The EPOS CUBE & solution guide

THE EPOS RESEARCH INFRASTRUCTURE

The European Plate Observing System (EPOS) is the distributed, sustainable, research infrastructure that integrates the diverse European research infrastructures for solid Earth under a common framework. The EPOS functional architecture can be represented through a four-layer cube; each layer corresponds to a key component of the EPOS delivery platform.

The EPOS Cube is made up of 24 edges, 8 corners and 24 centre pieces, like the 4x4 Rubik’s Cube.
GRAPHICAL USER INTERFACE (GUI)

Users will access the EPOS central hub of the Integrated Core Services through a GUI providing features such as search, filtering, visualisation and download as well as the option to configure web-services to perform workflows and processing.

INTEGRATED CORE SERVICES (ICS)

Integrated Core Services (ICS) are characterized by a central hub (ICS-C) that is the engine orchestrating tools and resources for managing the metadata and access to data, data products and services integrated within the EPOS research infrastructure. In future, the ICS-C will provide access to Distributed Services (ICS-D), i.e. distributed resources from e-infrastructure providers (HPC, HTC, visualisation, processing, etc.).

INTEROPERABILITY

The exchange of metadata between ICS and TCS is crucial to achieve integration and interoperability in EPOS. The interoperability layer captures, organises and harmonises information from different Thematic Core Services by adopting a standardized common metadata model.

THEMATIC CORE SERVICES (TCS)

Thematic Core Services (TCS) represent the community-specific integration where the data and services are made available in a standardized and harmonized framework to answer to scientific grand challenges. Currently 10 TCS are integrated in EPOS: Seismology, Near-Fault Observatories, GNSS Data and Products, Volcano Observations, Satellite Data, Geomagnetic Observations, Anthropogenic Hazards, Geological Information and Modelling, Multi-Scale Laboratories, Geo-Energy Test Beds for Low Carbon Energy.

Download here the EPOS CUBE flyer
EPOS CUBE SOLUTION GUIDE

The EPOS Cube gadget is made up of 24 edges, 8 corners and 24 centre pieces, like the 4x4 Rubik's Cube also known as The Rubik's Revenge.

The EPOS Cube faces:

The EPOS Cube has no fixed centre pieces and for this reason it is harder to solve! But don't worry, as it is for the EPOS challenge, it's going to be hard but hard is not impossible!

*Here in the Rubiks website videos and instructions to help you solve this famous game.*