Epos-France: A National Research Infrastructure for Earth science

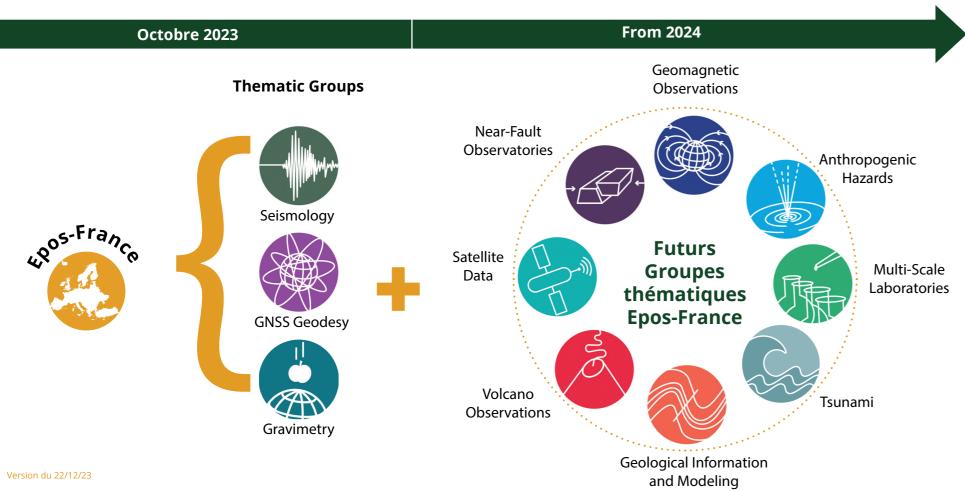
Thousands of instruments to observe and have a better understanding of the solid Earth

In 2023, Epos-France succeeded the Résif research infrastructure, which had brought together French seismology and geodesy/gravimetry research actors since 2011.

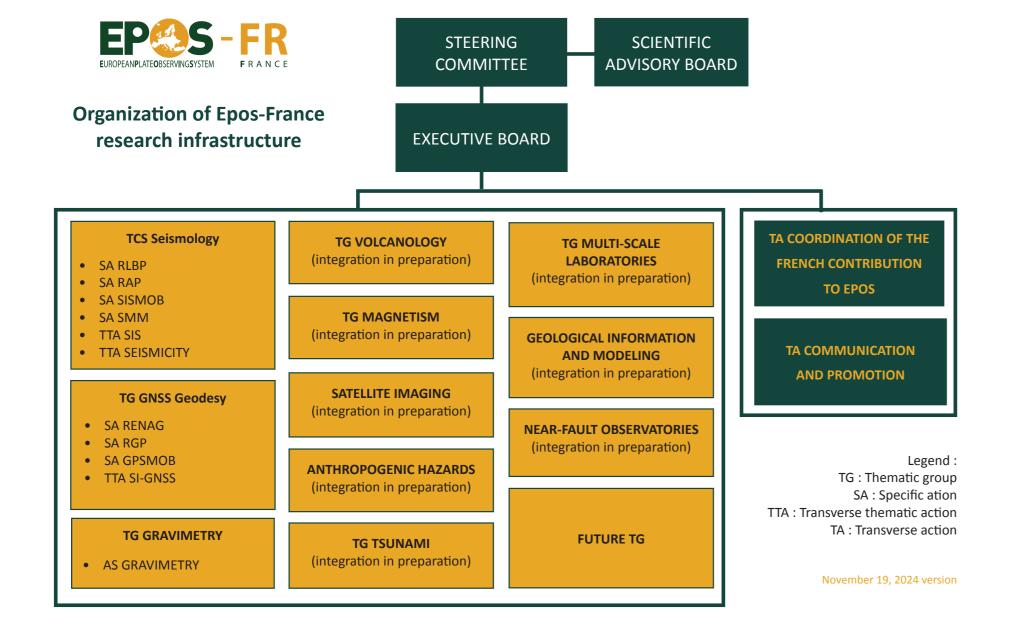
The new infrastructure integrates a variety of complementary observation tools within a unified, sustainable, and scalable system, covering all solid Earth-related themes. Coordinated by CNRS, the Epos-France consortium includes most French universities and research organizations involved in geosciences.

