### Scenario C

**Trans-national Access (TNA)**

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Push data services included range from the nano- and micrometer levels (electron microscopy and micro-beam world-class laboratory infrastructures. The length scales encompassed by the infrastructures are from Macro- to micro- and Nano-scales.

### The community objectives

The EPOS Thematic Core Service Multi-scale laboratories (TCS MSL) includes a wide range of world-class laboratory infrastructures. The length scales encompassed by the infrastructures include range from the nano- and micrometer levels (electron microscopy and micro-beam world-class laboratory infrastructures. The length scales encompassed by the infrastructures are from Macro- to micro- and Nano-scales.

1. Creating a coherent and well-organized network of solid Earth Science laboratories;
2. Implementing dedicated Data Services and controlled vocabularies that will guarantee Findability, Accessibility, Interoperability, and Reusability (FAIR) of laboratory data with other solid Earth Science data;
3. Developing a Trans-national Access (TNA) program that will increase European state-of-the-art solid Earth science laboratories attractiveness for researchers and contribute to increased researchers mobility, cooperation and exchange.

### Data Services

The TCS Multi-scale laboratories Data Services aim at the dissemination of scientific results in the form of datasets coming from experimental research, uniquely identifiable through publication with a DOI: citable, trackable, persistent and with metadata and data description for re-use and discovery.

Datasets can be published in generic, institutional repositories or in dedicated EPOS Multi-scale laboratories repositories.

Datasets are described with the EPOS Multi-scale laboratories metadata model, which includes standard vocabularies (ISO19115/INSPIRE, GCMD, DataCite) and new controlled vocabularies specific for: Analogue models of geologic processes, Paleomagnetic and magnetic data, Rock and fault physical properties, Geochemical data, and Microscopy data. Metadata includes licensing information.

### Trans-national Access (TNA)

**Physical access** visit the lab and perform your experiments with high-quality equipment.

**Remote service** get your samples analysed by expert laboratory operators.

3rd TNA call open until April 21st 2019!

Find out more:

We are developing and refining the EPOS-wide TNA Access Policy that harmonizes and optimizes access rules to European multi-scale laboratory centers.

An open call will be conducted on a regular basis to select hosting facilities and applicants for Trans-national Access activities on the basis of the science excellence criteria.

Two successful pilot calls were open in 2017 and 2018, which were partly supported by dedicated national funding and/or in-kind contribution from the participating laboratories.

### New opportunities for collaboration

The EPOS Multi-scale laboratories welcomes new laboratories!!

Share your lab data and become one of the EPOS Multi-scale laboratories data providers or discover and use new data for your research.

Open your lab or take advantage of the opportunity to be selected to perform your experiments at top European solid Earth science laboratories.

### Contact us

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