

ISPRS

2012

GENERAL ASSEMBLIES

Ordinary Member Delegates and Advisers to ISPRS General Assembly

Delegates and Advisers (Non-Voting) to ISPRS General Assembly

Agenda of ISPRS General Assemblies

Decisions of the General Assembly

Minutes of ISPRS General Assemblies

Report of ISPRS President Orhan Altan to the General Assembly for the term 2008-2012

Report of ISPRS Secretary General Chen Jun to the General Assembly for the term 2008-2012

Report of ISPRS Treasurer Mike Renslow to the General Assembly for the term 2008-2012

Report of ISPRS Financial Commission Chair Lena Halounová to the General Assembly for the term 2008-2012

Report on Inter-Organizational Relations presented by Secretary General Chen Jun

Report of the Editor-in-Chief of the ISPRS Journal, George Vosselman

Report of the Editor-in-chief of the ISPRS International Journal of Geo-Information, Wolfgang Kainz

Report of ISPRS eBulletin, Chen Jun

Report of ISPRS Webmaster, Markus English

Report of ISPRS Book Series Editor, Paul Aplin

Report of ISAC (International Scientific Advisory Committee) by Chair Armin Gruen

Report of IPAC (International Scientific Advisory Committee) by Chair Sandau Rainer

Report of Ad-hoc Group on Standards by Chair Wolfgang Kresse

Report on ISPRS Regional Affairs in Africa by Hussein Farah and Olajide Kufoniyi

Report on ISPRS Regional Affairs in South-East Asia by Nguyen Dinh Duong

Report on ISPRS Regional Affairs in Latin-American by Mike Renslow

ORDINARY MEMBER DELEGATES and ADVISERS to ISPRS GENERAL ASSEMBLY

Country	Cat	Delegate	Advisor(s)
Canada	8	Songnian Li	Costas Armenakis Jonathan Li
China	8	Wang Qian	Zhang Jixian Fan Jingsheng
Germany	8	Thomas Kolbe	Hans-Gerd Maas Monika Sester
Russian Federation	8	Leonard Yablonskiy	Sergey Nekhin
USA	8	Bobbi Lenczowski	Carolyn Merry James Plasker
Japan	7	Hirofumi Chikatsu	Shunji Murai Haruhisa Shimoda
France	6	Laurent Polidori	Nicolas Paparoditis Marie-José Lefevre
India	6	P.L.N. Raju	Bharat Lohani Pattabhi Rama Rao
Italy	6	Fulvio Rinaudo	Alessandro Capra Maria Antonia Brovelli
Spain	6	Juliá Talaya	
United Kingdom	6	Samantha Lavender	Paul Newby Martin Smith
Australia	5	John Trinder	
Brazil	5		
Sweden	5	Peter Wasström	Mikael Johansson
Austria	4	Wolfgang Kainz	Norbert Pfeifer Wolfgang Wagner
Belgium	4		
China Taipei	4	Liang-Chien Chen	Yi-Hsing Tseng Fuan Tsai
Jordan	4		
Netherlands	4	Martien Molenaar	George Vosselman P.Hoogwerf
Saudi Arabia	4		
Switzerland	4	Emmanuel Baltasvias	Konrad Schindler
Turkey	4	Z. Nejat Aksoy	Filiz Sunar Mustafa Erdogan
Algeria	3		
Denmark	3	John Kamper	Brian Pilemann Olsen

Country	Cat	Delegate	Advisor(s)
El Salvador	3		
Finland	3	Henrik Haggren	Petri Ronnholm Raimo Vajavaara
Hungary	3	Arpad Baidi BME	
Iran	3		
Israel	3	Yoram Hacker	Eyal Ben-Dor Sagi Filin
Morocco	3		
Norway	3	Leif Erik Blankenberg	Andreas Holter
Poland	3	Aleksandra Bujakiewicz	Romuld Kaczynski Krystian Pyka
South Africa	3	Julian Smit	
Sri Lanka	3	Kospalage Dayananda	
Syria	3		
Ukraine	3	Vaclav Safar	
Argentina	2		
Bulgaria	2		
Colombia	2	Olga Piedad Rudas	Oscar Guzmán
Croatia	2		
Cyprus	2		
Czech Republic	2	Milan Konecny	
Egypt	2		
Greece	2		
Hong Kong	2	Kwok Chi-wo Simon	Koo Tak-ming
Ireland	2		
Korea	2	Kim Byung-Guk	
Kuwait	2		
Macedonia	2		
Malawi	2		
Malaysia	2		
Mexico	2	Jorge Perales	
Myanmar	2		
New Zealand	2		
Portugal	2		
Romania	2	Noaje Ioan	Margareta Dogaru Oniga Ersilia
Slovak Republic	2	Peter Bartak	
Thailand	2	Krit Rammon	Chaisit Preeyanupab
Uzbekistan	2		

Country	Cat	Delegate	Advisor(s)
Venezuela	2		
Bangladesh	1		
Botswana	1		
Brunei Darussalam	1		
Burkina Faso	1		
Cameroon	1		
Chile	1	Rodolfo Stiven Ramirez	
Cuba	1		
Ethiopia	1	Solomon Kebede Mammo	
Ghana	1		
Indonesia	1		
Iraq	1		
Kenya	1	Ephantus Murage Mundia	Polly Gitimu Christopher Tatu Muturi
Latvia	1		
Libya	1		
Lithuania	1		
Mongolia	1	D. Amarsaikhan	
Namibia	1		
Nepal	1	Dev Raj Poudyal	
Nigeria	1	Joseph Akinyede	
Pakistan	1		
Peru	1		
Philippines	1		
Qatar	1		
Senegal	1	Ousmane Bathiery	
Slovenia	1	Dejan Grigillo	Anka Lisec Ursa Kanjir
Tanzania	1		
United Arab Emirates	1		
Uruguay	1		
Vietnam	1	Nguyen Dinh Duong	
Zimbabwe	1		

DELEGATES and ADVISERS (NON-VOTING) to ISPRS GENERAL ASSEMBLY

**Associate Member Delegates and Advisors (Non-Voting)
to ISPRS General Assembly
22nd ISPRS Congress, Melbourne 2012**

Member	Cat	Representative
Italy (AIT)	3	
Russian Federation (Society for CD of P&RS)	2	
China Taipei (Geoinformatics Society)	1	
Colombia (Agustin Codazzi)	1	
Iran (Space Center)	1	
Korea (Society of Remote Sensing)	1	
Korea (Society for Geo-Spatial Info Systems)	1	
Morocco (CRTS)	1	
Pakistan (SUPERCI)	1	
Peru (Dir. of Hydrography and Navigation)	1	
Thailand (GISTDA)	1	

**Regional Member Delegates and Advisors (Non-Voting)
to ISPRS General Assembly
22nd ISPRS Congress, Melbourne 2012**

Member	Representative
AARS - Asian Association on Remote Sensing	Kohei Cho
AARSE - African Association of Remote Sensing of the Environment	Jide Kufonyi Tsehaie Woldai
European Association of Remote Sensing Laboratories	
African Association of Cartography & Remote Sensing (OACT)	
EuroSDR	
Sociedad de Especialistas Latinoamericanos en Percepcion Remota	
Sekretariat of Pacific Islands Applied Geoscience Commission	Wolf Forstreuter
Centre for Space Science and Technology Education in Asia and the Pacific	
Regional Centre for Training in Aerospace Surveys (RECTAS)	
Centre Régional de Télédétection des États de l' Afrique du Nord (CRTEAN)	
Regional Centre for Mapping of Resources for Development	
Cartography Commission, Pan American Institute for Geography and History	
African Regional Centre for Space Science and Technology Education – English	
EIS Africa	

AGENDA of ISPRS GENERAL ASSEMBLIES

GA I: Saturday 25 August, 09.30 - 15.00

1. Opening Address
2. Introduction of Invited Persons
3. Certification of Delegate credentials
4. Explanation and Confirmation of Voting Rights
5. Approval of Agenda
6. Admission of new Members
7. Changes of Category
8. Approval of the new Fellows and Establish of Fellow Committee
9. Ratification of:
 - 9.1. Awards
 - 9.2. MoUs
 - 9.3. Contracts
10. Member proposals to host Technical Commissions 2012-2016
11. Proposed introduction of Individual Membership
12. Proposed amendments to the Statutes and Bylaws
13. Proposed increase in subscriptions
14. Report of the Strategic Plan Actions

GA II: Monday 27 August, 09.00 - 12.30

15. Election of Hosts of Technical Commissions
16. Report on the Journals
17. Presentation of Certificates to Helava Prize Runners up
18. Member proposals to host the ISPRS Congress in 2016
 - 18.1. Czech Republic
 - 18.2. France
19. Reports of Council
 - 19.1. President
 - 19.2. Secretary General
 - 19.3. Treasurer
20. Report on ISPRS Foundation
21. Nominations for Council and Financial Commission
22. Nominations for the Fellows Committee
23. Discussion of amendments to Statutes and Bylaws

GA III: Wednesday 29 August 14.00 – 17.30

24. Election of Member to Host the ISPRS Congress in 2016
25. Report from the Regional Representatives
26. Ratification of Congress Director
27. Election of President
28. Election of Secretary General
29. Election/Appointment of First Vice President
30. Election of Second Vice President
31. Election of Treasurer
32. Election of Chair and Members of the Financial Commission and the Fellows Committee
33. Decision on Amendments to Statutes and Bylaws
34. Expulsion of Members in default of payment of subscription fees
35. Report on Inter-Organizational Relations
36. Report on Communications
 - 36.1. eBulletin
 - 36.2. Web site
 - 36.3. Book series
37. Reports from ISPRS Committees
 - 37.1. IPAC
 - 37.2. ISAC
 - 37.3. ICORSE
 - 37.4. CIPA
 - 37.5. Ad hoc Committee on Standards
 - 37.6. Student Consortium

GA IV: Friday 31 August 14.00 – 17.30

38. Congress Director's report
39. Approval of Resolutions for 2012-2016
40. Report of Financial Commission
41. Decision on Unit of Subscription
42. Appointment of Regional Representatives to Council
43. Other Business
44. Date of the next General Assembly
45. Close of General Assembly

DECISIONS of THE GENERAL ASSEMBLIES

The General Assembly:

Approved the Agenda

The General Assembly:

Approved the following new members which had been admitted since the Beijing Congress:

4 new Ordinary Members:

Instituto Geográfico Português
Center of Remote Sensing and GIS Technologies
Uzbekistan
South African Society for Photogrammetry and Remote Sensing
Chamber of authorized Architects and Engineers
Former Yugoslav Republic of Macedonia

1 new Associate Member:

Directorate of Hydrography and Navigation Peru

2 new Regional Members:

African Regional Centre for Space Science and Technology Education – English
EIS Africa

11 new Sustaining Members

The General Assembly:

Approved the appointment of the following new Fellows:

Dieter Fritsch (Germany)
Martien Molenaar (The Netherlands)
Shailesh Nayak (India)
Paul Newby (UK)
Heinz Ruther (South Africa)

The General Assembly:

Ratified changes to Awards, MoUs and Contracts

Establishment of Two New Awards:

Fred Doyle Award
Inghilleri Award

Changes in existing Awards

Otto von Gruber Award
Schermmerhorn Award
Karl Kraus Award

MOUs – new agreements with 9 professional societies:

AARSE
EIS-AFRICA
ifpUS
EARSeL
SELPER
AARS
OGC
LARS
RAC –(Russian Academy of Cosmonautics)

Three contracts have been signed:

International Journal for Geo-Information Publishing
XXII Congress with SSSI of Australia
Copernicus GmbH for managing abstracts and papers for ISPRS events

The General Assembly:

Elected the following Members to host Technical Commissions:

TC1: USA
TC2: Canada
TC3: Switzerland
TC4: China
TC5: Italy
TC6: China
TC7: Turkey
TC8: India

The General Assembly:

Ratified the appointment of:

Lena Halounova (Czech Republic) as the Congress Director
Orhan Altan (Turkey) as First Vice President

The General Assembly:

Elected the following Members of Council:

Chen Jun (China) as President
Christian Heipke (Germany) as Secretary General
Marguerite Madden (USA) as Second Vice President
Jon Mills (UK) as Treasurer

The General Assembly:

Elected as Members of the Financial Commission:

Marie-José Lefèvre-Fonollosa (France),
Fluvio de Rinaudo (Italy)
Olga Piedad Rudas (Columbia)

The General Assembly:

Elected as members of the Fellows Committee:

John Shi (Hong Kong)
Stefan Nebiker (Switzerland)

The General Assembly:

Accepted the application of the Azerbaijan Society for Photogrammetry and Remote Sensing (ASFRRS) to become an Ordinary Member category 2

The General Assembly:

Agreed the following changes to the Status and Bylaws:

Article 7 of the Statutes VI
Article 7 of Bylaw IX
Article 7 of Bylaw XIII

Agreed to postpone a decision on Article 7 of Bylaw VI subject to a new proposal from Council.

The General Assembly:

Approved of the Resolutions of the Congress

The General Assembly:

Elected the following as Regional Representative to Council:

Africa: Hussein Farah
East Asia: Nguyen Dinh Duong
Latin-America: Mario Hernandez

MINUTES of ISPRS GENERAL ASSEMBLIES
Session 1 - Saturday 25th August 2012

1. Opening Address

Welcome from Orhan Altan, ISPRS President.
 Welcome from Cliff Ogleby, ISPRS Congress Director, plus instructions for use of microphones and lunch.
 Roll Call was deferred to GA II since there would be no voting in GA I.

2. Introduction of Invited Guests

William Cartwright (JBGIS)
 Georg Gartner (ICA President)
 Guests were invited to the Congress Opening Ceremony.

3. Certification of Delegate Credentials

Deferred

4. Explanation and Confirmation of Voting Rights

There are 8 boxes, one for each category for voting – the explanation of voting cards was deferred to GA-II

5. Approval of Agenda

Approved

6. Admission of new Members (see notes for details)

Secretary General Chen Jun announced the new members which had been admitted since the Beijing Congress

ID	Member Name	Country	Category	Membership Date
4 new Ordinary Members				
10109	Instituto Geográfico Português	Portugal	2	13.07.2009
10110	Center of Remote Sensing and GIS Technologies	Uzbekistan	2	31.03.2010
10111	South African Society for Photogrammetry and Remote Sensing	South Africa	3	08.02.2011
10112	Chamber of authorized Architects and Engineers	Former Yugoslav Republic of Macedonia	2	02.02.2012
1 new Associate Member				
20016	Directorate of Hydrography and Navigation	Peru	1	02.02.2012
2 new Regional Members				
30015	African Regional Centre for Space Science and Technology Education – English			14.03.2010
30016	EIS Africa			29.10.2010
11 new Sustaining Members				
40111	Ramani Geosystems	Kenya	D	12.09.2008
40112	Photarc Surveys Ltd	United Kingdom	D	14.03.2010
40113	Beijing GEOWAY Software Co., Ltd.	China	B	14.03.2010
40114	Vietnam Association of Geodesy, Cartography and Remote Sensing	Vietnam	B	01.06.2010
40115	GATEWING NV	Belgium	D	04.11.2010
40116	IGI mbH	Germany	D	31.03.2011
40117	LizardTech	USA	D	01.01.2012
40118	Silver Data Spatial-GIS Co. Ltd., Xiamen	China	B	01.01.2012
40119	Shaanxi Tirain Science & Technology Company Limited	China	C	01.01.2012
40120	GeoCue Corporation	USA	D	11.02.2012
40121	Center for Spatial Information Systems Research (CSISR), University of Haifa	Israel	E	14.02.2012

7. Changes of Category

No changes were presented

8. Approval of the new Fellows and Establishment of Fellow Committee

Recommendations from Fellows Committee explained by John Trinder (from 15 nominees):

Dieter Fritsch (Germany)
Martien Molenaar (The Netherlands)
Shailesh Nayak (India)
Paul Newby (UK)
Heinz Ruther (South Africa)

Recommendations were approved and the new fellows were congratulated by President Altan. Fellows Committee was disbanded and Council requested nominations for Fellow Committee for the next 4 years.

9. Ratification of Awards, MoUs and Contracts

Changes since the Centenary General Assembly in 2010:

Two New Awards:

Fred Doyle Award
Inghilleri Award

Changes in existing awards:

Otto von Gruber Award - changes to Article 4,
Schermerhorn Award – changes to Article 5.
Karl Kraus Award – a recommended change to timing of publication of books to 8 years from the close of nominations rather than the date of Congress. This has been agreed to by the sponsors.

MOUs – new agreements with 9 professional societies:

AARSE
EIS-AFRICA
ifpUS
EARSel
SELPER
AARS
OGC
LARS
RAC – (Russian Academy of Cosmonautics)

Three contracts have been signed:

International Journal for Geo-Information Publishing
XXII Congress with SSSI of Australia
Copernicus GmbH for managing abstracts and papers for ISPRS events

All of the above changes were approved.

10. Member Proposals to Host Technical Commissions 2012-2016

TCP II - Canada (Songnian Li, Costas Armenakis)

Proposed Candidates:

President: Songnian Li
Secretary: Suzanna Dragicevic

Proposed Country: Canada

ISPRS member for about 60 years;
First GIS in operation was in Canada
ISPRS Congress Ottawa 1972 plus previous hosting of various Technical Commissions
Support for hosting TC II from CIG and Ryerson University

Proposed Event

Joint international conference with CIG, CCAAC and SDH: 3-4 days with high quality international papers, exhibitions, workshops, technical/social tours and publications

Proposed Venue:

Downtown Toronto, September 2014.

Working Groups to cover:

Processing, analysis and modeling of spatial & temporal data
Multi-scale and multi-dimensional representation and models of spatial data
Spatial data and model quality
Integration of heterogeneous spatial information & systems
Spatial planning and decision support systems
Communication and visualization of spatial data
Cloud computing for processing and analyzing big spatial data and geo-statistics

Inter-Commission Activities:

Semantic interoperability and ontology
Geo-sensor data and moving objects data handling
Spatial data, information and location-based services

Major Activities:

ISPRS book series
Special journal issues
Midterm symposium
Joint workshops and conferences between TC II WGs and other WGs in other commissions

Future Cooperation:

TC IV and VII;
ICA Commissions on Cognitive Visualization, Data Quality and Geo-visualisation
FIG Commission 3
IGU Commission on GIS and MGS
GEO – Global Land Cover Task SB-02

TCP III – Konrad Schindler (Switzerland)

Proposed Country: Switzerland

SSPF/SSPT founded in 1928; 2 ISPRS congresses, 1 presidency, 6 council members, 5 commission presidencies, ISPRS editor in chief (1997-2004), 4 active universities

Proposed Candidates:

President: Konrad Schindler
Vice President: Manos Baltsavias
Secretary: Wilfried Harmann

Topics

Photogrammetric computer vision and image analysis

Early processing – image indexing, dense matching
 High-level processing – classification, object detection, automatic mapping, object extraction
 Point-cloud processing – management, classification and understanding
 Image sequences and dynamics – tracking, flow analysis

Goals:

Commission III Symposium: Photogrammetric Computer Vision – September 2014 Zurich with European conference on computer vision; use double-blind peer review process as before;
 Specialised Workshops: best in conjunction with other conferences or meetings for greater impact and attendance
 Benchmarking and validation – create and run rigorous benchmarks; focus of activities

Structure

Moderate number of working groups – avoid fragmentation, too small for critical mass (5-7 WG at most)
 Eg: 1. Orientation, image indexing, matching; 2. Point cloud processing; 3. Classification, detection, object reconstruction; 4. Image sequences etc.

TCP IV – Jiang Jie (China) CSGPC

Proposed Candidates:

President: Jiang Jie (NGCC)
 Secretary: Wang Qian (sec. WG IV/1)

Proposed Country: China

CSGPC – ordinary member in category 8; established 1959, comprising 18 technical commissions and 31 provincial branches, 1900 fellows, more than 10,000 ordinary members

Support for Jiang Jie's candidacy from the National Geomatics Center of China. Sponsors will be available for TC symposium;

Proposed TC Symposium

Late summer/early autumn in 2014, China with an expected 300-400 participants
 Publications – proceedings of the Symposium + special journal issues;
 She will encourage related workshops etc.

TCP I – Charles Toth (USA)

Proposed Country: USA

ASPRS: established 78 years ago and has more than 5,000 members, 6 divisions, 19 committees, 17 regions; has its own PE&RS journal; many ISPRS Council members in the past, has hosted many TCs/WGs, student awards and ISPRS Foundation

Proposed Candidates:

President: Charles Toth who has been active for 20 years especially in TC I;
 Secretary: Boris Jutzi

Proposed Event:

Inter-Congress symposium with ASPRS PECORA 19 Fall Conference in Denver, November 17-20, 2014

TC I current structure – 6 WGs + Inter-Commission WG I/V for UAVs

Vision for future: exploit potential of improved quality and increasing volume including CalVal activities:

Fully digital, multisensory data acquisition (large volume of diverse data from multiple platforms)
 Advanced integrated systems for sensor geo-referencing (orientation) and navigation (based on navigation and imaging sensors)
 New methodology for QA/QC processes
 Moving toward near real-time information extraction

TC V – Fabio Remondino (Italy) introduced by Canada

Proposed Candidates:

President: Fabio Remondino
 Sec: Fabio Menna

Support from SIFET/ASITA

New proposed title for TC V: Close-range Imaging, Analysis and Applications – which is a better reflection of TC's activities.

Now has 6 WG + 2 Inter-Commission WG with TC I and TC V

Name Changes for WG:

WG V/4: 3D-Modelling: methodologies and best practice
 WG V/6: close-range measurement for earth and medical applications

Vision for TC V:

Reinforce data & sensor fusion techniques for object extraction and scene analysis
 Fortify mobile mapping developments
 Strengthen the use of low-cost hardware for metric applications
 Investigate web-based solutions for 3D reconstructions and crowd sourced images/data as input for metric applications
 Seek medical applications
 Attract more scientists and engineers to TC V activities
 Propose benchmarking datasets for sensors investigation, evaluation of algorithm performances, etc.
 Strengthen collaborations with TC III and TC I
 Seek collaborations with EuroSDR

Midterm Symposium 2014- will be held in Riva del Garda, Trento, Italy which is a good location, with appropriate facilities and costs, at the end of June 2014 (close to TC III), involving 3 days with a commercial exhibition, tutorials, papers. etc The proposed Budget includes €400 registration fee.

Fabio's experience: organized 2 ISPRS workshops, 4 3D-Arch; 3 SPIE video-metrics; 4 summer schools

TC VI - Jianya Gong (China)

Proposed Candidates:

President: Jianya Gong
 Proposing 6 WGs– WG VI/6 will be new. The international summer schools for high level education for China and Russia have been running biennially and the TC wishes to extend it to other countries

Also plan to:

Establish a Web-based platform for educational/research resource sharing and cooperative research,

A joint tutorial with ICA Commission on Education and Training in Mongolia in 2013,

A joint symposium with ICA Commission on Education and Training in Wuhan in 2014,

A joint tutorial with ICA Commission on Education and Training in Africa in 2015.

TC VII – Jixian Zhang (China)

Proposed Candidates:

President: Jixian Zhang

Secretary: Yu Zeng

Plus 5 office staff from CASM

There is over RMB 1 Million per year to run office plus international travel from CASM, CSGPC and NASG

Some changes to WGs structure are planned but former chairs and co-chairs welcome to continue to serve TC VII.

Preliminary proposal for a new WG: In-situ Measurements and its Automation. WG will be encouraged to hold at least one workshop, especially in 2013 and 2015.

Proposed Mid-term Symposium in Lijiang in August 2014 with a proposed registration fee of US\$350. 450 participants are anticipated. Support is available from CASM.

Anticipated outputs:

A book entitled Advances in Modelling and Analysis of Remotely Sensed Data

Two special issues on remote sensing data processing and modelling

Publications from working groups

Regular articles for ISPRS Highlights

TC VII – Filiz Sunar (Turkey)

Proposed Candidates:

President: Filiz Sunar

Vice-President: Wolfgang Wagner (Austria)

Vice-President: Malcolm Taberner (UK)

Secretary: Ayda Akkartal Aktas (Turkey)

Plan to:

Expand and improve existing programs within the WGs by, for example, encouraging new novel, and exciting research in the field of ground observations;

Promote the importance of remote sensing and information extraction;

Encouraging a positive, collaborative attitude with TCs and other Societies;

Encourage greater participation and cooperation from other disciplines.

Cooperation with ICORSE, URSI and IAA

Proposed Commission VII Midterm symposium

Istanbul 9-12 September 2014, at Istanbul Technical University, lasting 3.5 day with 3 plenary sessions etc.

Registration fees €340.

TC VIII – Prof Raju on behalf of Vinay Dadhwal (India)

Proposed Country: India

India has hosted 3 commissions (I, VII and IV), 3 TC Symposia, 5 ISPRS WG workshops (IV – 3, V – 1, VI- 2, VIII- 2), and has taken an active EO role in many operational applications areas and satellite missions (10 operational satellites, 187 transponders); ISRS has more than 4000 members, a quarterly journal and other books, an annual seminar etc.

Proposed Candidates:

President: Vinay Dadhwal

Secretary: P.L.N. Raju

Proposed Midterm Symposium:

“Remote Sensing – Touching Lives” in Kochi, Jaipur or Chennai; the likely cost will: USD 100,000 with a planned registration fee of USD 250;

400 participants are anticipated. ISRS has supported from ISRO, MES, MEF, MA and others

11. Proposed introduction of Individual Membership (Ian Dowman)

Benefits to ISPRS:

individuals feel part of ISPRS, especially in countries without active Ordinary membership
 individuals will be eligible for benefits, e.g. travel grants

provides income; and

provides a mailing list.

Benefits to individuals:

ISPRS eBulletin and other correspondence
 preference for awarding of ISPRS/TIF travel grants
 certificate of membership

access to ISPRS website member resources

member discounts in book series

access to publication in ISPRS GI journal at reduced rates

Cost CHF 30 pa; students CHF 20; 4 year membership CHF 100 (students: CHF 60)

There are some concerns expressed by members:

It could take members from OdMs (but it is proposed that applications can be ‘controlled’ by OdM in each country of residence – i.e. each country can control and administer the process for its residents (process to be approved by ISPRS Council).

