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## International Gravimetric Bureau (BGI): database, services and products

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As a scientific service of the International Association of Geodesy (IAG) and of the its International Gravity Field Service (IGFS), the BGI is in charge of the collection, validation and distribution of all gravity measurements acquired at the Earth's surface. With this aim, BGI maintains four global gravity databases of relative measurements (derived from land and marine surveys), of absolute gravity measurements (AGrav database maintained in collaboration with BKG Germany) and of reference gravity stations. In addition, BGI also contributes with its supporting organizations to research and educational activities in gravimetry including the development of global of regional gravity products (such as the World Gravity Map based on the former EGM2008 model) and of tools and software for gravity data validation.

We present here the main services provided to the gravity data users: depository of data, access to the databases and derived products, recent tools developed for the processing and evaluation of gravity data sets (providing a reliable quality control with localization of drifted data and errors).

As the final task of BGI is to provide access to the largest scientific community to gravity data and products, the permanent archiving of new incoming gravity data sets is crucial to improve the knowledge of the Earth gravity field from local to global scales. Users interested to contribute with their own relative or absolute gravity observations or metadata in the BGI global gravity databases are invited to contact BGI (http://bgi.obs-mip.fr), BKG (http://agrav.bkg.bund.de/agrav-meta) as well as IGFS (http://igfs.topo.auth.gr/product). In return, a DOI (Digital Object Identifier) will be attributed to all incoming dataset to facilitate the traceability and referencing to the authors.