUTIONS AND LEGITIMACY

Time: 31 October - 1 November 2018

Venue: Cultural Centre Sofia (Kallvikinniementie 35, FI-00980 Helsinki, Finland)

Wednesday 31 October

09.30 Opening word: Finnish Orthodox Church Metropolitan Ambrosius

09.40 Aims of the Forum: Academician Markku Kulmala

SESSION: BRIDGING THE WORLD THROUGH SCIENCE AND SOFT POWER, Chair Sergej Zilitinkevich

09.50 The Arctic Science Agreement propels science diplomacy, Paul Arthur Berkman, Director, Science Diplomacy Center, Professor of Practice in Science Diplomacy, Fletcher School of Law and Diplomacy, Tufts University, USA, KEYNOTE

10.20 Climate change impacts in urban areas, Robert Bornstein, San Jose University, USA

10.40 Non-organic origination of oil in the context of Grand Challenges, Vladimir Kuchеров, Royal Tech. University, Sweden / Gubkin Oil and Gas University, Russia

11.00 Group Photo

11.15 Lunch

SESSION: CHANGING WORLD - PERSPECTIVES, Chair Alexander Frolov

12.30 Bishop Flavian of Cherepovets and Belozersk, Russian Orthodox Church, KEYNOTE

13.00 On the role of science diplomacy, global initiatives, IEAS-Europe, Markku Kulmala, University of Helsinki, Finland, KEYNOTE

13.30 New horizons for the ecological thinking: Integral ecology and new humanism, Sergey Khoruzhiy, Institute of Philosophy, Russian Academy of Sciences, Russia

SESSION: INITIATIVES, BODIES RELEVANT TO SOFIA FORUM PROCESS ADDRESSING COMMON PROBLEMS AND TO BUILD CONSTRUCTIVE INTERNATIONAL PARTNERSHIPS, Chair Tuukka Petäjä

Session contributes to IEAS - Europe activities

14.00 International Eurasian Academy of Sciences (IEAS), Valery Bondur, Institute for Scientific Research of Aerospace Monitoring "AEROCOSMOS", Russia, KEYNOTE (translation: Ekaterina Ezhova)

14.30 Coffee break

SESSION: PRESENTATION OF INTERNATIONAL EURASIAN ACADEMY OF SCIENCES (IEAS)

Delivery of diplomas to new members of IEAS by the President, Acad. of RAS, Professor Valery Bondur

talks

- Martin Heimann, Max-Planck-Institute for Biogeochemistry, Germany
- Markku Kivinen, Aleksanteri Institute, Finland
- David Gee, Upsala University, Sweden
- Veli-Matti Kerminen, INAR, Finland
- Robert Bornstein, San Jose University, USA
- Alexander Baklanov, World Meteorological Organization (WMO), Switzerland
- Alexander Frolov, NRC "Kurchatov Institute", Russia (invited)
- Jaana Back, INAR, Finland (invited)

SESSION: PROBLEMS, INITIATIVES & BODIES RELEVANT TO THE SOFIA FORUM PROCESS – TOWARDS CONSTRUCTIVE INTERNATIONAL PARTNERSHIPS, Chairs Jaana Bäck and Hanna K. Lappalainen

- 16.15 Discussion on the Sofia Earth Forum process and synergies with other initiatives
- PEEEX, GlobalSMEAR
 - Arctic Science Forum
 - IBFRA - Cool Forests Initiative
 - UN - IPCC, UNESCO
 - other relevant initiatives
- 17.00 Dinner at Cultural Center Sofia

THURSDAY 1 November

SESSION: Sofia Earth Forum, IEAS-Europe next steps, Chair Hanna Lappalainen

- 09.15 Summing up, further activities, publications, Sergej Zilitinkevich, FMI, Finland

SESSION: CHANGING WORLD - PERSPECTIVES, chair Markku Kulmala

- 09.40 UN Sustainable Development Goals and Environment Predictions, Alexander Baklanov, WMO, Switzerland
- 10.00 Science-Policy Dialogue: Climate Change Perspective, Atte Korhola, University of Helsinki, Finland
- 10.20 Archbishop of the Evangelical Lutheran Church of Finland Tapio Luoma, KEYNOTE
- 10.50 Closing remarks by Markku Kulmala and Sergej Zilitinkevich
- 11.00 Lunch