General Discussion:

Benefits to individuals must not harm national societies, eg ASPRS.

Council response: It is expected that active OdM would already provide connection to ISPRS, but there are some OdM who feel they might be threatened by individual membership. This is aimed at professionals who do not have good access to ISPRS through their OdM.

Concern was also expressed by the Dutch society – this might lead to individuals not being part of their local society.

Question: Can individual members hold positions in ISPRS? Answer: ‘No’

Services still to be determined by the new Council. Individual members will not get any benefits that are not available to OdM, so there are no advantages to professionals joining ISPRS rather than their local society.

12. Proposed Amendments to the Statutes and Bylaws

Presented by Ammatzia Peled

Annals of Photogrammetry, Remote Sensing and SIS which are separate from the Archives to distinguish them as reviewed papers have been added to the Bylaws where appropriate. This changes will be announced via ISPRS website, etc.

Item 12.A Statutes – Change to VI Membership

7. Individual Members. Individuals who wish to be involved with the activities and mission of the Society.

Item 12.B Bylaw VI - Membership

Fellows

6. Fellows

(a) Candidates shall be nominated by any Member of the Society or by Council. The nomination shall be considered by the Fellows Committee, and recommendations for the award of Fellowship shall be made to the General Assembly which will elect the Fellows.

(b) The Fellows Committee shall be composed of 5 members from Fellows selected by Council (2), an Honorary Member selected by the Honorary Members (1), and individuals elected by the General Assembly (2). The Committee shall select a Chair from amongst their number. Members of the Fellows Committee are ineligible for nomination.

(c) The maximum number of Fellows at any one time shall be 30, excluding those Fellows subsequently elected as Honorary Members. Up

to 5 Fellows may be elected in any one General Assembly.

This is replacing the version below that was adopted at Beijing, 2008

6. Fellows

(a) Candidates shall be nominated by any Member of the Society or by Council. The nomination shall be considered by the Fellows Committee, and recommendations for the award of Fellowship shall be made to the General Assembly which will elect the Fellows.

(b) The Fellows Committee shall be composed of 5 members made up from Fellows selected by Council (2), an Honorary Member selected by the Honorary Members (1), and individuals elected by the General Assembly (2). The Committee shall select a Chair from amongst their number. Members of the Fellows Committee are ineligible for nomination. ~~(note: the first Fellows Committee will have 4 members elected by the GA, and 1 Honorary Member).~~

(c) The maximum number of Fellows at any one time shall be 30. Up to 5 Fellows may be elected in any one General Assembly. ~~(note: in the first election in 2010, up to 12 fellows may be elected)~~

Individual Members – new clause

7. Individual Members

a. An application for Individual Membership shall be addressed in writing to the Secretary General and shall include a full statement of the applicant's role in the fields of photogrammetry and/or remote sensing and/or spatial information.

b. Applications may be submitted as follows:

By individuals who reside in a Country that has no Ordinary Member affiliated with ISPRS;

By individuals who reside in a Country that has a non-active Ordinary Member affiliated with ISPRS;

By individuals who reside in a Country that has an active Ordinary Member affiliated with ISPRS with no restrictions regarding individual membership in ISPRS;

Through the Ordinary Member affiliated with ISPRS that has restrictions on individual membership in ISPRS;

c. Council shall consider each application and make the final decision on admission of an applicant.

d. Council shall have the authority to cancel Individual Membership:

in case of action manifestly contrary to the interests and objectives of the Society;

in case of repeated default in payment of subscription fees.

Finances: Bylaw XV

4. The subscription fees of Individual Members, Sustaining Members and Regional Members,

established by the Council, shall be ratified by the General Assembly.

Congress: Bylaw IX

7. The Ordinary Member organizing the Congress shall sign a contract with the Society and be responsible for ensuring that adequate provisions are made for the Congress. The Ordinary Member shall obtain the necessary financial support for this purpose. The Ordinary Member shall be responsible for financing the Congress, including the preparation and publication of *The International Archives and Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences* relating to the Congress. For this purpose it shall have the cooperation of the Technical Commissions and of the Council.

New Commission names:

TC I Sensors and platforms for remote sensing
 TC IV Geospatial databases and location based services.
 TC V Close-range imaging analysis and applications
 TC VI Education, technology transfer and capacity development

Presentation by Switzerland

Expression of support for students should be mentioned in bylaws
 Propose that students pay < 50% fees for congresses and summer schools without a late penalty – this would require a change in Finances bylaw.

The President said that Council supports the idea but decided that the proposal contains too much detail to be in bylaws, so Council advises against this proposal. A further proposal will be submitted by Switzerland.

13. Proposed increase in subscriptions (Mike Renslow, ISPRS Treasurer)

Proposed increase of 115 CHF to 130 CHF to offset rising costs and loss of external funding and continue to support members. Total increase in revenue is ~20,000 CHF per years. There has been no increase in subscriptions since January 2009 but ISPRS has increased its web presence and publications and now has greater collaboration with other societies.

Internal revenue includes membership fees, symposia and congress revenue plus royalties. All are down about 15%. External revenue includes funding from home institutions, donations, and host support.

Costs: include Website, Journal, Student support activities, and operating expenses.

Total income for the current 4 years: CHF 576,799 (68% from member fees)
 Total cost: CHF 612,358
 Shortfall: CHF 11,862
 Potential increased revenue: CHF 20,646
 Proposed rate schedule if increase is approved is detailed in notes.

The proposal will be discussed at GA IV.

14. Report of the Strategic Plan Actions (Ian Dowman)

Implementation Status:

Printed version of report in notes.

The Strategic Plan was approved in Vienna. Subsequently 3 task forces have been set up in last 2 years.

Actions so far:

New journal: Int. J. Geo-Information (full report later)
 New Int. Annals of PRS and SIS with double blind peer review
 Copernicus will support ISPRS meeting organisers
 ISPRS eBulletin
 Individual Membership proposal (discussed above)
 Other publications, eg. GDRM booklet with UNOOSA and JBGIS
 Blog site set up but not public yet
 Council meetings on Skype for cost saving
 Funding from UNOOSA and TIF to support Africa/Asia
 Develop Body of Knowledge for curriculum development

Ongoing Actions:

Updating Orange Book
 Strengthen capacity building – changes to commission VI
 Website upgrades

Future:

Some actions have been limited by funding.
 Item 2.1 – list of experts – difficult to vet
 Role of women is a task for next council

Sustaining members - no success with requests for increased support

More funds needed for permanent secretariat, and marketing and promotion.

Permanent HQ for ISPRS (Item 4.7)

funding issues

passed on to new council

need to define role of office-bearers

further explore other options, possibly sharing services with other organisations.

The Strategic Plan will be a continuing task for the next Council.

Session 2 - Monday 27th August 2012

15. Election of Hosts of Technical Commissions

Secretary General Chen Jun provided explanation of voting rights for ordinary members at GA.

There are 90 OdMs in ISPRS: 44 were entitled to vote and 33 were present at GA

New OdMs admitted to GA were granted voting rights after payment of 2012 subscription fees.

Roll Call:

All countries were present except:

Czech Republic, Israel, Malaysia, Mexico, Slovak Republic

(126 maximum votes)

Results of Election of Hosts of Technical Commissions:

(Only TC7 had two nominations and hence required a vote – all other TCs had single nominations). The final list of elected Technical Commission Presidents (TCP) is:

TC I: USA

TC II: Canada

TC III: Switzerland

TC IV: China

TC V: Italy

TC VI: China

TC VII: Turkey

TC VIII: India

16. Report on the Journals:

1. ISPRS International Journal of Photogrammetry and Remote Sensing: George Vosselman (editor-in-chief)

- Growth in submissions, acceptance rate decreasing (27% in 2011)
- Move to time-based publishing by Elsevier
- Decreasing paper subscriptions, increasing online downloads
- Increase in impact factor (2.885 in 2011) and citations
- 2008-2011 U.V. Helava Award to: Konrad Schindler, Andreas Ess, Bastian Leibe and Luc Van Gool
- Changes to Elsevier contract (valid to 2016) include an increase in issues, subscription fee, page numbers, additional associate editors.
- Derek Lichti (U. Calgary) appointed new Editor-in-Chief as of Jan 2013

Certificate of appreciation presented by President Altan to George Vosselman.

2. ISPRS International Journal of Geo-Information: Wolfgang Kainz (Editor-in-Chief), published by MDPI

- Open access journal, preparation started in 2010
- Broad scope of journal covering all aspects of ISPRS Technical Commissions

- 8 published papers so far, high rate of rejection to protect quality in start-up phase

- Shorter processing time: average of 60 days

- High viewing of papers; increasing visits to webpage

- 5 special issues in pipeline (2012-13)

- Requests from the Editor-in-Chief:

- council members should write position papers about key topics of ISPRS

- TCPs should write position papers about respective TC

- TCPs should encourage WGs to publish workshop results

- New council to discuss fee waiver period extension with MDPI

Certificate of appreciation presented by President to Wolfgang Kainz.

17. Presentation of Certificates, Helava Prize Runners Up:

- 200: Helmut Grabner, Thuy Thi Nguyen, Barbara Gruber and Horst Bischof
- 2009: Jérôme Korona, Etienne Berthier, Marc Bernard, Frederique Remy and Eric Thouvenot
- 2011: Christopher Gold and Hugo Ledoux

18. Member Proposals to host the 23rd ISPRS Congress in 2016:

18.1 Czech Republic (Prague):

12-19 July 2016, Prague Congress Centre

Presenter: Lena Halounova

- Theme: "From human history to the future with spatial information"
- Proposed Organizing Committee: Karel Pavelka, Milan Konečný, Leoš Svoboda, Václav Šafář
- Presented video showcasing historical and cultural aspects of Prague, as well as infrastructure that can support Congress needs, including Summer School (Czech Technical University in Telč)
- Proposed fees
- CSPRS will donate 1% of fees to ISPRS Foundation
- Prague will result in the first female Congress Director

18.2 France (Paris):

Presenter: Nicolas Paparoditis

- France has long tradition of involvement in ISPRS and provided major scientific and technical contributions
- Priority to have accessible and open event
- Paris an attractive venue from historical, cultural and infrastructure aspects
- Congress exhibition in heart of event to increase interaction between industry and academia

- Commitments: balanced scientific program; attractive youth program; not-for-profit event; inter-generation event; 100% English-speaking event
- New features: poster proceedings; indoor robotic challenges; ISPRS Olympics
- Many possibilities for social program
- Efficient and experienced organizing committee

19. Reports of Council:

19.1 President: Orhan Altan

- Overview of President's responsibilities
- Strategic issues:
 - Promotion of ISPRS
 - Greater interaction and engagement with members; newly appointed regional representatives
 - Collaboration with relevant organizations: JBGIS, GEO/GEOSS, IEEE and OGC (through ICSU), UN-GGIM
 - Increased activities and engagement in under-represented areas: organization of meetings in Africa and Latin America
- Ongoing actions from 2010 Strategic Plan
 - Revised TC Terms of Reference
 - Attracting donations to ISPRS Foundation
 - Scientific activities
 - Interaction and engagement with members
 - Communications and publications
 - Introduction of conference management service
 - Representation of ISPRS at various conferences and meetings
 - Recognized of efforts of Council, TCPs, Regional Representatives, Committee Chairs, Editors; Gerhard Kemper; support for Secretary General, Treasurer and President
 - Society in healthy state but always more work to undertake in future.

Certificate of Appreciation presented by President to three individuals from Turkey who provided support.

19.2 Secretary General: Chen Jun

- Overview of Sec-Gen's responsibilities
- 11 council meetings, 5 joint meetings and 6 tele-meetings over last 4 years
- Prepared working documents and drafted minutes
- Approved 91 events (53% reports submitted) and 39 Archives Numbers – conference organizers need to improve reporting on these events for the future
- Membership management: membership changes and database maintenance
- Overview of ISPRS publications: ISPRS e-bulletin, ISPRS webpages, ISPRS Journals, ISPRS Archives, ISPRS page on GIM magazine
- Communication channels (external): ISPRS brochures (10000 copies), ISPRS Awards brochure

(300 copies), Silver Book, banners, correspondence with international organizations

- Communication channels (internal): website preparation, distribution of conference information from TCPs and WG to ISPRS email distribution list, query management
- Special thanks to Dr. Wang Qian, Mr Fan Jingsheng, Mrs Hu Junhong, Ms Chen Chen, ISPRS Council colleagues, John Trinder and Ian Dowman and others.

Certificate of Appreciation presented by President to Mrs Hu Junhong and Ms Chen Chen.

19.3 Treasurer: Mike Renslow

- Overview – global economic circumstances, impact on non-profit organizations and ISPRS and its members
- Increasing scope of finances over the last 10 years and cost of doing business
- Notable trends:
 - High levels of in-kind support needed from OdMs and StMs to support Council activities
 - Increased time demand on Treasurer due to e-commerce, security and email; more time working with membership
 - Treasurer's Position has become a Financial Manager having legal and fiduciary responsibility
 - Term transactions increased from around 400 to around 3000
 - Focused effort on transparency
 - Need for professional assistance and services
- Council's Responsibilities and Actions
 - Development and adoption of formal Financial Policy in 2009
 - Oversight from Financial Commission
 Next term considerations: upgrade software, review and update Financial Policy document, work with Regional Representatives to maintain regional membership list

20. Report on The ISPRS Foundation

Presenter: Dieter Fritsch

- Overview of TIF
- Overview of mode of operation
- Overview of Board of Trustees
- 4 Committees: Marketing and Promotions, Grants Evaluation, Large Grants Procurement, Audit
- Finance Update:
 - Financial Bylaws according to US legislation, recognised as 'publicly supported organization' and exempt from taxation
 - Operational costs of TIF dependent on donations therefore aim to increase donations
 - Trust Fund Amsterdam closed in 2011
 - ISPRS Foundation Investment Policy approved in 2006
 - Update on Grants 2008-12 (total spend approx. \$150000)

- Large Grants Committee prepared a 3 step process to be implemented in next 4 years to increase fundraising
- 2011 Annual Report was available at the Congress

21. Nominations for Council:

President: Chen Jun (China)

Secretary General: Ammatzia Peled (Israel), Christian Heipke (Germany), Cliff Ogleby (Australia)

1VP: Orhan Altan (Turkey)

2VP: Marguerite Madden (USA)

Congress Director: Nicolas Paparoditis (France), Lena Halounova (Czech Republic)

Treasurer: John Mills (United Kingdom)

Presentations by Secretary General Nominations:

1. Cliff Ogleby
 - Outlined his commitments to the role in terms of maintaining and enhancing reputation of ISPRS, support for operation and management of ISPRS, seeking new opportunities, improving communications
 - Developing new initiatives across different areas
 - Outlined past achievements and how these will contribute to and continue through to new role as Secretary General
 - Commitment of support from University of Melbourne and Surveying and Spatial Sciences Institute
2. Christian Heipke
 - Outlined his personal experiences and qualifications for the position of Secretary General including involvement with Strategic Commission and Hannover Workshop, Dean of Civil Engineering and home university
 - Outlined his perspective on ISPRS and the importance of his work in Society in three main areas
 - Roots and main focus of ISPRS is scientific, therefore ISPRS needs to remain the premier scientific organization in the face of growing interest in geospatial domain and competition from related disciplines

- Opportunities for improvement needs to be addressed: increase impact on geospatial information at large; more activity WGs with critical mass and impact; adaptation of meeting schedule to obtain more coherence and visibility both internal and external; further adaptation to ISPRS publication to improve quality, distribution and citation indices; better integration of both national mapping agencies and private companies; better cooperation with other sister societies to avoid duplication; more consistent internal management of the society including a review of role of Council members and rigid selection procedures; fees should be in line with global financial situation
 - Changes should respect views of ISPRS members, from which Council gets its mandate
3. Ammatzia Peled
 - Provided overview of personal history, qualifications and ISPRS experiences including 2 terms on Council
 - Provided outline of his potential contribution to the role, as well as support from home university
 - Broad scope of relationships with a variety of international societies

Meeting adjourned at 1pm.

Nominations for Financial Commission:

Presentation of candidates for the Sec. General:

22. Nomination for the Fellows Committee:

Postponed till GA-III

23. Discussion of Amendments to Statutes and Bylaws:

Postponed till GA-III

Session 3 - Wednesday 29th August 2012

24. Election of Member to Host the ISPRS Congress in 2016

The agenda item left from last GA II will be combined with Item 33.

The President acknowledged Amelia Budge for her assistance to the Treasurer with an award.

New Ordinary Members have been added and are eligible to vote.

Roll Call:

All countries present except: Mexico

The President provided explanation of how to vote (by country name)
40 members are entitled to vote, 155 maximum votes

25. Report from the Regional Representatives:

1. Summary Report: Africa Dr. Hussein Farah Regional Centre for Mapping of Resources for Development (RCMRD) Nairobi
 - Regional Memembers introduced in 2008 for objectives and aims of ISPRS to reach Africa.
 - In 2009: workshops held to explore Disaster Management and Humanitarian Assistance using

Earth Observation from 23rd – 25th October as well as two additional seminars.

- In 2010: signed MoU between ISPRS and African Association of Remote Sensing, and between EIS Africa, and participated in ISPRS Centenary Celebration
- In 2011: Workshop on global geospatial data resources for planning and Lake Victoria Basin Regional Planning Workshop
- In 2012: Workshop on Free Open Source Geospatial Software
- Future activities planned: Workshop in Morocco Nov 2012, Membership Drive, One Week Summer School at RCMRD in June 2013 and ISPRS Technical Commissions and Working Group events.

2. Summary Report: Southeast Asia: Dr. Nguyen Dinh Duong, Institute of Geography, Vietnam

- 12 countries in SEA, only 7 countries are members of ISPRS
- Dr. Nguyen Dinh Duong has been actively involved since 2009
- SEA Regional representative works closely with ISPRS WG VI/5 and successfully organised the 5th Summer School in Hanoi in 2010, Taiwan in 2011 and ACRS2012 in Thailand.
- SEA Regional representative has convinced the Vietnam Association of Geodesy, Cartography, Remote Sensing and VGCR to become new Sustaining ISPRS Member
- Next activities include to re-establish communication with existing ISPRS members in the region; to coordinate various joint activities between AARS and ISPRS; to promote ISPRS in the region through organisation ISPRS special session during Asian conference on remote sensing.

26. Ratification of the Congress Director:

- Following the vote by the General Assembly, the 2016 Congress will be held in Prague, Czech Republic.
- The President therefore requested ratification of Lena Halounova as the new Congress Director, which was carried by acclamation.

27. Election of the President

Chen Jun was elected as the new ISPRS President by acclamation.

28. Election of the Secretary General (vote)

- President explained the rules for the voting process. The new SG must receive 51% of the votes.
- A clear majority of 68% of votes were received for Christian Heipke from Germany.

29. Election/Appointment of First Vice President

- First Vice President Ian Dowman took the chair and asked the GA to approve Orhan Altan (Turkey) as

the next First Vice President. This was approved by acclamation

30. Election/Appointment of Second Vice President

- Marguerite Madden (USA) was elected as Second Vice President by acclamation.

31. Election of Treasurer

- Jon Mills (UK) was elected as Treasurer by acclamation.

32. Election of Chair and Members of the Financial Commission and the Fellows Committee

- Nominations for France, Turkey and USA were made for the Finance Committee () but these were all ruled inadmissible because people from these countries already held position on Council or as TCPs.
- President informed that the Council is still waiting for the nominations of the Fellows Committee

33. Decision on Amendments to Statutes and Bylaws

- All changes proposed by the Second Vice President were accepted except for Individual membership.
- Individual membership
The ASPRS proposed Option A & B as alternative formulas for Individual Membership

Option B – An application for individual membership from countries without an Ordinary or Associate Member present shall be addressed in writing to the SG and shall include a full statement of the applicant's role in the fields of photogrammetry and or remote sensing and/or spatial information

Option A – More complicated. Places the responsibility with the SG to determine annually whether each OdM or AM wishes to restrict Individual Membership.

- Austria, Slovak Republic, Switzerland, Italy, Germany state that the GA needs to see better documentation before making a decision.
- President asked for a response from the GA – did the GA want to introduce Individual Membership?
- After a ballot vote, 62% of the casted votes were in favour to introduce the Individual Membership.
- The President also asked if Individual Membership should be restricted or not restricted, The GA voted for unrestricted Individual Membership.
- The General Assembly agreed that the next Council revisits this issue and possibly votes later by postal vote.

- Bylaw changes proposed by Switzerland
 - (a) Fees for students should be set at a level which will enable a good attendance by students and should be around 50% of the regular registration fee.
 - (b) The Congress should include appropriate activities proposed by the Student Consortium. These could include a Youth Forum during the Congress and a 'Summer School' before or after the Congress.
- The delegate from Canada proposed that the 50% deduction should be of the early registration fee, not the regular registration fee.
 - The President withdrew this from the agenda and requested further consideration of this item before GA IV.
- 2VP explained the further changes regarding the ontology in the Technical Commission documentations (TCV, and TCVI).

34. Expulsion of Members in Default of Payment of Subscription Fees

- There is no expulsion

35. Report on Inter-Organisational Relations

- Chen Jun reported. Highlighting collaborations with
 - The United Nations (Office of Outer Space Affairs (OOSA), Global Geographic Information Management (GGIM)).
 - International Umbrella Organisations such as ICSU, ISO, International Council for Science (ICSU), Group on Earth Observation (GEO),
 - Other International Societies (Joint Board of Geospatial Information Societies (JBGIS) comprising of FIG, ICA, IHO, AIG and ISPRS).

ISPRS will continue to develop and conduct collaboration with other key organisations such as IGO

36. Report on Communications

36.1 ISPRS eBulletin

- Every year the Council will publish 6-8 issues of the official bulletin of the society.
- Chen Jun asked the GA to provide news items for the eBulletin
- Currently only 50% response for request for eBulletin. The SG needs better support.
- The President asked the Ordinary Members to distribute and support this initiative

36.2 Website

- Markus English reported:
- The ISPRS website moved from ETH Zurich to the University of Stuttgart four years ago.
- They host 961 aspx files, 3000 html files and more than 17000 PDFs and more than 50,000 papers.
- Most visited areas: Publications, Calendar, Job Opportunities.

- Most visited pages: Archives papers, Documents about events.
- Visitors from all over the world with concentration in Europe, USA, Japan, Australia, East Asia.
- Archives are one of the most important products of ISPRS. Therefore more time has been spent provide better access to the archives.
- In 2011, agreement signed to capture and host proceedings by Copernicus for a better accessibility of the archives.
- Other activities include a detailed documentation of the Centenary celebrations; ISPRS eBulletin replaced the former ISPRS Highlights; On-line awards nomination system; since 2009 the locations of the events is included in the ISPRS calendar.

The President acknowledged Markus's valuable contributions.

36.3 Book Series

- Paul Aplin (UK) reported:
- Since Beijing, three volumes have been published (Vol. 8, 9 &10) and from a qualitative point of view, they were a tremendous success.
- Paul is concerned that in quantitative terms, three volumes in 4 years is not enough.
- Sales figures are modest but fairly strong considering the context.
- As a community, particularly the senior academics, there needs to be more communication to promote the Book Series.
- Volume 11 is in press, and there is only one other volume planned.
- The Book Series needs to go back to its original intent, which is to report on the technical conferences that take place.
- There are incentives and opportunities available for the ISPRS community to engage with the Book Series.
- Paul Aplin stood down as the editor and the Council has appointed a new editor, Prof. Zhilin Li, from The Hong Kong Polytechnic University.

37. Reports from ISPRS Committees

37.1 IPAC

- Rainer Sandau reported:
- IPAC provides information and advice to the Council according to ToRs.
- International collaborations have been achieved with (International Academy of Astronautics (IAA), European Space Policy Institutes (ESPI), and Russian Academy of Astronautics named Tsiolkowski (RAATS)).
- 1 book, 1 book chapter, 6 conference papers published.

37.2 ISAC

- Armin Gruen reported:
- Established 8 years ago, Armin has chaired the committee for 8 years.

- The 14 members have been very active.
- The Chairman would like to express his sincere thanks to all those members who have contributed to the Committee's work over the past period.
- The flow of information between Council and ISAC needs improvement.
- Armin Gruen will step down as Chairman and the Council has appointed Ian Dowman as the new Chairman

37.3 ICORSE

- No report.

37.4 CIPA

- Disappearing heritage due to conflicts.
- Challenges include: identification of heritage places, aging build environment, consistency and reliability of information, fragmented standards and guidelines, longevity of information, and conflict
- Members are from ISPRS/CIPA/ICOMOS
- Around 10 publications.
- Future activities include the EuroMed conference in 2012, and the 24th CIPA symposium in Strasbourg, France 2013.

- Propose that the ISPRS engage CIPA further for UNESCO related resolutions.

37.5 Ad Hoc Committee on Standards

- No report.

37.6 Student Consortium

- Mission: to promote the Society to the next generation.
- First Youth Forum in 2004, Istanbul.
- Has been an integral part of ISPRS.
- Aim to achieve national and regional networks.
- Representatives all around the world. 800 members from 87 countries. Stronger representation in Europe and Asia.
- Developed website, quarterly newsletters.
- Outlook – continuous promotion of the Consortium.
- It is suggested to make the Student Consortium a permanent part of the ISPRS, defined by the Bylaws.

The President assures the future support of the Student Consortium.

Session 4 - Friday 31st August 2012

New items:

1. Application from AFSRS to become ordinary member category 2
- Approved
2. Finance committee – 2 new members proposed: Fluvio de Rinaudo (Italy) and Olga Piedad Rudas (Columbia)
– both were accepted
3. Fellows committee – propose John Shi (Hong Kong) and Stefan Nebiker (Switzerland)
– both approved
4. The GA agreed the following changes to the Bylaws:

Revised versions of the proposed additions to Article 7 of Bylaw IX and Article 7 of Bylaw XIII as proposed by Switzerland were approved subject to the amendments listed below.

