

EPOS Statement on Research Infrastructures and Supersites

The European Plate Observing System (**EPOS**) wishes to emphasize:

- the strategic role of **data infrastructures** in promoting an integrated use of data and the development of new data products (concerning for instance the measure of 3D deformation in volcanic and tectonic areas, the monitoring and the understanding of pre-eruptive processes, ash emission, seismicity patterns, earthquake ground shaking maps, ...);
- the development of **e-infrastructures** to integrate terrestrial observations of solid Earth processes through novel ICT solutions;
- the strategic role of **Geo-hazards Supersites (GSNL)** for promoting the integration of terrestrial (in-situ) and satellite Earth observations through **in-situ e-infrastructures** which will be interoperable with **GEOSS** and other integrated services;
- the relevance of developing a **federated data infrastructure** in which the specific needs of in-situ and satellite data providers are taken into account through an equitable approach.

This is extremely important in order to:

- implement coherent **stakeholders interaction strategies** dedicated to foster and disseminate **progress in science** and to address **risk communication**;
- adopt effective plans for **long-term sustainability** of the research infrastructures (such as the Supersites) in terms of financial and human resources.