

GGOS Bureau of Networks and Observations Implementation Plan

Mike Pearlman

mpearlman@cfa.harvard.edu

GGOS Bureau of Networks and Observations

Technical University of Vienna

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- Focus primarily on the geodetic networks and the functions that support them, and in some cases the disposition of their products.
- At the moment we have the network requirements for the support of the Terrestrial Reference Frame (TRF).
- Work is underway with the IGFS to define the gravity field requirements and data products; also tide gauges;
- The measurement requirements for other themes and focus areas should be included once they are defined;
- Work with the Bureau of Products and Standard (BP&S), and the Focus Areas to quantify new network requirements.

- Monitor and project the status and evolution of the space geodesy network and project future network performance capability base on the knowledge and plans that we have,
- Advocate for implementation of the global space geodesy network of sufficient capability to achieve data products essential for GGOS;
- Organize a multi-technique community for the services to work and plan together;
- Document information on networks and infrastructure
- Help provide guidance and make recommendations;
- **But – network deployment, upgrade, and operations is all done by the network participants and funded by the respective agencies.**

- **Complete the Bureau Implementation Plan for 2017- 2019**
- **Provide a venue for the services, committees and joint working groups** to share and discuss plans, progress, and issues; develop and monitor multi-entity efforts to address GGOS requirements;
- **Actively promote and encourage** maintenance, upgrading and expanding of the global geodetic ground-based infrastructure needed to meet requirements for GGOS;
- **Maintain “Requirements for GGOS Core Sites” document** (with the IAG services);
- **Monitor and project the status and evolution** of the GGOS space geodesy network in terms of location and performance (with the IAG services); (Next survey August 31, 2017);
- **Continue Bureau’s “Call for Participation in the Global Geodetic Core Network”**; work with new groups interested in participating; meet with interested parties; encourage partnerships;
- **Encourage/facilitate integration of other ground networks** (gravity field, tide gauges, etc.) into the GGOS network to support GGOS requirements; advocate for installation of GNSS receivers at appropriate tide gauges;
- **Work with the GGOS BP&S to define networks requirements** for new and improved data products (e.g. gravity field, etc.) and to seek ways of implementing and encouraging deployment of the field measurement systems;

- Standing Committee on Performance Simulations & Architectural Trade-Offs (PLATO) (Joint with IAG Commission 1) – Next meeting Thursday 11:00 – 13:00;
Use analyses and simulation techniques to model and predict network performance based on projected station configurations and capability including the co-location opportunities in space; examine options and trade-offs for network planning and data product improvement;
- Standing Committee on Satellite Missions
Advocate and improve communications with current and future space missions that may enhance GGOS activities;
- IERS Working Group on Survey Ties and Co-location (IERS WG)
Support site tie and eccentricity information and archiving, improve survey standards and procedures, and outreach to expand the survey community that currently supports the networks;
- Standing Committee on Data and Information
Design and implement a GGOS metadata system that is discoverable and interoperable, easily transferable/shared via web services, and based on internationally recognized data exchange methods

- Agreement that the format of the IP should be simplified
- Introduce: “What am I doing for GGOS?”

- Do we have the right tasks?
- Are we addressing the properly?
- Are there others tasks that should be included?
- Should some present tasks be deleted?
- Are we organized correctly?
- Do we have the right Committees?
- General Comments?