

The GGOS Bureau of Products and Standards

Detlef Angermann (1), Thomas Gruber (1), Michael Gerstl (1), Urs Hugentobler (1), Laura Sanchez (1), Robert Heinkelmann (2), and Peter Steigenberger (3)

(1) Technical University of Munich (TUM), Germany, (2) German Research Centre for Geosciences (GFZ), Germany, (3) German Aerospace Centre (DLR), Germany

This poster gives a summary of the role and the activities of the Bureau of Products and Standards (BPS) to support IAG's Global Geodetic Observing System (GGOS) in its goal to provide observations and consistent geodetic products needed to monitor, map and understand changes in the Earth's shape, rotation and mass distribution. We present the organizational structure, the objectives as well as the recent and planned activities of the BPS.

Recent activities focus on the compilation of an updated 2nd version of the BPS inventory on standards and conventions used for the generation of IAG products and on the integration of geometric and gravimetric observations towards the development of integrated products (e.g., GGRF, IHRF, atmosphere products) in cooperation with the IAG Services and the GGOS Focus Areas. Other issues include the interaction with the IERS Conventions Centre and external stakeholders regarding standards (e.g., ISO, IAU, BIPM, CODATA) as well as the contribution to the Focus Group "Data Sharing and Development of Geodetic Standards" within the UN GGIM Subcommittee on Geodesy. In the last year, a Committee on the definition of Essential Geodetic Variables (EGVs) has been established as a new component within the BPS. Such EGVs might be the positions of reference points (positions of ground stations and quasars), Earth orientation parameters, mass distributions and changes within the Earth system, etc. The Committee on EGVs consists of representatives of the IAG Services, Commissions, Inter-Commission Committees, and GGOS Focus Areas.