EUREF,GGOS and ongoing international activities (GEO/GEOSS, GMES, INSPIRE)

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- GGOS
- GEO/GEOSS
- GMES
- INSPIRE
- Conclusions

GGOS

- IAG Project (previously named IGGOS)
- Approved at the Sapporo General Assembly
- Various WGs
- 1st Workshop in Potsdam on March 1-2
- GGOS and GEO

GGOS Vision

- IGGOS integrates different techniques, different models and different approaches in order to achieve a better consistency, long-term reliability and understanding of geodetic, geodynamic and global change processes.
- IGGOS provides the scientific and infrastructure basis for all global change research in Earth sciences.
- In the frame of IGGOS, the Earth system is viewed as a whole by including the solid Earth as well as the fluid components, the static and time-varying gravity field in its products.
- IGGOS is geodesy's contribution (products and discoveries) to Earth sciences and the bridge to the other disciplines; it asserts the position of geodesy in geosciences.
- IGGOS integrates the work of IAG and emphasizes the complementarity of the broad spectrum of geodetic research and application fields.

GGOS Mission

. collect, archive and ensure the accessibility of geodetic observations and models;

- to ensure the robustness of the three fundamental fields of geodesy, namely
- * geometry and kinematics,
- * Earth orientation and rotation, and
- * gravity field and its variability;
- to identify a consistent set of geodetic products and to establish the requirements concerning the products' accuracy, time resolution, and consistency;
- to identify IAG service gaps and develop strategies to close them;
- to stimulate close cooperation between existing and new IAG services,
- to promote and improve the visibility of the scientific research in geodesy;
- to achieve maximum benefit for the scientific community and society in general.

GEO/GEOSS

- The Group on Earth Observations (GEO) is an intergovernmental group established at the Summit on Earth Observation in Washington DC on july 2003
- Full information in its Web site
 - <u>http://earthobservations.org/</u>
- GEO includes numerous nations (currently 55), the EC and several international organizations (currently 40), including IAG

- GGOS ensures the operational interface between IAG and GEO
- At the GEO-6 meeting in Brussels on 13-14 march 2005
 - A new GEO organization was adopted: scretariat, WGs
 - The Global Earth Observation System of Systems (GEOSS) 10-Year Implementation Plan was adopted

GMES

- Joint EC-ESA initiative on Global Monitoring and Security
- Links with GEOSS
- EPIGGOS
 - European partners in GGOS
 - GAGOS and EC recognition
- New FP6 call, including INSPIRE

INSPIRE

- Initiative on creation of a European spatial information infrastructure that delivers to the users integrated spatial information services. These services should allow the users to identify and access spatial or geographical information from a wide range of sources, from the local level to the global level, in an interoperable way for a variety of uses. The target users of INSPIRE include policymakers, planners and managers at European, national and local level and the citizens and their organisations. Possible services are the visualisation of information layers, overlay of information from different sources, spatial and temporal analysis, etc.
- First target: environment, later multiple-uses (transports...)
- EU Directive
- GMES should be compatible with INSPIRE

• Infos at http://inspire.jrc.it/home.html

Conclusions

- EUREF participation to GGOS
 - In WGs
 - In EPIGGOS and GAGOS
- For GMES:
 - GAGOS
 - INSPIRE
- For INSPIRE
 - Establish an ad hoc WG
 - Answer the the new Call?