Epos-France represents France's participation in the European research infrastructure EPOS.





Epos-France research infrastructure development plan



A High-Performance Information System

Today, Epos-France provides free and open access to geophysical and geological data on the dynamic processes affecting the Earth's interior at different spatial and temporal scales. It also disseminates related products and tools, both through its own national distribution channels and via the European EPOS platform.

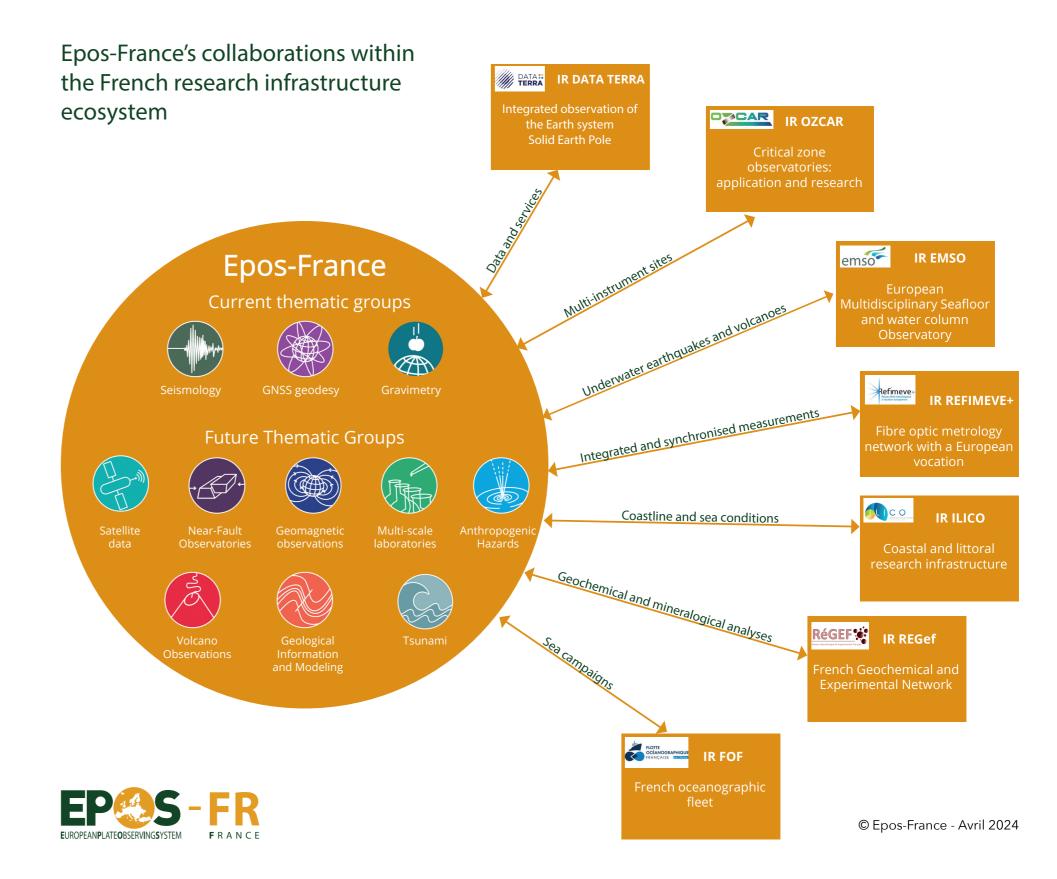
In France, Epos-France is part of a vast ecosystem of complementary research infrastructures with which it collaborates daily.



Deployment of Epos-France's Permanent Instrumental Networks in Metropolitan France Red: Seismological stations | Blue: GNSS stations | Green: Gravimetric stations www.epos-france.fr/presentation-epos-france/carte-interactive-des-reseaux-instrumentaux/

An Exemplary Scientific Cooperation Serving Science and Society

Epos-France's activities contribute to a multidisciplinary European research effort aimed at a better understanding of the physical and chemical processes of the solid Earth. It plays a key role in major societal challenges such as resource management (subsurface, water, etc.), issues related to induced seismicity, geohazards, and natural hazards exacerbated by climate change and urbanization.



Disclaimer: the information presented here is subject to rapid change as new themes are integrated into the infrastructure. The situation presented is that of June 2024.