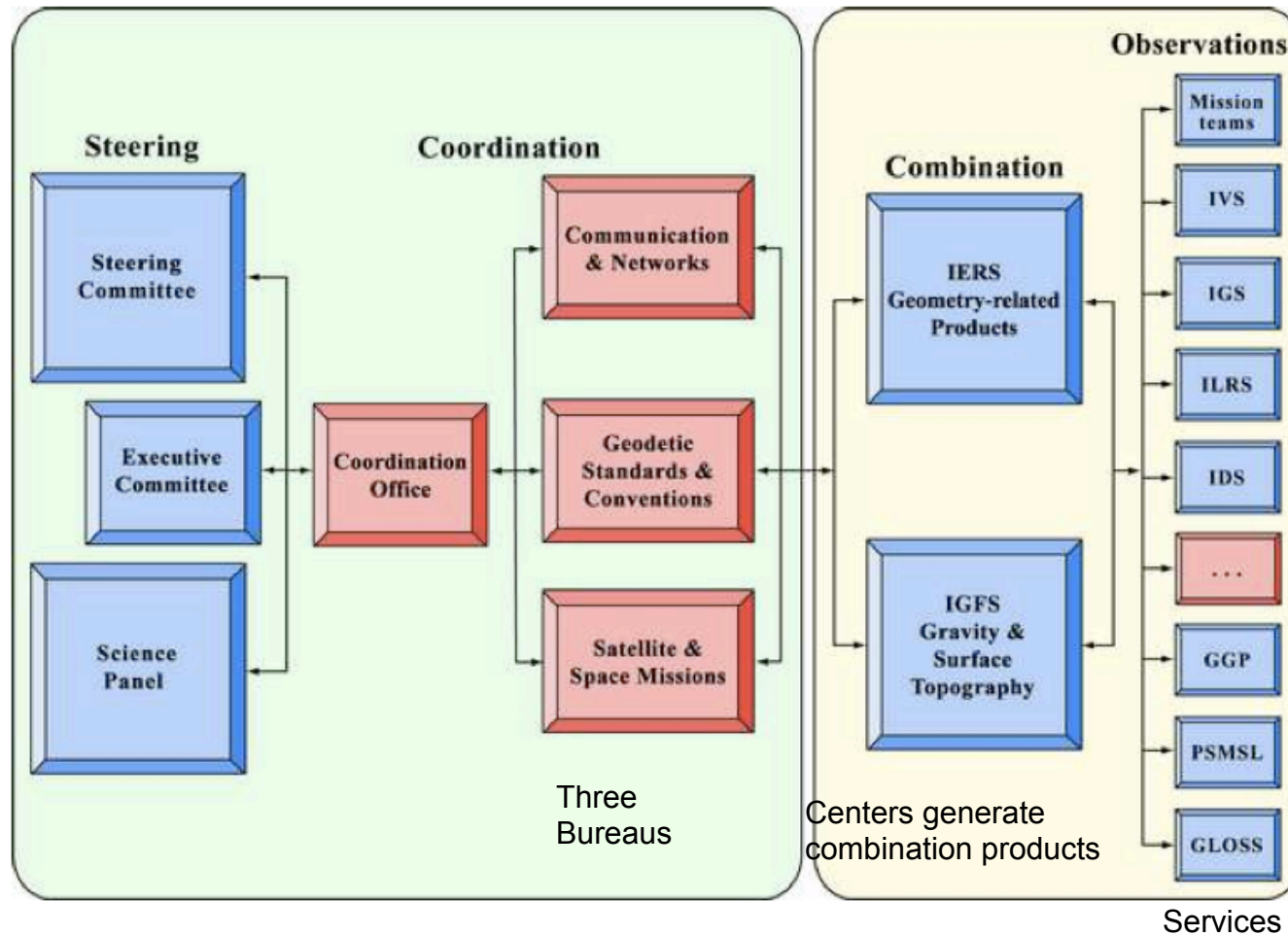


GGOS Reorganization

- GGOS is now a permanent entity of the IAG; responsible for organizing the ground networks and their integrated products;
- As such, some of rule have changed; things like “Working Groups” are not allowed;
- Reorganize to be a little more formal, a little more process oriented, and to recognize more strongly the role of the Services.
- One Impact: We will have Bureaus supported by Task Forces and Standing Committees instead of Working Groups – same kind of work, but more tasks

