

IPAC report 2011

The focus of IPAC's work in 2011 was directed to

1. React on request coming from the ISPRS Council, and additionally
2. Prepare conferences within ISPRS and together with other societies/institutions,
3. Publications and participation in conferences.

1. Activities according to ISPRS Council requests

ISPRS representation at the 48th session of the Scientific and Technical Subcommittee of UN COPUOS in Vienna (Feb. 2011).

Presentation of the IPAC Chair on behalf of the ISPRS President, Orhan Altan, "ISPRS – 100 Years of Serving the Society with Information from Imagery"

2. Conference preparations

The IPAC initiated meetings and activities with different societies and institutions (IAA, ESPI, International Institute of Space Law (IISL), Europäische Akademie zu Erforschung der Folgen wissenschaftlich-technischer Entwicklungen Bad Neuenahr-Ahrweiler (EA)). The goal of those joint activities is to improve the quality of the work jointly done without increasing the number of conferences and studies.

2.1

The [Europäische Akademie zur Erforschung von Folgen wissenschaftlich-technischer Entwicklungen Bad Neuenahr-Ahrweiler \(EA\)](#) and ESPI organised a joint conference on "**Remote Sensing Regional Climate Change-Potentials and Options to Adopt**" (Vienna May 26/27, 2011).

The event was co-funded by the German Aerospace Center (DLR) and supported also by the [International Society for Photogrammetry and Remote Sensing \(ISPRS\)](#), the largest professional organisation for research and use in remote sensing. Policy, ethics and applications, represented by the three organising institutions, met here in a unique setting. More than 40 experts assembled to touch upon the increasingly important role of remote sensing for the detection, monitoring and management of regional climate change



Speakers of the conference (from left): Carl Friedrich Gethmann (Director, Europäische Akademie GmbH), Cynthia Maan (ESA), Rainer Sandau (ISPRS), Mildred Trögeler (Resident Fellow, ESPI), Stephan Lingner (Deputy Director, Europäische Akademie GmbH), Yves-Louis Desnos (ESA), Leen Hordijk (JRC; former Director of IIASA and currently member of ESPI's Advisory Council), Herbert Allgeier (Chairman of ESPI's Advisory Council), Andreas Hense (Meteorologisches Institut, Bonn University), Kai-Uwe Schrogl (Director, ESPI) and Hans von Storch (Institute for Coastal Research, Helmholtz-Zentrum Geesthacht)



Round table on analysis and assessment of regional climate change (from the left): Andreas Hense, Gunter Schreier, Stephan Lingner, Yves-Louis Desnos, Leen Hordijk and Kai-Uwe Schrogl

See also:

ESPI Conference: "Remote Sensing Regional Climate Change", 26-27 May 2011

[Programme](#)

[Report](#)

[Presentation](#)

2.2 Preparation of joint sessions at the ISPRS Congress in Melbourne

IPAC is in the process of organizing Special Sessions/Events at the Melbourne Congress:

IAA and ISPRS	Space Agencies Forum
IAA, IISL and IPAC	General Legal Issues Concerning Space Law and EO Satellite Data
IAA, IISL and IPAC	Treaty Monitoring and Law Enforcement By Means of Spaceborne Remote Sensing
IAA, IISL and IPAC	The Value of Evidence of EO Satellite Data in Court Cases: Theory and Practice
IAA and WG I/6	Small Satellites

For the **ISPRS/IPAC, IAA, IISL sessions** see also attachment. This process is still active.

4. Publications and conference participation of IPAC members

This is a selection of activities of IPAC members in ISPRS/IPAC organised events.

- Gunter Schreier: International coordination in the use of remote sensing data. Paper at the ESPI-Workshop **Remote Sensing Regional Climate Change-Potentials and Options to Adopt**" (Vienna May 26/27, 2011).
- Gunter Schreier: Panel discussion member at the ESPI-Workshop . **Remote Sensing Regional Climate Change-Potentials and Options to Adopt**" (Vienna May 26/27, 2011).
- Rainer Sandau: Implications of new trends in small satellite development. In: **"Yearbook on Space Policy 2009/2010: Space for Society"**, SpringerWienNewYork, 2011

You may find the official announcement of the book's release on the ESPI web site: http://www.espi.or.at/index.php?option=com_content&view=article&id=732:25-august-2011-qyearbook-on-space-policy-20092010-space-for-societyq-published&catid=39:news-archive&Itemid=37.

The book is available for purchase through the publisher's web site (<http://www.springer.com/astronomy/space+exploration/book/978-3-7091-0941-0>).

Attachment

Proposal for a joint ISPRS/IAA/IISL Symposium
Actual policy issues of space borne Earth observation
 in Melbourne, 2012

1. **General legal issues concerning space law and EO satellite data**
 - Liability aspects of space systems: theory and practice
 - International law obligations on provision of information and EO data
 - Public access to electronic data
 - intellectual property rights issues in the context of EO data
 - privacy and very high resolution EO data
2. **Treaty monitoring and law enforcement by means of spaceborne remote sensing**
 - Importance and practice of disarmament treaties monitoring
 - National law and the use of satellites for monitoring
 - Environmental treaties and climate change agreements/protocols verification
 - Maritime surveillance from space (ship traffic, discharge oil, illegal fishery, illegal immigration, trafficking and piracy...)
3. **The value of evidence of EO satellite data in court cases: theory and practice**
 - State of the art in EO satellite data products (reliability, audit trail...)
 - The use of evidence in international court cases
 - The use of evidence in common law proceedings (judge and attorney perspectives...)
 - The use of evidence in civil law proceedings (judge and attorney perspectives...)

Comments:

The basic idea is to have volunteer session co-chairs from both parties who are interested and able to organise sessions to the themes (which are hopefully of sufficient good general interest

to attract paper proposals for Melbourne) and who are also able to solicit expert's papers to ensure high quality sessions. We plan to organise 3 sessions but we are aware that this kind of policy symposium is new within ISPRS resulting in an uncertainty in terms of acceptance and responses.

We have already some names for the co-chairs positions (tentatively, depending on travel funding in 2012) and would provide them in case of necessity.