



CS3MESH4EOSC

CS3MESH4EOSC and OCM

Pedro Ferreira (CERN), OCM Meeting
24 June 2020



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 863353.

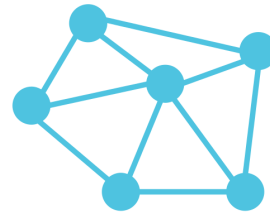




CS3MESH4EOSC



Sync and Share services
User environments
Higher-level application services



Federation of nodes
Seamless exchange of data
Groups of (remote) users
Higher-level distributed applications
ScienceMesh



"[...] trusted, virtual, federated environment in Europe to store, share and re-use research data across borders and scientific disciplines."

FAIR Data



Partners

AARNET

Ailleron / Software Mind

CERN

CESNET

CUBBIT

DTU / DeiC

ESADE

JRC

PSNC

SURFsara

SWITCH

WWU Münster



Partners

AARNET

Ailleron / Software Mind

CERN

CESNET

CUBBIT

DTU / DeiC

ESADE

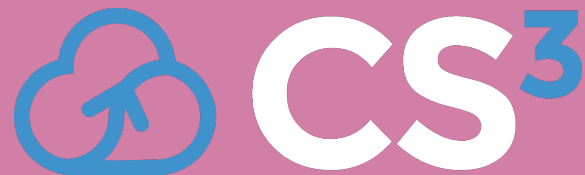
JRC

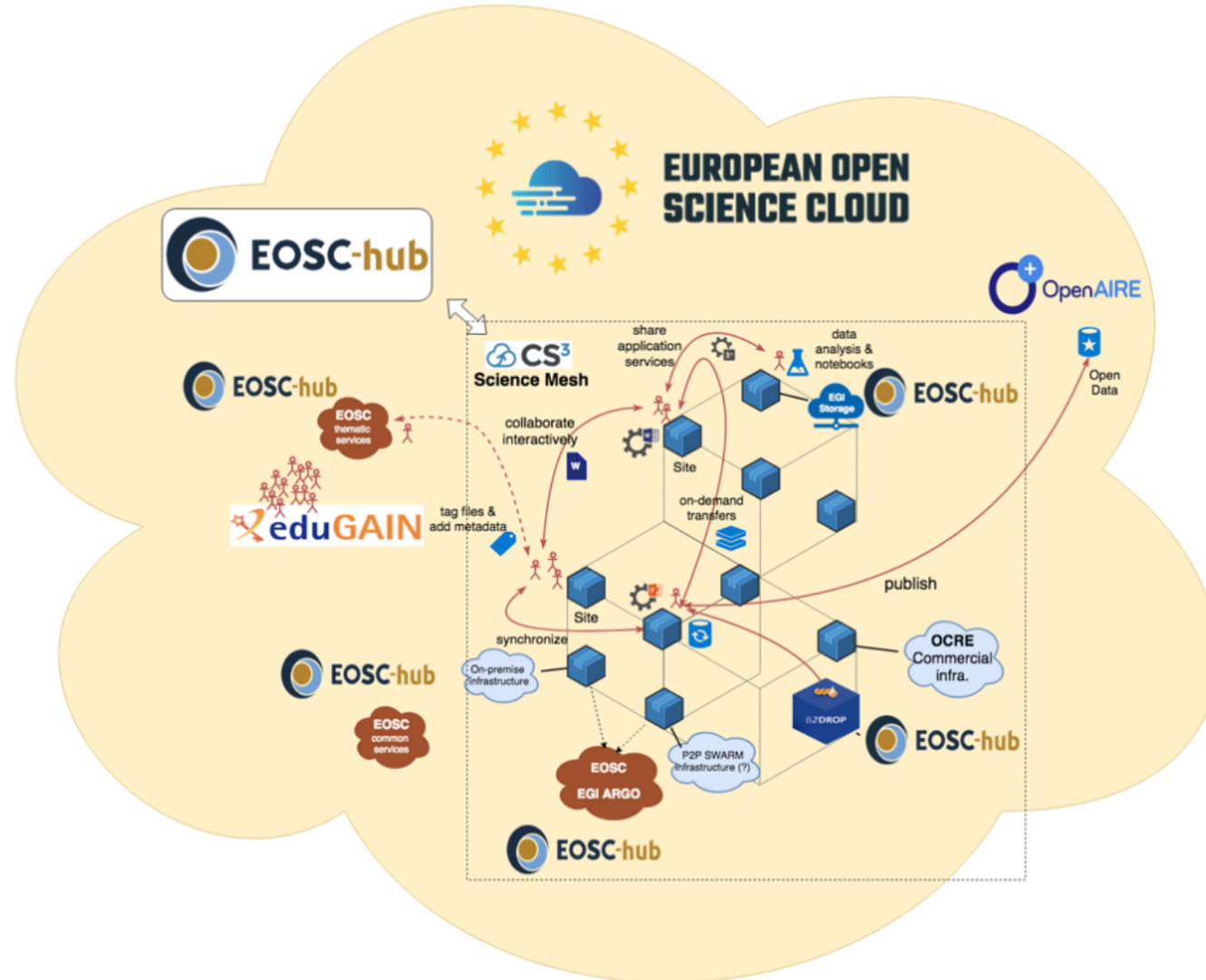
PSNC

SURFsara

SWITCH

WWU Münster







Technologies

OCM

Sharing files across servers

Multi-vendor

CS3APIs

Storage ↔ Research Services

Multi-vendor

WOPI

OAuth2 / OIDC

WAC

...



OCM

Authentication / Identity

Optional endpoint for user discovery

(e-mail, QR codes, ...)

Applications

Additional workflow/protocol for direct data transfers



Thanks!

pedro.ferreira@cern.ch

@pferreir



** CS3MESH4EOSC logo licensed under CC BY-NC-ND-4.0. All logos are property of the corresponding institutions/partners.*

** Mesh icon in slide 2 by Mohamed Mbarki from the Noun Project*