EPOS FACTS

26 Countries involved in the integration plan
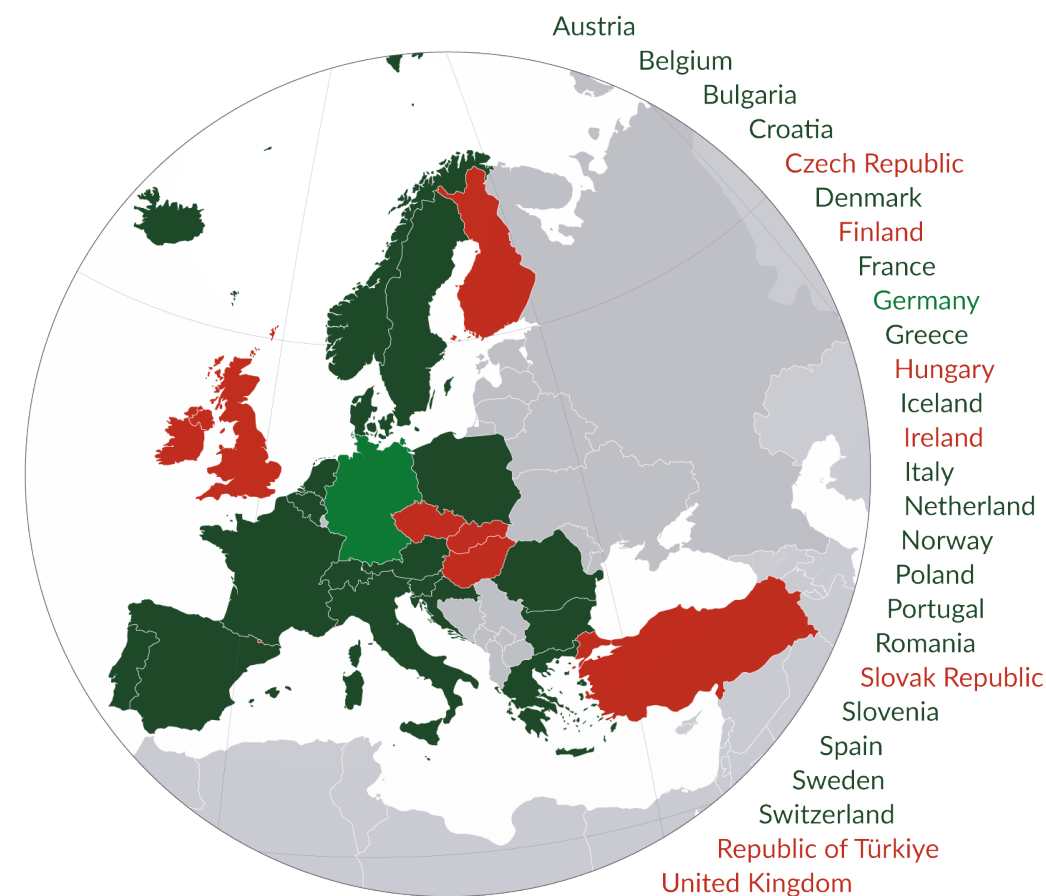
20 Countries in EPOS ERIC

494 Data and Servic Providers

285 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

Austria
Belgium
Bulgaria
Croatia
Czech Republic
Denmark
Finland
France
Germany
Greece
Hungary
Iceland
Ireland
Italy
Netherland
Norway
Poland
Portugal
Romania
Slovak Republic
Slovenia
Spain
Sweden
Switzerland
Republic of Türkiye
United Kingdom

■ Members ■ Observers ■ Included in the integration plan

www.epos-eu.org

EPOS
EUROPEANPLATEOBSERVINGSYSTEM

www.epos-eu.org

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**
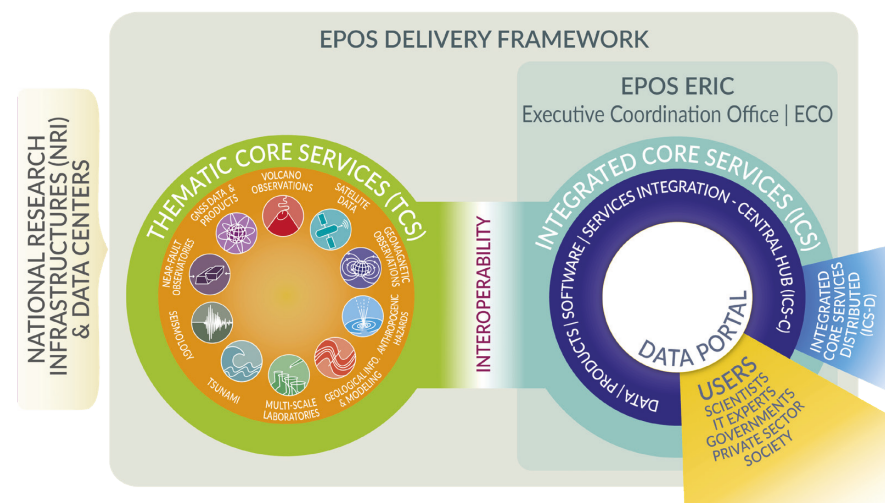
www.epos-eu.org

EPOS
EUROPEANPLATEOBSERVINGSYSTEM

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 DELIVERY FRAMEWORK

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.

