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## Intersociety Activities

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### ICSU (International Council of Science)

ICSU is a non-governmental organisation, founded in 1931 to bring together natural scientists in international scientific endeavour. Its national membership comprises 95 multi disciplinary bodies (scientific research councils or scientific academies) and 25 international single-discipline Scientific Unions, to provide a wide spectrum of scientific expertise enabling members to address major international, interdisciplinary issues which none could handle alone. ICSU also comprises 28 Associates, including ISPRS. ICSU addresses topics such as global problems and sustainable development, and has a publication outlet, ICSU Press. It is the peak scientific body representing the majority of international scientific bodies of the natural sciences.

ISPRS joined ICSU in 1994, following the necessary procedures for gaining appropriate recommendations from sponsoring member organisations. Recently ISPRS applied for full membership of ICSU and the application is still being processed. The 26th General Assembly of ICSU, which was held in Cairo Egypt in September 1999 was reported on the Annual Report in March 2000.

ISPRS contributes each year to the ICSU Annual Report and receives regular correspondence regarding the ICSU scientific programs.

John Trinder

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### UN Office of Outer Space Affairs - Committee for the Peaceful Uses of Outer Space (COPUOS)

ISPRS has established close working relations with COPUOS, and one member of Council attends the Science and Technology (S&T) Sub-Committee Meeting in February and the COPUOS Committee meeting in July of each year, where statements on behalf of ISPRS are made. Currently ISPRS is working with the Office of Outer

Space Affairs to develop education and training programs for developing countries, for implementation over the next year. In addition, ISPRS is pursuing issues relevant to ISPRS that were identified in the report of the UNISPACE III conference in July 1999.

John Trinder

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### Committee on Earth Observation Satellites (CEOS)

CEOS was created in 1984, in response to a recommendation from a Panel of Experts on Remote Sensing from Space, under the aegis of the Economic Summit of Industrialised Nations Working Group on Growth, Technology and Employment. This group recognised the multi-disciplinary nature of satellite Earth observation and the value of co-ordinating international mission plans. CEOS has since established a broad framework for co-ordination across all civil space-borne Earth observation missions. Its objectives are:

- to optimise benefits of space-borne Earth observations through the co-operation of its participants in mission planning and in the development of compatible data products, formats, services, applications and policies;
- to serve as a focal point for international co-ordination of space-related Earth observation activities;
- to exchange policy and technical information to encourage complementarity and compatibility of observation and data exchange systems.

is one, are governmental organisations that have either a civil space-segment activity under development or are international scientific non-governmental bodies having significant programmatic activities which support CEOS objectives.

The objectives of CEOS and ISPRS are compatible and their activities are synergistic. CEOS has two active Working Groups, both of which are very active, and receive significant funding from their sponsoring organisations to undertake their tasks.

The WG on Calibration and Validation (WGCV) addresses sensor specific calibration/validation and geophysical parameter/derived products validation. It has been chaired by Dr. Alan Belward (JRC, Ispra) until November 2000. Mr Yves-Louis Desnos from ESA will become the new Chair. Prof. Ian Dowman, ISPRS Secretary General has been Chairperson of the WGCV Terrain Mapping Subgroup, but will relinquish this position. This working group in its report recognised the importance of traceability and errors budgets in earth observation systems, and the importance of both pre-launch and post-launch calibration. ISPRS will work closely with WGCV and has been requested to provide a profile of participants required for a joint ISPRS/WGCV Task Force on

CEOS Members are governmental organisations that have civil space-borne Earth observation programs which are currently operating. Associates, of which ISPRS

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radiometric and geometric standards. Commission I has been tasked with this responsibility.

The WG on Information Systems and Services (WGISS) aims to facilitate data and information management and services for users and data providers by addressing Earth observation data capture, description, processing, access, retrieval, utilisation, maintenance, and interoperability. The WGISS Chairperson is Peter Churchill from EC/JRC. The working group is very active and has recently developed GOIN (Global Observation Information Network), GLOBE (Global Land One-Kilometre Base Elevation) DEM, and CII (CEOS Information infrastructure) on CEOS information resources. It has also developed a new Test Environment concept for testing WGISS products, tools and services on user application projects.

A major objective of CEOS is the development of an Integrated Global Observing Strategy (IGOS) to support the scientific, operational and research communities. Ultimately, an IGOS should be a joint product of all groups involved in the collection and analysis of both space-based

and in-situ data. It is working to realise a comprehensive strategy for global observations through a partnership with the Global Climate, Global Ocean and Global Terrestrial Observing Systems, their inter-governmental sponsors; IGFA for Global Change Research, IGBP/WCRP and others.

A standing CEOS Secretariat is maintained by ESA, NASA/NOAA, and STA/NASDA and is chaired by the current CEOS host organisation. The host organisation changes annually and supports the annual CEOS Plenary which is held in November each year. During 2000 the CEOS host was the National Institute of Space Research (INPE) in Brazil under the Chairmanship of Chairmanship of Mr. Marcio Barbosa, Director of INPE. The 14th Plenary, was held in Ro de Janeiro, Brazil in November 2000, and was attended by the President, John Trinder.

