



FINAL EVENT

HYBRID EVENT

22 June 2023

11:00 - 17:45 CEST



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

Science Mesh - Unlocking Open Science & Collaborative Research Landscape



Andreas Klotz

Head of Helmholtz
Federated IT Services

HIFIS



Wojciech Stefaniak

Machine Learning and Robotics
Engineer

*Poznan Supercomputing and
Networking Center*



Robert Schade

University of Paderborn

HPC.NRW



Xavier Espinal

Engagement Lead for Research and
Computing Sector

CERN

Chaired by:



Pedro Ferreira

CS3MESH4EOSC technical
coordinator

CERN

**Panel 1: Trends & Priorities for cross-
border multi-disciplinary science
collaboration & innovative technical
partnerships**

Room Paris | 12:15-13:00 CEST

Xavier Espinal
(Engagement Lead for Research and Computing Sector at CERN and member of ESCAPE former project)



- ESCAPE builds a VRE based on very similar components as Science Mesh data environments (Jupyter & Storage). Between ESCAPE and CS3MESH4EOSC we also run a common mini-project to add Data Management interfaces with RUCIO to the Jupyter layer and demonstrated interoperability between the two infrastructures.

How do you see Science Mesh to play a role for research and scientific role in future ESCAPE activities and big infrastructures (such as WLCG and SKAO)?

- The collaboration between ESCAPE and CS3MESH4EOSC has been recognised as an EOSC in Practice story (note: put image on the slide).

What is the main novelty of this collaboration and what is the next step to bring it further beyond and positively impact society?

Andreas Klotz
(Head of Helmholtz Federated IT
Services - HIFIS - Cloud Cluster at HZB)



- What role do you see for Science Mesh to play in the HIFIS federation? Do you see it more as a way to interconnect HIFIS nodes within the federation with invitation workflow or more as a gateway towards sites outside of HIFI federation?
- In your opinion, what future developments the Science Mesh should focus on to better support you in serving your community?

Wojciech Stefaniak
(Machine Learning and Robotics at
PSNC's Advanced Visualisation and
Interaction Department)



- What has been/will be the main value-added of the Science Mesh can bring into the digital education solution? How artificial intelligence technologies & Science Mesh can better collaborate together?
- What role can the Science Mesh play in education? How can cross-communication between Universities be leveraged?
- Thanks to the Science Mesh, secondary students can now benefit from complex technologies (e.g. AI) in their educational progress. **How EFSS and jupyter interfaces allow this?**

Robert Schade
(University of Paderborn and
member of HPC.NRW project)



- EFSS integrated natively with storage may be serving as a user-access layer to the (traditionally closed) HPC filesystems. Files produced in the HPC filesystem may easily be reached from the user environments and results exported. Also some smaller files or data-sets may easily be imported from user environments to HPC filesystems.

Do you see this as a use-case for ScienceMesh in HPC?

- **How should the Science Clusters and their RIs ensure that their cross-RI services and open science projects can be consolidated into EOSC?**



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