

The European Space Agency nurturing space activities as a driver
for world class science and international cooperation

International Conference Centre Geneva - CICG

17, rue de Varembé - CH-1211 GENEVA

Friday September 12th, 2014

Programme Pre-Event: Student Session

- 08:30 Registration
- 09:00 ESA 50 years video – Start of the event
Moderator: **Claude Nicollier**
- 09:10 Key note address: “Engagement and inspiration through ESA science”
Mark McCaughrean - Senior Scientific Advisor in the Directorate of Science and Robotic Exploration, ESA
- 09:30 Motivational Speech : “Nurturing the workforce of the future”
André Kuipers – Former ESA Astronaut
- 09:45 **“Science Speed Dating”**
20 experts for groups of some 10 students each – each “date” 15 mins – 3 swaps
- 11:15 Panel discussion: “From science to a competitive knowledge-based society”
Christian Wasserfallen – Member of the Swiss National Council
Delphine Gillaizeau-David - Secretary General, Space Group in the French Parliament, 2014 Presidency of the European Interparliamentary Space Conference (EISC)
Chris Rapley – Chair, ESA High-Level Science Policy Advisory Committee (HISPAC)
Hugo Marée – Head, Education and Knowledge Management Office, ESA
André Kuipers – Former ESA Astronaut
Two students participating in ESA education projects
- Thomas Sinn - Advanced Space Concepts Laboratory, University of Strathclyde, UK
- Anna Garcia-Sabaté - Universitat Politècnica de Catalunya, Spain
- 12:00 **5 selected student rapporteurs from the Science Speed Dating**
Presentation of the discussions with the experts
- 12:45 Closing Remarks
Mauro Dell’Ambrogio - State Secretary for Education, Research and Innovation (SERI), Switzerland.
- 13:00 End of the Pre-event student session



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Programme

14:00 Registration

15:00 ESA 50 years video – Start of the event

Moderator: **Beatrice Tschanz**

15:10 Opening Remarks

Mauro Dell'Ambrogio - State Secretary for Education, Research and Innovation (SERI),
Switzerland.

15:25 Key Note Address: "The impact of space activities on science"

Brian Schmidt - Distinguished Professor, Australian National University
(2011 Nobel Prize in Physics)

15:45 "The historical perspective of European space science"

Roger Bonnet – Former Director of Science, ESA, former President COSPAR

16:00 Focus on ESA scientific achievements

Earth: **Reiner Rummel** – Former Head, Institute for Astronomical and Physical Geodesy,
Technical University of Munich

Cosmos: TBD

Life: **Charles Cockell** – Professor of Astrobiology, University of Edinburgh

17:00 Panel discussion : "International Cooperation - ESA from junior partner to mission
principal partner: examples of Cassini-Huygens and Rosetta missions"

Cassini-Huygens: **Jonathan Lunine**, Professor of Physical Sciences and Director, Center for
Radiophysics and Space Research, Cornell University and

John Zarnecki, Director at the International Space Science Institute (ISSI), Bern

Rosetta: **Jean-Pierre Bibring**, Professor of Physics, Paris Sud 11 University and **Artur B.**

Chmielewski, Rosetta US Project Manager, NASA

17:30 Panel discussion: "Views on future international partnerships"

Ellen Stofan, Chief Scientist, NASA

Oleg Korablev, Deputy Director, Space Research Institute (IKI) of the Russian Academy of Sciences

Wu Ji, Director General, National Space Science Center, CAS, China

Kiyoshi Higuchi – Executive Vice President, Japan Aerospace Exploration Agency, and President, International Astronautical Federation

Alvaro Giménez – Director, Science and Robotic Exploration, ESA

18:00 Panel discussion: "The future of science in / from space"

Catherine Cesarsky – Chair of ESA Space Science Advisory Committee (SSAC), Member of the French Academy of Sciences

Chris Rapley – Chair, ESA High-Level Science Policy Advisory Committee (HISPAC)

Rolf Heuer – Director General European Organization for Nuclear Research (CERN)

Kevin Fong – Chair, UK Space Biomedical Advisory Committee

Co-Founder and Co-Director, CASE Medicine, University College London

Two student rapporteurs from the pre-event student session

18:45 Concluding Remarks

Jean-Jacques Dordain – Director General, ESA

19:00 Reception

21:00 End of the event