Readers are encouraged to visit the CEOS Home Page at: <http://www.ceos.org> for further information.

John Trinder

## CIPA - I<sup>2</sup>DOC

International Committee for Architectural Photogrammetry - The ICOMOS & ISPRS Committee on Documentation of Cultural Heritage

During the ISPRS Congress in Amsterdam a Special UNESCO-ICOMOS-CIPA-ISPRS-Session was held on Monitoring and Change Detection for Preservation and Development of Natural Heritage and Cultural Landscapes. Speakers were:

- Mechtild Rössler from the World Heritage Centre (WHC) of UNESCO, Paris, on "World Heritage Cultural Landscapes: Identification, Conservation, Monitoring";
- Robert de Jong, Rijksdienst voor de Monumentenroep in Zeist, The Netherlands, President of the ICOMOS Committee on Historical Gardens and Cultural Landscapes (ICOMOS-IFLA) on "Cultural Landscapes, how to Analyse this Part of our Cultural Heritage?";
- Werner Schneider, Austria, and Jerzy Mozgawa, Poland, both CIPA Working Group 8, on "Aims and Tasks for the CIPA Working Group 8 on Natural Heritage and Cultural Landscapes".

Heinz Rüther, South Africa, Petros Patias, Greece, and Gabor Remetey-Fülöpp took part in a panel discussion as representatives of the ISPRS Commissions IV, V and VII. They emphasised the importance of Photogrammetry and Remote Sensing for generating products for the management of large landscape areas and discussed with the speakers and with several other Board Members of CIPA about standards and guidelines for World Heritage contracts and site control. The aim of this session was to

inform UNESCO and ICOMOS participants about the possibilities offered by new technologies used by ISPRS, and to inform ISPRS about the needs and special aspects of preservation and development work on natural heritage and cultural landscape sites. It was realised that ISPRS was not aware that CIPA has to deal now also with aerial photogrammetry, remote sensing and GIS applications in the cultural world of UNESCO-WHC and ICOMOS, and that CIPA has already established two Working Groups in these fields, WG 2 on Heritage Information Systems (including relevant GIS) and WG 8 on Natural Heritage and Cultural Landscapes (including remote sensing and aerial photogrammetry).

The session resulted in very positive activities. The new ISPRS Commission VII, WG 4 on Human Settlements and Impact Analysis, chaired by Gabor Remetey-Fülöpp, Hungary, includes many proposals mentioned in the above session in its working program and started close co-operation with CIPA - I<sup>2</sup>DOC's Working Group 8, which deals with Natural and Cultural Landscapes, specially with those under protection of the UNESCO World Heritage Centre as World Heritage, and with their needs under relating to: 'Monitoring'-time series of landscape documents, colour and multispectral; overviews and detail surveys; interpretation of soil and land cover; image comparisons for change detection and change/trend analysis; management materials, as maps, orthophotos, DTMs, Information Systems. The last mentioned standard products of photogrammetry which belong traditionally to ISPRS Commission IV are now also subjects of CIPA. Closer contacts with ISPRS Commission IV have been started.

The contacts to the UNESCO World Heritage Centre have been intensified. Talks in Leipzig on the occasion of the European Fair on Care of Monuments and Renewal of Towns ( 25-28 Oct. 2000) and in Paris on the occasion of the ICOMOS Advisory Committee Meeting (11-14 Nov. 2000) resulted in the permission to announce the forthcoming CIPA Symposium under the Auspices of UNESCO. The CIPA 3x3 Rules on Amateur Photography for Documentation Purposes will be taken over into the UNESCO World Heritage Educational Resource Kit and distributed to the 700 and soon more UNESCO schools. This is a long range investment for better availability of also better emergency image materials. Further talks between UNESCO WHC and CIPA have been started on UNESCO Monitoring Guidelines for natural and cultural landscapes under consideration of the reasons they are to be protected for.

After the Congress the Annual Meeting of CIPA was held at the office of the Rijksdienst voor de Monumentenzorg in Amsterdam. 11 Executive Board Members were present and three guests. Many of the session topics were mainly of administrative nature. The session had five half-day parts: Forthcoming events; administrative matters and revision of past decisions; co-operation with ICORP (International Committee on Risk Preparedness); CIF (Comité International de Formation, that is the ICOMOS Committee for International Training and Education) and ICOM (International Council of Museums); staff-related matters. The fifth part was a visit to the main office of the Rijksdienst voor de Monumentenzorg in Zeist. CIPA includes always such self-training tours in order to see the practical problems and solutions in CIPA's working areas of the country visited. We thank Prof. Marieke Kuipers and Benedict Goes for the interesting insights. And we thank ICOMOS The Netherlands, Fritz van Voorden and Emil van Brederode for hosting the CIPA Annual Meeting 2000. The main results of the meeting are included below.