GEOMAGNETIC OBSERVATIONS

NEAR-FAULT OBSERVATORIES

GEOLOGICAL INFORMATION AND MODELING

MULTI-SCALE LABORATORIES

VOLCANO OBSERVATIONS

SATELLITE DATA

GNSS DATA AND PRODUCTS

ANTHROPOGENIC HAZARDS
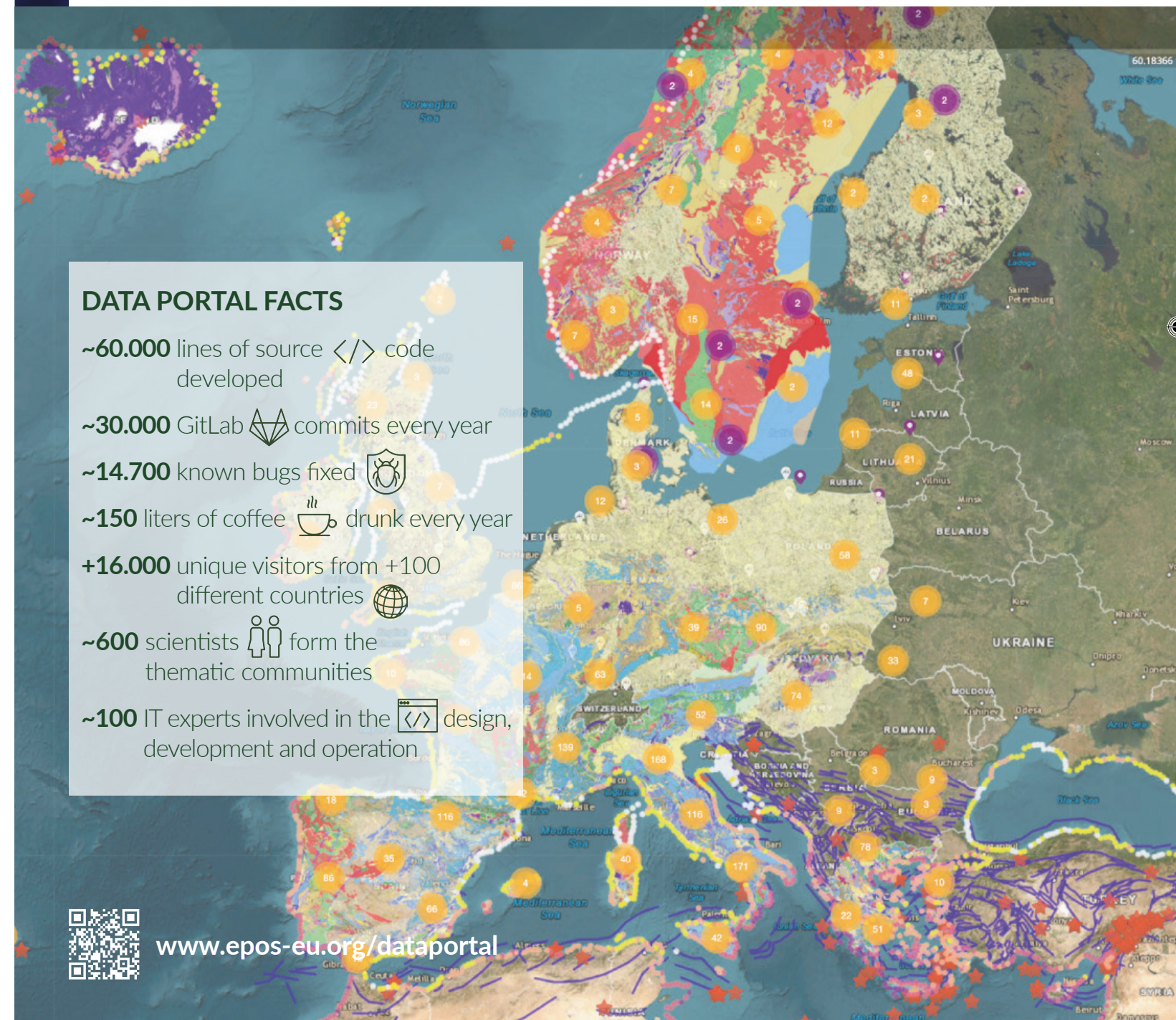
TSUNAMI

SEISMOLOGY

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

EPOS

the **DISTRIBUTED**
RESEARCH INFRASTRUCTURE
for **SOLID EARTH SCIENCE**
to **understand**
the **dynamics**
of **planet Earth**
for **a safe** and
sustainable society

DATA PLATFORM FACTS

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DATA PLATFORM FACTS

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        developed

~30.000 GitLab ▽ commits every year

~14.700 known   bugs fixed

~150 liters of coffee   drunk
        every year

+20.000 unique visitors   from +120
        different countries

~600 scientists   form the
        thematic communities

~100 IT experts involved in the   design,
        development and operation