Introduction

Focusing on the EPoS vision aimed at creating a pan-European infrastructure for Earth sciences, we discuss the assignment of the non-standard data (DDSS with MEDIUM-LOW level of standardization) to the NFO service providers. The non-standard data, coming from dense near fault multidisciplinary networks, represent an extraordinary work on data quality control and description. The NFOs are actually governed by a BOARD composed by one representative for each of the 7 NFOs coordinated in EPoS. The NFOs have been chosen through a wide range of technical criteria and to achieve the objectives independently informed by the institutions managing the EPoS testing and comparing procedures and codes for real-time source characterization and related hazard products, testing the services provided by the NFOs, and coordinating their data, products and services as well as to provide viable and stable governance mechanisms supporting the initiatives finalized to the services provided.

Following the EPoS functional architecture the NFOs are one of the key Testing Centres providers (VL), a community-specific, integration level. The TCS represent transnational governance frameworks where data and services are provided to answer scientific questions and where stakeholders will have the possibility to learn about the NFOs and services and access to multidisciplinary raw data and services running on national and regional distributed observatories. The TCS are providing common services such as data archiving, data management, coordination and sustainability strategies as well as legal and ethical issues.

The EPoS project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 676564.

NFO-TCS Services

An infrastructure architecture, including the management of the non-standard data, has been assigned to the NFO service providers. These are the NFO service providers:

- University of Naples for SEISZ
- ETHZ for VRANCEA
- University of Bologna for IRPINIA
- University of Athens for GRACE
- Istituto Nazionale della Fisica Nucleare (INFN)
- Istituto Nazionale per la Fisica della Materia (INFM)
- European Commission

The colours refer to the kinematic tectonic environment characterising the NFO target area as shown in the map.