BYLAW IX - Congress

7. a. Fees for students should be set at a level which will enable a good attendance by students and should be no more than 50% in general of the early registration fee. around 50% of the regular registration fee.

b. The Congress should include appropriate activities proposed by the Student Consortium. These could include a Youth Forum during the Congress and a 'Summer School' before or after the Congress.

BYLAW XIII - Technical Commissions

7. Each Commission is expected to organize an International Symposium. The Symposium should include appropriate activities designed to attract students and the fee for students should be set at a level which will enable a good attendance by students and should be no more than 50% in general of the early registration fee. around 50% of the regular registration fee.

38. Congress Director's Report

Report from Cliff Ogelby, ISPRS 2012 Congress Director,
Deferred

39. Approval of Resolutions for 2012-2016

Ian Dowman

General Recommendations for organization of society –

- 0.1 Commendation to SSSI and ISPRS 2012 committee
- 0.2 Capacity building
- 0.3 Importance of ranking publications
- 0.4 Cooperation with other professional spatial groups

Technical Resolutions

TC I:

- 1.1 Data Quality
- 1.2 DSM/DTM

1.3 Integrated Sensor Geo-referencing and Navigation

TC II:

- 2.1 Multi-layer data in DSS
- 2.2 Geo-computing
- 2.3 Uncertainty modeling
- 2.4 Geo-visualisation

TC III:

- 3.1 Links with computer sciences and robotics
- 3.2 Big data models
- 3.3 Data fusion

TC IV:

- 4.1 Interoperable GIS
- 4.2 Geospatial infrastructure
- 4.3 Emergency support data
- 4.4 Planetary research

TC V:

- 5.1 Gaming sensors
- 5.2 Mobile mapping
- 5.3 Open source and web-based imagery

TC VI:

- 6.1 Cooperation for educational outcomes
- 6.2 Promotion of professional to students

TC VII:

- 7.1 In-situ measurements

TC VIII:

- 8.1 Global change studies
- 8.2 Society Benefit applications
- 8.3 Collaboration with global science programs and communities

All approved.

40. Report of Financial Commission

1 January 2008 – 31 July 2012

Part 1: Financial Planning and Budgeting Policies

Part 2: Accounting and Operating Policies

Final report is summarized as follows:

1. Revenue and subscriptions: membership fees increased since 1997; dividends reduced last 6 months
2. Expenses – total expenses reduced since 2008; student initiatives have increased (principally summer schools); balance very variable 2008 to 2012; publications highest expenses 2010 (6 journals/series)
3. Assets – total has small increase due to 2012 Congress
4. Conclusion – stable finances; decreased 2009-2012 due to pre-payment for 2012 congress

Thanks for Mike Renslow (Treasurer) and assistant, Amelia Budge.

Additional comments by President:

2. Reduced costs of Council travel due to Skype meetings
3. President supported by own government
4. Chen Jun also supported by his employer

41. Decision on Unit of Subscription

Mike Renslow: Discusses Proposal for Unit Subscription increase

- difficult budgets for many Ordinary Member countries
- fee increase would cause some countries to change membership categories or even cancel subscriptions
- Council suggesting that fee increase now inappropriate, so the recommendation to remove this item from agenda for this meeting.

42. Appointment of Regional Representative to Council

Council proposed:

Africa: Hussein Farah

East Asia: Nguyen Dinh Duong

Latin-America: Mario Hernandez

Approved by acclamation

43. Other Business

Presentation: ISPRS Study on the Status of Mapping in the World

Project supported by Council and led by Prof. Gottfried Konecny (presentation to be placed on ISPRS Website)

1986 study: 33.5% of world mapped at 1:25,000, annual update only 5% (different statistics for other scales)

Project 2012: (with UN) reviewing current status of national maps and related products for 69 countries:

- Gaps in responses from India, Russia, Eastern Europe plus parts of Africa and South America
- 28 countries have geo-portals for viewing or delivering digital maps
- Over 50% countries sell their data – others free or restricted
- 74% have on demand satellite acquisition
- Need to increase participants and quality of responses
- International map vendors exist: EastView Geospatial, ILH Germany
- Still to be achieved: additional data from non-participants; data analysis and report

38. Congress Director's Report

Report from Cliff Ogleby, ISPRS 2012 Congress Director

Final report in Part A of Congress Archives

Thanks to Mark Shortis for Technical Program

1941 registered participants from 74 countries (500 from Australia, 320 from China, 156 from Germany, 114 from Japan)

71 day registrations

Many on-site full registrations

78 exhibitors over 25% from China; included large and small companies

292 double blind, refereed papers for Annals

Over 787 conference papers for archives

30 invited papers

11 plenary presentations
 382 short/interactive
 95 participants in 3 well-attended workshops/tutorials
 65 participants in technical tours
 Digital posters – more popular with young participants
 Conference app – will be updated for next few weeks
 1532 at welcome reception
 18 participants at football/soccer
 492 for congress dinner (only ~280 in early August)

159 social tours (penguins most popular)
 AUD much stronger (75c to 105c) from Congress
 bid so participant cost rose 25%
 Congress broke even 6 weeks ago
 Feedback from Congress has been very positive

44. Date of Next General Assembly

July 2016, Prague

45. Close of General Assembly

15:35: Thanks from President

REPORT of ISPRS PRESIDENT ORHAN ALTAN to the GENERAL ASSEMBLY for the TERM 2008–2012

Distinguished Delegates, Representatives, Advisors and Guests, Ladies and Gentlemen

1. INTRODUCTION

It is my pleasure to present my report at the XXIIInd Congress of ISPRS. It has been an honor and privilege to have served as President of ISPRS for the past 4 years and I am very thankful for the support of so many colleagues and associates during my term of office. I have had the opportunity to meet many people from sister societies, from government organizations and from other groups who have an interest in ISPRS and in the science which we promote.

I will report to this General Assembly (GA) on the activities and achievements of the Council during the past 4 years, and my assessment of the current status of the Society. I will touch on some topics which will be covered in more detail by the people responsible.

As President of ISPRS, during the closing ceremony at the Beijing Congress in 2008, I said that ISPRS should prioritize environmental monitoring and sustainable development, and looking back I realize that we established several Working Groups on Environmental issues to operate during the term 2008-2012 and I think we have achieved some good results on these aspects.

These priorities are reflected in the preamble of the Strategic Plan of the Society, which was approved in Vienna at the Centenary Celebrations of the ISPRS, : “as the mission of ISPRS... to advance the photogrammetry, remote sensing and spatial information sciences through international cooperation in research, development and education for the benefit of society and for environmental sustainability;... Implementation of the strategy will produce an efficient, professional organization, ready to meet the challenges of changes to the environment.”

2. COUNCIL ACTIVITIES

2.1 Meetings

The Council convened ten formal meetings during this inter-Congress term, on five of these occasions also with the Technical Commission Presidents. Transition meetings were also held of Council and of Council with the Commission Presidents soon after the elections were decided at the Beijing Congress in 2008, to review goals, responsibilities, guidelines and future meetings. Council has also met informally on occasions when four or more members have been together at other meetings. In the last 2 years we have used Skype teleconferencing quite often. Details of the Council and Joint Meetings will be reported on by the Secretary General.

Minutes of these meetings have been published in ISPRS Highlights and eBulletin and also on our Society’s webpage. I want to express my gratitude for the generosity of the Members who hosted and provided support to convene these meetings.

2.2 Strategic issues

2.2.1 Outline

Technologies in photogrammetry and remote sensing have changed enormously over the past 100 years. They were originally based on hardcopy images and outputs, and processing methods, prior to the development of computers, were aimed at avoiding computations because of their complexity. Today’s images are digital and the processing is likewise digital. As well, multispectral digital imaging from aircraft and satellites are far more readily available than in the past. Management of spatial data has become inherently part of the processing of information derived by image processing. Hence ISPRS now has two Technical Commissions dealing with spatial information acquisition, processing and management.

ISPRS today is also governed by Statutes and Bylaws that ensure that the Society is well managed and is very active in attracting many high quality scientists to work on the ISPRS Council and to manage its scientific activities. Therefore ISPRS today has developed from the strong foundation introduced by the early leaders based on photogrammetry, into a leading broadly based Society dealing with all aspects of 'information from imagery'

Among the Vision Definitions we have stressed; "... the voice of ISPRS will be heard in meeting environmental and societal challenges, from galactic phenomena to the microscopic"; and in the Strategy Definition we have said: "use core disciplines in applications such as disaster management, health, cultural heritage and maintenance of a sustainable environment" and "develop interest in key international issues such as working towards the Millennium Development Goals and climate change".

Realizing that the strategic plan approved in 2000, at the Amsterdam Congress, needed to be renewed in order to cope with the different developments in our sciences and new developments associated with the Society; and to ensure that it is organized to meet the challenges and be recognized as the premier organization to collect and manage spatial information based on imagery, we have discussed and approved the new strategic plan during the Centenary General Assembly in Vienna in 2010. You have heard of and will hear more on the implementation results of this Plan during the General Assemblies.

2.2.2 Promotion of ISPRS

The brochures of ISPRS have been widely circulated by the Headquarters in Beijing and the ISPRS Profile which was developed by the team at the Technical University of Istanbul has also been widely used. The outcomes from meetings, published as The International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences are important promotional material of the Society and they have been placed on the Society's web site for free use.

2.2.3 Greater interaction and engagement with Members

ISPRS is a 'Society of Societies' with a mandate to include members from all regions around the world. The Society adheres to the Statutes and Bylaws of ISPRS which specify that the 'Society pursues its aims without any discrimination on grounds of race, religion, nationality, or political philosophy'. Through the ISPRS Technical Commissions, we aim to attract people from as many countries as possible to participate in their activities. The newly appointed Regional Representatives from Africa, Latin America and Asia are a further demonstration of the Society's commitment to include participants from all parts of the world. Recent meetings with these representatives have proved to be very fruitful and have led to new collaborative initiatives for these regions. As well, the

ISPRS Council has been very active in visiting as many national members, regional members and international organizations to encourage participation in ISPRS activities.

Most of the ISPRS Officers and Working Group chairs are from the developed world and people from Africa, Latin America and parts of South East Asia are not well represented, and are little heard of within ISPRS. As a first step towards rectifying this, open meetings have been held at conferences in these regions in which a presentation has been given on ISPRS and discussion held to obtain views from both members and non-members. Meetings have been held in Pretoria, Hanoi, Taiwan, Santiago de Chile and several other parts.

2.2.4 Collaboration with relevant organizations

A full report on collaboration will be given by the Secretary General. Major applications of our technologies have especially included managing and monitoring natural and man-made disasters. The 'JBGIS Best Practices Booklet on Geo-Information for Risk and Disaster Management' launched at the UN Office of Outer Space Affairs (UN-OOSA) on 2 July 2010 during the ISPRS Centenary Celebrations, document a number of examples of these applications. This publication demonstrates the excellent cooperation between ISPRS and UN-SPIDER in applying remote sensing technologies for disaster monitoring, management of relief for victims and documenting the impacts of the disasters. Another follow-on project is under development. In addition, ISPRS is a member organization of the Group on Earth Observation (GEO), which is making significant advances in the development of the Global Earth Observation System of Systems (GEOSS). Achievements of GEOSS are many, but they include: the GEOSS data sharing principles; the Geo Web portal; and GEOSS clearinghouse for searching data, information and services registries containing information about GEOSS components. ISPRS has developed a series of workshops on GEO through collaboration with IEEE and OGC and by working within ICSU. At this conference you will see the results of these links through special sessions organized together with URSI, IAA, and ICA, etc. ISPRS has also joined The UN initiative on Global Geospatial Information Management (GGIM) which brings together most of the organizations involved with geospatial data.

2.2.5 Organization of meetings in Africa and Latin America

I believe that the recognition of ISPRS in Africa has significantly increased during the past four years. I have attended and contributed to 2 meetings of the UN, Economic Commission for Africa, Committee on Development Information (CODI), and meetings of Africa GIS, AARSE and FIG. Two Workshops have been held in Africa and a third is being organized for October this year. I have to mention the strong engagement of First Vice President Ian Dowman

especially in these parts of the world. With his efforts we have also organized the first “Latin American Remote Sensing Week” in Chile. A further engagement is under discussion. Our collaboration within ICSU GeoUnions has been very fruitful. The ICSU GeoUnions have influenced the work of ICSU, and I am delighted that we have been awarded a grant for Mapping GeoUnions to the ICSU Framework for Sustainable Health and Wellbeing, Focus on sub-Saharan African Cities and our contributions were very valuable to the ICSU project “EXTREME NATURAL HAZARDS AND SOCIETAL IMPLICATION (ENHANS). I was nominated by the GeoUnions and elected at the last General Assembly in Rome to the ICSU Executive Board. ISPRS organizes together with UNOOSA a conference series on the “Applications of Socio-Economic Benefits“. We have organized several capacity building workshops in Africa in collaboration with IEEE, UNECA and US Department of State. We are also planning more workshops with ICA. In South America we worked with SAF, the photogrammetric service in Chile to organize LARS, the Latin American Remote Sensing Conference.

3. ONGOING ACTIONS FROM THE 2010 STRATEGIC PLAN

3.1 Outline

Council dedicated considerable time and financial resources for the preparation of the Strategic Plan. I am very happy to say that with its new form and content we have up-to-date plan and Council is giving high priority to its implement. Therefore we have placed extra items for discussion on the agenda for this General Assembly covering actions from the Strategic Plan.

3.2 Commission ToRs

The Terms of Reference of the Technical Commissions were completely revised in 2004 at the Istanbul Congress. However, both Council and the TCPs agreed that the basic concept was correct, but some modifications are required, so we will have some discussions on the ToRs at this meeting.

3.3 ISPRS Foundation

Progress in attracting donations to the Foundation has not been as good as hoped. Nevertheless the Foundation has attracted donations and performed a useful role in allocating funds, mainly for travel to conferences for people from developing countries. A separate report on the Foundation will be made to the General Assembly.

4. SCIENTIFIC ACTIVITIES

The main activities of ISPRS have been the meetings organized by Technical Commissions and Working Groups. These are reported on in detail by the Secretary General. The most important events were the Commission Symposia held in 2010. The Commission Presidents have done an excellent job in ensuring that

all relevant areas of science have been covered by working groups and although not all working groups have been active, most have organized at least one meeting during the four year period. Of particular significance have been the joint meetings and it is pleasing to see a number of meetings becoming regular events, such as the Hannover Workshops on use of high resolution imaging, the Photogrammetric Image Analysis Workshop (PIA), Mobile Mapping Technology (MMT) and Gi4DM. Some of these meetings have been jointly organized with other societies. The meetings of ISPRS Committees, CIPA and ICORSE are also internationally recognized biennial events.

Council is advised on scientific matters by the International Science Advisory Committee, and on policy issues by the International Science Advisory Committee (IPAC) which are permanent committees of ISPRS. The four year cycle of ISPRS can mean that new developments are not taken on-board as quickly as necessary; we look for the advice from ISAC on which topics should be urgently pursued.

In 2004 we set up an ad hoc Committee on Standards to co-ordinate work on standards across the Commissions and Working Groups, and to represent ISPRS at ISO and other standards groups. I am grateful to Wolfgang Kresse for his continued chairing of this committee and for the support of Hans Knoop in representing ISPRS at ISO until his untimely death.

5. COMMUNICATIONS

The main means of communication within the Society and externally have not changed except for their formats. A major change was from ISPRS Highlights to an eBulletin. Detailed reports will be given by the editors. The ISPRS Journal of Photogrammetry and Remote Sensing has continued to flourish under the editorship of George Vosselman, with the help of the Associate Editors. A new contact with Elsevier is currently being negotiated.

We have a new online journal “ISPRS International Journal of Geo-Information” with the aim of providing an advanced forum for the science and technology of geographic information. This is being managed by the editor-in-chief Wolfgang Kainz and several of Editorial Board members and published by the MDPI.

We have signed contracts with event organizers who have continued to produce the International Archives of the Photogrammetry Remote Sensing and Spatial Information Sciences, mainly as softcopy and most proceedings are now available on the ISPRS website, although there have been some difficulties because of editors not producing proceedings in the required format.

As one of the oldest international societies in the field of geo-sciences, ISPRS has a very good reputation for organizing a number of high standard scientific events each year, which promotes an understanding of the role

of imagery and the utilization of geo-spatial information for all of society. However, ISPRS does not provide infrastructure and organizational support to most of the meeting organizers, except for the guidelines and electronic advertisements (ISPRS calendar and ISPRS ebulletin). Every organizer of an ISPRS workshop or symposium has to learn about and take care of all aspects relevant to the organization of the meeting. After some discussion during the opening business meeting during ISPRS centenary in Vienna and a number of meetings with Technical Commission Presidents and Working Group officers, ISPRS Council decided to introduce a conference management service provided by Copernicus Gesellschaft mbH.

The major purpose of the conference management service is to assist ISPRS event organizers to facilitate the management of their events. With the professional conference organizational support, scientists from academia or governmental organizations will be able to focus on their academic work or scientific programs. Another motivation for using such a conference management service is to raise the academic standards of ISPRS sponsored events. Having the publications of ISPRS events included in the important scientific publication databases will be the next step to follow. The ISPRS Council will work together with Copernicus to achieve this in the near future.

Another new publication is the ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences and you are witnessing this for the first time at this Congress. It is dedicated for the publication of the double blind review papers and 4 Technical Commissions have made use of this opportunity at this Congress. The Book Series, edited by Paul Aplin has produced 4 volumes and of particular note is Advances in Photogrammetry, Remote Sensing and Spatial Information Sciences.

The ISPRS website has developed well under the control of Markus English from University of Stuttgart.

6. MEMBERSHIP

I have noted already the problem of members in arrears and the Secretary General will report on membership.

7. ADMINISTRATION AND OPERATIONAL MATTERS

7.1 The Society Headquarters

The day to day running of the Society is the responsibility of the Secretary General. Chen Jun has set up an efficient organization in Beijing and has made good use of the tools provided by previous Councils, particularly the membership database. Good communication has been established with Members and the Society has been well run. The smooth running of the office in Beijing, and the management by Chen Jun has ensured that the Society has prospered during the past four years.

7.2 Finance

The Treasurer has run the financial side of the Society very well and made a number of important innovations. This, along with a number of issues which should be discussed by the new Council are set out in the Treasurer's report. With his wide knowledge of financial affairs Mike Renslow assisted by Amy Budge who also assisted the previous Treasurer, many improvements in our budget, income and expenses has been achieved. This has resulted in an efficiently run Treasurer's office. The GA is aware of the proposal to raise subscription and I hope that you will support this to enable the Society to continue to operate on a strong financial basis; an increase in activities of ISPRS is highly desirable and this will be possible with a healthier bank balance.

7.3 Representing the Society

During the past four years, I have had the opportunity to visit many countries for the purpose of representing ISPRS at meetings and conferences. The Society has also been represented by other members of Council when appropriate. I have always tried to visit ISPRS member organizations in those countries in which we are represented. I have also met representatives from other countries at conferences and meetings. I am very grateful to those members who have shown me hospitality during the past four years and very much appreciate the opportunity to experience their culture and discuss local and global issues. Meetings with our Regional members have also been very productive and we have ongoing discussions with EuroSDR and AARSE about closer collaboration.

I have formed the opinion from these visits and discussions that ISPRS play an important role in bringing people together from different countries, that it can make a significant contribution to the international development of photogrammetry and remote sensing, and that our involvement with ICSU and the United Nations gives our members opportunities for developing national programs.

8. RECOGNITION OF CONTRIBUTIONS OF THE COUNCIL AND ISPRS OFFICERS

An organization such as ISPRS should develop and grow stronger over the years. Hence the achievements of the 2008 - 2012 Council are built on the contribution of those which went before it. In particular I would like to mention the actions, which resulted from the Strategic Plan approved in 2010 and the engagement with other organizations, which resulted from that. However, we must take responsibility for what has been achieved during the last four years and what could not have been achieved without a committed and dedicated team. The President relies heavily on his fellow Council members. I have already paid tribute to Secretary General Chen Jun and Treasurer Mike Renslow but the experience and wise advice from 1st Vice President Ian Dowman and the insightful comment and attention to detail of 2nd Vice President

Ammatzia Peled have been invaluable in the discussions of Council.

I do not need to repeat what a good job Congress Director Cliff Ogleby has done in organizing the Congress, and he has also made useful contributions to all aspects of Council discussion. Many hundreds of hours of personal, as well as employer time, have been spent by all of the Council in undertaking their duties. The Society should be very grateful for having such a totally committed Council. I acknowledge the contributions of the Technical Commission Presidents and their secretaries who were all very committed to their task, their WGs chairs, co-chairs and secretaries, the Financial Commission, the publication editors, chairs and members of ISPRS permanent committees, IPAC, ISAC, ICORSE and CIPA and our Regional representatives.

I cannot name all of these people, but the work of ISPRS has been team effort. The role of President is indeed very challenging, but I am grateful to my supervisors at Istanbul Technical University, who have permitted me to hold Council positions in ISPRS, including the presidency. I am indebted to my colleagues at the Institute for Photogrammetry and

Remote Sensing who undertake my duties in my absence. I wish also to thank to the Turkish Government for their financial support given to me.

9. SUMMARY OF STATUS OF THE SOCIETY

I hope that I have indeed promoted the interests of the Society during this time. That is one of the responsibilities of the President, but I have certainly learned a lot, and gained understanding of many aspects of science and of the cultures within our global community and, I hope, used this to benefit ISPRS. This has been possible because of the interest and respect of many people in the work of ISPRS, and I sincerely thank all those who have extended their hospitality to the Society and to me as President during the past four years. In conclusion I believe that in August 2012 the Society is in a healthy state. There is always more work to do and I am confident that this will continue under the new President. I thank the General Assembly for the support and ask them to accept this report.

Orhan Altan, President

REPORT of ISPRS SECRETARY GENERAL CHEN JUN to the GENERAL ASSEMBLY for the TERM 2008–2012

Distinguished Delegates, Ladies and Gentlemen,

It is my great pleasure to present my report on the activities of the Secretary General since the last Congress in Beijing in 2008. As Secretary General, I was responsible for the running of the Society, in particular for business meetings and events co-ordination, membership management, publications of the Society; communication within and outside the society and headquarters management. I also attended a number of meetings on behalf of the Society and represented the Society on occasions in place of the President.

1. Coordination of Business meetings and events

1.1 Council and joint meetings with TCPs

During the last four years, 9 council meetings and 4 joint meetings with TCPs had organized as listed in Table 1. SG and headquarter secretariat had prepared working documents and drafted minutes for those business meetings with the guidance of the president and the help of other council members. A number of ISPRS members have assisted and sponsored the organization of these business meetings.

Table 1. Council Meetings and Joint Meetings with TCPS (2008-2012)

No	Dates	Venue	Business Meetings
1	12 July 2008	Beijing, China	CM, JM
2	11-15 October 2008	Zurich, Switzerland	CM, JM
3	7-9 March 2009	Baltimore, USA	CM
4	2-9 September 2009	Enschede, Netherlands Stuttgart, Germany	CM, JM
5	14-17 March 2010	Haifa, Israel	CM
6	3 July 2010	Vienna, Austria	CM
7	16-20 November 2010	Orlando, USA	CM, JM
8	1-3 May 2011	Antalya, Turkey	CM
9	22-26 August 2011	Melbourne, Australia	CM, JM
10	15-17 February 2012	Beijing, China	CM
11	16-20 April 2012	Paris, France	CM, JM

Since April 2011, council started to meet on the internet via Skype. 6 Tele-meetings were organized

(Table 2). It has been recognized as an efficient communication way for exchanging ideas and makes fast decisions.

Table 2. Council Tele-meetings

No	Dates	Attendees
1	6 April 2011	Council
2	4 November 2011	Council
3	12 December 2011	Council
4	13 January 2012	Council
5	6 July 2012	Council
6	7 August 2012	Council

1.2 ISPRS sponsored events

ISPRS Technical Commissions (TC) and Working groups have organized a number of conferences and workshops, and other events with ISPRS sponsorship. A new event application form was designed by headquarters for facilitating the application and management of ISPRS sponsored events, and it has been included in the Orange Book (Appendix 19:

<http://www.isprs.org/documents/orangebook.aspx>).

Since the Beijing Congress, 91 events have been approved by SG. Table 3 lists the event numbers organized by every TC. Among them, 89 events were closed and 47 report/proceedings (53%) were submitted to ISPRS HQ. 39 Archives Numbers (TC Symposia not included) were given and 27(60%) have delivered their CD to ISPRS website for online access.

Table 3. Event numbers organized by every TC

TC	Organized	Closed	Submitted Summary/Proceeding	Rate of Received/Organized
TC I	15	14	7	50%
TC II	15	15	6	40%
TC III	4	4	3	75%
TC IV	19	18	12	67%
TC V	12	12	7	58%
TC VI	8	8	4	50%
TC VII	10	10	4	40%
TC VIII	8	8	4	50%

1.3 ISPRS special GA during its Centenary Celebration

ISPRS celebrated the centenary of its founding at the Vienna University of Technology on 4th July 2010, with a wide international participation of more than 350 people, including many representatives from related international organizations, in the same building as its foundation on 4th July 1910. An extraordinary General Assembly (July 4, 2010) was organized during the ISPRS Centenary Celebrations.

2. Membership management

Since Beijing Congress, a numbers of new members have been gained, including 4 new ordinary members, 1 associate member, 2 regional members and 11 sustaining members.

2.1 New members admitted

1) Ordinary members

The following Ordinary Members have been admitted since the Beijing Congress:

Table 4. Ordinary Members admitted since the Beijing Congress

ID	Member Name	Country	Category	Membership Date
10109	Instituto Geográfico Português	Portugal	2	13.07.2009
10110	Center of Remote Sensing and GIS Technologies	Uzbekistan	2	31.03.2010
10111	South African Society for Photogrammetry and Remote Sensing	South Africa	3	08.02.2011
10112	Chamber of authorized Architects and Engineers	Former Yugoslav Republic of Macedonia	2	02.02.2012

There are currently 90 Ordinary Members.

2) Associate members

The following Associate Members have been admitted since the Beijing Congress:

Table 5. Associate Member admitted since the Beijing Congress

ID	Member Name	Country	Category	Membership Date
20016	Directorate of Hydrography and Navigation	Peru	1	02.02.2012

There are currently 11 Associate Members.

