EPOS MULTI-SCALE LABORATORIES

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, understanding how the Earth responds to both human and tectonic activity requires research laboratories and equipment at a vast range in scales.

EPOS MULTI-SCALE LABORATORIES collects, manages and harmonizes laboratory data at all relevant scales. The MSL community includes more than 100 laboratories throughout Europe. Among them are world-class experimental, analytical and field monitoring facilities, hosting, among others, electron microscopes, deformation testing machines, geochemistry labs, (paleo)magnetic instruments and field-scale monitoring equipment. Within EPOS, Multi-Scale Laboratories data are easily accessible, and ready to be used for new research focusing on georesources and geostorage, geohazards and Earth system evolution.

Services

Ensuring central findability of MSL data published at multiple repositories in Europe, at both:
the EPOS Data Portal (epos-eu.org/dataportal), and
the EPOS MSL Data Catalogue (epos-msl.uu.nl)

Moving towards best practices and standards for efficient sharing of Earth scientific laboratory data.

Laboratory sharing:
a wide range in MSL laboratories and researchers actively welcome international researchers, for joint research that involves lab work. Explore our labs and equipment on the EPOS platform and on the EPOS MSL data catalogue!

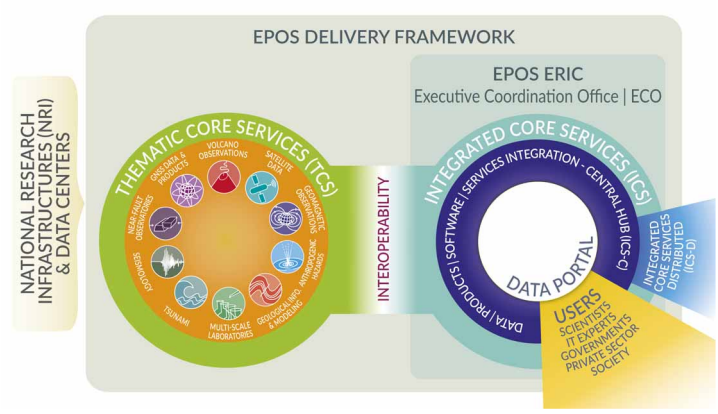
www.epos-eu.org/tcs/multi-scale-laboratories

EPOS MULTI-SCALE LABORATORIES

OUR MISSION

Our mission is to support your research into Earth system behavior, by providing you with data, models, laboratories and expertise on rock properties and processes, building on standards and tools developed with the community.

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.



EPOS EUROPEAN PLATE OBSERVING SYSTEM www.epos-eu.org