EPOS FACTS

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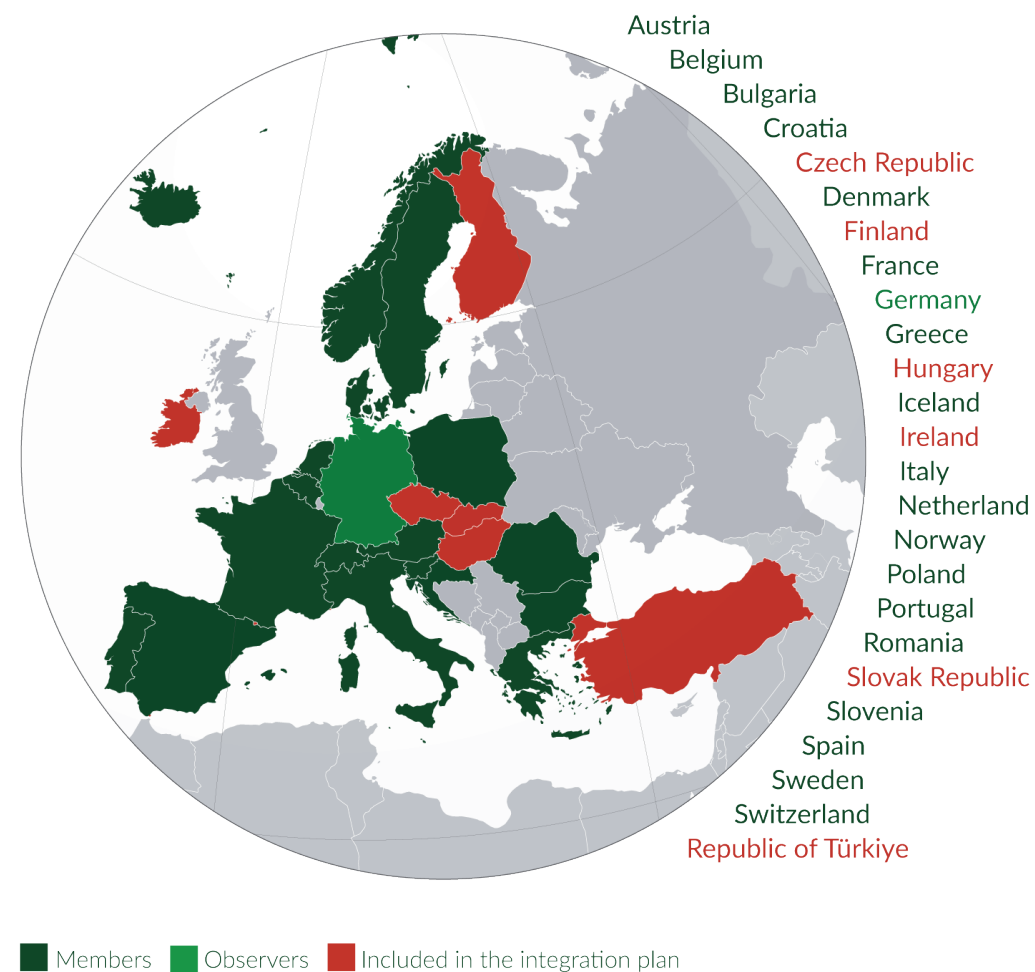
20 Countries in EPOS ERIC

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

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

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

■ Members ■ Observers ■ Included in the integration plan

www.epos-eu.org

EPOS
EUROPEANPLATEOBSERVINGSYSTEM

www.epos-eu.org
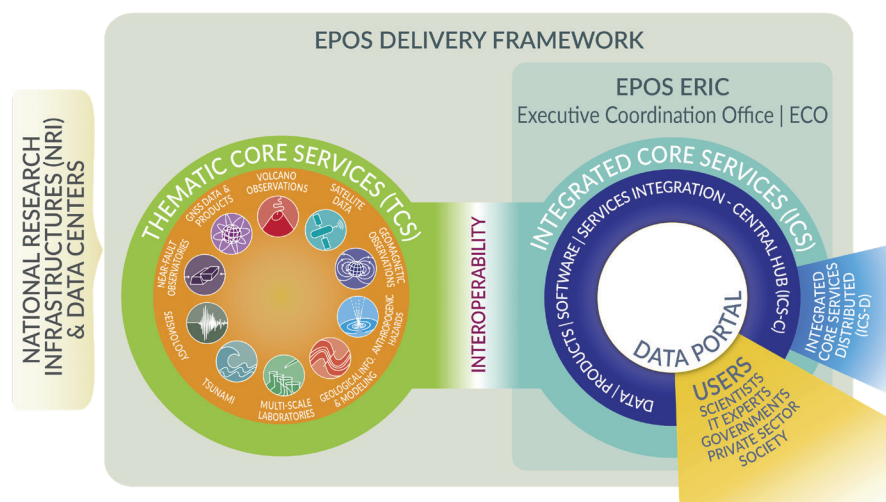
EPOS
EUROPEANPLATEOBSERVINGSYSTEM