The following Regional Members has been admitted since the Beijing Congress:

3) Regional members

Table 6. Regional Members admitted since the Beijing Congress

ID	Member Name	Membership Date
30015	African Regional Centre for Space Science and Technology Education – English	14.03.2010
30016	EIS Africa	29.10.2010

There are currently 14 Regional Members.

The following Sustaining Members have been admitted since the Beijing Congress:

4) Sustaining members

Table 7. Sustaining Members admitted since the Beijing Congress

ID	Member Name	Country	Category	Membership Date
40111	Ramani Geosystems	Kenya	D	12.09.2008
40112	Photarc Surveys Ltd	United Kingdom	D	14.03.2010
40113	Beijing GEOWAY Software Co., Ltd.	China	B	14.03.2010
40114	Vietnam Association of Geodesy, Cartography and Remote Sensing	Vietnam	B	01.06.2010
40115	GATEWING NV	Belgium	D	04.11.2010
40116	IGI mbH	Germany	D	31.03.2011
40117	LizardTech	USA	D	01.01.2012
40118	Silver Data Spatial-GIS Co. Ltd., Xiamen	China	B	01.01.2012
40119	Shaanxi Tirain Science & Technology Company Limited	China	C	01.01.2012
40120	GeoCue Corporation	USA	D	11.02.2012
4011	Center for Spatial Information Systems (CSISR), University of Haifa	Israel	E	14.02.2012

There are currently 79 Sustaining Members.

2.2 Database maintenance

The Headquarters staff updates the ISPRS database continuously with a closed collaboration with ISPRS Treasurer. The major updates including 43 Ordinary members, 6 Associate members, 8 Regional members and 52 Sustaining members. The up-to-date information has been sent to ISPRS council members for management purpose and to Webmaster for website updating. For instance, it is used by the Treasurer to generate invoices and trace the accounts of Members.

3. Publications

3.1 ISPRS eBulletin (Highlights)

ISPRS Highlights was official bulletin of the Society. Three issues of ISPRS Highlights were published in each of 2009 and 2010. Since the beginning of 2011, it was replaced by ISPRS eBulletin with 6-8 issues per year. SG is responsible for the collection of materials

and webmaster Markus is responsible for putting the eBulletin on the website. 7 Issues were publicized in 2011, and 3 issues have been published this year. The e-Bulletin is sent to 4000 individuals via webmaster, moreover, many societies such as ASPRS or Swiss Society distributed the bulletin to their members. However the actual number now can be estimated at over 10.000 as many distribute this new version of so called "ISPRS eBulletin" to their members internally.

3.2 ISPRS Web pages

Markus English, at the Institute of Photogrammetry of the University of Stuttgart has been the ISPRS webmaster for the past 4 years and has efficiently and enthusiastically managed the ISPRS website. After the Beijing Congress the "yellow pages" were replaced by a new layout with a permanent available menu structure. He has submitted a separate report to the General Assembly.

3.3 ISPRS Journals

1) ISPRS Journal of Photogrammetry and Remote Sensing

The ISPRS Journal is the premier publication in this area and has continued to maintain high standards during the four year period under the editorship of George Vosselman and the associate editors Daniel L. Civco, Eberhard Gülich, Olaf Hellwich, Lalit Kumar, Dar Roberts, Konrad Schindler and Qihao Weng. The ISPRS Journal experienced a rapid growth since 2010. A full report by the editor George Vosselman will be presented to the General Assembly.

2) ISPRS International Journal of Geo-Information

In 2010, a newly open access journal "ISPRS International Journal of Geo-Information" was founded. In December 2010, Wolfgang Kainz became the Editor-in-Chief of the ISPRS International Journal

of Geo-Information invited by ISPRS President, Orhan ALTAN. The contract between ISPRS and MDPI was signed on 8 August 2011; an editorial was published on 8 September 2011. This was the official date that the journal was visible on the web. The first full paper appeared in February 2012; the first issue was officially published in June 2012. A full report by the editor Wolfgang Kainz will be presented to the General Assembly.

3.4. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences

46 volumes of ISPRS archives (including TC Symposia) have been publicized since the Beijing Congress. Details can be found in Table 8. A number of workshop proceedings have been published that are not part of the Archives; some proceedings have only been produced on digital media.

Table 8. Archive B Volumes approved for publication

Vol. No.	Title	Comm/WG
XXXVIII-4/C1	GEOBIA 2008 - Pixels, Objects, Intelligence GEOgraphic Object Based Image Analysis for the 21st Century	IV/4
XXXVIII-5/W1	3D-ARCH 09: 3D Virtual Reconstruction and Visualization of Complex Architectures	V/4
XXXVIII-6/C2	4th SC and WG VI/5 Summer School	VI/5
XXXVIII-7/W2	International Conference on Land Surface Radiation & Energy Budgets: Observations, Modeling & Analysis	VII/1
XXXVIII-3-4/C3	GeoWeb 2009 Academic Track - Cityscapes	III/4, IV/8-5
XXXVIII-8/W3	ISPRS Ahmedabad 2009 Workshop 'Impact of Climate Change on Agriculture	VIII/6
XXXVIII-7/C4	International Conference on Geo-spatial Solutions for Emergency Management and the 50th Anniversary of the Chinese Academy of Surveying and Mapping	IV/VIII, II/1, IV/8-4, VIII/1
XXXVIII-3/W4	CMRT09	III/4+5
XXXVIII-8/C5	Latin American Remote Sensing Week (LARS)	
XXXVIII-1-4-7/W5	ISPRS Hannover Workshop 2009: High-Resolution Earth Imaging for Geospatial Information	I/2-4, IV/2-3, VII/2
XXXVIII-2/C6	Spatial Data Quality: from Process to Decisions	II/4
XXXVIII-1/W6	Third International Workshop "The Future of Remote Sensing"	I/V
XXXVIII-4/C7	GEOBIA 2010 Geographic Object-Based Image Analysis	IV/4
XXXVIII-6/W7	E-Learning Tools, Techniques and Applications	VI/1-2
XXXVIII-3/W8	Laserscanning09	III/2, I/2, V/3, VII/7
XXXVIII-4-8-2/W9	Core Spatial Databases - Updating, Maintenance and Services – from Theory to Practice	IV/VIII, II/4, IV/1-2-8, VIII/1
XXXVIII-4/W10	Virtual Changing Globe for Visualisation and Analysis	IV/4, VII/5
XXXVIII-2/W11	Workshop on Quality, Scale & Analysis Aspects of City Models	II/2-3-4
XXXVIII part 1	ISPRS Commission I Mid-Term Symposium 'Image Data Acquisition - Sensors & Platforms'	Comm I Symposium

XXXVIII part 2	ISPRS Commission II Mid-Term Symposium 'Theory, Data Handling and Modelling in GeoSpatial Information Science'	Comm II Symposium
XXXVIII part 3A+B	ISPRS Commission III Mid-Term Symposium 'Photogrammetric Computer Vision and Image Analysis'	Comm III Symposium
XXXVIII part 4	ISPRS Commission IV Mid-Term Symposium 'Geodatabases & Digital Mapping'	Comm IV Symposium
XXXVIII part 5	ISPRS Commission V Mid-Term Symposium 'Close Range Image Measurement Techniques'	Comm V Symposium
XXXVIII part 6	ISPRS Mid-Term Symposium Commission VI 'Cross-Border Education for Global Geo-information'	Comm VI Symposium
XXXVIII part 7A+B	ISPRS Commission VII Mid-Term Symposium '100 Years ISPRS - Advancing Remote Sensing Science'	Comm VII Symposium
XXXVIII part 8	ISPRS Commission VIII Mid-Term Symposium 'Networking the World with Remote Sensing'	Comm VIII Symposium
XXXVIII-5/W12	ISPRS Workshop Laser Scanning 2011	V/3-1, I/3-2, III/2-4, VII/7,
XXXVIII-4/W13	WebMGS 2010 - 1st International Workshop on Pervasive Web Mapping, Geoprocessing and Services	IV/5-4, IV/1, IV/II
XXXVIII-4-8/W14	Joint International Workshop of ISPRS WG IV/1, WG VIII/1 and WG IV/3 on 'Geospatial Data Cyber Infrastructure and Real-time Services with special emphasis on Disaster Management'	IV/1-3, VIII/1
XXXVIII-4/W15	5th International Conference on 3D GeoInformation	IV/8
XXXVIII-5/W16	4th ISPRS International Workshop 3D-ARCH 2011: "3D Virtual Reconstruction and Visualization of Complex Architectures"	V/4
XXXVIII-1/W17	ISPRS Istanbul Workshop 2010 "Modeling of optical airborne and space borne sensors"	I/4
XXXVIII-5/C18	XXIIIth International CIPA-HD Symposium	
XXXVIII-4/W18	International Workshop on Multinational Geomatics Capacity Building - Achievements and Challenges	IV/4
XXXVIII-5/C19	Selection of papers from the Athens Symposium (2007) and Kyoto Symposium (2009)	
XXXVIII-4/W19	ISPRS Hannover Workshop 2011: High-Resolution Earth Imaging for Geospatial Information	I/4, III/4, IV/2, VII/2
XXXVIII-8/W20	ISPRS Bhopal 2011 Workshop Earth Observation for Terrestrial Ecosystem	VIII/6-8
XXXVIII-4/C21	28th Urban Data Management Symposium	IV/8
XXXVIII-1/C22	International Conference on Unmanned Aerial Vehicle in Geomatics (UAV-g)	I/V
XXXVIII-3/W22	PIA11:Photogrammetric Image Analysis	I/2, III/1-4, III/5
XXXVIII-8/C23	Advances in Geospatial Technologies for Health	VIII/2
XXXVIII-2/W24	ISPRS working group workshop on Dynamic and Multi-dimensional GIS (DMGIS' 2011)	II/IV, II/5-1, VII/5, III/2, IV/VIII
XXXVIII-4/W25	Geospatial Data Infrastructure: from data acquisition and updating to smarter services	IV/1-2-4-5-7, IV/VIII
XXXVIII-4/C26	5th International Conference on 3D GeoInformation (3D Geoinfo 2012)	IV/8
XXXVIII-6/W27	ISPRS Workshop Commissions VI/1 - VI/2 E-Learning 2011 within ACRS	VI/1- 2
XXXVIII-7/W28	ISPRS Workshop on Remote Sensing and GIS Methods for Change Detection and Spatio-temporal Modelling	VII/5

On the July 2011, ISPRS council decided to introduce a conference management service provided by Copernicus Gesellschaft mbH. ISPRS signed the service contract with Copernicus and it will last until end of 2014. The major purpose of the conference management service is to assist ISPRS event organizers to facilitate the management of their event. With the professional conference organizational support, scientists from academia or governmental organizations will be able to be focused on their academic work or scientific programs. Copernicus provides abstract, paper and program management (service package A) as well as the registration management (service package B). ISPRS WGs are definite to use the Copernicus services, moreover, it's MANDATORY to use Service package A if publishing a proceedings in ISPRS Archives. ISPRS WG IV/8 has experienced this service for 5th International Conference on 3D GeoInformation (3D Geoinfo 2012).

In addition, Volume XXXVII Part A, the Proceedings and Results of the Beijing Congress, has been published and sent to members and Council.

3.5 ISPRS Book Series

A report from the editor Paul Aplin will be presented to the General Assembly. Zhilin Li from Hong Kong Polytech University will be the new Book Series Editor after the XXII Congress.

3.6 ISPRS page on GIM Magazine

ISPRS continuously publicizes its latest and important information on one page in the GIM Magazine. 47 "ISPRS Pages" have been prepared by Council members, TCPs or other ISPRS officers about our activities and meetings.

4、Communications

4.1 Information dissemination

The headquarters has distributed all ISPRS related information to its members, sponsored events via email or postage.

1) ISPRS Brochures: 10000 copies have been printed and 70% have been sent to different conference/workshops.

2) ISPRS Awards Brochure: 3000 copies have been printed and 90% have been sent to different conference/workshops before the deadline of awards submission.

3) Silver Book (ISPRS Organization and Program, 2008-2012): 200 copies have been printed and 80% have been sent to members, council and international organizations.

4) Banners: ISPRS banners have also been produced and brought to a number of ISPRS related events, such as ICSU Assembly, ISPRS TC symposia, etc.

4.2 Internal Communication

Since the beginning of this four years period (2008-2012), a template for website preparation was distributed to all Technical Commissions and WGs, for establishing and maintaining their websites with similar layout and information context. Per the request of Council, HQ staff performed a continual checking of the websites of TCs and WGs and reported to Council and TCPs for further improvement.

On one side, the headquarters transmitted the conference information from TCPs and WG officers to ISPRS long email lists. On the other side, we responded the queries from WGs, members and distributed the announcements/advertisements to the entirety.

4.3 External Communication

HQ and SG had represented ISPRS in its dealings with international institutions or organizations (such as ICSU, GEO...) to ensure the contact details to be up to date and that ISPRS details are correct.

4.4 Representing ISPRS to different Conferences

Members of Council also met at international meetings, particularly the ISPRS Symposia, and held ad hoc meetings. Apart from the Council Meetings and Joint Meetings, the Secretary General has attended about 27 international conferences to represent ISPRS as shown in Table 5.

Table 9. ISPRS events attended by SG

No.	Dates	Venue	Event	Tasks
1	28-29 December 2008	Wuhan, China	International Conference on Erath Observation	Gave a welcome speech at the opening
2	7 January 2009	Hainan, China	PCGIAP workshop on SDI	Gave a tutorial
3	25-29 May 2009	Chengdu, China	Second International Conference on Earth Observation for Global Changes (EOGC2009)	

4	20-21 August 2010	Chengdu, China	International Workshop on Surveying and Mapping of the High-speed Railway	Gave a presentation
5	15 -18 June 2010	Calgary, Canada	TC I Symposium	
6	26- 28 May 2010	Hong Kong, China	TC II Symposium	
7	1-3 September 2010	Saint Mandé, France	TC III Symposium	
8	15-19 November 2010	Florida, USA	TC IV Symposium	
9	21-24 June 2010	Newcastle, UK	TC V Symposium	
10	2-4 June 2010	Enschede, The Netherlands	TC VI Symposium	
11	5- 7 July 2010	Vienna, Austria	TC VII Symposium	
12	9 -12 August 2010	Kyoto, Japan	TC VII Symposium	
13	3-5 November 2010	Beijing, China	GEO-VII Plenary Session	
14	10-12 January 2011	Xiamen, China	ISPRS WG I/3 Workshop on Multi-platform/Multi-sensor Remote Sensing & Mapping (co-sponsored with IEEE GRSS)	Gave a keynote presentation on Global Land Cover Mapping
15	11-14 April 2011	Sydney Australia	34 ISRSE	Gave a welcome speech at the opening
16	26 June 2011	Wuhan, China	ISPRS workshop on 3D city modeling and application	Gave a welcome speech at the opening
17	27-30 September 2011	Roma, Italy	ICSU General Assembly	Attended Geo-union meetings and ICSU assembly
18	3-6 October 2011	Taipei, China	32nd ACRS	-Gave a welcome speech in the opening session -Attended ACRS board meetings
19	17-18 October 2011	Shanghai, China	ISPRS workshop on Dynamic and multi-dimensional GIS	-Gave a welcome speech in the opening session -Gave a keynote talk on Global Land Cover mapping and Service
20	20-21 October 2011	Guilin, China	ISPRS Workshop on SDI	-Gave a welcome speech in the opening session - Gave a plenary presentation on 1:50K updating
21	19 November 2011	Wuxi, China	PCGIAP seminar	Gave a presentation on GI for disaster management
22	22 November 2011	Beijing, China	UN Spinder conference	Collaborative GI service for disaster management
23	16-17 January 2012	Beijing, China	Global Land Cover Mapping Workshop	Gave a presentation Global open water mapping at fine resolutions
24	15 March 2012	Beijing, China	Joint IGU and ISPRS Seminar on Geo-frontier Understanding	
25	28-29 April 2012	Istanbul, Turkey	GeoUnions meeting	
26	30 April - 4 May 2012	Geneva, Switzerland	GEO Work Plan Symposium 2012 and the Implementation Boards meetings	- Gave a 30 minutes presentation on the SB-02 (Global Land Cover) task - attend the discussions of both the cross-tasks issues and the Implementation boards
27	21-24 May 2012	Mykonos, Greece	32 nd EARSeL Symposium	- Gave an opening keynote on Global land cover mapping at fine resolution

5. Acknowledgements

The operation and management of the ISPRS Headquarters during the past four years has been supported by the ISPRS society (both officers and members), and the hosting organization (National Administration of Surveying, mapping and Geoinformation -NASG and its sub-institution National Geomatics Center of China -NGCC).

On one hand, ISPRS Council colleagues had given the Headquarters staff and me very strong and prompt support to the business meetings and events coordination, membership management, publications and communications affairs. We have been feeling a very good work team led by our president Orhan Altan many times. I would like to thank the generous help First-Vice President Ian Dowman and former President John Trinder for the text editing of working documents and the drafting of meeting minutes. My thanks are also to TCPs, WG chairs, ISAC and IPAC chairs, webmaster, and everybody within ISPRS who has efficiently interacted with the headquarters and helped us.

On the other hand, NASG and NGCC provided the Headquarters with excellent facilities, experienced personnel and financial support. NASG provided a special office of 80 m² for the Headquarters and 400,000 CNY per year to support the operation of Headquarters (such as communication, postage, printing, as well as the travel costs of the Secretary General. Through Chinese Society of Geodesy, Photogrammetry and Cartography (CSGPC), China Association for Science and Technology (CAST) has also provided partial travel support. I would like to thank firstly Dr Wang Qian, representing both NASG and CSGPS, and his colleague Mr Fan Jingsheng for their great support and long time friendship. Secondly, my special thanks go to Mrs Hu Junhong and Ms Chen Chen who have worked with enthusiasm for four years for the Headquarters daily affairs.

There are also many other friends, colleagues and ordinary, associate as well as sustaining members who collaborated with me and the Headquarters staff. I have learned many things from them and would like to thank all of them.

Chen Jun, Secretary General

REPORT of ISPRS TREASURER MIKE RENSLOW to the GENERAL ASSEMBLY for the TERM 2008–2012

Opening Comments

Honored delegates, Honorary Members, Members of past and current Council, and all others present in this General Assembly, it is my pleasure to present a financial summary of the past four years. The 2008 to 2012 Congress Period has been one of remarkable challenge due to the world economic problems with

sustained progress for ISPRS goals. Highlights of the major events might best be appreciated by comparing gross financial data from recent Congress Periods.

Financial Trends 1988-2012 (see Table 1)

Table 1: ISPRS Financial Status 1992-2012
Source: Archives A Treasurer Reports to the General Assembly

Item	Approximate Values ¹ (Swiss Francs)					
	1988-92	1993-96	1997-2000	2001-04 ²	2005-08	2009-12
Total Cash Income	253,690	395,049	499,385 ³	629,570	735,511	≈829,453
Investments⁴	244,499	273,839 ⁵	389,630 ⁶	619,908	629,954	≈542,763
Total Expenses	185,891	299,194 ⁷	429,548	441,502	601,833	≈814,664
In-kind Support⁸	NA	≈95,000	≈100,000	NA	≈115,000	≈120,000
Approx. Cost of Doing Business⁹	>195,891	394,194	529,548	>441,502	716,833	≈934,664

¹All values are approximate because there is no consistent format for the treasurer's report for the six Council Periods shown.

²In 2004 the fiscal year was changed *from* April 1-March 31 *to* January 1-December 31. Values for 2004 are thru December 31 so do not match the values presented in Istanbul. Values for 2004-12 are thru July 31.

³In 2000, unpaid fees were considered to be deferred income. For consistency, these fees have been subtracted here from total income. The assets reported were CHF 580,710.

⁴Values are given for the end of each Congress Period

⁵Based on a 12% increase in investments between 1992 and 1996. Base (presumed) = 244,499.

⁶The increase of 12% in Swiss Bond income reported

for the 1992-1996 period reportedly dropped 6% by 2000. Diversification into other investments helped to maintain value.

⁷No specific figure for expenses was given during this Council Period so the amount was derived by subtracting Net Cash Income (95,855) from Total Cash Income (395,049).

⁸In-kind support consists of complimentary contributions to reduce ISPRS costs for Council Meetings and Council administrative costs. Cash donations are recorded in UBS bank statements. Complimentary support is estimated.

⁹Total expenses plus estimated in-kind support.

Notable Trends

1. Costs for Council activities are rising and could not be sustained without high levels of in-kind support from Ordinary and Sustaining members.

2. Incremental development in e-Commerce, the information age, and banking practices have not only increased the Treasurer's responsibilities, but also the amount of time required to perform them. The Treasurer's role has migrated away from that of bank teller receiving and making payments toward that of being a financial manager having legal and fiduciary responsibilities to the Society, as well as being answerable to the Society's Financial Committee, tax accountant, the State of Maryland and Internal Revenue Service of the United States. The evolution of this transition is traced below:

(a) Since 1996, there have been a growing number of UBS accounts to manage and an explosive growth in the number of accounting transactions (400 in 1988-1992 period compared to several thousand in the 2008-2012 period);

(b) Since 2000, there has been an increasing amount of time devoted to mail, email, telecommunications, and electronic meetings (Skype, WebEx, Messenger);

(c) Since 2004, there has been an increasing amount of time devoted to

(i) communicating with members and Society contractors regarding methods of payment and banking instructions, and

(ii) preparing and sending letters to members and/or their embassies to settle arrears;

(d) Since incorporation of the Society in 2004, there have been additional responsibilities for oversight and compliance;

(e) Since 2004, it has become necessary to learn rudiments of e-banking for wire transfers and enabling credit card payments; and,

(f) Since 2008, UBS has added new levels of security to their on-line banking clients.

2008-2012 Financial Operations

1. Accounting System:

The accounting system created by Ammatzia and Rachel Peled in the 2000-2004 period has been used with only minor changes. This system requires maintenance by both the Secretary General and the Treasurer; and it contains functions that require "work-around" solutions. For the convenience of future Treasurers, it has been documented, and some commercial-off-the-shelf (COTS) software (MS Office) is used for efficiency (i.e., MS Excel).

Since 2008 and the world's financial instability, International banking regulations have been increasingly restrictive. Accordingly, there have been many changes in UBS banking policies toward its international customers.

Other banking issues are:

- UBS prohibits members from sending checks for annual fees directly to the bank. They require payments by check to be passed through the ISPRS Treasurer and forwarded to UBS along with an official bank deposit form.
- The bank encourages electronic transfers. For EU countries, UBS charges a fee for each transaction (only 'within Switzerland' transfers are free). Also, members outside the EU who use electronic services often involve 3rd party banks in Europe or the USA that extract fees for their services. Moreover these transactions can take weeks to clear before a deposit is made into the appropriate UBS account. These measures, while typically safer than payments by mail, all add complexity and time to transactions, and require more email traffic between Treasurer and member to monitor the transaction.
- In 2010, the Treasurer (being from the U.S.) was designated the 'financial agent' for ISPRS. This designation is not required for Treasurers residing in the EU countries or the UK.

2. Incorporation:

The Society's incorporation in the state of Maryland, USA as a not-for-profit (that is, tax exempt) organization works well. It adds additional responsibility to the ISPRS Treasurer, and requires professional assistance in the USA to complete and submit annual financial and property forms, most notably the IRS-990 and the State of Maryland Personal Property forms. As with changes in banking regulations, there are changes in these forms each year that, if not submitted, can result in ISPRS being "out-of-compliance" and losing its tax-exempt status. I recommend that attention to this matter, and to other recommendations in this report, be given systematic attention.

3. Electronic Banking for Society expenses:

In 2005, ISPRS began direct electronic transfers to pay for many ISPRS expenses. This has proven to be a convenient and safe method for paying Society's bills. For IRS compliance purposes, it also requires documentation from most vendors before funds can be disbursed. Typical vendors include recipients of scientific initiatives, the Journal editors and Associate editors, service providers (accountant, outreach), and ISPRS memberships in organizations like ICSU. All of this has increased Treasurer's paperwork and time commitment, especially on the matter of vendor receipts.

4. Credit card payments for Society members:

In 2008, Council authorized credit card payments for annual member subscriptions. At present, only payments in USD are permitted because the Society has no official address in Switzerland. Such an address would permit payments in USD, Euros, or CHF. Members can access the credit card payment option via the ISPRS website and clicking on the PayPal payment option. The site will prompt members for their ISPRS ID number, their membership type, and their membership category. When correctly entered, a payment page will appear requiring credit card information and the amount to be paid. For the initial stage of operation, the Treasurer will send an email invoice to each member that has an email address in the Secretary General's database.

This invoice will contain the member ID and correct amount of the payment (including arrears), which can then be used to execute the payment. No partial payments are currently accepted. Also, a nominal fixed-percentage for each transaction charge will be added automatically by the PayPal.

The credit card payment system holds the potential for expediting several time consuming functions performed by the Secretary General and Treasurer. Use of PayPal has grown slowly, but in 2011/12 the activity has increased as it is useful for foreign currencies. Operationally, the Treasurer periodically transfers funds from PayPal into the ISPRS Treasurer's checking account, and then deposits a check to UBS.

5. Members not covering their banking costs:

One of the on-going difficulties faced by the Society is that subscriptions executed by Check, Bank Draft, and electronic transfers involving 3rd party banks, often contain additional banking fees not known by the member. The member's full payment is not realized as income to the Society and bank fees continue to grow as an annual expense. Payments by credit card reduce this loss and streamline the entire member subscription process. A small sum (<200CHF) is added to bank fees yearly.

6. Treasurer's Checking Account:

The Treasurer maintains a personal checking specifically for ISPRS financial transactions and uses a credit card and debit card for unexpected expenses. When a new treasurer is installed every 4 years, the old account is closed and new Treasurer opens a new one.

