

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

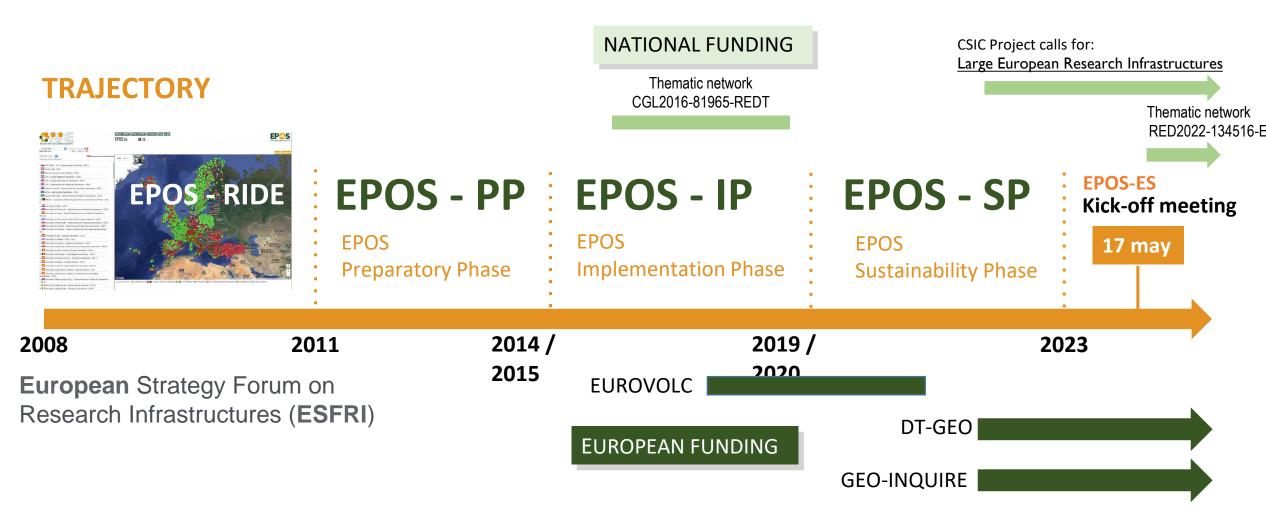
Adelina Geyer





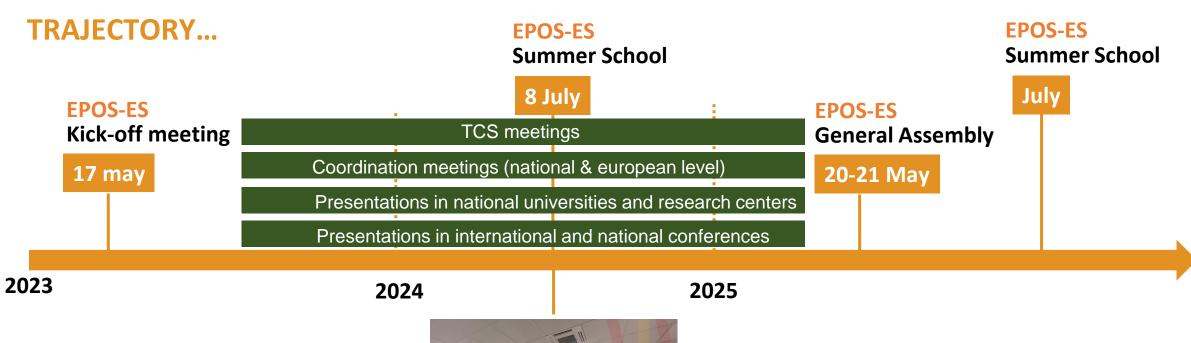


Introduction to EPOS-ES





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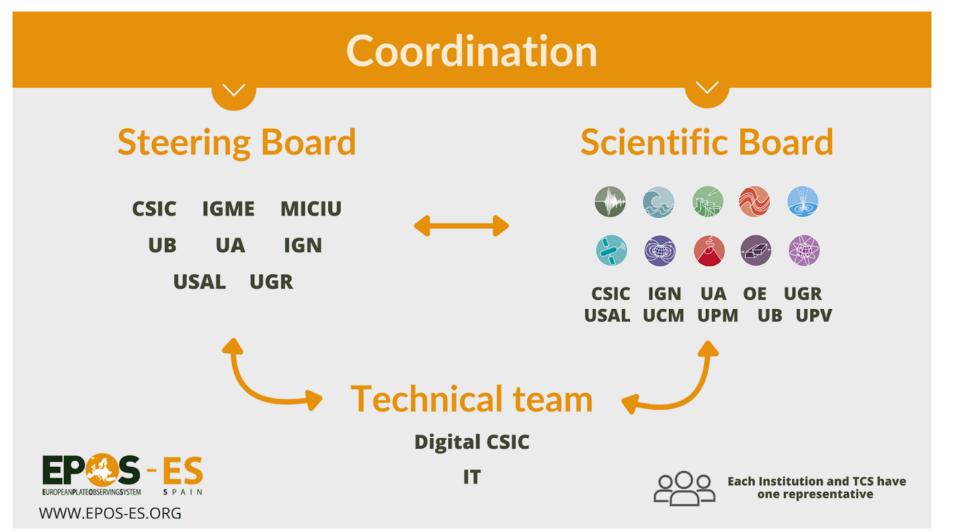






