



*The time and space scales of planet Earth's geological processes are wide. From the picosecond to the million year, from the atomic distance to the continental dimension, the study of the solid Earth requires the use of a vast range of **multi-scale methods and instruments**.*

The **MULTI-SCALE LABORATORIES TCS** manages and harmonizes laboratory data at all relevant scales. The MULTI-SCALE LABORATORIES community has access to over 90 laboratories affiliated with 11 institutes in 8 European countries.

Among them are world-class experimental and analytical facilities, such as electron microscopes, deformation testing machines and paleomagnetic instruments.

Within EPOS, MULTI-SCALE LABORATORIES TCS data is easily accessible in a homogenised format, refereed, and thus ready to be used for new research focusing on georesources and geostorage, geohazards and Earth system evolution in general.



SERVICES

- MSL Data Portal
- GFZ Data Services
- Transnational Access coordination and provision

The solid collaboration among European researchers is crucial to understand the multiscale, crossdisciplinary nature of our planet, to expand knowledge, assess geohazards and exploit georesources.

Embedded within the EPOS framework, the MULTI-SCALE LABORATORIES give access to a vast network of solid Earth laboratories.

EPOS, the **EUROPEAN PLATE OBSERVING SYSTEM**, is a multidisciplinary, distributed research infrastructure that facilitates the integrated use of data, data products, and facilities from the solid Earth science community in Europe. **EPOS** ensures **the long-term** access to solid Earth **science data** and **services**, with the goal of answering some of the most pressing societal questions **concerning geo-hazards** and those **geodynamic** phenomena relevant to the **environment** and **human welfare**.

