

SC2.4d: Gravity and Geoid in Africa

Chair: Hussein Abd-Elmotaal (Egypt)

Terms of Reference

The African Gravity and Geoid regional sub-commission (AGG) belongs to the Commission 2 of the International Association of Geodesy (IAG). The main goal of the African Gravity and Geoid regional sub-commission is to determine the most complete and precise geoid model for Africa that can be obtained from the available data sets. Secondary goals are to foster cooperation between African geodesists and to provide high-level training in geoid computation to African geodesists.

Objectives and Activities

The objectives and activities of the regional sub-commission are summarized as follows:

- Identifying and acquiring data sets - gravity anomalies, DTMs, GPS/leveling.
- Training of African geodesists in geoid computation.
- Merging and validating gravity data sets, producing homogenous gravity anomalies data set ready for geoid computation.
- Computing African geoid.
- Evaluating the computed geoid using GPS/leveling data.

Steering Committee

- Chair: Hussein Abd-Elmotaal (Egypt)
- Charles Merry (South Africa)
- Ahmed Abdalla (Sudan)
- Benahmed Daho (Algeria)
- J.B.K. Kiema (Kenya)
- Joseph Awange (Kenya)
- Ludwig Combrinck (South Africa)
- Prosper Ulotu (Tanzania)

Delegates

- Addisu Hunegnaw (Ethiopia)
- Adekugbe Joseph (Nigeria)
- Albert Mhlanga (Swaziland)
- Francis Aduol (Kenya)
- Francis Podmore (Zimbabwe)
- Godfrey Habana (Botswana)
- Hassan Fashir (Sudan)
- Ismail Ateya Lukandu (Kenya)
- Jose Almeirim (Mozambique)
- Karim Owolabi (Namibia)
- Peter Nsombo (Zambia)
- Saburi John (Tanzania)
- Solofo Rakotondraompiana (Madagascar)
- Tsegaye Denboba (Ethiopia)