Introduction to EPOS-ES

Model of Organization:





National participation

- Database of specialists and working groups
 - Expression of interest form
 - Specific mailing lists for each TCSs and also for the entire network





* Indicates required question

Not shared

FORMULARIO DE CONSENTIMIENTO

Esta encuesta es parte de las actividades organizativas del nodo español de EPOS (https://www.epos-eu.org) coordinado por el Geo3BCN-CSIC. En particular, se planea recoger información sobre aquellos grupos de investigación de instituciones españolas que estén interesados en:

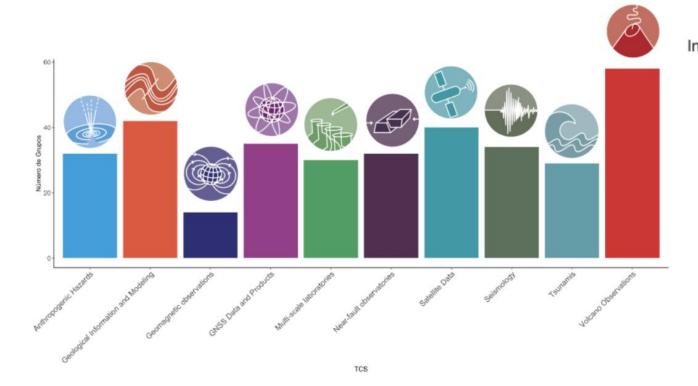
- * Recibir información sobre las actividades que se realizan dentro de EPOS tanto a nivel europeo como nacional.
- * Contribuir a EPOS proporcionando (o dando acceso a) datos, productos de datos, software o servicios.
- * Participar en las actividades (p. ej., reuniones, charlas, talleres) organizadas por EPOS tanto a nivel europeo como pacional

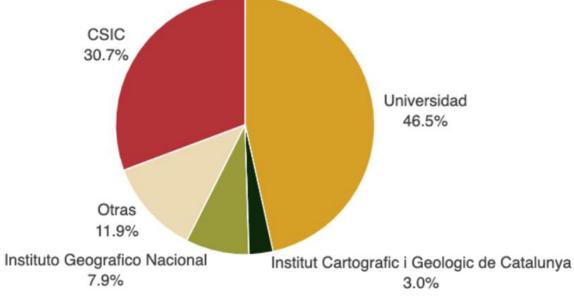
https://epos-es.org/



National participation

 Database of specialists and working groups (currently 96 groups!)









Education and Training: Principal Challenges

- Lack of FAIR data management culture in part of the Spanish geoscientific community
- Lack of variety and visibility of **training resources** and poor connection with institution.
- Need for coordination between different TCS, institutions and research groups to organize joint trainings.
 - → Starting Point: Training and outreach to encourage participation and adoption of FAIR practices.

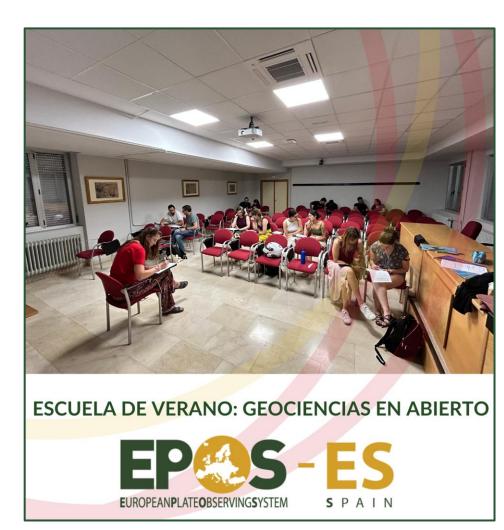
Pillars of Open Science, UNESCO (2021) - CC BY-SA 4.0





1. Summer Schools

- 1st EPOS-ES Summer School in the University of Salamanca. Content:
 - Open Science principles and initiatives.
 - Open repositories in Geosciences.
 - Introduction to EPOS.
 - Round table: advantages and disadvantages of Open Science.
 - Session hands-on EPOS.
 - Open Science Dissemination and Outreach: Communicating Geosciences to Society.





