

SC 2.4: Regional Geoid Determination

Chair: Hussein Abd-Elmotaal (Egypt)

Terms of Reference and Objectives

Sub-Commission 2.4 is concerned with the following areas of investigation:

- Regional gravity and geoid sub-commissions: data sets, involved institutions, comparison of methods and results, data exchange, comparison with global models, connection of regional models
- Gravimetric geoid modeling techniques and methods, available software, new alternative geoid determination techniques
- GPS/leveling geoid determination: methods, comparisons, treating and interpretation of residuals, common treatment of gravity and GPS/leveling for geoid determination
- Geoid applications: GPS heights, sea surface topography, integration of geoid models in GPS receivers, vertical datums.
- Other topics: topographic effects, downward and upward continuation of terrestrial, airborne, satellite data specifically as applied to geoid modeling.

Program of Activities

Sub-Commission 2.4 is going to initiate and coordinate regional gravity and geoid sub-commissions. It will encourage and support the data exchange between agencies and will assist local, regional and national authorities in their projects of gravity field determination. It will help in organizing courses and symposia for gravity field determination.

Steering Committee

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