

International Association of Geodesy (IAG): New Structure

4 Commissions

- 1: Reference frames: H. Drewes
- 2: Gravity field : Ch. Jekeli
- 3: Earth rotation and geodynamics: V. Dehant
- 4: Positioning and Applications: Ch. Rizos

Commission 1: Reference Frames

- ...
- **Sub-Commission 1.2: Global Reference Frames:**
President C. Boucher
- **Sub-Commission 1.3: Regional Reference Frames:**
President Z. Altamimi
- ...
- **Inter-Com. Project ICP1.2: Vertical Reference Frames**
Chair: J. Ihde
- ...

Sub-Commission 1.3: Regional Reference Frames

Regional Sub-commissions

- **SC1.3a Europe (EUREF)**
- **SC1.3b South and Central America (SIRGAS)**
- **SC1.3c North America (NAREF)**
- **SC1.3d Africa (AFREF)**
- **SC1.3e South-East Asia and Pacific**
- **SC1.3f Antarctica (SCAR)**

Sub-Commission 1.3: Regional Reference Frames Objectives

- **Develop specifications for the definition and realization of regional reference frames**
- **Develop and promote operation of GPS permanent stations**
- **Encourage and stimulate the emerging development of the AFREF project**
- **Encourage and assist, within each regional sub-commission, countries to re-define and modernize their national geodetic systems, compatible with the ITRF**

Interaction between SC1.2 & SC1.3

Common Working Group For

Worldwide ITRF Promulgation

- Geodetic Systems: National & Continental**
- Navigation ORG**
- ...**

SC1.3a Regional Reference Frame Sub-Commission for Europe (EUREF)

Terms of Reference

EUREF, the Regional Reference Frame Sub-commission for Europe, deals with the definition, realization and maintenance of the European Reference Frame, focusing on both the spatial and the vertical components, in close cooperation with the pertinent IAG components (Services, Commissions, and Inter-commission projects) and EuroGeographics, the consortium of the National Mapping Agencies (NMA) in Europe.

Structure:

- The SC EUREF is composed by representatives from European IAG member countries
- The TWG (Technical Working Group) is composed by members elected by the plenary, members in charge of special projects and ex-officio members
- Chair: Joao Torres (Portugal)
- Secretary: Helmut Hornik (Germany)

Program of Activities:

- Continue to develop the EUREF Permanent Network (EPN) in close cooperation with IGS, for the maintenance of the European Reference Frame, as a contribution to the ITRF and as infrastructure to support other relevant projects, namely the European initiatives related with GALILEO.
- Extend the Unified European Levelling Network (UELN) and prepare it to be computed under a geokinematic approach
- Implement the project European Combined Geodetic Network (ECGN) and investigate the discrepancies already identified in the combination of the EUVN (European United Vertical Network) results and the gravimetric geoid (project EUVN_DA), in close cooperation with IAG Commission 2.
- Establish a dense velocity field model in Europe for the long-term maintenance of the European reference frame.
- Consider the contribution to the IAG Project IGGOS (Integrated Global Geodetic Observing System) using the installed infra-structures managed by the EUREF members.
- Promote the adoption of the reference systems defined by EUREF (ETRS89-European Terrestrial Reference System and EVRS2000-European Vertical Reference System) in the European countries and European-wide organizations involved in geo-referencing activities.
- Organize annual symposia addressing activities carried out at national and European-wide level related with the global work and objectives of EUREF.

The Council of Europe's Member States

- Albania (13.07.1995)
- Andorra (10.11.1994)
- Armenia (25.01.2001)
- Austria (16.04.1956)
- Azerbaijan (25.01.2001)
- Belgium (05.05.1949)
- Bosnia & Herzegovina (24.04.2002)
- Bulgaria (07.05.1992)
- Croatia (06.11.1996)
- Cyprus (24.05.1961)
- Czech Republic (30.06.1993)
- Denmark (05.05.1949)
- Estonia (14.05.1993)
- Finland (05.05.1989)
- France (05.05.1949)
- Georgia (27.04.1999)
- Germany (13.07.1950)
- Greece (09.08.1949)
- Hungary (06.11.1990)
- Iceland (09.03.1950)
- Ireland (05.05.1949)
- Italy (05.05.1949)
- Latvia (10.02.1995)
- Liechtenstein (23.11.1978)
- Lithuania (14.05.1993)
- Luxembourg (05.05.1949)
- the former Yugoslav Republic of Macedonia (09.11.1995)
- Malta (29.04.1965)
- Moldova (13.07.1995)
- Netherlands (05.05.1949)
- Norway (05.05.1949)
- Poland (29.11.1991)
- Portugal (22.09.1976)
- Romania (07.10.1993)
- Russian Federation (28.02.1996)
- San Marino (16.11.1988)
- Serbia and Montenegro (03.04.2003)
- Slovakia (30.06.1993)
- Slovenia (14.05.1993)
- Spain (24.11.1977)
- Sweden (05.05.1949)
- Switzerland (06.05.1963)
- Turkey (09.08.1949)
- Ukraine (09.11.1995)
- United Kingdom (05.05.1949)

The Observers to the Committee of Ministers

Canada (29.05.1996) - Holy See (07.03.1970) - Japan (20.11.1996) - Mexico (01.12.1999) - United States of America (10.01.1996)

The Observers to the Parliamentary Assembly

Canada (28.05.1997) - Israel (02.12.1957) - Mexico (04.11.1999)

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