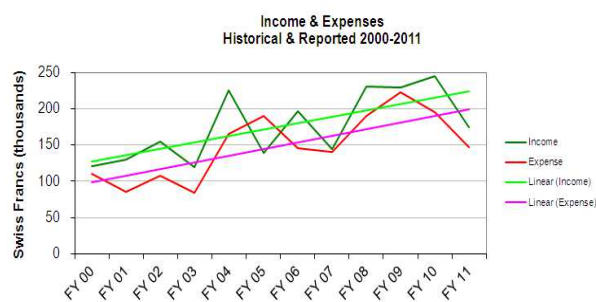
7. Financial Policy: In 2009 Council approved a formal Financial Policy for managing ISPRS financials, assets, and business practices.

Since 2008 the Treasurer with some assistance has kept 'double accounting records' for income/expenditures, bank statements by currency, and cash flow. In lieu of an audit, the Financial Commission reviews the Treasurer's Annual Report and supporting spreadsheets.

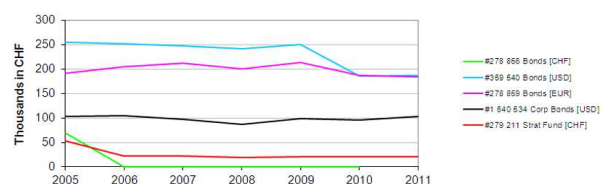
Appendix A sets the policy for travel and expense claim procedures.

Appendix B sets the decision process for expenditures related to meeting attendance and establishing a yearly budget.

8. Financial Summary by Year (CHF)



Value of Investment Assets by Fund 2005 - 2011



Membership Fees Collected

Balance 31.12.2011

Member Type	OM	SM	RM	AM	Total
Year	CHF	CHF	CHF	CHF	CHF
1997	61,111	44,729	800	1,400	108,040
1998	52,763	31,863	200	1,300	86,126
1999	82,082	34,500	300	1,700	118,582
2000	65,918	28,294	1,577	1,200	96,989
2001	59,246	43,985	1,555	2,532	107,318
2002	55,659	40,426	364	3,200	99,649
2003	71,373	33,161	486	949	105,969
2004	75,513	42,662	1,944	6,238	126,357
2005	63,195	51,936	1,283	1,817	118,231
2006	74,070	58,945	1,462	3,207	137,684
2007	58,275	47,729	858	2,482	109,344
2008	71,510.47	62,473.48	1,110.35	2,382.16	137,476.45
2009	64,741.22	50,068.66	1,103.24	1,333.68	117,246.74
2010	81,386.07	48,679.12	1,554.58	2,683.09	134,302.85
2011	60,173.92	46,520.47	419.18	599.00	107,712.58

Note: Exchange rates between USD/CHF and Euro/CHF were calculated for each year (1997 through 2003) per the exchange rate at the end of each fiscal year (31 Dec.). Exchange rates between these

currencies starting in 2004 were calculated throughout the year on the day of each transaction using a daily average rate provided online by x-rates.com (http://www.x-rates.com).

**BALANCE SHEET FY 2011 (Net Worth)
(01.01.2011 to 31.12.2011)**

Exchange rates for USD to CHF, and EUR to CHF vary during the year.

ITEM	31.12.2011 (Euro, USD, CHF)	31.12.2011 (CHF)
ASSETS		
CASH		
Euro #.7EM	Euro 2,371.16	2,882.38
USD #.60C	USD 19,020.36	17,869.34
CHF #.01E	CHF 9,132.90	9,132.90
Total Cash		29,884.62
INVESTMENTS		
		In CHF
# 359540 Bonds [USD]		187,447.99
# 278859 Bonds [EUR]		184,095.29
# 1640534 Corp Bonds [USD]		102,924.43
# 279211 Strat Fund [CHF]		20,795.09
Total Investments		495,262.80
Congress Advance		47,600
TOTAL ASSETS		572,747.43

Mike Renslow, Treasurer

**REPORT of ISPRS FINANCIAL COMMISSION CHAIR LENA HALOUNOVÁ
to the GENERAL ASSEMBLY for the TERM 2008–2012**

1. Membership of the Financial Commission

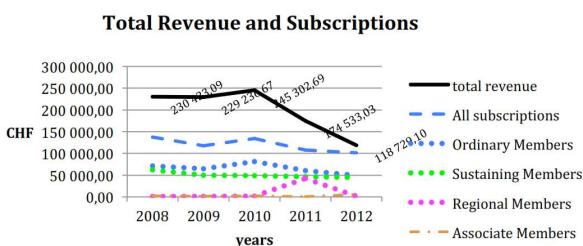
The Financial Commission closely cooperated with the ISPRS Treasurer from the very beginning of their functional years. The first task was to make small changes in financial rules of the Society. A document called ISPRS Financial Policy was prepared by the Treasurer together with the Financial Commission. This document comprised also two attachments:

- 1. Attachment A.** ISPRS Reimbursement Policy for Council and Approved Volunteer Travel
- 2. Attachment B.** Policy and Procedures for Relations with other Organizations

The last financial period since 2008 was - from the world economical point of view - more difficult than previous years.

1. Revenue and subscriptions

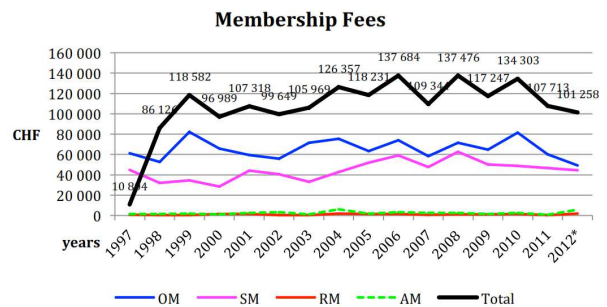
The following graph shows development of the ISPRS revenue and income from subscriptions. It is necessary to realize that the 2012 values cover only six months. The subscription payment is not the same in individual years and should improve. Lower subscriptions in 2011 were one reason of the total revenue decrease. The 2010 revenue was inflated by the sale of shares in the custody account to support the 2012 Congress.



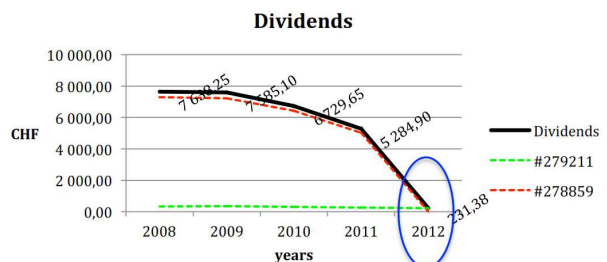
The development of dividends reflects the world financial situation. The dividends were re-invested to their bond funds, which they were earned from. Low value in 2012 is a value valid for half a year only.

1.1. Membership fees

Number of ISPRS members were 186 in 2008; 187 in 2009; 194 in 2010 and 193 in 2011 and 2012. There are members who do not pay for more years – even 5. Collected fees in 2012 are expected to be substantially higher thanks to their payments during the Congress in Melbourne.

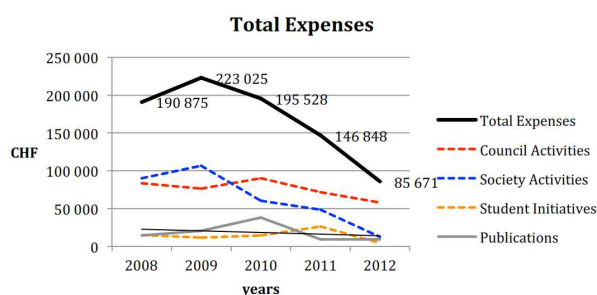


1.2. Dividends

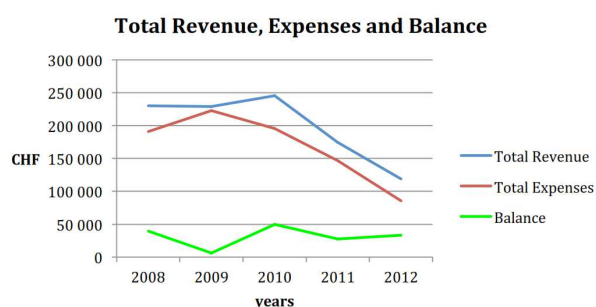


2. Expenses

As far as expenses, their development is documented on the following graph. Council and Society activities, student initiatives and publications are the main parts of the ISPRS expenses. Total expenses decline from 2009 together with the Society activities. Council activities increased between 2009 and 2010 and have been decreasing since 2010. This decreasing can be attributed to lower travel expenses of the Council and the Society publication policy. The reason is the Highlight's publishing in e-version only.

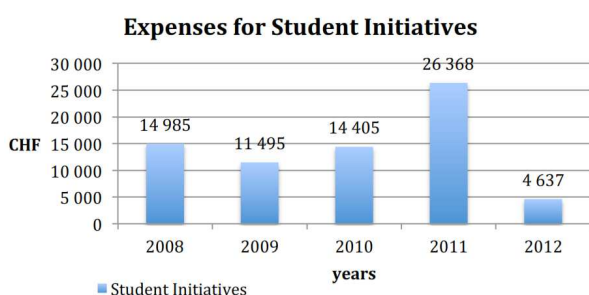


	2008	2009	2010	2011	2012
Total Revenue	230 423	229 237	245 303	174 533	118 729
Total Expenses	190 875	223 025	195 528	146 848	85 671
Balance	39 548	6 212	49 775	27 685	33 058



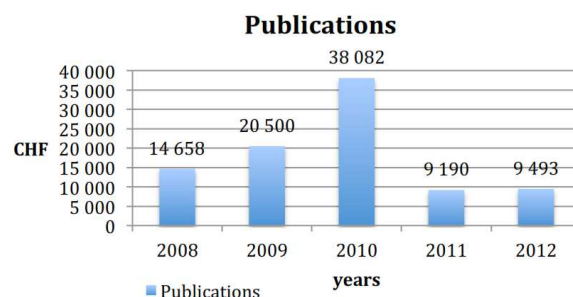
2.1. Students Initiatives

Lowering expenses do not occur at Student Initiatives. It is an ISPRS' important activity in support of summer schools being organized every year. ISPRS supports in an important way also the Students Consortium.



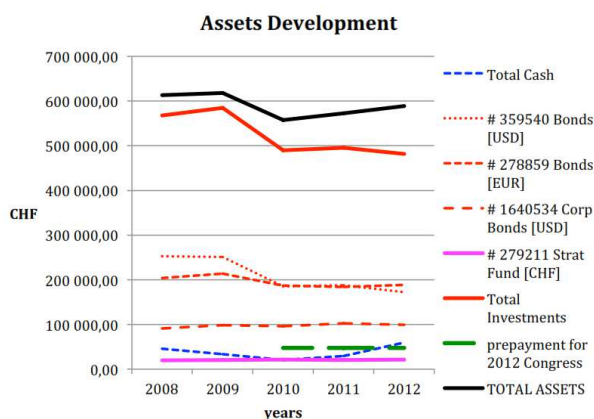
2.2. Publications

High value of 2010 was caused by the GIS Booklet (16 589 CHF). Extreme change occurred in 2011 when only expenses for editing had to be covered. The Highlights are only in e-version. This policy is advantageous since it brings thus an important savings.



3. Assets

The final assets development shows the permanent growth. The decrease in 2010 is due to the pre-payment for the 2012 Congress organization.



4. Conclusion

Financial development shows a stable financial position of the Society with increasing asset. The decrease between 2009 and 2010 was used as the pre-payment for the 2012 congress.

Incomes and expenses do not have linear developments. Differences among individual years are relatively high, however, all financial years ended in positive values. The nonhomogeneous development is an impact of different activities in individual years.

I would like to appreciate - in the name of the Financial Commission - all work, big effort and a lot of patience, which were invested by the Treasurer and his cooperator Mrs Amy Budge during the whole period. It was a pleasure to work with them.

REPORT on INTER-ORGANIZATIONAL RELATIONS PRESENTED by SECRETARY GENERAL CHEN JUN

1. Introduction

As the foremost scientific society in the field of photogrammetry, remote sensing and spatial information sciences, ISPRS aims at developing international cooperation with other organisations. This has been done through representing the photogrammetry, remote sensing and spatial

information science communities to a number of intergovernmental organisations and to other international societies, co-organizing joint events and projects. The table below gives a summary of ISPRS relationships with international organisations, divided into intergovernmental bodies, international umbrella organisation and other international societies.

	Organisation	ISPRS Status	Activities in 2008-2012	Representatives
United Nations	UN Economic and Social Council (ECOSOC)	Accredited NGO	None	
	UN ECA Committee on Development Information (CODIST)	Accredited NGO	Attended CODIST meetings	Ian Dowman
	UN Statistics Division	Accredited NGO		Ian Dowman
	COPUOS UN office of Outer Space Affairs (OOSA)	Observer	Attended meetings Two joint projects: Booklet, VALID	Orhan Altan Rainer Sandau
	FAO	MoU signed 2007		Orhan Altan
	GGIM	Partner	Attended meetings Questionnaire of mapping in the world	Ian Dowman Ammatzia Peled Chen Jun
International umbrella organisations	International Council of Science (ICSU)	Member	Attended meetings Orhan Altan elected as EB member	Orhan Altan Chen Jun Ian Dowman
	Group on Earth Observation (GEO)	Participating Organisation	Attended Meetings Global land cover mapping	Chen Jun Orhan Altan Ian Dowman
	Committee on Earth Observation Satellites (CEOS)	Associate	Collaboration through GEO	Orhan Altan Ian Dowman
	International Standards Organisation (ISO)	Liaison member		Wolfgang Kresse
	Open GIS Consortium (OGC)	MoU signed		Ian Dowman Ammatzia Peled
	COSPAR	Became a	Attended	Ian Dowman

		member in 2004	meetings	Rainer Sandau
Other international societies	Joint Board of Geospatial Information Societies	Member		Orhan Altan Chen Jun Ian Dowman
	<u>GeoUnions</u>	Member		Orhan Altan Ian Dowman
	International Society for Optical Engineering (SPIE)	MoU signed		Comm V
	IEEE-GRSS	MoU signed	Joint workshops	Ian Dowman
	CRTEAN	Associate 2003	Correspondence	
	ION	MoU signed		Ian Dowman

Some additional information on the major inter-organisational activities are described in the following paragraphs.

2. UN

1) Office of Outer Space Affairs (OOSA)

OOSA supported people from developing countries to attend ISPRS Centenary Celebration, ISPRS Commission VII Symposium and 2 workshops in Africa. ISPRS has good cooperation with Mazlan Othman Director of OOSA and there was a good response from the GIS for the United Nations and the International Community Conference in Geneva, Switzerland in April 2012.

A new joint project, VALID, was proposed by the JBGIS and UNOOSA, as the continuation of the Booklet on Geo-spatial Information for Disaster and Risk Management: Examples and Best Practices'. A round table discussion was organized by Orhan Altan in the evening of 5 May 2011, during the Gi4DM 2011.

ISPRS has jointly organized with UNOOSA workshops on EO Benefits for Society. Two workshops have been held, in Istanbul and Hanoi, and a third meeting will be held on Santiago, Chile from 12-16 November 2012. Orhan Altan and Ian Dowman will attend with Stanley Morain.

2) Committee on the Peaceful Uses of Outer Space (COPUOS)

COPUOS is organised by the Office of Outer Space Affairs (OOSA) from the UN Office in Vienna. ISPRS has a Memorandum of Understanding (MoU) with the Director of the Office of Outer Space Affairs on cooperation between the two organizations. Items in the MoU include: joint co-sponsorship annually of an event (workshop, seminar, tutorial. etc.); coordination of schedules, events, topics and/or specialist needs in pre-planning related activities; jointly seeking financial support and identification of relevant high-quality specialists and lecturers for United Nations led events that require photogrammetric, remote sensing and

Geographic Information Systems expertise; inclusion of joint events in the quadrennial ISPRS Congress, and in relevant quadrennial ISPRS Commission Symposia and Working Group activities; the provision by ISPRS of scientific and technological expertise through reviews, evaluations or recommendations on space matters related to remote sensing; and facilitation and initiation of opportunities for fellowships, grants and awards in remote sensing, photogrammetry and geospatial information sciences.

Orhan Altan introduced Rainer Sandau as the representative of ISPRS to the UNCOPOUS after Beijing Congress. Rainer Sandau has represented ISPRS in the Science and Technology sub-committee meetings in February, and Orhan Altan the COPOUS General Assembly in June each year.

3) Global Geographic Information Management (GGIM)

A resolution on Global Geographic Information Management (GGIM) was adopted by the 18th UN Regional Cartographic Conference for Asia and the Pacific. The first meeting was held in Seoul, Korea and was attended by Ian Dowman. The Second Preparatory Meeting on GGIM was held in New York in August 2012. Because of the proximity of this meeting to the Congress, ISPRS was not represented. ISPRS and GGIM have launched a joint project for the survey of current status of the mapping in the world. Gottfried Konecny is leading this project with the assistance from ISPRS WG IV/2(Automatic Geospatial Data Acquisition and Image-Based Databases) and ICWG IV/VIII (Updating and Maintenance of Core Spatial Databases) as well as ISPRS headquarters, a questionnaire has been sent to all nations through UN channels and ISPRS members. A final analysis of the survey results is still under preparation.

4) UN SPIDER

ISPRS initiated the publication of the Booklet on 'Best Practices for Disaster and Risk Management' together with UN SPIDER. It was publicized in July 2010 and it is now on the UN SPIDER and ISPRS web pages. It

has been downloaded and even purchased from the Libraries many times by high quality Universities worldwide. Hence it is listed in ISI. ISPRS together with JBGIS has commenced a new project VALID with UN SPIDER as follow-on from the first booklet.

3. International umbrella organisations

1) International Council for Science (ICSU)

ICSU is a non-governmental organization founded in 1931 to bring together natural scientists in international scientific endeavour. It comprises 113 multi-disciplinary National Scientific Members, Associates and Observers (scientific research councils or science academies) and 29 international, single-discipline Scientific Unions to provide a wide spectrum of scientific expertise, enabling members to address major international, interdisciplinary issues which none can handle alone. ISPRS became a full Union Member of ICSU in 2002 and attended the triennial plenary meetings in Mozambique in 2008 and Rome in 2011.

Orhan Altan was elected as a member of the Executive Board of the ICSU in Rome in September 2011. Orhan Altan and Ian Dowman attended the ICSU GA in Mozambique. Good responses have been received from Asian and Latin American regional offices.

ISPRS has been involved in the discussions on the formulation of a joint research proposal to ICSU on "Extreme Natural Hazards and Societal Implication (ENHANS)" with IUGG as the Leading Applicant. This application has been approved by ICSU and awarded 30,000 EUR. ISPRS recommended Piero Boccardo, Robert Backhaus and Sisi Zlatanova as the co-investigators of this project. So far ISPRS has participated in 2 ICSU projects on remote sensing applications.

2) Group on Earth Observation (GEO)

The group on earth Observation (GEO) has now been operating for seven years and ISPRS has been active through its committees and task teams and also through organising workshops on the Global Earth Observing System of Systems (GEOSS). ISPRS has collaborated with IEEE and OGC under the umbrella of GEO to organise a series of workshops to provide a forum for discussing the architecture and user applications of the GEOSS, these include on line demonstrations by OGC on the web services which will be part of GEOSS and feedback sessions for user comment.

Stanley Morain continues to serve the User Interface Committee of GEO, Ian Dowman attended GEOVI plenary held in Washington, DC from 17-18th November 2009. Chen Jun attended the GEOVII plenary and ministerial summit in Beijing at the beginning of November 2010. Chen Jun is now co-chairing the project on global land cover (GEO Task SB-2) in which ISPRS is a contributor. ISPRS will follow this issue by setting up an inter-commission working group on global land cover mapping and

services. Orhan Altan and Ian Dowman attended plenary VIII in Istanbul.

3) Committee on Earth Observing Satellites (CEOS)

ISPRS is a CEOS Associate but in view of the establishment of GEO has decided to concentrate its resources on GEO and has attended only 1 plenary during the past 4 years.

4) International Organization for Standardization (ISO)

ISPRS is a liaison member of several ISO Technical Committees and has a commitment to supporting efforts to establish standards for data format and transfer. ISPRS also supports efforts for interoperability and data transfer through the Open GIS Consortium (OGC). In order to implement the tasks, an *ad hoc* Group on Standards has been set up under the chairmanship of Wolfgang Kresse. The role of the committee is to co-ordinate WG input to standards organisations such as ISO, OGC and to regional and national standards organisations and for a; to encourage Working Group liaison with standards organisations and to promote ISPRS to standards organisations. The committee will make a separate report to the GA.

5) OGC

ISPRS signed an MOU with OGC in 2010 and is interested in developing a closer collaboration between OGC. Crowd sourcing to improve geodata quality and disaster mapping are two topics of common interests for future cooperation. A meeting with Steven Ramage was organized on May 5, 2011. A special session with OGC is being held at the Congress and further discussions will take place on future collaboration.

An International Workshop on Multi-platform/Multi-sensor Remote Sensing & Mapping initiated by ISPRS WG was co-sponsored with IEEE GRSS and successfully organized on Jan. 2011 in Xiamen, China.

4. Other international societies

1) Joint Board of Geospatial Information Societies (JBGIS)

The Joint Board of Geospatial Information Societies (JBGIS) comprising FIG, ICA, IHO, AIG, ISPRS, IMTA, GSDI and ISCGM is the main vehicle for inter society collaboration.

The Risk and Disaster Management Committee had the role of co-ordinating the many initiatives in these areas and has recommended that each organisation within JBGIS organises sessions on disaster management topics during their main conferences. The societies should also provide experts to UN conferences and other UN activities and also nominate a contact person or working group for disaster management. The

GI4DM conference series is recognised as the main international event in this area.

ISPRS Council supported as lead organization the document: Ad hoc Committee on Risk and Disaster Management' for JBGIS. ISPRS has been very active in JBGIS with a strong presence, especially in the field of capacity building and disaster mapping.

Orhan Altan has completed his chairmanship of the ad-hoc committee for Risk and disaster management. Orhan Altan has presented the new project called "VALID" at JBGIS meeting.

3) International Cartographic Association (ICA)

ICA is developing a workshop in Africa with modules relevant to ICA and they are suggesting that ISPRS provide modules in its areas of expertise. Volunteers are being sought to develop the modules.

4) GSDI

ISPRS have finalized a MoU with GSDI, both Orhan Altan and Abbas Rajabifard signed the MoU. GSDI President wishes to develop procedures for real outputs from the collaboration between ISPRS and GSDI.

5) Other relationships

The collaboration with InterGeo was discussed with Olaf Freier, Managing Director of HINTE. The MoU with INTERGEO needs to be drafted for further collaboration. Cliff Ogleby worked on organization a "Sustaining Members Meeting" INTERGEO 2010 in Cologne and on Video Conference to be broadcast. ISPRS has participated and shared a booth with the GGS Company from Germany to all INTERGEO Exhibitions.

REPORT of the EDITOR-IN-CHIEF of the ISPRS JOURNAL GEORGE VOSSelman

Summary of major developments

While 2008-2009 was more or less business as usual, the ISPRS Journal of Photogrammetry and Remote Sensing experienced a rapid growth since 2010. The dramatically rising number of submissions (section 1.1) led to a strong increase in the number of publications (section 2.1), intermediate discussions with Elsevier to increase the page budget (section 6.2), a heavy work load for the editors, and an expansion of the editorial team (section 5). The number of papers downloaded from ScienceDirect as well as the number of citations to papers published in the ISPRS Journal doubled in the past four years, just as they already did in the 2004-2007 period. The U.V. Helava Award for the best paper of the years 2008-2011 has been awarded to Konrad Schindler, Andreas Ess, Bastian Leibe and Luc Van Gool for their paper "Automatic detection and tracking of pedestrians from a moving stereo rig by".

1. Handling of manuscripts

1.1 Manuscript submissions

After four years with 160-180 submissions per year, the number of submissions suddenly increased by 80% in 2010 and slightly further increased in 2011. The number of submissions in the first half year of 2012 shows another 10% increase compared to the same period in 2011.

Year	2008	2009	2010	2011
# submitted manuscripts	164	161	292	318

1.2 Acceptance rate

Currently, about 27% of the papers submitted to the ISPRS Journal is accepted for publication. The tendency over the last four years is a small decrease in the percentage of accepted papers. Papers that are very likely to receive unfavourable reviews are not sent to reviewers but rejected on the basis of the editor's arguments only. This holds for about 30% of the papers. All other papers are typically examined by two reviewers.

Year	2008	2009	2010	2011
# final decisions	180	155	208	303
# accepted papers	57	55	59	82
# rejected papers	123	100	149	221
Acceptance percentage	32%	35%	28%	27%

Plagiarism occurred (or was noticed) clearly less than in the previous period of four years. Occasionally, manuscripts were submitted that were previously published at a conference. Publication of such work is only allowed if the journal manuscript is significantly extended or otherwise enhanced compared to the conference publication.

1.3 Processing times per stage

On the average in the last four years it took about half a year to reach a final decision on the acceptance or rejection of a submitted manuscript. This is longer than

for many other journals. The speed of reviewing is therefore also often rated low in surveys Elsevier conducts among authors with recently accepted papers. The half year is an average value which also includes the handling of low quality papers that may have been rejected within a few days.

Year	2008	2009	2010	2011
Number of weeks needed	15.6	16.1	12.6	13.0
Until first decision	11.2	9.0	11.1	8.6
Paper revision by author	27.5	29.7	29.8	22.1

In the last two years the time until the first decision dropped with three weeks. Still, it often remains difficult to find reviewers. It is not uncommon that editors invite ten or more reviewers to find two peers willing to review.

Unfortunately, it also frequently happens that peers that accepted to review in the end do not complete their review. This then easily leads to another two months of delay in reviewing as the editor first sends reminders before deciding to invite additional reviewers.

2. Published articles

2.1 Modes of publishing

Modes of publishing have developed from issue based publishing over time based publishing to article based publishing. For many years contracts between the ISPRS and Elsevier specified a fixed number of pages to be published yearly.

This page budget was about equally divided over the six issues. When few accepted manuscripts were available for a next issue, the issue was delayed until a sufficient number of manuscripts were ready to make a full issue. When the number of accepted manuscripts exceeded the space available in a next issue, the more recently accepted manuscripts could not be included and were put in a queue of accepted manuscripts to be published in later issues. In both cases authors may have experienced delays in the publication of their accepted manuscripts.

