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EPOS IP – Data, Data Products, Services and Software (DDSS Master Table)

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The "European Plate Observing System – Implementation Phase" (EPOS IP, 2014-2019) project is about building a pan-European infrastructure for accessing solid Earth science data. This ambitious plan started in 2002 already with a Conception Phase and continued by an EPOS PP (Preparatory Phase, 2010-2014) where about 20 partners joined the project. The current EPOS IP project includes 47 partners plus 6 associate partners from 25 countries from all over Europe and several international organizations (ORFEUS, EMSC, EUREF). However, the community contributing to the EPOS integration plan is larger than the official partnership of EPOS IP project, because more countries are represented by the international organizations and because within each country there are several research institutions involved. The list of Data, Data Products, Services and Software (DDSS) provided by individual institutions, consortia or organizations which will become part of the EPOS system are currently collected in document called DDSS Master Table. There are 10 work packages (WP8-WP17) creating the Thematic Core Services (TCS) always grouped by a specific topic: Seismology, Near Fault Observatories, GNSS Data and Products, Volcano Observations, Satellite Data, Geomagnetic Observations, Anthropogenic Hazards, Geological Information and Modelling, Multi-scale laboratories and Geo-Energy Test Beds for Low Carbon Energy. Each of this group declared a list of DDSS elements which are about to be implemented. Currently there are about 455 DDSS elements in the DDSS Master Table. These DDSS elements are of different maturity and about 122 are declared by TCS groups to be ready for implementation which means that the data are well described with metadata, following the standards specific for their domain and, in the best case, with some services allowing their access already. The DDSS elements differ by its complexity as well. The DDSS Master Table serves as an overview of the DDSS elements and includes most of the important information needed for further implementation and is continuously updated as the project evolves. The presentation is showing statistics describing the current status of DDSS Master Table and complexity of the organizational structure at the TCS level.