If the EPOS Implementation Phase proposal presently under construction is successful, then a range of services and transnational networks are foreseen and the following objectives are to be achieved:

- To collect and harmonize available and emerging laboratory data on the properties and processes controlling rock system behaviour that the laboratories community in Europe is making, in the context of EPOS. The main objectives are:
  a. To provide products and services supporting research in the key strategic areas of Geo-resources & Geo-storage, Geo-hazards and Earth System Evolution.
  b. To provide products and services supporting research into Geo-resources and Geo-storage, Geo-hazards and Earth System Evolution.
  c. To provide products and services supporting research into Geo-resources and Geo-storage, Geo-hazards and Earth System Evolution.

- To co-ordinate the development, integration and trans-national usage of the major solid Earth Science laboratory centres and networks. The length scales encompassed by the infrastructures included range from the nano- and micrometer levels to the scale of experiments on centimetre sized samples, and to analogue model experiments simulating the reservoir scale, the basin scale and the plate scale.

- To provide products and services supporting research into Geo-resources and Geo-storage, Geo-hazards and Earth System Evolution. Indeed, to model resource formation and system behaviour during exploitation, we must understand the evolution of the combined subsurface, based on experimental data. This includes the fundamental and boundary information concerning high-temperature and high-pressure conditions in the reservoir and exploration areas.

- To provide services supporting research into Geo-resources and Geo-storage, Geo-hazards and Earth System Evolution. The participant countries in EPOS embody a wide range of world-class laboratory infrastructures. Most data produced by the various laboratory centres and networks are presently scattered and in a limited form. Many data remain inaccessible and/or poorly preserved. However, the data produced at the participating laboratories are crucial for serving society's need for geovisualization applications for protection against geohazards. Indeed, to model resource formation and system behaviour during exploitation, we need an understanding from the microscope to the continental scale, based on experimental data. This includes the fundamental and boundary information concerning high-temperature and high-pressure conditions in the reservoir and exploration areas.

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