

Advancing FAIRness and National Collaboration in Geosciences: The Role of EPOS-Spain in Open Science and Data Integration

EPOS-ES
EUROPEAN PLATE OBSERVING SYSTEM SPAIN

EGU General Assembly 2025

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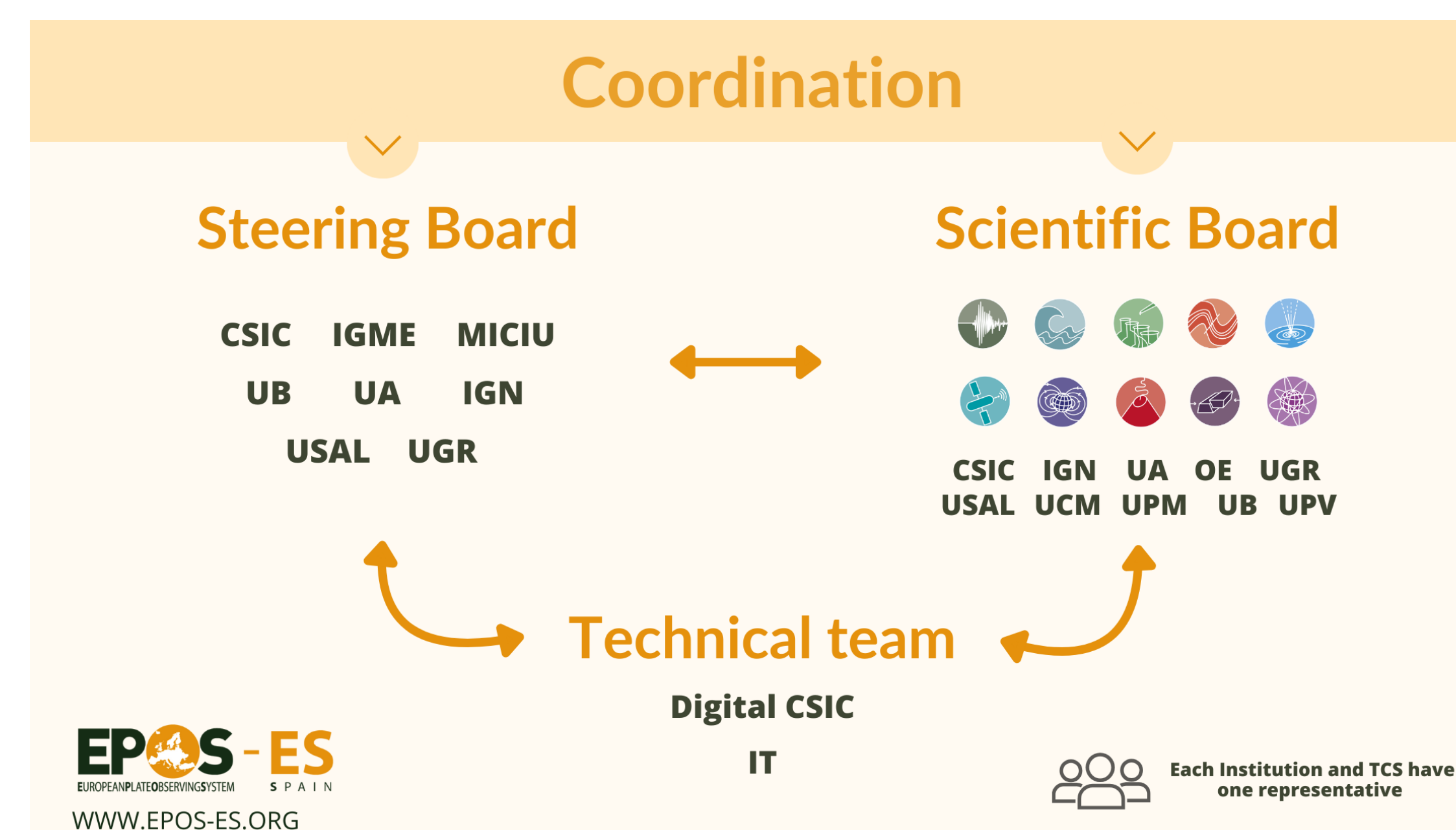
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What is EPOS-ES?

The European Plate Observing System (EPOS) (<https://www.epos-ip.org/>) is Europe's foremost infrastructure for multidisciplinary and global research in Earth Sciences. Serving as a unique gateway, EPOS offers access not only to raw data but also to data products, services, software, and research facilities, facilitating inter- and transdisciplinary collaboration across the geosciences.

EPOS-ES (<https://epos-es.org>) is the national node of EPOS in Spain and plays a critical role in implementing EPOS at the national level, aligning its efforts with the broader goals of the EPOS framework while addressing specific national needs. EPOS-ES also seeks advancing Open Science principles by enhancing the accessibility, interoperability, and reusability of geoscientific data and services. In this sense EPOS-ES has developed training resources designed to improve the FAIRness (Findability, Accessibility, Interoperability, and Reusability) of geoscientific data. Additionally, EPOS-ES works to promote the use of the EPOS Data portal.

