

## European Plate Observing System (EPOS): a distributed e-Infrastructure for Solid Earth Sciences

*Monday, 18 May 2015 15:30 (20 minutes)*

The European Plate Observing System (EPOS) is an ambitious long term integration plan addressing the major solid-earth research infrastructures in Europe. For its large scale and extent it is a unique initiative which will foster new scientific discoveries and enable scientists to investigate the solid earth system with unprecedented ways. A key aspect of EPOS is to provide end-users with homogeneous access to services and multidisciplinary data collected by monitoring infrastructures and experimental facilities as well as access to software, processing and visualization tools. The service architecture in EPOS envisages a main system, the ICS, integrating data and services provided by communities through the Thematic Core Services (TCS). TCS according to their level of maturity will build new interoperable services or make existing services interoperable with ICS through the use of software interfaces allowing the interchange of metadata with the ICS. The presentation will introduce the technical achievements of the EPOS preparatory phase and the plan for the implementation phase.

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**Session Classification:** Research Infrastructures roadmaps and Competence Centres