

## **SC 2.4: Regional Geoid Determination**

Chair: Maria Cristina Pacino (Argentina)

Vice-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 modelling techniques and methods, available software, new alternative geoid determination techniques
- GPS/levelling geoid determination: methods, comparisons, treating and interpretation of residuals, common treatment of gravity and GPS/levelling 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 modelling.

### **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**

- Chair: SC2.4: Maria Cristina Pacino (Argentina)
- Chair SC2.4a: Heiner Denker (Germany)
- Chair SC2.4b: Maria Cristina Pacino (Argentina)
- Chair SC2.4c: Marc Véronneau (Canada)
- Chair SC2.4d: Hussein Abd-Elmotaal (Egypt)
- Chair SC2.4e: Jay Hyoun Kwon (Korea)
- Chair SC2.4f: Mirko Scheinert (Germany)