

# OCM Workshop @ CS3 2022



OPENCLOUDMESH



[cs3community.org](https://cs3community.org)

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# OCM

## Open Cloud Mesh Protocol

- Started as Federated Sharing functionality before 2015
  - And involving Owncloud, Nextcloud and Seafile...
- Vision
  - OCM defines a vendor-neutral, common file access layer across an organization and/or across globally interconnected organizations, regardless of the user data locations and choice of clouds.






# Timeline overview

- 2015-2018 an initiative managed by GEANT
  - A lot of progress on the protocol and keeping the interest up
- Consolidation under the CS3 ORG community umbrella
  - [At CS3 2020](#) we decided move OCM to CS3 ORG
  - [OCM Next Steps workshop in June 2020](#)
  - [OCM workshop at CS3 2021](#)

# Status

- Produced version 1.0 of the specification in July 2020
  - <https://github.com/cs3org/OCM-API>
- Continued work with the vendors to implement the spec (e.g. Seafile talk)
- A new stakeholder arrived: [CS3MESH4EOSC](#) project (Science Mesh)
- CS3MESH4EOSC-sponsored OCM interoperability work
  - [OCM test suite](#)

# This workshop

<b>OCM - next steps?</b>	<i>Jakub Moscicki</i>
	15:00 - 15:10
<b>OCM test suite</b>	<i>Michiel de Jong</i> 
	15:10 - 15:30
<b>ScienceMesh - Invitation Workflow Implementation</b>	<i>Milan Danecek</i> 
	15:30 - 15:40
<b>An OCM protocol extension to support data transfer in the mesh</b>	<i>Antoon Prins</i> 
	15:40 - 16:00
<b>Some thoughts about OCM-over-ScienceMesh</b>	<i>Michiel de Jong</i> 
	16:00 - 16:20
<b>Group-owned shares</b>	<i>Michiel de Jong</i> 
	16:20 - 16:40

# Objectives & Next Steps

- Can we agree to produce version 1.1 ?
  - *Reach out to EFSS vendors about Invitation Workflow and DataTX options to identify any blockers for platform integration*
  - *Anything else we want in v. 1.1? To be discussed <https://gitter.im/cs3org/OCM>*
    - *Notifications — can we bring them back to version 1.1?*
    - *Group Sharing is interesting but complex (GDPR, technicalities).*
      - *Discussion will perhaps take us beyond v.1.1*
      - *Reach out to compare existing functionality from EFSS products*
        - *e.g. Nextcloud circles, Owncloud Project Spaces*
        - *ScienceMesh groups discussion documentation provided by David*

# Objectives & Next Steps

- How do we follow up on the actual EFSS compatibility?
  - *Approach EFSS vendors to include the test suite (regression testing of public releases)*
- Next OCM workshop in June 2022 ?
  - *Request the OCM compatibility update from the EFSS vendors*
  - *Publish the “OCM compatibility matrix” for EFSS platforms*
  - *Engage CS3 sites to test the implementation in the OCM testbed (actual infrastructure)? Could offer a ScienceMesh testbed.*
  - *Tag version 1.1*