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 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
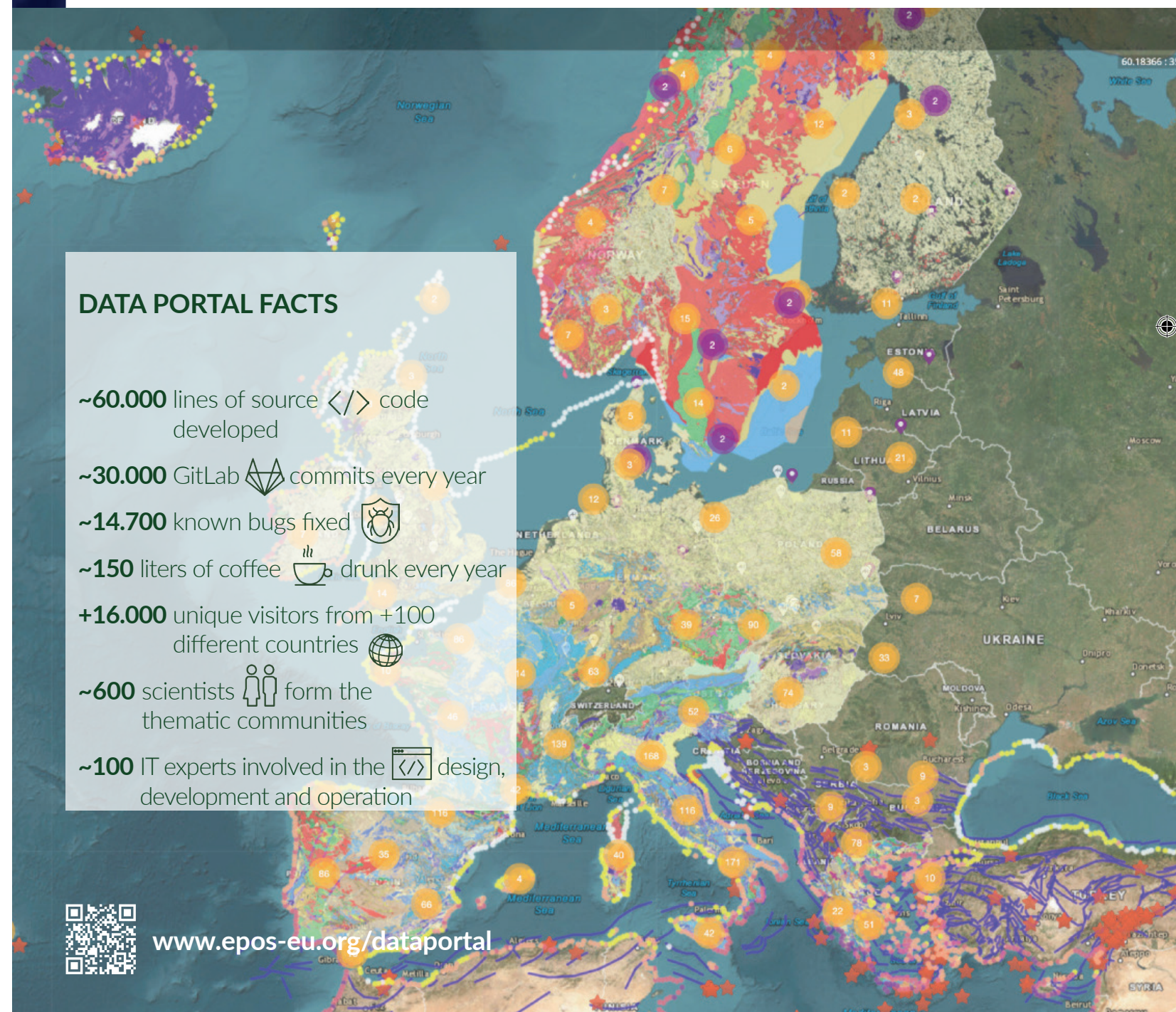
The **EPOS** Data Portal

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

~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

+20.000 unique visitors from +120
 different countries

~600 scientists form the
 thematic communities

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