



Romanian contribution to research infrastructure database for EPOS

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European Plate Observation System - EPOS is a long-term plan to facilitate integrated use of data, models and facilities from mainly distributed existing, but also new, research infrastructures for solid Earth Science. In EPOS Preparatory Phase were integrated the national Research Infrastructures at pan European level in order to create the EPOS distributed research infrastructures, structure in which, at the present time, Romania participates by means of the earth science research infrastructures of the national interest declared on the National Roadmap.

The mission of EPOS is to build an efficient and comprehensive multidisciplinary research platform for solid Earth Sciences in Europe and to allow the scientific community to study the same phenomena from different points of view, in different time periods and spatial scales (laboratory and field experiments).

At national scale, research and monitoring infrastructures have gathered a vast amount of geological and geophysical data, which have been used by research networks to underpin our understanding of the Earth. EPOS promotes the creation of comprehensive national and regional consortia, as well as the organization of collective actions. To serve the EPOS goals, in Romania a group of National Research Institutes, together with their infrastructures, gathered in an EPOS National Consortium, as follows:

1. National Institute for Earth Physics – Seismic, strong motion, GPS and Geomagnetic network and Experimental Laboratory;
2. National Institute of Marine Geology and Geoeconomy - Marine Research infrastructure and Euxinus integrated regional Black Sea observation and early-warning system;
3. Geological Institute of Romania – Surlari National Geomagnetic Observatory and National lithotique (the latter as part of the National Museum of Geology)
4. University of Bucharest - Paleomagnetic Laboratory

After national dissemination of EPOS initiative other Research Institutes and companies from the potential stakeholders group also show their interest to participate in the EPOS National Consortium.