



HYBRID EVENT

**22 June 2023**

11:00 - 17:45 CEST



Location: Poznan (Poland),  
*co-located with EGI Conference*



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Manager

*ESADE*



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CS3MESH4EOSC  
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*CERN*

**Science Mesh** - Unlocking  
Open Science & Collaborative  
Research Landscape

***Science Mesh next  
developments and  
successful business  
case - What lies  
ahead?***

*Room Paris | 17:15-17:30 CEST*



CS<sup>3</sup>  
MESH<sup>4</sup>  
EOSC

Connecting European Data



## ScienceMesh - What lies ahead?

Pedro Ferreira (CERN)

CS3MESH4EOSC Final Event – Poznan, 22 June 2023



CS3MESH4EOSC has received funding from the European Union's Horizon 2020 Research and Innovation programme under **Grant Agreement No. 863353**.



26/06/2023



**Science  
Mesh**

**Where are we?**

### # Pre-production (5 sites)

- # PSNC
- # CESNET
- # SURF
- # WWU
- # CERN\*



## # Development

- # Stabilization of REVA-intermediated transfers (essential for OCIS)
- # Dialogue with vendors to ensure bug fixes are included in stable versions

## # Deployment

- # FDTD – “Federated Deployment Task Force” – coordination of deployment effort throughout the road to production
  - # Moving remaining nodes (7) to pre-production, and consequently to production
- # Continuous improvements in documentation of processes

	To					
From	Pondersource OC	Pondersource NC	PSNC NC	CESNET OC	SURF OC	WWU
Pondersource OC						
Pondersource NC						
PSNC NC						
CESNET OC						
SURF OC						
WWU						



**Science**  
**Mesh**

**Where are we ~~we~~ going?**

## # Technical Development

- # Advancing the OCM standard
- # Updates on ScienceMesh app and Reva
  - # ScienceMesh Applications v2

## # Onboarding

- # Moving current nodes to production (pending technical work)
- # Onboarding new partners





## # Continuation work

- # Follow-up Project – growing list of interest parties
- # Subset of consortium + other friends working on a proposal for a EOSC