GGOS Reorganization



April 16, 2008
Vienna

GGOS Working Group on Ground
Networks and Communications|

Calls for Proposals

- Entities involved:
 - Bureau of Satellite and Space Missions;
 - Bureau of Networks and Communications;
 - Bureau of Geodetic Standards and Conventions;
 - IGFS Gravity and Surface Topography Center;
 - Central Coordinating Center;
- Guidelines for the Bureaus:
 - Call to be issued in August timeframe; responses in November timeframe;
 - Not too many people, Supported by Task Forces and Standing Committees;
 - Provide their own funding (internal, sponsored, ---).
- Bottom Line – Bureau of Networks and Communications will take over from the Working Group

Charter

- Develop a strategy to design, integrate and maintain the fundamental geodetic network of co-located instruments and supporting infrastructure in a sustainable way to satisfy the long term (10 - 20 years) requirements identified by the GGOS Science Council;
- At the base of GGOS are the sensors and the observatories situated around the world providing the timely, precise, and fundamental data essential for creating the GGOS products;
- Primary emphasis must be on sustaining the infrastructure needed to maintain the evolving global reference frames, while at the same time ensuring the broader support of the scientific applications of the collected data;
- Synergistic opportunities to better integrate or co-locate with the infrastructure and communications networks of the many other Earth Observation disciplines organized under GEOSS should be considered and exploited;

Bureau Tasks

- Promote communication and integration among the Services by regular meetings, telecons and web postings; the services should provide an official liaison (Network Coordinators?) to the Bureau to support information flow and coordination among the services and with the Bureau;
- Develop and maintain a ground network station information base and data product directory;
- Develop a model that predicts the accuracy and stability of the reference frame as a function of the number of co-located SLR, VLBI and GNSS stations, their geographic distribution, their data quality and yield, and other properties to address GGOS requirements; utilize the model to provide guidelines for the design of the core ITRF network;
- Estimate the size and distribution of the GNSS network necessary to provide reference frame access globally, commensurate with GGOS requirements;
- Work with the Satellite Missions Bureau to establish the design of the ground network needed to meet mission POD requirements;
- Work with the IGFS to define its network requirements and to scope the size and geometry of the IGFS ground network;

Bureau Tasks - continued

- Establish and maintain a data base of collocation survey vectors, data and procedures used to infer these vectors, and a data base of misclosures between the collocation vectors and the analysis results;
 - Provide quality control for survey procedures and analysis,
 - Facilitate surveys at critical collocation stations as necessary,
 - Work with the IERS and the technique services to resolve the misclosures;
- Seek an effective way to monitor inter-technique vectors at co-location sites;
- Maintain a data base for collocation-vector time series;
- Identify and facilitate the communications services necessary to support data flow from the stations through to archiving of data and data products;
- Establish a data base of the meteorological instruments, measurements, and procedures at all network stations; review the information for consistency and establish standards for meteorological measurements.

Bureau Organization

- Tasks of a permanent nature will reside within the Bureau; Tasks of temporal nature maybe delegated to task forces or standing committees;
- The Bureau will be headed by a director and will include a secretariat to attend to administrative, communications, data base and web support;
- The Bureau will include such expertise as is necessary to conduct Bureau business and provide guidance and oversight to the supporting entities;
- The Bureau must have official representation from all of the relevant IAG Services and Commissions to act as liaison with the Bureau;
- The Bureau Head will be a member of the GGOS Steering Committee (pending).
- The Bureau will report to the GGOS Steering Committee.

GGOS Call for Proposals

- **Resources**

- funds required for the Bureau to be provided by the proposing institution and those institutions supporting the Bureau activities;
- proposer may also solicit support from external entities in terms of financial contributions and expertise;

- **Term**

- four year appointment;
- may be terminated by either party with 6 months notice;
- term will be automatically renewed, unless either party gives notice 6 months prior to the end of the term.