EPOS

European Plate Observing System

Mission

EPOS will integrate the diverse, but advanced European Research Infrastructures for solid Earth Science, and will build on new e-science opportunities to monitor and understand the dynamic and complex solid-Earth System.

EPOS Preparatory Phase today consists of 20 partners for 18 countries (Italy, France, Germany, The Netherlands, Romania, Iceland, Switzerland, United Kingdom, Norway, Turkey, Ireland, Portugal, Spain, Greece, Sweden, Poland, Denmark, Czech Republic and 1 non-governmental organization Orfeus, managed by KNMI)

Working Group 4

GNSS data and other geodetic data

Chair:

Rui Fernandes

Co-Chairs:

Carine Bruyninx
Martin Lidberg
Luísa Bastos
Jean-Mathieu Nocquet
Nicola D'Agostino
Athanassios Ganas

National Representatives:

Jan Dousa
…

Survey results

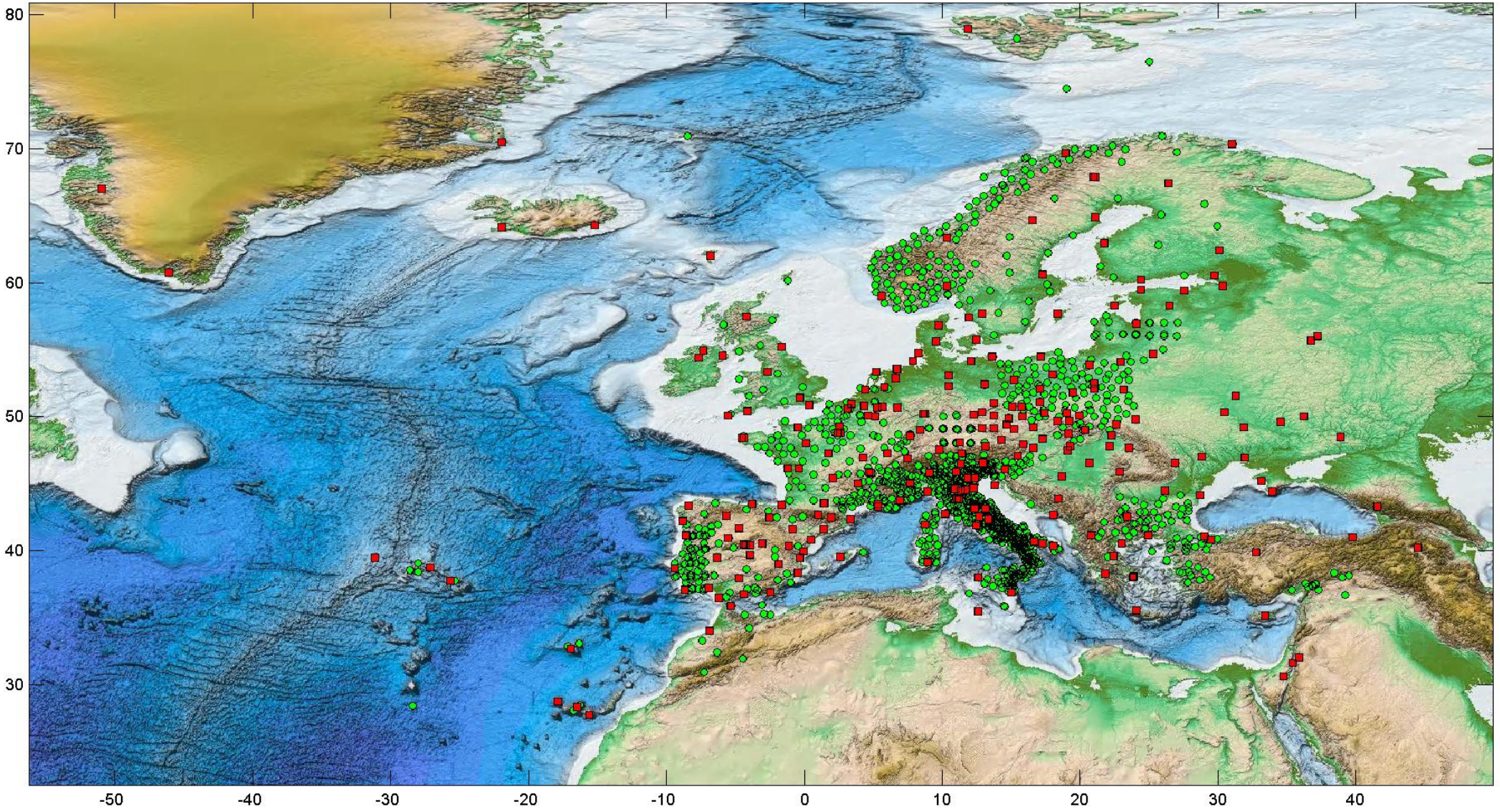
35 answers (~15% of mailing list) representing National & Regional Institutions and Research groups from 21 countries (several not in EPOS).

Generally open to establish/discuss cooperation with EPOS.

Mostly GNSS networks, but some other techniques as well (VLBI, Gravimetry, SLR and airborne laser).

EGU 2011

Survey results



> 1400 sites

Questions to be addressed during the preparatory phase of EPOS

Identify the relevant scientific objectives and major challenges for the next decades:

- **Seamless data access (ALL)**
- **Real Time data access**
- **Data preservation (expected exponential data growth from nn GB/station/year to NN GB/station/year)**
- **GNSS data integration (episodic and permanent)**
- **Integration with other Geodata (VLBI, Gravimetric, …)**
- **Coordination towards production of "EPOS products"**

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WG4 Meeting
21-22 November - Brussels

- Define plan to produce a collaborative white paper about Geodesy in Europe.
- Identify strengths and weaknesses of established groups Promote free data access policies.
- Discussion/contribution through the EPOS site

EPOS is an opportunity to strenghten EU Geodesy

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