

# Report of Commission 3 for IAG Spring 2006 meeting

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We do meetings during the EGU. We did last time and we will do tomorrow.

Generally speaking, everything went well concerning the Cairns proceedings.

I had a great help from Paul Tregoning. When I was not there he was there and when he was not there I was there. So this was perfect.

The Commission decided to create a WG related to InSar, as we thought that this would be important. We had written terms of reference even. It was pointed out to us that something like that existed within Commission 4: a Sub-Commission 4.4 on Applications of Satellite & Airborne Imaging Systems. So we contacted the responsible, Dr. Xiaoli Ding, and decided to create a joint WG.

Here below the sub-commission reports that I have received.

## **1. IAG Sub-Commission 3.1: Earth tides - Prof. Dr. Gerhard Jentzsch:**

Last week we had three workshops in Jena:

- Precise tidal prediction (Tamura)
- Analysis of tidal data from superconducting gravimeters and deformation observations regarding geodynamic signals and environmental influences (Kroner)
- GGP-workshop (Crossley)

There were nearly 40 participants from all over the world (Canada, USA, Japan, China, South Korea, Egypt, as well as different European countries. All presentations will be available on our website, and they will be prepared for publication in BIM. There are discussions concerning the move of ICET to another place (please contact Bernard Ducarme).

As you already know, the Earth tides sub-commission intends to organize the next Earth Tide Symposium as a joint symposium of all working groups of Commission 3 and inter-commission study groups (Rüdiger Haas).

## **2. IAG Sub-Commission 3.2: Crustal Deformation – Markku Poutanen**

During the IAG Dynamic Planet meeting in Cairns, August 2005, the steering committee had a meeting. They discussed the future plans of the group, and the connections to the WEGENER group. Susanna Zerbinì is a member of the WEGENER governing board (Working group of European Geoscientists for the Establishment of Networks for Earth science Research, chaired by L. Bastos) and participates on the work of WEGENER.

The Permanent Working Group *Geodynamics of Central Europe*, has continued the studies on geotectonic regions of Central Europe. The formal membership list of the WG includes 29 scientists from 12 European countries. The programme of the WG (Plan of Action for 2003-2006) includes a series of programs related to particular areas such as the 'Central Europe Regional Geodynamics Project' or the 'Post-UNIGRACE action (Unification of gravity system in Central and Eastern Europe)', as well as local geodynamic projects such as the 'Geotectonic Analysis of the Region of Central Europe' or projects realized in bilateral/multilateral agreements of CEI countries.

Markku Poutanen participated on the planning of the Antarctic geodynamics plan POLENET: Polar Earth Observing Network for IPY. It is an international plan, chaired by Terry Wilson of OSU, and proposed as an IPY project for the International Polar Year programme. One of the goals is to study present-day motions on Antarctica.

A joint symposium of SC3.1, 3.2 and 3.3 is planned to be held in September 2008 in Jena. Chairman of the SC3.1, Gerhard Jentzsch is the chairman of the organizing committee.

Markku Poutanen is the representative of the Commission 3 in the GGOS Steering Committee, and Susanna Zerbini is the GEO Committee representative. GGOS will be the most important single effort in geodesy in the coming decade, thus contributing also on the crustal deformation studies. Report of the GGOS steering committee meeting in Munich February 2006, has been submitted to the Commission 3, and can be found in the Web pages of the SC3.2 (see below).

### **3. Report of Sub-commission 3.3 on 'Geophysical Fluids'**

Meeting in Luxembourg on almost regular basis.

### **4. Report of intercommission project 3.1 on 'GGP' – David Crossley**

They had a meeting in Jena last week.

### **5. Report of intercommission project 3.2 on 'WEGENER' - Susanna Zerbini**

As regard to the WEGENER intercommission project, the main activities in the past few months has been the organization of the forthcoming September general assembly and the relevant fund raising. They were able to raise a rather good budget also with a generous NASA contribution due to the continuous support to WEGENER by John LaBrecque. Susanna Zerbini is still waiting for an ESA's answer which seems more difficult. Jean-Mathieu Nocquet was also able to obtain local and national funds. The GEODAC activities are progressing and an effective collaboration has been established between the

group of WEGENER and the sub-commission on crustal deformation, as regard to loading deformation for instance. It is foreseen that GEODAC will provide such computations for those stations in the WEGENER geographical area which are not EUREF stations.

There will be on Wednesday 13.30-15h, Room 2, a WEGENER 'core group' meeting to which everybody is invited.