

REGISTRATION

Registration

There is no registration fee. Please register before the deadline 9 May 2011 at:

Europäische Akademie GmbH
Wilhelmstr. 56 • 53474 Bad Neuenahr-Ahrweiler • Germany
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E-mail: info@ea-aw.de • www.ea-aw.de

Bursaries

A limited number of bursaries to cover travel and accommodation are available for junior scientists. Please apply before 11 April 2011, including an application letter and your CV, to:

Stephan Lingner, Deputy Director of the Europäische Akademie GmbH, E-mail: stephan.lingner@ea-aw.de

Scientific Programme

Stephan Lingner

Europäische Akademie GmbH, Bad Neuenahr-Ahrweiler

Kai-Uwe Schrogl

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European Space Policy Institute (ESPI), Wien

Organisation

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The conference is co-funded by the German Aerospace Center (DLR).

VENUE



Venue

European Space Policy Institute (ESPI)

Schwarzenbergplatz 6
Entrance: Zaunergasse 1–3
1030 Vienna
Austria
Phone +43 1718 1118-0
Fax +43 1718 1118-99
E-mail: office@espi.or.at
www.espi.or.at

How to get there

Underground: U1, U2, U3 or U4 to Karlsplatz, then towards Schwarzenbergplatz/Hochstrahlbrunnen (5 minutes); or U4 to Stadtpark, then towards Konzerthaus (5 minutes).

Streetcar: Line 1 or 2 to Schubert-Ring/Schwarzenbergplatz, then towards Hochstrahlbrunnen (3 minutes).

ESPI is located within the Palais Fanto together with the Arnold Schönberg Center.

Entrance: Zaunergasse 1–3

CONFERENCE

REMOTE SENSING REGIONAL CLIMATE CHANGE

POTENTIALS AND OPTIONS TO ADAPT

26–27 May 2011

European Space Policy Institute (ESPI),
Palais Fanto, Vienna, Austria

REMOTE SENSING REGIONAL CLIMATE CHANGE

POTENTIALS AND OPTIONS TO ADAPT

Climate change is often discussed as a process, which should be mitigated on a global scale – so the broad consensus. However, the international debate on climate protection might be characterized as a culture of postponing, while climate change is already happening, thus affecting individuals and societies.

Moreover, consequences of climate change occur in a quite different manner on regional scales, which seem to be more accessible to human action. The regional perspective might thus be the focus for early action on climate change. This action could be directed towards adaptation to climate change as well as towards utilization of any beneficial climate effects.

Nevertheless, timely, efficient and specific action needs for adequate information on corresponding local or regional potentials and risks. Recent developments of remote sensing from space might provide the actors with necessary data. Appropriate geo-information from space stands out due to its actuality, its cost-efficiency and its broad accessibility – also from remote areas with missing primary data. The latter is especially relevant and urgent for many developing countries, which turn out to be especially vulnerable with regard to adverse climate effects.

Detection and monitoring of regional climate relevant features on Earth by sophisticated remote sensing from space might thus provide the basis for rational decisions on prudent land use and help, thereupon. This regional approach should not compete with the global objective of mitigation control and monitoring. It might be rather seen as a complementary element of an overall coherent strategy to handle the climate problem as a whole.

THURSDAY, 26 MAY 2011

- 13.00** Registration
- 14.15** Introduction
Kai-Uwe Schrogl,
European Space Policy Institute (ESPI)
Stephan Lingner,
Europäische Akademie GmbH

SESSION I: TOWARDS A CLIMATE CHANGE CULTURE

- Chair: Stephan Lingner,
Europäische Akademie GmbH
- 14.45** **Detection, attribution and uncertainty of climate change. Who is responsible?**
Andreas Hense,
Meteorologisches Institut, Bonn University
- 15.45** Break
- 16.00** **Climate science in society**
Hans von Storch,
Institute for Coastal Research, Helmholtz-Zentrum Geesthacht
- 17.00** Break
- 18.00** Keynote address
Klimaforschung und Klima-Engineering. Über den Umgang mit Nichtwissen aus ethischer Sicht
Carl Friedrich Gethmann,
Europäische Akademie GmbH
- 19.00** Reception
- 20.00** End of session I

FRIDAY, 27 MAY 2011

SESSION II: REMOTE SENSING ADDRESSING THE POTENTIALS AND OPTIONS TO ADAPT TO THE CLIMATE CHANGE

- Chair: Leen Hordijk,
Institute for Environment and Sustainability,
Joint Research Centre, European Commission
- 9.00** **Space applications for assessing and managing climate change**
Yves-Louis Desnos,
European Space Research Institute (ESRIN),
European Space Agency (ESA)
- 9.45** **Space and climate geoengineering**
Cynthia Maan/Leopold Summerer,
Advanced Concepts Team, European Space Agency (ESA)
- 10.30** Break
- 11.00** **International coordination in the use of remote sensing data**
Gunter Schreier,
International Society for Photogrammetry and Remote Sensing (ISPRS)
- 11.45** **European Union foreign policy objectives related to climate change and space applications**
Jana Robinson/Christina Giannopapa,
European Space Policy Institute (ESPI)
- 12.30** Lunch
- #### SESSION III: PERSPECTIVES
- Chair: Kai-Uwe Schrogl,
European Space Policy Institute (ESPI)
- 14.00** **Policy challenges for Europe**
Herbert Allgeier,
Chairman ESPI Advisory Council
- 14.30** **Round table discussion**
Speakers and chairs
- 15.30** **Conclusions**
- 16.00** End of conference