



The Bureau of Products and Standards and its key role within GGOS

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

(1) Technische Universität München, Munich, Germany, (2) German Research Centre for Geosciences (GFZ), Potsdam, Germany, (3) Deutsches Zentrum für Luft- und Raumfahrt (DLR), Oberpfaffenhofen, Germany

This poster presents a summary of recent and planned 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 role of the BPS and summarize the tasks specified in the BPS Implementation Plan 2017-2018. Based on the outcome of the BPS inventory on standards and conventions used for the generation of IAG products we propose further activities in cooperation with the IAG Services to improve the consistency of geodetic products. According to its mission, the BPS should also initiate steps to identify user needs and requirements for products that are currently not provided by the IAG Services, but required to address important geophysical questions and user needs. Towards this aim it was agreed during the GGOS Days 2017 in Vienna, that a Panel within the BPS should be established in order to define a list of Essential Geodetic Variables (EGVs) and to assign requirements to them. Examples of 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 Panel will consist of representatives of the IAG Services, Commissions, Inter-Commission Committees, and GGOS Focus Areas.