

## **International Association of Geodesy (IAG) Annual Report 2010**

Home: <http://www.iag-aig.org>, Office: <http://iag.dgfi.badw.de>

### **INTRODUCTION**

IAG is structured into four Commissions, fifteen scientific Services, the Global Geodetic Observing System (GGOS), the Inter-Commission Committee on Theory (ICCT), and the Communication and Outreach Branch (COB). The Commissions are divided in Sub-commissions, Projects, Study and Working Groups. The Services have their Operation, Data and Analysis Centres and may install Working Groups for specific tasks. The administration is supervised by the Council and operated by the Bureau, the Executive Committee and the Office. All these entities are in steady contact and inform each other about their activities at the Executive Committee meetings, and through the IAG Newsletter and the bi-annual IAG Reports (Travaux de l'AIG).

### **ADMINISTRATION**

#### **IAG Council**

The list of national representatives forming the IAG Council was regularly updated in contact with the IUGG Secretary General. Doubtful nominations (double, questionable) were cleared up. The Council was regularly informed about activities of the Bureau and the Executive Committee. The Council was invited to nominate candidates for the upcoming elections of the IAG Executive Committee and the IAG Awards to be granted at the General Assembly 2011.

#### **IAG Executive Committee (EC)**

The IAG EC met twice in 2010, namely in Vienna, Austria, 2 May 2010, and in San Francisco, California/USA, 12 December 2010. The meeting summaries are published in the IAG Newsletter in the IAG Journal of Geodesy (Springer Verlag), and online in the IAG Homepage (<http://www.iag-aig.org>) and the IAG Office Homepage (<http://iag.dgfi.badw.de>). Important topics were the revised structures of GGOS and some of the Services, the sponsoring of symposia, the preparation of the IUGG General Assembly 2011, and the links to other organizations (e.g. FIG, GEO, JBGIS, IHO, ISO, and UN-OOSA).

#### **IAG Bureau**

The IAG Bureau, consisting of the President, the Vice-President and the Secretary General, made the day-to-day decisions via Internet and held regular teleconferences. Formal meetings were held in Vienna, 3 May 2010, and San Francisco, 11 December 2010. The IAG President was particularly active in the supervision of GGOS and some of the Services. The Vice-President represented IAG at the 16th Annual Meeting of the Permanent Committee on GIS Infrastructure for Asia and the Pacific (PCGIAP), Singapore, 18-22 October 2010, and at the Centenary Celebration of the International Society of Photogrammetry and Remote Sensing (ISPRS), Vienna/Austria, 4 July 2010. The IAG Secretary General represented IAG at the Nordisk Geodetic Commission Meeting, Hoenefoss/Norway, 27-29 September 2010.

### **ACTIVITIES**

#### **IAG Office**

A main activity of the IAG Office was the preparation of the IAG participation in the IUGG General Assembly 2011. Publications of the Journal of Geodesy and the Proceedings in the IAG Symposia series, both in Springer-Verlag, were supervised. Travel grants were assigned

to young scientists for several symposia. The personal IAG memberships were regularly updated, the membership fee was collected. IAG EC meetings were prepared including detailed minutes for the participants and meeting summaries for publication in the Internet and the IAG Newsletter.

### **Communication and Outreach Branch (COB)**

The COB maintained the IAG Homepage and published the monthly Newsletter online and in the Journal of Geodesy. Since July 2010 the IAG newsletter is also sent to the Presidents and Secretaries General of the IUGG Associations and JBGIS members. A main outreach activity is the distribution of the IAG leaflet and IAG brochure among institutions and at meetings.

### **Commissions and Inter-Commission Committee**

The four IAG Commissions and the Inter-Commission Committee on Theory (ICCT) are maintaining their individual Homepages. Some of the Commissions held symposia and meetings (see below). They organized some IAG symposia at the IUGG General Assembly 2011 and participated in preparing joint symposia.

### **Services**

The fifteen IAG Services are maintaining their own Homepages (all easily accessible via <http://iag.dgfi.badw.de>) and data servers, and they hold their administrative meetings (Directing Board or Governing Board, respectively). Several Services held international meetings (see below) and participated in the preparation of symposia at the IUGG General Assembly 2011.

### **Global Geodetic Observing System (GGOS)**

GGOS held a planning meeting (retreat) in Miami, Florida/USA in February 2010. A new structure of GGOS was established including a Coordinating Office, two Bureaus, and several Working Groups. Steering Committee meetings were held on this occasion on February 4, in Vienna, Austria, on May 5, and in San Francisco, California/USA on December 11. A GGOS Inter-Agency Committee is being established to support the sustainability of GGOS. Officers of GGOS participated in the GEO Plenary VII and Ministerial Summit 2010 in representation of IAG as a participating organization in GEO.

