

SC2.4d: Gravity and Geoid in Africa

Chair: Hussein Abd-Elmotaal (Egypt)

Terms of Reference

The African Gravity and Geoid sub-commission (AGG) belongs to the Commission 2 of the International Association of Geodesy (IAG). The main goal of the African Gravity and Geoid 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 sub-commission are summarized as follows:

- Identifying and acquiring data sets - gravity anomalies, DTMs, GPS/levelling.
- Training of African geodesists in geoid computation.
- Merging and validating gravity data sets.
- Computing African geoid models.
- Evaluating the computed geoid models using GPS/levelling data.
- Updating the geoid models using new data/strategies to obtain better geoid accuracy (dynamic process).

Steering Committee

- Chair: Hussein Abd-Elmotaal (Egypt)
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- Joseph Awange (Kenya)
- Ludwig Combrinck (South Africa)
- Benahmed Daho (Algeria)
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Delegates

- Mostafa Abd-Elbaky (Egypt)
- Francis Aduol (Kenya)
- Jose Almeirim (Mozambique)
- Mostafa Ashry (Egypt)
- Tsegaye Denboba (Ethiopia)
- Hassan Fashir (Sudan)
- Walyeldenn Godah (Sudan)
- Godfrey Habana (Botswana)
- Ayman Hassan (Egypt)
- Addisu Hunegnaw (Ethiopia)
- Saburi John (Tanzania)
- Adekugbe Joseph (Nigeria)
- Ismail Ateya Lukandu (Kenya)
- Albert Mhlanga (Swaziland)
- Peter Nsombo (Zambia)

- Karim Owolabi (Namibia)
- Francis Podmore (Zimbabwe)
- Solofo Rakotondraompiana (Madagascar)