As of January 2010 this issue based publishing was replaced by time based publishing. With time based publishing the publication dates of the issues are fixed in advance. All accepted manuscripts that are typeset at the time of compilation of the next issue are included in this next issue. The ISPRS Journal therefore no longer has a queue of accepted manuscripts waiting for publication in future issues. Publication dates will also be kept in case only few manuscripts are ready for publication. In this way, time based publishing ensures a shorter time between acceptance and publication of manuscripts. Because the number of accepted manuscripts varies over time issues may vary in size.

Since the autumn of 2011 the ISPRS Journal adopted article based publishing. The difference to time based

publishing is that an article is already assigned to an issue and a range of pages during typesetting. By decoupling the assignment of issue and page numbers from the issue compilation dates, the accepted articles already become fully citable as soon as they appear online. Users of ScienceDirect will then see these articles in issues “in progress”.

2.2 Number of publications

In the past four years the ISPRS Journal published more than what had been specified in the 2005-2008 and 2009-2012 contracts with Elsevier. According to the 2005-2008 510 pages per volume could be published. With the increasing number of papers this was insufficient. Elsevier accepted to publish more as compensation for the thin issues in the years before. In the 2009-2012 contract the number of pages per volume was increased to 600 while the page size was increased to A4. Despite this increase, the ISPRS Journal still built up a queue of accepted but not yet published papers in 2009. In preparation of the switch to time based publishing, nearly all papers in this queue were still printed in 2009, leading to 96 pages more than specified in the contract. The unexpected strong increase in submitted papers in 2010 (section 1.1) resulted in a large number of published papers in 2011. Luckily, the theme issue on “Advancements in LiDAR data processing and applications” could be published as a commercial supplement. Still, some 300 pages were printed on top of the regular page budget.

Volume	63	64	65	66
Year	2008	2009	2010	2011
# issues	6	6	6	7
# papers	46	68	54	93
# pages	681	696	610	1050

The average size of a journal paper is 10.8 pages in the new A4 format. This number is slightly increasing.

2.3 Theme issues

Eight theme and special issues have been published since 2008:

- Terrestrial laser scanning. Guest editors: Derek Lichti (Curtin University of Technology, Australia), Norbert Pfeifer (Vienna University of Technology, Austria), and Hans-Gerd Maas (Dresden University of Technology, Germany). Published in volume 63, issue 1, January 2008.
- Remote Sensing and GIS for Coastal Ecosystem Assessment and Management. Guest editor: Xiaojun Yang (Florida State University, U.S.A.). Published in volume 63, issue 5, September 2008.
- Image analysis and image engineering in close range photogrammetry. Guest editors: Hans-Gerd Maas (Dresden University of Technology, Germany) and Thomas Luhmann (University of Applied Sciences Oldenburg, Germany). Published in volume 64, issue 3, May 2009.

- Mapping with SAR - Techniques and Applications. Guest editors: Andreas Reigber (Berlin University of Technology, Germany) and Laurent Ferro-Famil (University of Rennes 1, France). Published in volume 64, issue 5, September 2009.

- Visualization and Exploration of Geospatial Data. Guest editors: Jochen Schiewe (University of Osnabrueck, Germany) and Marguerite Madden (The University of Georgia, U.S.A.). Published in volume 65, issue 3, May 2010.

- ISPRS Centenary Celebration Issue. Guest editors: Norbert Pfeifer (Technical University of Vienna, Austria), Helmut Mayer (Bundeswehr University, Germany), and Juha Hyypä (Finnish Geodetic Institute). Published in volume 65, issue 6, November 2010.

- Scale, quality, and analysis aspects of city models. Guest editors: Monika Sester (Leibniz University Hannover, Germany), Lars Harrie (Lund University, Sweden), and Alfred Stein (International Institute for Geoinformation Science and Earth Observation (ITC), the Netherlands). Published in volume 66, issue 2, March 2011.

- Advancements in LiDAR data processing and applications. Guest editors: Frédéric Bretar (CETE NC/LRPC, France), Wolfgang Wagner (Vienna University of Technology, Austria), and Nicolas Paparoditis (Institut Géographique National, France). Published in volume 66, issue 6 Supplement, December 2011.

Currently, the following theme issues are under preparation.

- Terrestrial 3D modelling. Guest editors: Fabio Remondino (3DOM / FBK, Italy) and Jan Böhm (University College London, United Kingdom).

- SAR interferometry. Guest editors: Uwe Soergel (Leibniz Universität Hannover, Germany), Rudiger Gens (Alaska Satellite Facility, U.S.A.), and Michele Crosetto (Institute of Geomatics, Spain).

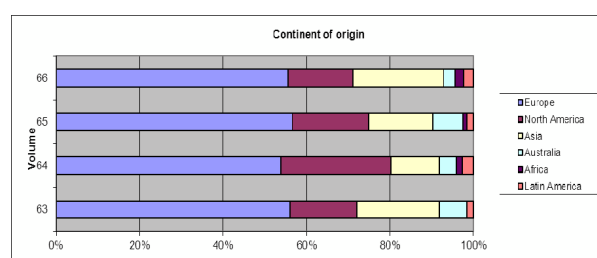
- Towards Intelligent GeoProcessing on the Web. Guest editors: Songnian Li (Ryerson University, Canada), Suzana Dragicevic (Simon Farsier University, Canada), Bert Veenendaal (Curtin University, Australia), and Maria Brovelli (Polytechnic of Milan, Italy).

2.4 Countries of origin of contributions

The table below lists the countries of origin of the contributions per volume for the last four volumes. In case a paper was written by authors from multiple countries, the count was distributed over these countries. Hence, when two authors are from country A and one from country B, countries A and B contributed 2/3 resp. 1/3 of the paper.

Contributions have been published from all continents. About 55% of the manuscripts come from Europe, followed by North America and Asia with both around 18%. The five most publishing countries together contributed more than 50% of the publications.

Country /	63	64	65	66	Total	%
USA	7.3	15.0	7.0	13.2	42.6	16.30%
Germany	5.0	12.3	8.9	12.2	38.4	14.70%
China	3.7	1.9	5.0	10.3	20.8	8.00%
Italy	4.3	5.4	1.7	6.5	17.8	6.80%
France	4.3	5.0	2.6	5.1	17.0	6.50%
Netherlands	3.0	2.2	1.1	7.1	13.4	5.10%
Australia	3.0	2.8	4.0	2.6	12.4	4.80%
Spain	2.0	2.0	1.5	6.8	12.3	4.70%
United Kingdom	3.8	1.0	2.3	2.9	10.0	3.80%
Finland		1.0	2.8	4.7	8.5	3.30%
Canada		3.0	2.9	2.0	7.9	3.00%
Japan	1.0	3.0	1.3	1.5	6.8	2.60%
Austria	1.5		3.0	1.5	6.0	2.30%
Switzerland	0.5	2.3	2.8	0.2	5.7	2.20%
Israel	1.0	1.0	1.0	2.0	5.0	1.90%
India	1.0	2.0	0.4	1.5	4.9	1.90%
Greece	1.0	1.0	1.0	1.8	4.8	1.90%
Sweden		1.0	2.0	1.0	4.0	1.50%
Brazil	0.8	1.8		1.4	4.0	1.50%
South Korea	1.0		0.7	1.0	2.7	1.00%
South Africa		1.0		1.3	2.3	0.90%
China Taipei	1.0			1.0	2.0	0.80%
Iran				1.8	1.8	0.70%
Norway		1.0	0.2		1.2	0.50%
Czech Republic		1.0			1.0	0.40%
Argentina			0.9		0.9	0.30%
Belgium			0.1	0.7	0.8	0.30%
Ireland				0.7	0.7	0.30%
Mexico				0.7	0.7	0.30%
Luxembourg	0.5				0.5	0.20%
Iceland		0.5			0.5	0.20%
Slovenia		0.5			0.5	0.20%
Denmark		0.5			0.5	0.20%
Lebanon	0.5				0.5	0.20%
Pakistan				0.5	0.5	0.20%
Turkey				0.5	0.5	0.20%
Egypt				0.5	0.5	0.20%
Morocco			0.3		0.3	0.10%
Estonia			0.3		0.3	0.10%
Portugal			0.2		0.2	0.10%
Sudan			0.1		0.1	0.05%
Chile				0.1	0.1	0.05%
Total	46	68	54	93	261	



3. Access to articles

3.1 Subscriptions

The table below shows the number of subscriptions to paper copies in the past four years. The downward trend visible in the 2004-2007 period clearly continues. It is probably only a matter of time before printing is discontinued. More and more readers only use the access to the on-line version of the ISPRS Journal on ScienceDirect. The number of people that have access to the on-line version of the ISPRS Journal is difficult to assess as many universities have site licenses to access all journals in a specific domain (e.g. Environmental Sciences). More meaningful are the numbers of downloads (see next section).

Subscription type	2008	2009	2010	2011
Normal	187	155	126	109
Member of a national society	34	26	30	24
Other	4	5	5	4
Gratis	48	64	59	55
Total	273	250	220	192

3.2 Paper downloads from ScienceDirect

Papers are available on-line through the Elsevier website www.sciencedirect.com. The number of downloaded papers doubled from 2007 to 2011. This is partly explained by the increased number of published papers in these years, but also shows that the number of downloads per paper continues to increase.

Year	2008	2009	2010	2011
# downloads	135682	170678	185468	195887

3.3 Journal web pages

Editor	Affiliation	Field of expertise
Ling Bian	State University of New York at Buffalo, U.S.A.	Optical remote sensing
Eberhard Gülch	Stuttgart University of Applied Sciences, Germany	Aerial photogrammetry and GIS
Olaf Hellwich	Technical University Berlin, Germany	Radar remote sensing and close-range photogrammetry
George Vosselman	University of Twente (ITC), Netherlands	Laser scanning

After three years of editing many remote sensing papers Ling Bian decided to step down in January 2009. She was succeeded by two new Associate Editors as the number of remote sensing papers had grown significantly. The further increase of the number of

The ISPRS website of the journal is maintained at <http://www.itc.nl/isprsjournal>. This site is targeting the ISPRS community with information on calls for papers, announcements of Helava awards and special subscription rates. In 2007 this website was visited by 963 unique visitors per month, in 2010 and 2011 by 1175 and 1229 visitors per month respectively.

4. Impact factor and citations

The field impact factor of year X is defined as the number of citations in the year X to articles published in the years X-1 and X-2 divided by the number of articles published in the years X-1 and X-2. It is a widely used statistic to evaluate the quality of a journal. The impact factor of the ISPRS Journal strongly increased in the past four years. In 2008 it made a jump from 1.1 to 2.3, and after three years at this level it made another jump to 2.9 in 2011. With this impact factor the ISPRS Journal is the 3rd ranked journal of the 22 journals in the field of remote sensing, very close to the second ranked IEEE TGRS. The impact factor can be sensitive to impact of a single very well cited paper. Such a single paper can account for an impact change of 0.4-0.5. This also played a role in the 2011 impact factor.

Year	2008	2009	2010	2011
Impact factor	2.293	2.308	2.158	2.885
Total cites	1235	1328	1526	1879

The total number of citations to articles in the ISPRS Journal continues to grow and more than doubled in the period 2007-2011.

5. Editorial team

At the start of this four year term the editorial team consisted of three Associate Editors and the Editor-in-Chief. They were handling papers of their fields of expertise as listed below.

paper submissions in 2010 caused a high work load for the editors. To reduce the work load per editor the editorial team was expanded with three more Associate Editors. The Associate Editors appointed in the past four years are:

Editor	Affiliation	Field of expertise	Start
Qihao Weng	Indiana State University, U.S.A.	Optical remote sensing	January 2009
Daniel Civco	Connecticut University, U.S.A.	Optical remote sensing	February 2009
Konrad Schindler	ETH Zürich, Switzerland	Photogrammetric computer vision	November 2011
Lalit Kumar	University of New England, Australia	Optical remote sensing	January 2012
Dar Roberts	University of California, Santa Barbara, USA	Optical remote sensing	January 2012

6. Elsevier

6.1 Staff changes

Shortly after the Beijing congress Elsevier dissolved the position of Publishing Editor and transferred the responsibilities to the Publisher. The former Publishing Editor and Publisher both left Elsevier in the summer of 2008.

Gert-Jan Geraeds has been appointed Publisher in September 2008 and has since then been my first point of contact for all developments of the ISPRS Journal. Daily matters concerning the issue preparation and publishing are dealt with by the Journal Manager. After the retirement of Margaret Blackler, who worked with Elsevier for 33 years and has been working with many former Editors-in-Chief, the position of Journal Manager was moved to Elsevier's Chennai office (India) and taken up by Arun Tamilselvi Sanka in May 2009. As of April 2011 this position has been taken over by Kreeti Saravanan. For preparation of theme issues the Editor-in-Chief communicates with the Publishing Content Coordinator, currently Jenny Wang in Elsevier's Beijing office.

6.2 Deviations from the 2009-2012 contract

As a result of the increased number of submissions in 2010, the budget of 600 pages for publications in 2011 was clearly insufficient. Even though 150 pages could be published in the commercial supplement on lidar, further 300 pages had to be added to the 2011 volume, as mentioned above. With Elsevier we agreed to let the journal grow in the years to come. Anticipating larger incomes in those years, Elsevier agreed to publish the additional 300 pages at no costs to the ISPRS. Elsevier and the ISPRS also agreed to increase the number of issues from 6 to 8 in 2012. The number of pages per issue will, however, have to be larger than 100. Already in the first half year (4 issues) 626 pages have been published.

6.3 Contract renewal 2013-2016

ISPRS decided to stay with Elsevier for the next term as Elsevier is clearly the leading publisher of journals on remote sensing and photogrammetry. An addendum to the current contract will be signed between ISPRS and Elsevier for publication of the ISPRS Journal of Photogrammetry and Remote Sensing in the years 2013-2016. The main points of this addendum are:

- Starting from 2013 the ISPRS Journal of Photogrammetry and Remote Sensing will be published in 12 issues with a page budget of approximately 1200 pages and a maximum of 1400 pages. A further increase is possible but will require renegotiation of the subscription fees.
- An additional Associate Editor will be appointed in January 2013. The editorial team will then consist of the Editor-in-Chief and eight Associate Editors.
- The subscription rates will increase, but not linearly with the number of published pages. While the number of pages in the contract will double from 600 to 1200, the subscription fee will increase

from \$51 to \$84. This subscription includes access to all articles published since 1995. The subscription fee for access to all articles published before 1995 (going back to 1937) slightly drops from \$124 to \$122.

7. U.V. Helava Award

The U.V. Helava Award, sponsored by Elsevier B.V. and Hexagon Geosystems, is the prestigious ISPRS Award for the best publication in the ISPRS Journal in a four year period between the congresses. It was established in 1998 to encourage and stimulate submission of high quality scientific papers to the ISPRS Journal, to promote and advertise the Journal, and to honour the outstanding contributions of Dr. Uuno V. Helava to research and development in Photogrammetry and Remote Sensing. For the years 2008-2011 the Helava Award Jury, comprising five experts of high scientific standing, whose expertise covers the main topics included in the scope of the Journal, determined the best paper of each year. These best papers are

2008: On-line boosting-based car detection from aerial images by Helmut Grabner, Thuy Thi Nguyen, Barbara Gruber and Horst Bischof

2009: SPIRIT. SPOT 5 stereoscopic survey of Polar Ice: Reference Images and Topographies during the fourth International Polar Year (2007-2009) by Jérôme Korona, Etienne Berthier, Marc Bernard, Frédérique Rémy and Eric Thouvenot

2010: Automatic detection and tracking of pedestrians from a moving stereo rig by Konrad Schindler, Andreas Ess, Bastian Leibe and Luc Van Gool

2011: Modelling and analysing 3D buildings with a primal/dual data structure by Pawel Boguslawski, Christopher Gold and Hugo Ledoux

The Helava Award Jury selected the best paper of 2010 by Konrad Schindler, Andreas Ess, Bastian Leibe and Luc Van Gool as the winner of the 2008-2011 Helava Award.

8. Final remarks

The number of manuscripts submitted to and published in the ISPRS Journal of Photogrammetry and Remote Sensing strongly increased in the past four years. The same also holds for many other journals and is likely to be related to the increasing emphasis universities give to ISI journal publications and citations to ISI journal publications in their research reviews. This may lead to a further increase in submissions in the coming years, but also to submissions with rather marginal innovations as authors may seek the minimum publishable unit. In the past years we've tried to keep a more or less constant quality threshold for accepting manuscripts, but saw the acceptance rate decreasing from 32% to 27%.

My second four-year term as Editor-in-Chief ends December this year. I decided not to continue for another term. The past eight years have been very rewarding with a lot of contacts to the associate and

guest editors, ISPRS Council, authors and reviewers and the job gives one an excellent and early insight into the scientific developments in our field. Yet, it's also a time-consuming job and in the next years I would like to have more time for the research in my group. I would like to express my sincere thanks to all that contributed to the ISPRS Journal. In particular I would like to thank the associate and guest editors for their hard work to make the journal flourish.

I'm pleased to report that the ISPRS Council selected Derek Lichti, University of Calgary, as the next Editor-in-Chief. In the past years Derek already made substantial and valuable contributions to the ISPRS Journal as author, reviewer, and guest editor. I wish him lots of success in further developing the ISPRS Journal.

REPORT of the EDITOR-IN-CHIEF of the ISPRS INTERNATIONAL JOURNAL of GEO-INFORMATION WOLFGANG KAINZ

Aims and Scope

IJGI provides an advanced forum for the science and technology of geographic information. IJGI publishes regular research papers, reviews and communications. The aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. The full experimental details must be provided so that the results can be reproduced. The scope for papers addresses the following topics:

- data collection and acquisition
- data structures and algorithms
- spatio-temporal databases
- spatial analysis, data mining, and decision support systems

- visualization theory and technology in real and virtual environments
- cartography
- location based services
- uncertainty handling in spatial data
- topology
- geo-computation
- geo-telematics
- spatial information infrastructures
- interoperability and open systems
- applications of geoinformation technology (all possible domains)

IJGI regularly publishes special issues on relevant and timely topics. The journal website is at www.mdpi.com/journal/ijgi/

Editors	Emmanuel Baltsavias , Swiss	Sérgio Freire , Universidade
Editor-in-Chief:	Federal Institute of Technology	Nova de Lisboa, Lisboa,
Wolfgang Kainz , University of	Zurich, Zurich, Switzerland	Portugal
Vienna, Vienna, Austria	Norbert Bartelme , Graz	Chris Gold , Westmount QC,
Assistant Editor:	University of Technology, Graz,	H3Z 1N2, Canada
Elvis Wang , MDPI Beijing	Austria	Bin Jiang , University of Gävle,
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Production Editor:	European Commission – Joint	Marinos Kavouras , National
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Publisher:	Center, Beijing, China	Milan Konečný , Masaryk
Shu-Kun Lin , MDPI AG, Basel,	Tao Cheng , University College	University, Brno, Czech
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History

In December 2010, I was approached by the President of ISPRS, Orhan ALTAN, whether to accept the function of Editor-in-Chief of the newly founded open access journal "ISPRS International Journal of Geo-Information". After brief consultation and consideration, I accepted the function. In the beginning of 2011 several colleagues were approached to become members of the editorial board. The process took until late spring and currently the journal has 28 members of the editorial board.

On 4 May 2011, the journal was discussed at the ISPRS Council meeting in Antalya. The contract between ISPRS and MDPI was signed on 8 August 2011; an editorial was published on 8 September 2011. This was the official date that the journal was visible on the Web. The first full paper appeared in February 2012; the first issue was officially published in June 2012.

Promotion of Journal

The journal has been promoted at the following events:

Event	Date and Venue	Remarks
International Symposium on Dynamic and Multi-Dimensional GIS, DMGIS 2011	17 – 18 October 2011, Shanghai, China	Promotion only, the proceedings were already arranged otherwise
United Nations International Conference on Space-based Technologies for Disaster Risk Management	22 – 25 November 2011, Beijing, China	Selected papers will be published as special issue in 2012
International Symposium on Remote Sensing and GIS Methods for Change Detection	15 16 December 2011, Hong Kong, China	Promotion only, the proceedings were already arranged otherwise

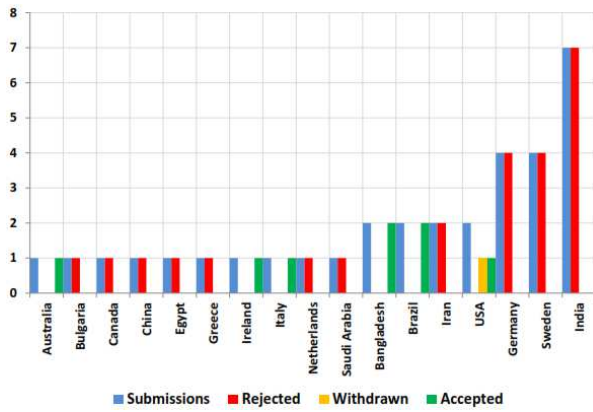
and Spatio-
Temporal
Modeling,
CDSM 2011

A flyer is available from the journal home page (attached to this report). The journal is promoted at conferences and relevant events, through the ISPRS web page (ISPRS Blog), ISPRS eBulletin, GIM, and other means.

Received and Processed Articles per Country

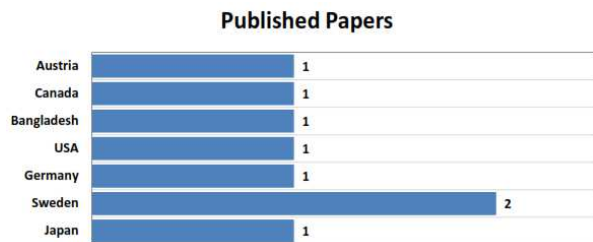
The following table and chart show the received and processed articles per country of corresponding author. Since the number of articles to date is rather small, the figures are not very representative.

Country	Sub.	Rej.	WD.	Accep.	R. Rate
Australia	1	0	0	1	0%
Bulgaria	1	1	0	0	100%
Canada	1	1	0	0	100%
China	1	1	0	0	100%
Egypt	1	1	0	0	100%
Greece	1	1	0	0	100%
Ireland	1	0	0	1	0%
Italy	1	0	0	1	0%
Netherlands	1	1	0	0	100%
Saudi Arabia	1	1	0	0	100%
Bangladesh	2	0	0	2	0%
Brazil	2	0	0	2	0%
Iran	2	2	0	0	100%
USA	2	0	1	1	0%
Germany	4	4	0	0	100%
Sweden	4	4	0	0	100%
India	7	7	0	0	100%
Total	33	24	1	8	73%



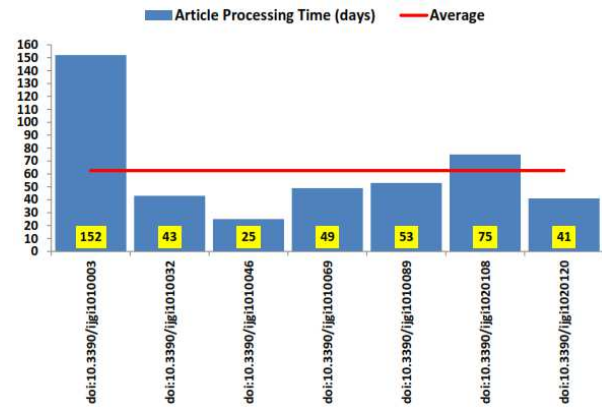
Published Papers

The following table shows the number of published papers by corresponding author’s country.



Publication Speed

The following table shows the number of days per article from receipt until publication (in days). The average processing speed was 63 days. Not considering the long processing time for one outlier paper the publication speed was 48 days.



Special Issues

The following special issues have been published or are in preparation.

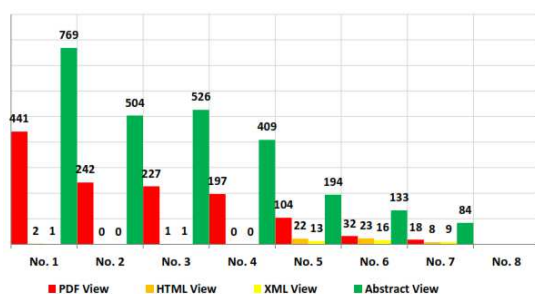
Special Issue Title (Editors)	Submission deadline	Papers Published
Geospatial Monitoring and Modeling of Environmental Change (Duccio Rocchini)	31 July 2012	0
GIS-based Decision Making in Natural Resource Management (Dave Verbyla)	31 August 2012	0
Spatial Data Infrastructures, Cyberinfrastructure, and e-Science for GIScience (Sergio Rey, Michael P. Finn)	30 September 2012	0
Space-Based Technologies for Disaster Risk Management (Shirish Ravan, Sisi Zlatanova)	31 December 2012	1
Spatial Analysis and Data Mining (Brian Lees)	31 January 2013	0

Most Downloaded Papers

Overview over the most downloaded articles until mid-July 2012.