### **Cooperation with other Organisations**

IAG maintains close cooperation with several organizations outside IUGG. In 2010 there were meetings with the Advisory Board on the Law of the Sea (ABLOS, together with IHO), Group on Earth Observation (GEO, with IAG as a participating organization), International Standards Organization (ISO, with IAG represented in TC211 Geographic Information / Geomatics), Joint Board of Geospatial Information Societies (JBGIS), United Nations Offices for Outer Space Affairs (UN-OOSA, with participation in Space-based Information for Disaster Management and Emergency Response, UN-SPIDER, and International Committee on Global Navigation Satellite Systems, ICG).

### **Meetings**

Important meetings of IAG components and IAG sponsored bodies in 2010 were:

- International VLBI Service for Geodesy and Astrometry (IVS) 2010 General Meeting, Hobart, Australia, February 07-14, 2010;
- V Congreso Internacional de Agrimensura, Havana, Cuba, March 02-05, 2010;

- Geophysics, Geodesy and Tectonics of the North Africa Plate Boundary for Better Earthquake and Tsunami Hazard Assessment, Algiers, Algeria, May 15-21, 2010;
- European Reference Frame (EUREF) 2010 Symposium, Gävle, Sweden, June 02-06, 2010;
- Second Workshop on Application of Artificial Intelligence and Innovations in Engineering Geodesy, Braunschweig, Germany, June 16, 2010;
- Beacon Satellite Symposium, Barcelona, Spain, June 07-11, 2010;
- IAG School on Reference Frames, Aegean University, Mytilene, Lesbos, Greece, June 07-12, 2010;
- IAG Symposium on Terrestrial Gravimetry: Static and Mobile Measurements, St. Petersburg, Russia, June 22-25, 2010;
- 10th International Geoid School, St. Petersburg, Russia, June 28 – July 02, 2010.
- IGS Workshop and Special Workshop on Vertical Rates from GPS, Newcastle, UK, June 28 – July 2, 2010;
- 15th General Assembly of WEGENER, Bogazici University, Istanbul, Turkey, September 14-17, 2010;
- 2nd General Assembly of the IGFS - International Gravity Field Service Fairbanks, Alaska, USA, September 20-22, 2010;
- IAG Commission 1 Symposium 2010. Reference Frames for Applications in Geosciences (REFAG2010), Marne-La-Vallée, France, October 04-08, 2010;
- 9th International e-VLBI Workshop, Perth, Australia, October 10-20, 2010;
- IGCP 565 Workshop 3: Separating Hydrological and Tectonic Signals in Geodetic Observations, Reno, Nevada, USA, October 11-13, 2010;
- International DORIS Service (IDS) Workshop, Lisbon, Portugal, October 21-22, 2010;
- Observing and Understanding Earth Rotation, Shanghai, China, October 25-28, 2010;
- Sixth ABLOS Conference, Monaco, Monaco, October 25-27, 2010;
- Second SIRGAS School on Reference Systems, Lima, Peru, November 08-10, 2010;
- SIRGAS 2010 General Assembly, Lima, Peru, November 11-12, 2010.

## **Publications**

The monthly issues of the Journal of Geodesy were continuously published in Springer-Verlag. The proceedings of the IAG Symposium on Gravity, Geoid and Earth Observation were published in the series of IAG Symposia at Springer-Verlag. The proceedings of the IAG Scientific Assembly in Buenos Aires 2009 were compiled and are in press.

## **Awards, anniversaries, obituaries**

Several travel awards were granted to young scientists (not older than 35 years). An obituary was written for Leif Svensson, Sweden, an outstanding geodesist who passed away in 2010.

## **PLANNED AND FUTURE ACTIVITIES**

The most important activities are related to the IUGG General Assembly in Melbourne. They will concentrate preparation and execution of the symposia and on the installation of the new structures of the IAG Commissions after the elections becoming effective during the IUGG General Assembly. A focus will be laid on GGOS, whose new structure with three principal themes has to be consolidated. IAG Components will actively participate in meetings during interdisciplinary assemblies (e.g., American Geophysical Union, European Geosciences Union, Fédération Internationale des Géomètres, International Astronomical Union).

Hermann Drewes, IAG Secretary General