1. Summer Schools

- 1st EPOS-ES Summer School in the University of Salamanca. Results:
 - General positive feedback but lack of participation in the satisfaction survey to draw a meaningful analysis.

Future plans:

- Collaboration to EPOS-EU Summer School in Olot (June 2025).
- New editions EPOS-ES Summer School at the University of Barcelona and Complutense University of Madrid (July 2025).



DAY 1

Session 1 (10-12 am):

- 1. Open Science and FAIR Data Olaya Dorado (CSIC).
- 2. Understanding licensing in Open Science Adelina Geyer

Session 2 (12-2pm):

- 1. Repositories for Earth Science Olaya Dorado.
- 2. Open Sciences in Geoscience: international and national iniciatives - Adelina Geyer.



Interactive Session (4-6 pm):

A.1: How to do your research FAIR? Some examples applied to Earth Science -Adelina Geyer, Olaya Dorado

A.2: Round table - Advantages and pitfalls of doing your science in Open Science.



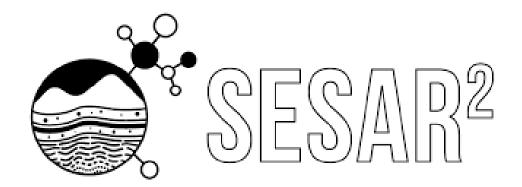






2. Workshops and talks

- Presentations in several universities (URJC, UPM) to approach EPOS-ES to different communities.
- Online talk on the creation of IGSN to geological samples (September 26, 2024)
 - + Assistance to groups requesting our help

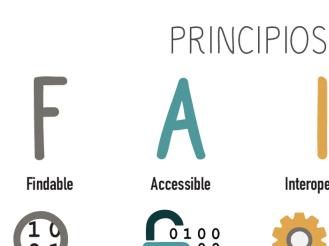






3. Dissemination Resources and Materials

- FAIR Postcards (Sampling, Geochemical Data).
- EPOS-ES blog with Open Science content.
- Merchandising (bags, notebooks...)
 and increased presence in networks
 (LinkedIn, migration to Bluesky, new
 Instagram).
- Youtube video explaining the creation of IGSNs.





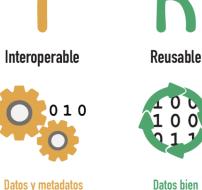
Datos fácilmente

localizables, con

identificadores únicos y

metadatos detallados

v accesibles.



compatibles con otras

herramientas y fuentes de

datos, utilizando estándares

y lenguajes comunes.

Datos bien documentados con licencias claras que permitan su uso en diferentes contextos.



3. Dissemination Resources and Materials





DOI 10.5281/zenodo.12819014

DOI 10.5281/zenodo.14770433



3. Dissemination Resources and Materials







3. Dissemination Resources and Materials



IOME EPOS-ESPAÑA

EVENTOS

PARTICIPANTES *

RECURSOS -

NOTICIAS

CONTACTO

EPOS DATA PORTAL



¿Cómo hacer que tu muestreo de rocas cumpla con los principios FAIR?

7 de febrero de 2025

Los principios FAIR aseguran que los datos científicos sean fáciles de encontrar, accesibles, compatibles con otras herramientas y reutilizables para futuras investigaciones. Normalmente, cuando pensamos en el cumplimiento de los principios FAIR solemos pensar en conjuntos de datos, o bases de datos, pero, como profesionales en geología, ¿cómo lo podemos aplicar al trabajo de campo...

Read more »



¿Qué es la Ciencia Abierta y por qué son importantes los Principios FAIR?

30 de enero de 2025

La Ciencia Abierta es un movimiento que promueve el acceso libre y transparente a la investigación científica. Su objetivo es hacer que el conocimiento esté disponible para todos, fomentando la colaboración, la • EPOS-ES blog with Open Science content.

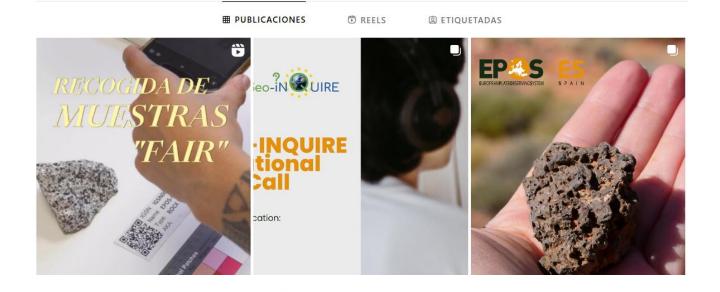


EPOS-ES in social Networks.
 Ej. Instagram (@epos.es)

3. Dissemination Resources and Materials













3. Dissemination Resources and Materials



 Youtube video explaining the creation of IGSNs.



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 (ej. Zenodo repository).
- Organize more Summer Schools in several universities.



Thank you!



https://epos-es.org/





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