Rank	Paper	PDF View	HTML View	XML View	Abstract View
No.1	Ahmed, B.; Ahmed, R. Modeling Urban Land Cover Growth Dynamics Using Multi-Temporal Satellite Images: A Case Study of Dhaka, Bangladesh. ISPRS Int. J. Geo-Inf. 2012, 1(1), 3-31.	441	2	1	769
No.2	Kainz, W. Understanding and Managing Our Earth through Integrated Use and Analysis of GeoInformation. ISPRS Int. J. Geo-Inf. 2012, 1(1), 1-2.	242	0	0	504
No.3	Estoque, R.; Estoque, R.; Murayama, Y. Prioritizing Areas for Rehabilitation by Monitoring Change in Barangay-Based Vegetation Cover. ISPRS Int. J. Geo-Inf. 2012, 1(1).	227	1	1	526

No.4	Brodzik, M.; Billingsley, B.; Haran, T.; Raup, B.; Savoie, M. EASE-Grid 2.0: Incremental but Significant Improvements for Earth-Gridded Data Sets. <i>ISPRS Int. J. Geo-Inf.</i> 2012, 1(1), 32-45.	197	0	0	409
No.5	Wieland, M.; Pittore, M.; Parolai, S.; Zschau, J. Exposure Estimation from Multi-Resolution Optical Satellite Imagery for Seismic Risk Assessment. <i>ISPRS Int. J. Geo-Inf.</i> 2012, 1(1), 69-88.	104	22	13	194
No.6	Jia, T.; Jiang, B. Exploring Human Activity Patterns Using Taxicab Static Points. <i>ISPRS Int. J. Geo-Inf.</i> 2012, 1(1), 89-107.	32	23	16	133
No.7	Forsythe, K.; Schatz, B.; Swales, S.; Ferrato, L.; Atkinson, D. Visualization of Lake Mead Surface Area Changes from 1972 to 2009. <i>ISPRS Int. J. Geo-Inf.</i> 2012, 1(2), 108-119.	18	8	9	84
No.8	El-Mekawy, M.; Östman, A.; Hijazi, I. A Unified Building Model for 3D Urban GIS. <i>ISPRS Int. J. Geo-Inf.</i> 2012, 1(2), 120-145.	No data	No data	No data	No data

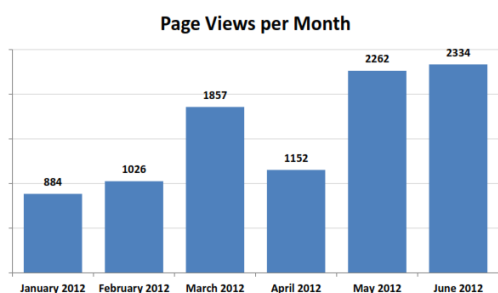


Visits and Page Views

The following table shows the number of visits of the journal web site per month for the year 2012.

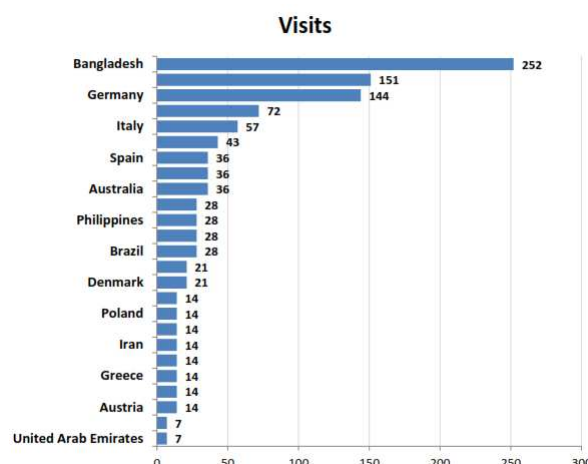


The following table shows the number of page views per months for the year 2012.



Visitors

The following table gives an overview of the number of visits to the journal web page per country.



Points of Attention and Future Plans

Article Processing Charge-free Period

As agreed in the contract with MDPI, the first two years no authors' fees will have to be paid. Since the contract with MDPI was signed on 8 August 2011, there were no submissions in 2011, and the first issue appeared 2012, it should be discussed to extend the ACP-free period with one year until 31 December 2013.

Future Activities to Promote the Journal

- Council members should write position papers (overview papers) about the key topics of ISPRS
- TCPs should write one position paper about their respective Commission and edit special issues of their symposia
- TCPs should encourage their WGs to publish special issues on workshop results

REPORT of ISPRS eBULLETIN CHEN JUN

ISPRS Highlights was official bulletin of the Society. It has been published by Geomares Publishing in the Netherlands. It served the Society very well in producing a high quality bulletin, which has been distributed to all ISPRS members and to individuals associated with ISPRS. I was supported by Orhan Altan as General Supervisor. Three issues of ISPRS Highlights were published in each of 2009 and 2010.

Since the beginning of 2011, Highlights was replaced by eBulletin with 6-8 issues per year. 7 issues were publicized in 2011, and 3 issues have been published this year.

The eBulletin is being sent by webmaster to 4000 individuals, moreover, many societies such as ASPRS or Swiss Society distribute the bulletin to their members. However, the actual number can be estimated now at over 10.000 as many members distribute this new version of so called “eBulletin” to their members internally.

Links of the Highlights and eBulletin issues on the Webpage:

2012

- Issue No. 1 - February 2012
- Issue No. 2 - April 2012
- Issue No. 3 - June 2012

2011

- Issue No. 1 - January 2011
- Issue No. 2 - February 2011
- Issue No. 3 - April 2011
- Issue No. 4 - May 2011
- Issue No. 5 - July 2011
- Issue No. 6 - September 2011
- Issue No. 7 - December 2011

REPORT of ISPRS WEB MASTER MARKUS ENGLICH

4 years ago the ISPRS website moved from Zurich to Stuttgart.

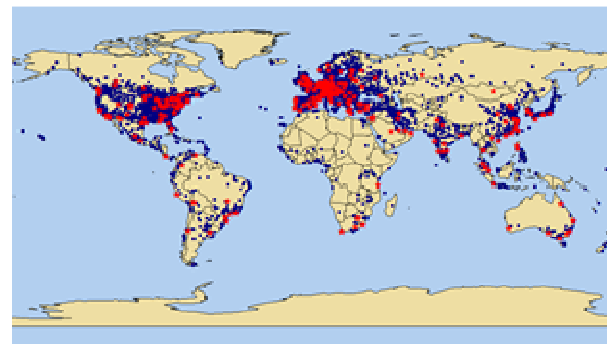
One of the first actions was the installation of the PayPal interface for paying member fees.

After the Beijing Congress, the “yellow pages” were replaced by a new layout with a permanent available menu structure. Since this time the number of visited pages per month decreased from 85000-110000 to 30000-60000. This can be seen as an indicator that information can now be found more easily and directly than before.

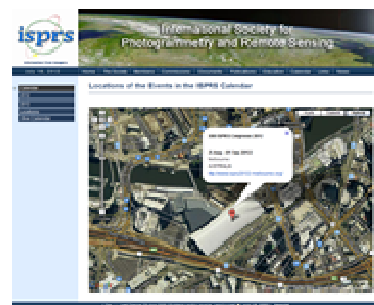
Currently we host 961 aspx files (main html files), about 3000 other html files of older documents and more than 17000 PDFs, thereof are more than 15000 papers.

Our most visited areas have been publications, calendar and job opportunities. Besides the 2nd announcement for the Congress and the leaflet “Geoinformation for Disaster and Risk Management, Examples and Best Practices” the Archives papers and documents about historic developments were as well “best sellers”.

The map on the right side shows us where our visitors are coming from. The red stars mark the most active cities, dark blue circle cities with average activities and the small blue circle cities with lower activities. It shows that the visitors are coming from all over the world but with some concentrations in the USA, Europe and East Asia.



Since 2009 we offer (in the calendar area), in addition a map on base of Google Maps with the locations of the events in the ISPRS calendar. If the venue is known the position is set to it. Otherwise the center of the city will be set as position.



For the award nomination, we had installed an online system already in 2011, which made the document handling much easier.

Since 2011 the ISPRS eBulletin became the official bulletin of the Society. It has replaced the former ISPRS Highlights and is generated now without third parties. It will be published every 6-8 weeks with the newest announcements, reports and other news. The frequency of the publication has been at least doubled compared to the ISPRS Highlights so that news can reach you more promptly. It will be sent to the ISPRS mailing list which has actually more than 4000 addresses.



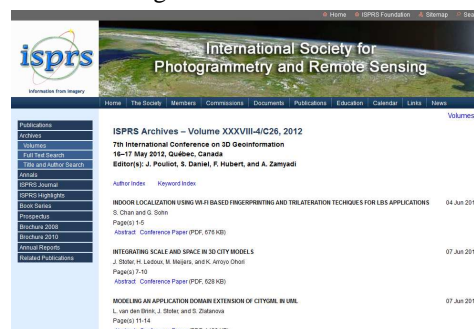
The publications/Archives are one of the most important products of ISPRS. That was the reason why there was spent some more time in this area. The directory structure was reorganized so that now all publications are stored under proceedings. This makes it much easier to search just for papers without getting results from other documents. Since there have been several requests about older papers, I have started to scan the proceedings of the congresses in Rio de Janeiro 1984, Kyoto 1988, Washington D.C. 1992 and Vienna 1996. In total more than 3100 papers were hereby added to the ISPRS website. Hamburg 1980

will follow. In addition the Amsterdam documents were split into single papers.

In 2011 ISPRS has signed a contract with Copernicus GmbH about Conference Management Packages. The Copernicus system will help the event organizers to manage abstract and paper handling.

The first proceedings were already captured and hosted by Copernicus and are integrated in our website.

To document that the ISPRS Archives are a series, all existing proceedings were transformed to a similar layout to the one of Copernicus. This should increase our chances to bring the Archives into SCOPUS.



For all available digital proceedings (not the scanned ones) list of authors and list of keywords were generated. Therefore the listed authors in the table of contents were taken and the key-words were extracted from the PDFs. In case that the whole proceedings were protected, the keyword index was not generated.

In the last 4 years the “education” area was more or less unchanged. There should come more input like tutorials or test data sets from the community in the future.

REPORT of ISPRS BOOK SERIES EDITOR PAUL APLIN

Book Series volumes

Since the last ISPRS Congress, Book Series volumes 8, 9 and 10 have been published (see below), with volume 11 due for release around the time of the ISPRS Congress in Melbourne: *Environmental Tracking for*

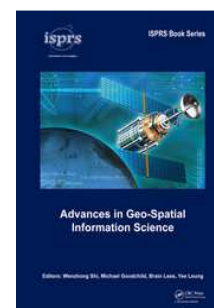
Public Health Surveillance, edited by Stanley Morain and Amelia Budge. Another volume, *Earth Observation Small Satellites for Remote Sensing Applications*, is currently in preparation, scheduled for publication early in 2013.



Volume 8, Recent Advances in Remote Sensing and Geoinformation Processing for Land Degradation Assessment, 2009, edited by Achim Röder and Joachim Hill.



Volume 9, Advances in Web-based GIS, Mapping Services and Applications, 2011, edited by Songnian Li, Suzana Dragičević & Bert Veenendaal.



Volume 10, Advances in Geo-Spatial Information Science, 2012, edited by Wenzhong Shi, Michael Goodchild, Brian Lees and Yee Leung.

Reviews of published volumes

Pleasingly, over the last four years, reviews of published volumes have begun to appear in journals and other literature. These are generally good, critical commentaries of the volumes. The publisher has clearly worked hard on this task, following repeated earlier requests from us at ISPRS to disseminate volumes

widely for review. All published volumes are now sent routinely to the International Journal of Geographical Information Science, the International Journal of Remote Sensing, ISPRS Highlights, Photogrammetric Engineering & Remote Sensing and The Photogrammetric Record. A selection of reviews is presented below.

Vol 4	Gao, Y. and Habib, A., 2008, Photogrammetric Engineering & Remote Sensing, 74, 397-398.
Vol 5	Graham, A.J., 2009, The Photogrammetric Record, 24, 103.
Vol 5	Yuan, M., 2009, Photogrammetric Engineering & Remote Sensing, 75, 235-236.
Vol 6	Beck, A., 2009, The Photogrammetric Record 24, 200-201.
Vol 6	Karasova, V., 2009, International Journal of Geographical Information Science, 23, 131-133.
Vol 7	Peled, A., 2008, ISPRS Highlights, No. 6 (November 2008), online (http://www.isprshighlights.org/nieuws/item.php?nieuws_id=64).

Sales figures for published volumes

ISPRS Book Series volumes sell reasonably well for books in the field. More could probably be done to market and promote the volumes among the ISPRS

community, for instance by encouraging academic practitioners to adopt volumes as teaching texts and order volumes for institutional libraries. Sales figures provided by the publisher are shown below.

Vol 1	Kainz, Li & Zhou	<i>Advances in Spatial Analysis and Decision Making</i>	262 copies (100 bulk order)
Vol 2	Morain & Budge	<i>Post-Launch Calibration of Satellite Sensors</i>	151 copies
Vol 3	Agouris & Croiteru	<i>Next Generation Geospatial Information</i>	339 copies (85 bulk order)
Vol 4	Tao & Li	<i>Advances in Mobile Mapping Technology</i>	454 copies (100 bulk order)
Vol 5	Tang, Liu, Zhang & Kainz	<i>Advances in Spatio-Temporal Analysis</i>	337 copies (100 bulk order)
Vol 6	Zlatanova & Li	<i>Geospatial Information Technology for Emergency Response</i>	229 copies
Vol 7	Li, Chen & Baltasvias	<i>Advances in Photogrammetry, Remote Sensing and Spatial Information Sciences: 2008 ISPRS Congress Book</i>	1059 copies (800 bulk order)
Vol 8	Röder & Hill	<i>Recent Advances in Remote Sensing and Geoinformation Processing for Land Degradation Assessment</i>	495 copies (200 bulk order)

Engagement with the Book Series

As reported at the Beijing Congress four years ago, although the Book Series has met with success in producing high quality scientific volumes, it probably still represents untapped potential. The visibility and recognition of the series seems limited within the ISPRS community – the ISPRS Book Series brand is not well established. Most significantly, there have been relatively few proposals for new volumes in the last four years, and some commissioned volumes have failed to reach completion. At the ISPRS General Assembly in Vienna during the 2010 Centenary

celebrations, there was discussion about an initiative to increase the quality of publications arising from ISPRS meetings. Specifically, it was suggested that conference papers should routinely be subject to full peer review, and there was discussion about the value of publications gaining bibliographic accreditation – ISI recognition, etc. Clearly, no one would argue with the benefit of increasing the standards of ISPRS publications. However, it could be argued that the ISPRS Book Series, in its current form, already provides a mechanism to generate high quality publications from ISPRS meetings. In this case, routine

production of such high quality conference proceedings could become a competitor to the Book Series, rather than a complementary form of ISPRS publication. I suggest that the Book Series is included in any discussion on ISPRS publishing strategy. Some effort must be made by leading members and groups of the ISPRS community (Council, Technical Commission Presidents, Working Group Chairs, National Delegates, etc.) to promote the Book Series and attract wider engagement. Perhaps of greatest importance here is to encourage more volume proposals, and the most obvious source for these is technical WG meetings. A small incentive for WG Chairmen may be to point out that the winner of the ISPRS Willem Schermerhorn Award in 2008 was Sisi Zlatanova who edited a volume of the ISPRS Book Series as part of her WG activities.

REPORT of ISAC (INTERNATIONAL SCIENTIFIC ADVISORY COMMITTEE) by CHAIR ARMIN GRUEN

This report covers the activities of ISAC during the Inter-congress period 2008-2012.

ISAC (International Science Advisory Committee) resumed its work after the ISPRS Congress in Istanbul 2004 with a crew of 12 members, covering at equal numbers (4) the major areas of interest of ISPRS Photogrammetry, Remote Sensing and GIS. In the course of time, the membership changed several times for various reasons. After the ISPRS Congress in Beijing a new membership model was implemented, with a totally new team (for the current membership see Attachment 2).

For the Terms of Reference of ISAC, please see Attachment 1 and for the ISAC Member List Attachment 2.

Throughout the 4-years period, the Committee developed and submitted opinions to the following issues and documents:

Year 2008

Discussion of the working mode, the structure and composition of ISAC. It was noted that the Committee Members' activities varied to a great deal and that certain areas of expertise are missing in the Committee. The Chairman made a proposal to Council as to what kind of measures should be introduced in order to make the work of the Committee more efficient.

Year 2009

The activities of ISAC in 2009 were dominated by the work for the evaluation of the Terms of References of the ISPRS Working Groups. The majority of Committee Members provided for detailed and knowledgeable analyses of the proposed structures and contents for the current period of office 2008-2012.

Book Series opportunities

The Book Series holds great opportunity for all members of the ISPRS community. Volumes can be purchased with a 35% price discount by all individuals within ISPRS Ordinary, Associate, Regional and Sustaining members. The Book Series also provides a mechanism for editing, authoring and publishing high quality scientific work. Researchers in the spatial information sciences, and particularly ISPRS WG Chairs and TC Presidents, are encouraged to consider preparing ISPRS Book Series volumes as part of their scientific activities. Full details of the Book Series, published volumes, editing protocols and so on are provided on the website: <http://www.isprs.org/publications/bookseries.html>. The Book Series Editor is always happy to discuss any matters related to the series.

The ISAC Chairman was also involved in the ongoing discussions concerning the strategic plan of ISPRS (e.g. he participated in the Council Meeting in Stuttgart, 7.9.2009) and in the preparations of the Centenary celebrations in Vienna July 2010.

Year 2010

+ ISAC Members evaluated the organization, conduction and results of eight ISPRS Symposia 2010. It was noted that ISAC Member attendance at Symposia was not very good.

Year 2011

+ Evaluation of Changes to Working Group specifications in the Orange Book

+ Evaluation of Changes to the Guidelines for Proposing Resolutions in the Orange Book

Year 2012

+ Review of the Draft Resolutions for the XXIInd Congress of the ISPRS, Melbourne 2012

+ Evaluation of the Terms of Reference of the Technical Commissions for Melbourne 2012

Conclusions

The work of ISAC suffered at times from a uneven amount of activities among its members. While some have been actively and timely contributing, others did not show so much interest in ISAC's matters.

Also, the flow of information between Council and ISAC was not always at its best. In order for ISAC to work more pro-actively it is necessary that the ISAC Chairman has closer links to Council. This includes the attendance of Joint Meetings.

The Chairman of ISAC would like to express his sincere thanks to all those members who have

contributed to the Committee's work over the past period.

ATTACHMENT 1

The International Science Advisory Committee (ISAC)

The ISAC has been established to support the Council and the ISPRS General Assembly in identifying and addressing important S&T trends which impact the scope of the ISPRS Commissions and the activities which should be addressed by ISPRS Working Groups. The ISAC is to ensure that ISPRS S&T activities are in proper balance and cover the breadth of the Society's S&T mission

ISAC Terms of Reference

- Identify and prioritize scientific and technologic (S&T) trends which will impact the S&T activities of the Society and recommend actions to ISPRS Council.
- Facilitate excellence in scientific research and development and the use of proper and appropriate technology by evaluating and refining S&T Resolutions proposed in advance by ISPRS Member Organizations and Commissions for approval by the quadrennial ISPRS General Assembly.
- Collaborate with the ISPRS Council to formulate Resolutions for ISPRS General Assembly approval which will ensure that ISPRS is at the forefront of the S&T in the photogrammetry, remote sensing and spatial information sciences and covers the full breadth of the Society's mission.
- Review proposed Working Groups Terms of Reference with Council and identify S&T gaps and overlaps and recommend corresponding fills and consolidations.
- Evaluate inputs recommended for changing the overall scope and direction of S&T activities in the Society and advise Council accordingly.

- Suggest collaborative S&T activities with other international societies and intergovernmental bodies to foster cooperation on the interdisciplinary boundaries.
- Propose worthy candidates for recognition and awards.

ATTACHMENT 2

ISAC Membership

Originally Council decided that it is preferable to have a Committee of 12 Members who have broad experience and knowledge of the state of the sciences and technologies, and are respected experts and visionaries in the three primary disciplines embraced by ISPRS. In 2008 this concept was changed to a model where now the 14 Members represent the two categories Academia and Professional Practice. The ISAC Chair and Members are appointed by Council, not limited by term, but periodically reviewed and replaced if deemed inactive. To ensure proper representation, the ISPRS Council will strive to maintain active participation by specialists for each area of expertise. At the beginning of the reporting period (July 2008) and until now the following renowned experts have been Members of ISAC

Chairman: Armin Gruen

Members (representing Photogrammetry, Remote Sensing, Geospatial Information Sciences - Academia, Government Agencies, Industry, Professional Practice)

Academia:

Bryan Mercer, Michael Schaepman, Andrew Skidmore, Wolfgang Kainz, Monika Sester, Clive Fraser, Dieter Fritsch, Zhilin Li.

Government, Professional Practice:

Jürgen Dold, Mostafa Madani, David Holland, George Southard, Kass Green, Jiang Jie.

REPORT of IPAC (INTERNATIONAL POLICY ADVISORY COMMITTEE) by CHAIR RAINER SANDAU

1. Preamble

After the Beijing ISPRS Congress, IPAC was established for the four-year term 2008-2012. IPAC

consists now of twelve members coming from ten countries on five continents:

Begni, Gerard	gerard.begni@cnes.fr
Chern, Rock Jeng-Shing	jschern@cc.hc.cust.edu.tw
Ginati, Amnon	amnon.ginati@esa.int
Mostert, Sias	sias.mostert@spacecommercialise

Navalgund, Ranganath	director@sac.isro.gov.in
Neeck, Steven	steven.neeck@nasa.gov
Niemeyer, Irmgard	Irmgard.Niemeyer@fz-juelich.de
Sandau, Rainer (chair)	rainer.sandau@dlr.de
Schreier, Gunter	gunter.schreier@dlr.de
Schrogl, Kai-Uwe	kai-uwe.schrogl@espi.or.at
Von der Dunk, Frans	f.g.vonderDunk@law.LeidenUniv.nl
Cho, George	george.cho@canberra.edu.au

The members have been selected based on their knowledge of international and national policy and legislative activities related to the mission and objectives of the Society. The members represent public, private and academic sectors. In this composition IPAC was well prepared to provide substantial support to the ISPRS Council on policy issues relevant to the society.

The IPAC charter was slightly modified at the Council meeting in Zurich (see <http://www.isprs.org/structure/ipac.aspx>):

The role of IPAC is to advise Council on issues relevant to Society interaction with intergovernmental organizations, especially those that relate to ISPRS collaborative activities with various elements of the United Nations, the International Council of Science (ICSU), the Committee on Peaceful Uses of Outer Space (COPUOS), the Committee on Earth Observation Satellites (CEOS), and other similar organizations such as UATI, IUSS, ISO, World Bank, etc.

IPAC Terms of Reference

- Identify, coordinate and prioritize issues on which ISPRS should have a public policy.
- Provide the ISPRS Council with early warning of relevant international policy issues and recommend spokespersons on these issues.
- Provide advice for and with the ISPRS Council on policy towards international organizations in which ISPRS is represented (COPUOS, ICSU, CEOS, UATI, etc.).
- Collaborate with the ISPRS Council to provide policy advice when requested by international bodies.
- Provide advice to, and coordinate inputs of, ISPRS Commissions and Working Groups on international policy issues.
- Ensure any advocacy stances are fair and in the best interests of all segments of the ISPRS membership.

Besides fulfilling the tasks given in the ToRs of IPAC, the member composition qualifies IPAC to strengthen the ISPRS representation in international organisations (e.g. GEO, CEOS...) where appropriate in order to improve the quality of policy advice to be given to the ISPRS Council and to convey ISPRS related issues to those organisations. IPAC will also concentrate on looking for new potential connections to international NGOs having a main focus on remote sensing, as for example IAF, IAA...

Additionally, IPAC decided to take an action going beyond the IPAC's ToRs.

Since Commission 8 "Remote Sensing Applications and Policies" (10 WGs) will not have a WG covering specifically the policy aspects, IPAC decided to feel responsible for it. In that context, IPAC members declared their willingness to deal with the following three broad policy areas:

- Regulatory aspects of RS
- Law or treaty enforcement aspects of RS
- Impact of RS imagery on privacy (individual or collective).

As a first step, IPAC members volunteered to organize a Mid-Term Symposium in collaboration with Commission 8 (2010 in Kyoto).

With the actual status of IPAC and the list of tasks, the starting conditions for the IPAC's next term activities have been set.

2. Activities on request of the ISPRS Council

2.1. Internal reviews

IPAC reviewed

- the Terms of References of all Technical Commissions and Working Groups (Feb. 2009)
- the resolutions of Technical Commissions concerning the next four-year term (May 2012)

2.2. Representation of ISPRS at International organisations

UN COPUOS

Attendance at the 46th, 47th, 48th and 49th Session of the Scientific and Technical Subcommittee of UN

COPUOS in Vienna (in Feb. of 2009-2012), and presenting talks at these meetings on behalf of the ISPRS President, Prof. Orhan Altan:

- ISPRS – Mission and Activities (at 46th STC session, Feb. 2009)
- ISPRS Centenary – Invitation to join the celebration (at 47th STC session, Feb. 2009)
- ISPRS - 100th year of Serving the Society with Information from Imagery (at 48th STC session, Feb. 2009)

COSPAR

Representing ISPRS at the

- COSPAR Council meetings at the 38th COSPAR Assembly 2010 in Bremen, Germany
- COSPAR Council meetings at the 39th COSPAR Assembly 2012 in Mysore, India

3. Establishment of collaboration and joint activities with international Societies

Besides supporting the well established collaborations between ISPRS and international societies like COPUOS, ICSU, CEOS, etc., IPAC initiated meetings and activities with different societies and institutions like IAA (International Academy of Astronautics), IAF (International Astronautical Federation), ESPI (European Space Policy Institute), International Institute of Space Law (IISL), and Russian Academy of Astronautics named after Tsiolkowski (RAATs). The goal of those joint activities is to improve the quality of the work jointly done without increasing the number of conferences and studies.

As a result, special focus was given on three societies:

- International Academy of Astronautics (IAA)
- European Space Policy Institute (ESPI)
- Russian Academy of Astronautics named after Tsiolkowski (RAATs)

IAA

- MoU between ISPRS and IAA concerning collaboration in areas of common interest,
- Participation of ISPRS in the IAA Study 4.9 “International Aerospace System for Monitoring of Global Geophysical Phenomena and Forecasting of Natural and Man-caused Disasters”,
- Invited IAA paper at the Policy session of the ISPRS Commission VIII Symposium in Kyoto, August 9-12, 2010,
- IAA contribution at the Earth Observation Forum at the ISPRS Congress in Melbourne, Aug. 2012.

ESPI

- Co-organisation of the ESPI/ISPRS/IAA/IISL Conference on Current Legal Issues for Satellite Earth Observation, Vienna, 8-9 April 2010,
- ISPRS/IPAC contribution to ESPI’s 4th Autumn Conference, Vienna, 8-9 Sept. 2011,
- Co-organisation of the ESPI/EA/ISPRS Conference “Remote Sensing Regional Climate Change – Potentials and Options to Adapt”, Vienna, 26-27 May, 2011. (EA: Europäische Akademie zur Erforschung der Folgen wissenschaftlich-technischer Entwicklungen Bad Neuenahr-Ahrweiler),
- ISPRS/IPAC chapter to the Yearbook on Space Policy: 2009/2010: Space for Society, SpringerWienNewYork, 2011, ISBN: 978-3-7091-0941-0.

