

## EPOS FACTS



**26** Countries involved in the integration plan



**20** Countries\* in EPOS ERIC



**256** Research Institutions

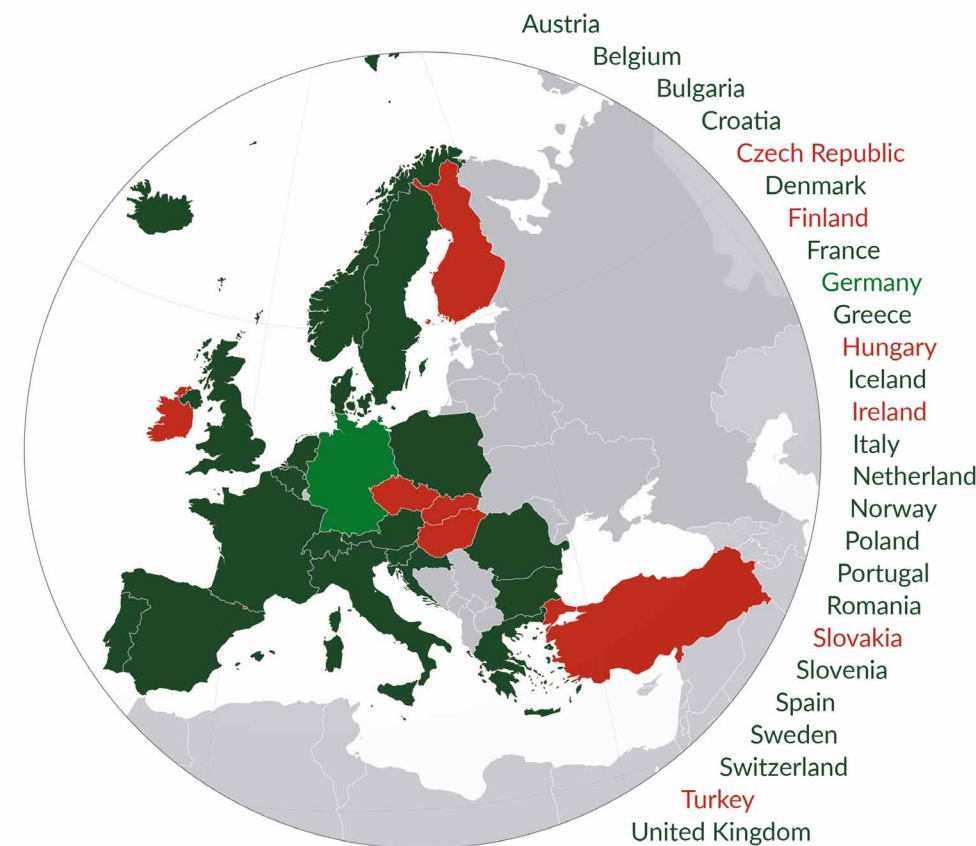


**264** Integrated data and services

## EPOS is FAIR

- **Open access** to data and high-level services from research infrastructures for cross-disciplinary research
- **Services for data access** e.g. technologies needed to provide access to data, including AAAI technologies and web services
- **FAIR metadata** e.g. creation or reuse of metadata standards and vocabularies for describing datasets, services and other resources
- **FAIR data** e.g. harmonization of data made available under clear usage conditions licenses

**EPOS**  
the pan-European  
distributed research  
infrastructure for  
**SOLID EARTH SCIENCE**  
enabling  
**EXCELLENT SCIENCE**  
to understand  
planet Earth dynamics  
for a safe and  
sustainable society



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# How EPOS works

EPOS, the **European Plate Observing System**, is the **only research infrastructure for solid Earth science in Europe**. EPOS promotes **open science** and it is committed to enable excellent science and innovation. Born in 2007 with the aim of developing a long-term plan for sharing and harmonizing scientific data and products, it integrates about 150 national research organizations into a single distributed infrastructure.



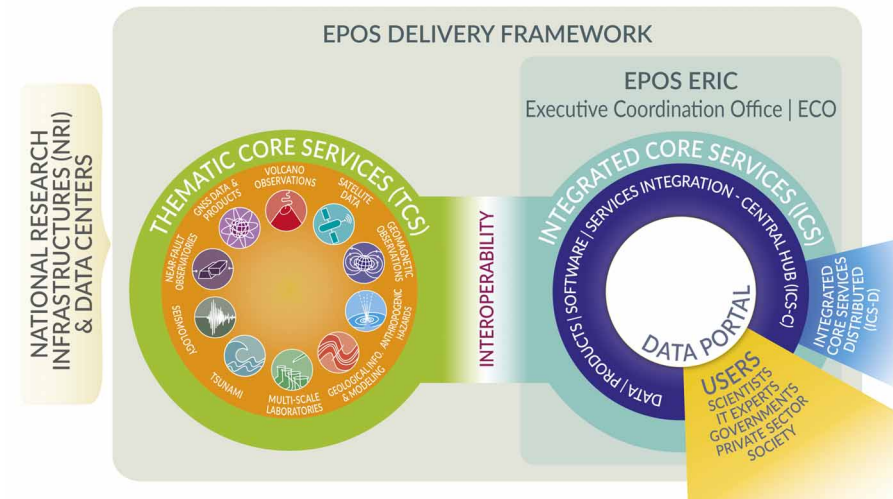
**EPOS community** is currently organized in **10 Thematic Core Services**, covering a great variety of solid Earth science disciplines.

**Integration** of the existing national and trans-national Research Infrastructures.

**Interoperability** of thematic services for a multidisciplinary community of users.

**Progress** in **science** and improvement in geo-hazard assessment, risk mitigation and sustainable management of geo-resources.

**Sustainability** through strategic investments in research infrastructures at national and international level.



## The EPOS Data Portal

The **Data Portal** is the **platform** that provides an **unprecedented** amount of **high-quality** and harmonized scientific **data, products** and **services** for users (e.g., researchers, IT experts, institutions, decision-makers), to **foster** state-of-the-art **research** and **innovation** for a **safe** and **sustainable society**.

### DATA PORTAL FACTS

- ~60.000 lines of source `</>` code developed
- ~30.000 GitLab  commits every year
- ~14.700 known bugs fixed 
- ~150 liters of coffee  drunk every year
- +16.000 unique visitors from +100 different countries 
- ~600 scientists  form the thematic communities
- ~100 IT experts involved in the `</>` design, development and operation



[www.epos-eu.org/dataportal](http://www.epos-eu.org/dataportal)