### **Forthcoming Events**

The International ISPRS / CIPA Workshop on Recreating the Past (Visualisation and Animation of Cultural Heritage) in Ayuttaya, Thailand, 26 February - 1 March 2001, in co-operation with ISPRS Commission V, WG V/5 and SIG, the Asian Institute of Technology (AIT), the Surveying and Mapping Society of Thailand, the Silpakorn University, the Seameo Regional Centre for Archaeology and Fine Arts (SPAFA), the Association for Real-time Imaging and Dynamic Analysis (ARIDA), ETH Zurich, the Asian Centre for Research in Remote Sensing, and with ICOMOS Thailand. Cliff Ogleby, Secretary General of CIPA, will officially represent CIPA at this meeting.

The XVIIIth International CIPA Symposium 18-21 Sept in Potsdam, Germany. The theme of the symposium is: Surveying and Documentation of Historic Buildings, Monuments and Sites - Traditional and Modern Methods. The Symposium is under the Auspices of UNESCO. The

Honorary Chairman of the symposium, Prof. Dr. Michael Petzet, President of ICOMOS and of ICOMOS Germany, will welcome the participants. Symposium Director is Prof. Dr. Joerg Albrecht, TU Berlin, for ISPRS, the Symposium Co-Director for ICOMOS is the Landeskonservator for Berlin, Dr. Joerg Haspel. The Second Announcement and the Call for Papers has been sent out end of January 2001. For detailed information please see <http://www.fpk.tu-berlin.de/cipa2001/> or mail to [cipa2001@fpk.tu-berlin.de](mailto:cipa2001@fpk.tu-berlin.de)

4th International Conference on Archaeological Prospection 19-23 Sept 2001 in Vienna, Austria (<http://www.univie.ac.at/archeo2001/>) in co-operation with CIPA Working Group 5

The ISPRS Commission V Symposium 3-6 Sept 2002 in Korfu, Greece. President of Commission V is Prof. Dr. Petros Patias, Ordinary Member of the CIPA - I2DOC Executive Board. For further information see [http://www.isprs.org/technical\\_commissions/tc\\_5.html](http://www.isprs.org/technical_commissions/tc_5.html)

The XIXth International CIPA Symposium 18-21 Sept 2003 in Antalya, Turkey. Symposium Director is Prof. Dr. Orhan Altan, Society Delegate of ISPRS in and Ordinary Member of the CIPA Executive Board.

The Members of the Executive Board are (Status 1.1.2001)

#### *Ordinary Members:*

*From ISPRS (International Society of Photogrammetry and Remote Sensing):*

Orhan Altan (Turkey) Society Delegate  
Pierre Grussenmeyer (France)  
Jozef Jachimski (Poland)  
Petros Patias (Greece)  
Heinz Ruether (South Africa)  
Peter Waldhäusl, (Austria) President

*From ICOMOS (International Council on Monuments and Sites):*

NN Society Delegate  
Robin Letellier, (Canada) Vice-President  
Steve Nickerson (Canada) (nominated)  
Cliff Ogleby (Australia)  
Gaetano Palumbo (UK) (nominated)  
NN

#### *Associate Members:*

*Communication and Web:*  
Klaus Hanke (Austria) (ISPRS)

#### *Former Symposium Directors:*

Camillo Martins Gomes (Brazil) (-2001)  
Suzanna Cruz Sampaio (Brazil) (-2001)

#### *Next Symposium Directors:*

Joerg Albrecht (Germany) (-2003)  
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# Rollei

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Antonio Almagro (Spain)  
Michael Doneus (Austria)  
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Hans Foramitti (Austria) +  
John Badekas (Greece)  
Franjo Braum (Yougoslavia) +  
Mario Fondelli (Italy)  
Elzbieta Wanot (Poland)

### Call for Delegates

Those ISPRS National Members not yet represented in CIPA-I2DOC are kindly requested to nominate liaison so that information can be exchanged and partnerships established with the National ICOMOS Committees. The ISPRS delegates are to be nominated for four years (whereas ICOMOS has only three years cycles). Communication is mainly by email in English language. Specially interested experts are welcome who wish to co-operate and contribute to the work in the 10 Working Groups of CIPA-I2DOC. For their program please see <http://cipa.uibk.ac.at/wgroups.html> The National member societies of ISPRS are kindly requested to publish this call for expert co-operation via their national channels.

Peter Waldhäusl, Austria, President, CIPA

### International Society of Biomechanics (ISB)

There has been little activity for the year 2000. There was a Symposium of the related Working Group on Human Motion Analysis in Capetown on 1-4 May, at which ISPRS was not represented. There will be the ISB Congress 8-13 July 2001 in Zurich.

Armin Gruen

### SPIE

The year 2000 was uneventful regarding any activity with SPIE, probably due to the ISPRS Congress. However, in January 22-23, 2001, SPIE Conference "Videometrics VII" is organised by commission V, WG V/2. It will be part of SPIE Electronic Imaging/Photonics West Symposium in San Jose, California. In General, SPIE-ISPRS joints conferences such as Videometrics bring together photogrammetrists, computer vision, and computer graphics specialists to discuss 3D imaging and modelling topics which are of interest to all these groups.

Sabry El-Hakim