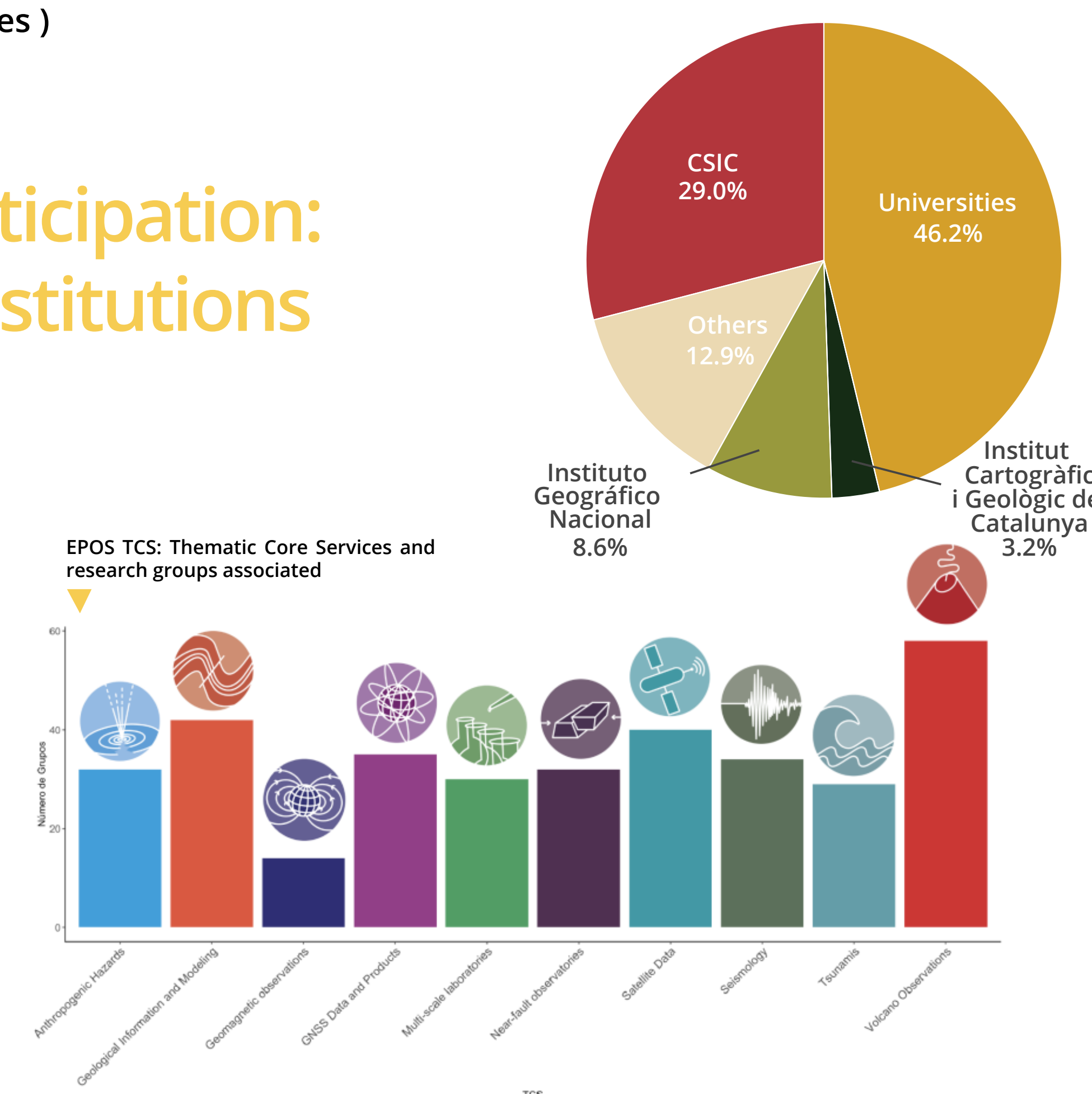
EPOS-ES GOVERNANCE



CSIC (Consejo Superior de Investigaciones Científicas), IGME (Instituto Geológico y Minero de España), MICIU (Ministerio de Ciencia, Innovación y Universidades), UB (Universidad de Barcelona), UA (Universidad de Alicante), IGN (Instituto Geográfico Nacional), USAL (Universidad de Salamanca), UGR (Universidad de Granada), OE (Observatori de l'Ebre), UCM (Universidad Complutense de Madrid), UPM (Universidad Politécnica de Madrid), UPV (Universidad Politécnica de Valencia).

Collaboration and Participation: The Role of Spanish Institutions

EPOS-ES is open to all Spanish research groups, institutions, and other stakeholders interested in collaborating and contributing to EPOS mission and the advancement of geosciences. To date, there are **96 research groups associated with EPOS-ES**, both providing data, data products, software, or services to the EPOS Data Portal and/or promoting the use of the portal.



Education and Training: Principal Activities

- **Summer Schools**
 - The 1st EPOS-Es Summer School (8-9/7/2024) at the University of Salamanca.
 - 2nd EPOS-Es Summer School (14-15/7/2025) at the University of Barcelona.
 - 2nd EPOS-Es Summer School (17-18/7/2025) at the University Complutense of Madrid.
- **Workshops and talks**
 - Presentations in several universities (URJC, UPM, UNIZA, UCM, UGR, UB and UA).
 - On-line talk on the assignment of IGSN to geological samples (26/09/2024) + Assistance to groups requesting our help.
- **Dissemination resources and materials**
 - EPOS-ES blog
 - Merchandising
 - YouTube video
 - FAIR principles cards
 - Instagram Reels
 - BlueSky dissemination

The Open Science culture in Spain is evolving, but further efforts are needed to fully consolidate it.

Future plans

- Develop additional FAIR Principles postcards tailored to each TCS, addressing specific community needs and examples.
- Enhance social media presence, especially on Instagram, building on its proven outreach potential.
- Produce more YouTube videos.
- Convert blog content into downloadable training materials easily accessible (e.g. Zenodo repository).
- Organize more Summer Schools at several universities.



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The collage includes several elements: a person sitting in a cave looking out at a mountain range; a QR code with the text 'Haz tu investigación FAIR'; a diagram titled 'LABORATORIO GESTIÓN DE DATOS' showing 7 steps for data management; a photo of a rock sample labeled 'Muestra'; a photo of a group of people in a meeting; and logos for EPOS-ES, SESAR², and IGSN.