**Are you interested? Let us know!**

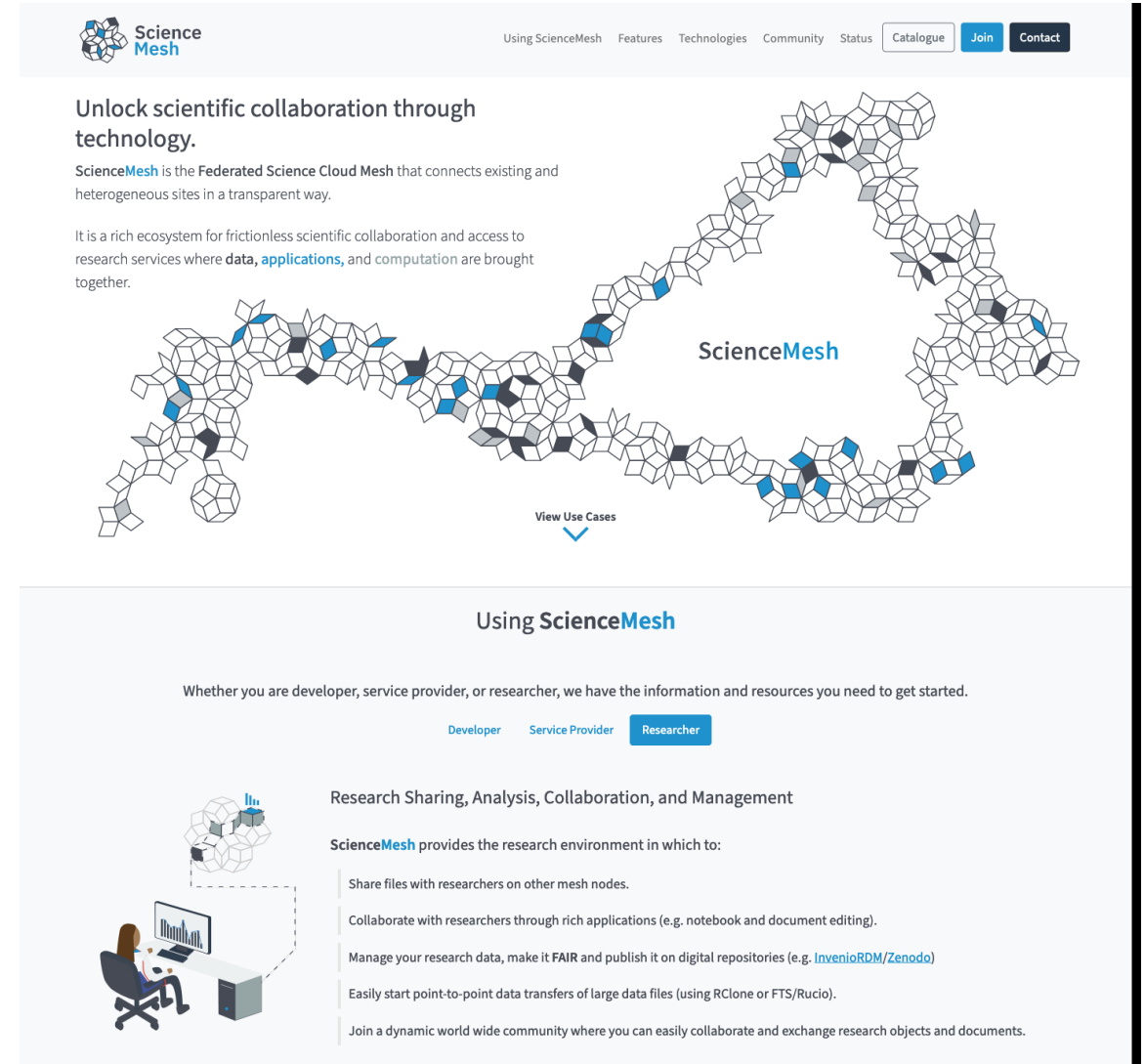




- # We managed to prototype and bring to pre-production state the base technologies of the mesh
- # The consortium remains committed to a move to production, despite the formal end of the Project
  - # It will live on through the ScienceMesh's administrative bodies
- # Some of these questions will be clarified tomorrow, at the last All-hands Project Meeting.

<https://sciencemesh.io>

- General information about platform
- Application Catalogue
- Documentation resources
  - *e.g. how to set it up?*



The screenshot shows the ScienceMesh website. At the top, there is a navigation bar with the ScienceMesh logo, a list of links (Using ScienceMesh, Features, Technologies, Community, Status, Catalogue, Join, Contact), and a 'Join' button. The main content area features a large, stylized graphic of a mesh structure composed of interconnected cubes, with the text 'ScienceMesh' in the center. To the left of the graphic, there is a heading 'Unlock scientific collaboration through technology.' followed by a paragraph: 'ScienceMesh is the Federated Science Cloud Mesh that connects existing and heterogeneous sites in a transparent way.' Below this, another paragraph states: 'It is a rich ecosystem for frictionless scientific collaboration and access to research services where data, applications, and computation are brought together.' A 'View Use Cases' link with a downward arrow is positioned below the graphic. The bottom section is titled 'Using ScienceMesh' and contains a paragraph: 'Whether you are developer, service provider, or researcher, we have the information and resources you need to get started.' Below this, there are three tabs: 'Developer', 'Service Provider', and 'Researcher'. The 'Researcher' tab is selected. To the left of the text, there is an illustration of a person sitting at a desk with a laptop, connected to a cloud network. The text on the right lists the following: 'Research Sharing, Analysis, Collaboration, and Management' and 'ScienceMesh provides the research environment in which to:' followed by a list of bullet points: 'Share files with researchers on other mesh nodes.', 'Collaborate with researchers through rich applications (e.g. notebook and document editing).', 'Manage your research data, make it FAIR and publish it on digital repositories (e.g. InvenioRDM/Zenodo)', 'Easily start point-to-point data transfers of large data files (using RClone or FTS/Rucio).', and 'Join a dynamic world wide community where you can easily collaborate and exchange research objects and documents.'



<https://sciencemesh.io>

<https://gitter.im/sciencemesh/community>

<https://github.com/sciencemesh>



**Thank you!**  
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