



GGOS Bureau of Products and Standards: Recent activities and future work

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The GGOS Bureau of Products and Standards (BPS) supports the IAG in its goal to obtain products of highest possible accuracy, consistency, and temporal and spatial resolution, which should refer to a consistent reference frame, stable over decades in time. To achieve this important goal, it is a fundamental requirement that common standards and conventions are used by all IAG components for the analysis of the different space geodetic observations. The BPS also concentrates on the integration of geometric and gravimetric parameters and the development of new products, required to address important geophysical questions and societal needs.

In this presentation we summarize the major findings of the product-based inventory, which has been compiled by the BPS, addressing the following major products and topics, such as the terrestrial and celestial reference frames, the Earth orientation parameters, GNSS satellite orbits, gravity field models and vertical reference frames. Some examples of this inventory will be highlighted, indicating that there are several shortcomings and deficiencies. It will also be discussed how to proceed with the recommendations given in the inventory and how to resolve inconsistencies and gaps. Finally, we will give an overview about the future plans of the BPS towards the development of new products based on the integration of geometric and gravimetric observations.