RAATs

- MoU between ISPRS and RAATs concerning collaboration at conferences and in study groups,
- ISPRS was contributing to the study “International Aerospace System for Monitoring of Global Geophysical Phenomena and Forecasting of Natural and Man-caused Disasters”,
- ISPRS participation at the IAA/RAATs Symposium "Space and Global Security of Humanity", July 2010, Riga, Latvia.



The 2nd Vice President of ISPRS, Ammatzia Peled (left), and the Chair of IPAC, Rainer Sandau (middle), have been awarded the "Tsiolkowski Medal of Honour" by the Russian Academy of Cosmonautics named after Tsiolkowski.

4. Conference preparations

- IPAC organised a “Policy” session at the ISPRS Comm. VIII Symposium, Aug 2010, Kyoto
- ISPRS/IPAC co-organised the joint ESPI/ISPRS/IAA/IISL Conference on “Current

legal issues for satellite Earth observation”, Vienna, April 8/9 2010

- ISPRS/IPAC co-organised the joint ESPI/EA/ISPRS Conference “Remote Sensing Regional Climate Change – Potentials and Options to Adapt”, Vienna, 26-27 May, 2011
- Co-organisation of the Earth Observation Forum at the XXII ISPRS Congress, Melbourne. 25 Aug. – 1 Sept., 2012

5. Conference participation and publications of IPAC members

5.1 Book contributions

- Matxalen Sánchez Aranzamendi, Rainer Sandau, Kai-Uwe Schrogl (eds.): Current Legal Issues for Satellite Earth Observation - Treaty Verification and Law Enforcement through Satellite Earth Observation - Privacy Conflicts from High Resolution Imaging. Proceedings of the ESPI/ISPRS/IAA/IISL Conference on Current Legal Issues for Satellite Earth Observation, Vienna 8-9 April 2010, ESPI Report 25, August 2010, ISSN 2218-0931
- Orhan Altan, Rainer Sandau, Kai-Uwe Schrogl, Tanja-Masson-Zwaan: Foreword. In: Matxalen Sánchez Aranzamendi, Rainer Sandau, Kai-Uwe Schrogl (eds.): Current Legal Issues for Satellite Earth Observation - Treaty Verification and Law Enforcement through Satellite Earth Observation - Privacy Conflicts from High Resolution Imaging, Proceedings of the ESPI/ISPRS/IAA/IISL Conference on Current Legal Issues for Satellite Earth Observation, Vienna 8-9 April 2010, ESPI Report 25, August 2010, ISSN 2218-0931
- Rainer Sandau: The State of the Art in Earth Observation. In: Matxalen Sánchez Aranzamendi, Rainer Sandau, Kai-Uwe Schrogl (eds.): Current Legal Issues for Satellite Earth Observation - Treaty Verification and Law Enforcement through Satellite Earth Observation - Privacy Conflicts from High Resolution Imaging, Proceedings of the ESPI/ISPRS/IAA/IISL Conference on Current Legal Issues for Satellite Earth Observation, Vienna 8-9 April 2010, ESPI Report 25, August 2010, ISSN 2218-0931
- Rainer Sandau: Implications of new trends in small satellite development. In: Kai-Uwe Schrogl, Spyros Pagkratis, Blandina Baranes (eds.), Yearbook on Space Policy: 2009/2010: Space for Society, Springer Wien NewYork, 2011, ISBN: 978-3-7091-0941-0

5.2. Chair functions of conferences, sessions, and roundtable discussions:

- Conf. co-chairs of the ISPRS/ESPI/IAA/IISL Conference on Legal Issues for Satellite Earth

Observation (Kai-Uwe Schrogl and Rainer Sandau)



Speakers at the conference (from left): Kai-Uwe Schrogl (ESPI), Ray Purdy (Faculty of Laws, University College London Bentham House), Catherine Doldirina (McGill University, Montreal), Jean-Michel Contant (IAA), Matxalen Sánchez Aranzamendi (ESPI), Gunter Schreier (DLR), Ed Parsons (Google Earth), Herbert Allgeier (Chairman of the ESPI Advisory Council), George Cho (Law Faculty of Applied Science, University of Canberra), Frans G. von der Dunk (Space and Telecommunications Law Program, University of Nebraska), Sai'd Mosteshar (London Institute for Space Policy and Law), Atsuyo Ito (Researcher, Tokyo), Rainer Sandau (ISPRS-IPAC), Jean-Francois Mayence (Belgian Federal Office for Science Policy), Tanja Masson-Zwaan (IISL), Jana Jentzsch (Attorney-at-law, Hamburg)

- Session chairs at the ISPRS/ESPI/IAA/IISL Conference on Legal Issues for Satellite Earth Observation (Kai-Uwe Schrogl and Rainer Sandau)
- Co-moderators of Roundtables at the ISPRS/ESPI/IAA/IISL Conference on Legal Issues for Satellite Earth Observation (Kai-Uwe Schrogl and Rainer Sandau)



Roundtable at the conference (from left): Rainer Sandau, Gunter Schreier, Ray Purdy, George Cho, Tanja Masson-Zwaan and Kai-Uwe Schrogl

- Roundtable member at the ISPRS/ESPI/IAA/IISL Conference on Legal Issues for Satellite Earth Observation (Gunter Schreier)
- Co-chairs of the Policy session at the ISPRS Commission VIII Symposium in Kyoto, August 9-12, 2010, (Irmgard Niemeyer and Frans von der Dunk)



Frans von der Dunk, Irmgard Niemeyer and Rainer Sandau representing IPAC at the Comm. VIII Symposium in Kyoto

- Conference chair of the joint ESPI/EA/ISPRS Conference “Remote Sensing Regional Climate Change – Potentials and Options to Adapt”, Vienna, 26-27 May, 2011 Kai-Uwe Schrogl



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 IASA 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)

- Roundtable member at the joint ESPI/EA/ISPRS Conference “Remote Sensing Regional Climate Change – Potentials and Options to Adapt”, Vienna, 26-27 May, 2011 (Gunter Schreier).



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

5.3. Invited papers:

- Rainer Sandau: Small Satellites – a capacity building driver, 3rd IAA African Regional Conference on Space for Africa, Abuja, Nigeria, Nov. 24-26, 2009
- Gunter Schreier, Berhard Schmidt-Tedd, Rainer Sandau: Fundamentals of Earth Observation Policy: Examples for German and European Missions. International Symposium on Space Policy and Coordination Framework at the Map Middle East 2010, March 23, 2010, Abu Dhabi
- Gunter Schreier: What's in GMES for treaty monitoring and law enforcement, Conference on Current Legal Issues for Satellite Earth Observation, Vienna 8-9 April 2010
- Gearge Cho: Overview on legal issues. Conference on Current Legal Issues for Satellite Earth Observation, Vienna 8-9 April 2010
- Rainer Sandau: Implications of new trends in small satellite development. 4th ESPI Autumn Conference, Vienna, 8-9 September 2010
- Gunter Schreier: International coordination in the use of remote sensing data. ESPI/EA/ISPRS Conference “Remote Sensing Regional Climate Change – Potentials and Options to Adapt”, Vienna, 26-27 May, 2011
- Rainer Sandau: Small Satellites – Status, Opportunities and Challenges. Keynote paper at the XXII ISPRS Congress, Melbourne. 25 Aug. – 1 Sept., 2012

5.4. Conference papers

- Chern, Jeng-Shing: Technical Considerations in Real Time Global Earth Rescue System of Systems (GERSS). Policy session at the Commission VIII Symposium in Kyoto, August 9-12, 2010
- von der Dunk, Frans: Current Legal Issues for Satellite Earth Observation in Europe - A Report from Vienna. Policy session at the Commission VIII Symposium in Kyoto, August 9-12, 2010
- Niemeyer, Irmgard: Supporting Non-Proliferation Treaties and Arms Control by Remote Sensing and Geoinformation Technologies. Policy session at the Commission VIII Symposium in Kyoto, August 9-12, 2010
- Niemeyer, Irmgard: Treaty Monitoring and Law Enforcement by means of Spaceborne Remote Sensing. Paper for the EO Forum at the XXII ISPRS Congress, Melbourne. 25 Aug. – 1 Sept., 2012

REPORT of AD-HOC GROUP ON STANDARDS by CHAIR WOLFGANG KRESSE

From 2008 to 2012 the Ad-hoc Group on Standards provided an important link between the ISPRS and the world of standardization. This world includes the ISO/TC 211, the OGC and GEOSS.

The Ad-hoc Group cooperated in the ISO project teams of ISO 19115-2:2009 “Metadata - Part 2: Extensions for imagery and gridded data”, ISO/TS 19130:2010 “Imagery sensor models for geopositioning”, ISO/TS 19130-2 “Imagery sensor models for geopositioning – Part 2: SAR/InSAR, Lidar and Sonar” (to be completed soon), and ISO/TS 19159-1 “Calibration and validation of remote sensing imagery sensors – Part 1: Optical sensors” (to be completed soon).

Since 2010 the Ad-hoc Group also officially represents the ISPRS as a liaison-member of the ISO/TC 211 “Geographic information / Geomatics”. A very practical outcome of this role are the semi-annual oral reports to the ISO/TC 211 plenary, which gives an excellent opportunity to make the wide spectrum of ISPRS-topics known to the important standardization community. The ISO/TC 211 plenary brings together always between 100 and 150 experts.

The Ad-hoc Group stays in touch and seeks cooperation with the Open Geospatial Consortium as this organization is deemed an ideal partner for the development of the application level standards for the

above mentioned more abstract ISO standards such as ISO/TS 19130, ISO/TS 19130-2, and ISO/TS 19159-1 (geopositioning and calibration). The strategy towards the intended OGC specifications was discussed in a teleconference in March 2011 and at the same time approved by the OGC president. A first face-to-face discussion is planned for the ISPRS Congress in Melbourne.

The Ad-hoc Group also links to GEOSS, the Global Earth Observation System of Systems. GEOSS is coordinated by GEO, the Group on Earth Observation. The GEO established the Standards and Interoperability Forum (SIF) to develop recommendations for standards in GEOSS. One of the main achievements of SIF is the installation of a standards registry. The Ad-hoc Group has been a member of SIF from its beginning and thus has a full documentation of SIF’s work. SIF meets every two weeks in a telecon. The Ad-hoc Group has taken part in only a few of the meetings but keeps a full documentation of the more than 100 meetings since 2007. More than 1700 files may be provided if requested.

The Ad-hoc Group organized a session and gave a report during the Commission I symposium in Calgary, Canada, in 2010.

REPORT of ISPRS REGIONAL REPRESENTATIVE for AFRICA by HUSSEIN FARAH and OLAJIDE KUFONIYI

1.0 Introduction

During the last Congress of the ISPRS held in August 2008 in Beijing, China, the General Assembly ratified the introduction of Regional ISPRS Representatives position to assist the ISPRS Council with coordination of activities in some regions. At that meeting, Dr. Olajide Kufoniya was nominated and appointed as the representative for the Africa. At the end of 2010 Dr. Kufoniya stepped down from his position. Dr. Hussein Farah was appointed the Regional Representative in January 2011 to replace Dr. Kufoniya.

The formal duties of the Regional Representative as given by the Status and Bylaws approved by Beijing Congress are as stated below:

- Liaise with Members and potential members within their region and represent the views of those members on Council.
- Make best efforts to ensure that at least one ISPRS meeting is held within the region during the inter-Congress period.
- Encourage members within their region to conduct activities to support the aims of ISPRS.
- Attend national and regional activities within their region and promote the aims and activities of ISPRS.

- e. Encourage countries and organizations within their region to become a member of ISPRS.
- f. Attend meetings of the Council and Advisory Board when invited.

The major activities have been organizing and attending ISPRS events and membership drive. The details of the activities are as follows:

2.0 ISPRS Events in Africa:

2.1 AfricaGIS 2009 Workshops

The following two (co-sponsored) ISPRS events took place during AfricaGIS 2009 conference from 26 – 30 October 2009 in Kampala, Uganda:

(a) A pre-conference workshop to explore Disaster Management and Humanitarian Assistance for the Global Earth Observation System of Systems – GEOSS Organised in association with ITC, UNEDRA, ICEO, OGC, UNSPIDER, and ISPRS from 23-25 October 2009.

(b) Two ISPRS TC VI Special Sessions on 27 and 28 October 2009 during the conference. Session 1 was on 'Frameworks and curricula for cross border education in Earth Observation and Spatial Information Sciences' while Session 2 was on 'Methods and best practices for e-learning in Earth Observation and Spatial Information Sciences'.

2.2 MoU with African Association of Remote Sensing of the Environment

A memorandum of understanding (MoU) between ISPRS and African Association of Remote Sensing of the Environment (AARSE) was signed during the General Assembly of AARSE on Thursday 28th October 2010 in Addis Ababa, Ethiopia by Prof. Ian Dowman (1st Vice President, representing ISPRS) and Dr. Tsehaie Woldai (President of AARSE at the time of signing, representing AARSE). Prof. Dowman represented ISPRS at the 8th biennial conference of AARSE in Addis Ababa, Ethiopia between 25 and 29 October 2010.

The MoU set out agreements for co-operation between the societies through exchange of information and collaboration in activities such as the organisation of joint meetings and recruitment of members and from time to time through joint projects and joint working groups.

2.3 MoU with EIS Africa

A similar MoU as above was signed between ISPRS and EIS Africa in October 2010. The MoU is to support the promotion of the use of Geospatial Science and Technology for sustainable development in Africa through organizing workshops during the biannual AfricaGIS conferences organized by EIS-Africa.

2.4 ISPRS Centenary Celebration:

On the invitation of Council, Dr. Kufoniya attended the ISPRS Centenary celebration and General Assembly in July, 2010 in Austria.

2.5 Workshop on Exploiting Global Geospatial Data Resources for Planning in Africa

The workshop was pre-conference event during the Committee on Development Information, Science and Technology (CODIST) meeting held in May 2011 in Ethiopia. The main objective of the workshop was to show how global data sets can be used in Africa and to explore the requirements for using geospatial data for planning purposes, and the resources available to generate the required products and services.

The workshop was attended by over 70 CODIST delegates drawn from different African countries. A series of presentations were made focusing on the theme of the workshop "Global geospatial datasets for Planning in Africa" The major outcome from the workshop was: the insight on the availability of global datasets, global geospatial portals, as well as new geospatial technologies, for harnessing the global datasets for sustainable development. The workshop was organized jointly with United Nations Economic Commission for Africa (UNECA), Google, ESRI, EIS Africa, Regional Centre for Mapping of Resources for Development (RCMRD), EIS-Africa and AARSE.

2.6 Planned Events in 2012

There are two events scheduled for August 2012 and October 2012. The first is 5 day training on Free Open Source Geospatial Software to be held in Nairobi, Kenya 20-24 August 2012. In recent years the use of Earth Observation (EO) in the GEOSS societal benefit areas and in the support to sustainable development has been increasing at a fast pace in Africa. Free open geospatial source software will greatly contribute to the update and wider use of geospatial information in our region. This will be a big boost to our efforts for wider use of geospatial information in all sectors of national development in Africa.

The second event will be one day workshop Exploiting Global Geospatial Data Resources for Planning in Africa to be held during the African Association of Remote Sensing of the Environment (AARSE) conference to be held in Morocco 29 October - 2 November 2012. The workshop will be a continuation of a similar successful workshop held in May 2011.

2.7 ISPRS Technical Commissions and Working Groups events

ISPRS Technical Commissions and Working Groups are hereby encouraged to organize events (seminars, workshops, special sessions) in Africa. These are best organized as special sessions, pre-conference or post-conference events during the biennial conference of the African Association of the Environment (AARSE) (October of even numbered years) or that of AfricaGIS (around October of odd numbered years). For more information, please contact the ISPRS Regional Representative for Africa.

3.0 Membership Drive:

Africa has a total of 27 members, comprising of 17 Ordinary members, 1 Associate member, 6 Regional members and 3 Sustaining members. Membership drive

continues with distribution of hand bills at events and discussions with relevant organizations. There were only two organizations that joined as members since 2008. Membership drive efforts will be increased in 2012 and 2013. Two events in 2012 and two in 2013 will be used to carry out membership drive.

In 2012 there will be AARSE conference and Council of Ministers meeting of Regional Centre for Mapping of Resources for Development (RCMRD). Through AARSE conference up to five hundred (500) participants representing many government, research and educational institutions will be reached.

In the Council of Ministers meeting of RCMRD, eighteen (18) countries from the eastern and southern Africa region will be represented and various National Mapping Organizations (NMO) will attend the meeting, this will be an opportunity to inform the

NMOs to be members. The meeting is scheduled for November 2012 and will be held in Zambia.

The two events to be held in 2013 are Committee on Development Information, Science and Technology (CODIST III) meeting and AfricaGIS conference. CODIST III brings together National Mapping Organization of Africa and other institutions dealing with mapping, statistics, science, technology and ICT. CODIST III will take place in May 2013 in Addis Ababa, Ethiopia. AfricaGIS is an African event which usually brings together the Geomatic Community in Africa. Five hundred (500) participants are expected to attend. The conference is scheduled to take place in October/November 2013.

In each of the four events mentioned above, a booth will be manned to display ISPRS information materials and inform participants of ISPRS membership and activities.

REPORT of ISPRS REGIONAL REPRESENTATIVE for SOUTH-EAST ASIA by NGUYEN DINH DUONG

South East Asia is a subregion of Asia, consisting of 12 countries of Asia; Cambodia, Laos, Myanmar, Thailand, Vietnam and Malaysia, Brunei, East Timor, Indonesia, Philippines, Christmas Island, and Singapore. Only 7 countries are members of the ISPRS: Brunei Darussalam, Indonesia, Malaysia, Myanmar, Philippine, Thailand and Vietnam.

Before October 2009, the Representative of this region was Dr. Suvit Vibulsresth from GISTDA, Thailand. Dr. Nguyen Dinh Duong, Institute of Geography, Vietnam was nominated as successor after Dr. Suvit Vibulsresth retirement.

During the period from October 2009 up to now, several activities have been carried out.

- The SEA regional representative had attended the ISPRS Centenary Celebration in Vienna where he made brief report on status of the ISPRS in the region.
- The SEA regional representative had attended ISPRS Council and Joint meeting 16-20 April, 2012.



- A meeting with regional members had been organized during the ACRS 2010 which was held 1-5 November 2010 in Hanoi. Participants from Vietnam, Thailand, Indonesia, Philippine, Japan, England and Switzerland had joined the meeting.

- SEA Regional representative works closely with ISPRS WG VI/5 and successfully organized the 5th

ISPRS Summer School in Hanoi just after the ACRS2010. ISPRS summer school was organized in Taiwan in 2011 and will be organized in Thailand after ACRS2012.



- The SEA Regional representative was actively involved in organization of the UNOOSA workshop "Space Technology Applications for Socio-Economic Benefits" which was held in Hanoi 10-14 October 2011. The workshop was organized by UNOOSA, NASA, ESA and ISPRS and hosted by the Vietnam Academy of Science and Technology. ISPRS President Prof. Orhan Altan and Dr. Stan Morain participated in the workshop.



- The SEA regional representative has convinced the Vietnam Association of Geodesy, Cartography and Remote Sensing VGCR to become new sustaining ISPRS member.

In the next term of Regional Representative for South East Asia the following activities are planned:

- Reestablish communication between ISPRS and Regional Representative with existing

ISPRS Members in the region and establish communication with Laos and Cambodia.

- To coordinate various join activities between the Asian Association on Remote Sensing and ISPRS for example ISPRS summer school, caravan training, etc.
- To promote ISPRS in the region through organization of ISPRS special session during Asian Conference on Remote Sensing.

List of participants of the 1st ISPRS SEA regional members during the 31st ACRS, 1-5 November, 2010

No	Name	Organization
1	E. Baltsavias	ETH Zurich, Switzerland
2	Ian Dowman	UCL, London, UK
3	Kohei Cho	Tokai University, Japan
4	Virgilio Santos	FF Cruz3 Co. Inc
5	Nguyen Cam Van	Vietnam Association of Geodesy, cartography and remote sensing
6	Le Minh Hang	Le Quy Don University, Vietnam
7	Surachai Ratanasermping	GISTDA, Thailand
8	Supapis Polgnam	GISTDA, Thailand
9	Fahmi Amhar	ISI Indonesia Survey Association
10	Nguyen Hanh Quyen	Space Technology Institute, Vietnam
11	Nguyen Dinh Duong	Institute of Geography, Vietnam

REPORT of ISPRS REGIONAL REPRESENTATIVE for LATIN-AMERICA by MIKE RENSLow

During the 2008-2012 Inter-Congress period, the Treasurer represented ISPRS Council by attending and participating in three activities: the International Association of Geodesy 2009 Annual Conference in Buenos Aires, Argentina, the SELPER Bi-annual Conference in Guanajuato, Mexico in 2010, and the MundoGeo#Connect 2011 Annual Conference held in San Paulo, Brazil. Other ISPRS council members also attend some events in Latin-America these four years. The following is a summary of these activities.

International Association of Geodesy 2009 Annual Conference

The attendance was ~500 representing 65 countries with 280 oral presentations selected from 500 abstracts for the IAG Conference "Geodesy for Planet Earth." At the opening session, I was formally introduced, and afterwards met briefly with Michael Sideris of IAG and Tom Beer of IUGG to discuss inter-society activities and cooperation.

On the second day of technical sessions, I presented a paper organized by ION/FIG/ISPRS titled: "The Impact of Technology Development, Innovation, and

Nontraditional Mapping Applications." The presentation was well received and resulted in many questions about emerging technologies and ISPRS activities.

ISPRS presence at this conference was well-received and strengthened our relationship and coordination with a similar science-based organization.

SELPER Bi-annual Conference

The 2010 SELPER conference occurred in November with good attendance of about 170 at the opening session. Immediately following the opening session, Dr. Emilo Chuvieco made his presentation on "The General Perception of Global Sensing." My presentation "ISPRS: 100 Years of Service Providing Information from Imagery" was the last of the morning sessions. The language of the conference is Spanish, and I had the assistance of an interpreter. Students were very well represented as volunteers supporting the meeting logistics and regular attendees.

The afternoon education session began with a keynote address by Dr. Luis Agripinon, Rector del Campus

Guadjerto de la Universidad de Guadjarto who I met with on behalf of ISPRS.

On Monday afternoon, I attended the SELPER Business Meeting; there were representatives from Cuba, Venezuela, Mexico, Brazil, Peru, France, and Columbia (25 participants). There was a report from the International Relations Committee at which I presented the ISPRS viewpoint in supporting SELPER. Each committee and country presented a summary of their recent activities which carried over to Tuesday. Dra. Silvia Casas became the SELPER president at the end of the meeting. Some discussion items relate to ISPRS support for SELPER members:

- Pedro Martinez (Cuba) has requested ISPRS presence at the 7th International Congress of Geomatics from 07-11 February, 2011.
- There was a discussion on having an ISPRS designate a liaison specifically for SELPER; ISPRS may receive that request soon.
- There is a Memorandum of Understanding between SELPER and LARS to cooperate on future meeting dates and avoid schedule conflicts.

Generally speaking, the technical program was very strong with 164 technical presentations and two keynotes each day. I was able to speak individually to about 20 students who are very interested in ISPRS. Several other attendees were very interested in the Melbourne Congress, the availability of resources on the ISPRS webpage, and future participation in ISPRS Working Groups.

Myriam Ardila (ISPRS Regional Representative) was very supportive in making my attendance a success; unfortunately she passed away in November 2011.

MundoGeo#Connect 2011 Annual Conference

The 2011 MundoGEO#Connect Conference was held in the Frei Caneca Convention Center in downtown Sao Paulo. During the three-day conference over 3,500 attendees participated in the exhibit and technical sessions. Many of the conference program workshops and webinars were available on-line with an attendance of over 14,000.

The program for each day included a panel session, two keynote speakers, and parallel technical paper presentations. In total, there were six keynote presentations, three panel sessions, and 47 papers - all of these sessions were well attended. In the exhibit hall there were 34 firms/institutions represented - the layout

and composition of the exhibit hall was first class and very impressive. There was strong presence by the remote sensing and GIS practitioners and exhibitors. Also during the three days, there were parallel mini-courses focusing on file management systems, rural parcel geo-coding, and geo-marketing. On the final day of the conference, there was a special Google Earth webinar with 1,000 participants (3500 had signed up but only 1000 could participate at once). In general, the entire conference was very well organized.

My ISPRS Keynote presentation was on the final day during the morning session. Since ISPRS was new to nearly everyone at the conference, I presented an overview of the Society, how we are organized, the services we offer, the Centenary in Vienna, and the Melbourne Congress. I estimated the attendance at this session to be 250.

I did meet several times with Emerson Granemann, the MundoGEO organizer, to discuss the future relationship with ISPRS. MundoGEO is the largest meeting of its kind in South America, and offers a good opportunity to expose ISPRS to this geospatial community. In the future, ISPRS could participate in the technical program, receive a no-cost booth in the exhibit hall, and have printed material placed in the registration materials.

I would recommend that ISPRS be present at future MundoGeo#Connect meetings and promote the society's leadership in geospatial science. This venue is another example of ISPRS increasing its involvement in Latin America.

Workshop on Mobile Mapping Technology

Prof. Ian Dowman, ISPRS First Vice President attended the workshop in Presidente Prudente, Brasil in 2009 and gave a Keynote presentation and also met with people from Chile to discuss LARS.

LARS

The Latin American Remote Sensing conference was held in Santiago Chile in October 2010. The meeting was organised by the Chilean Airforce Photogrammetric Service (SAF) with support from ISPRS. Prof. Orhan Altan, ISPRS President and Prof. Ian Dowman, ISPRS First Vice President attended the meeting. LARS will be held again in 2013 with support from ISPRS.

In addition, ISPRS organised a workshop on Forestry at the conference with IEEE.