



ICGEM - The International Centre for Global Earth Models

F. Barthelmes, W. Köhler, J. Kusche

GeoForschungsZentrum Potsdam, Department 1: Geodesy and Remote Sensing,
Telegrafenberg, 14473 Potsdam, Germany, (bar@gfz-potsdam.de)

The ICGEM is one of six centres of the International Gravity Field Service (IGFS) of the International Association of Geodesy (IAG). The major task is to make all global gravity field models, from the most recent models back to the historical ones, available to the public. From the ICGEM website (<http://icgem.gfz-potsdam.de>) the models can not only be downloaded but also used in an interactive visualisation tool and in a calculation service which provides functionals on grids of the users choice. With the availability of the recent satellite-only solutions from GRACE, in particular the monthly solutions representing the time variation of the global gravity field, and the combined models of high spatial resolution, the functionals, such as e.g. gravity anomalies, geoid undulations or equivalent water heights, become more and more important for nearly all geosciences. Latest improvements are the use of more accurate formulas used by the calculation service and a better visualisation of the time varying gravity field.