

Supporting Data Repositories to boost data FAIRification

ScienceMesh is an interoperable mesh of collaborative data stores with connected research data services. It is under development through the [CS3MESH4EOSC project](#), and once delivered will support flexible and accurate sharing of research data from early stages of the data lifecycle.

Friction-free data collaboration across Europe

The **ScienceMesh** will contribute to the early stages of research data collection, where data is collected, processed and analysed, as well as when the research has concluded, requiring the same data to be published and shared. The ScienceMesh will be a horizontal infrastructure which can be used regardless of the scientific domain of the data user. By **Autumn 2023**, the ScienceMesh will be open to researchers, service providers, software developers and all those interested in friction-free data collaboration across Europe.

The ScienceMesh believes in FAIRness

As a project ScienceMesh has pledged to help researchers turn the unstructured live data it holds into well-annotated, well-packaged collections, ready for deposit. To this end, it is building an **Open Data Systems service** (one of the [4 categories of services](#) from the ScienceMesh). This service allows users to **organise work-data via tagging and metadata assignment and publish datasets with PIDs directly on ScienceMesh sites or to external data repositories**. Metadata can also be retained by ingesting files into the mesh and later on to connect data collections to third party systems (e.g. archives) enriched by metadata.

To ensure the data is “FAIR-ified” properly (where FAIR data management practices are applied), **it’s crucial that data becomes more trustworthy, with data properly maintained and also shared through adequate annotation, so it can be deposited more robustly**. This gives researchers the assurance that their research results will be managed, curated, and archived in such a way to preserve the initial investment in collecting them. It’s imperative that research data needs to be accessible and preserved research data, as well as usable over the long-term.

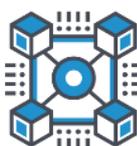
ScienceMesh wants to joins forces with the SSH Open Cluster to shout out to SSH Repositories and Research Infrastructures to make this a reality for researchers. It is a convenient gathering place for live data to coagulate, maximising the value of data, right from the early stages of the data life cycle.

SUBSCRIBE TO OUR NEWSLETTER TO BE INFORMED OF WHEN THE FREE OPEN DATA SERVICES WILL BE OPEN AND FREE TO YOUR REPOSITORY

<https://cs3mesh4eosc.eu/cs3mesh4eosc-newsletter-subscribe>



Science
Mesh



Open Data
Systems

Figure 1 ScienceMesh and Open Data Systems logos

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CS3MESH4EOSC in a Nutshell

- Funded under the H2020 INFRAEOSC-02-2019 - Prototyping new innovative services programme of the European Commission
- Starting date: January 1, 2020, with a 24 months' duration
- 12 partners from 10 member states
- <https://cs3mesh4eosc.eu/>
- Twitter: [@cs3org](#) #CS3MESH4EOSC
- LinkedIn: [/company/cs3mesh4eosc/](#)
- Newsletter: <https://cs3mesh4eosc.eu/cs3mesh4eosc-newsletter-subscribe>
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