



OPENCLOUD**MESH**

An open standard to interconnect  
private clouds globally.

*19 January 2016*

# OpenCloudMesh



OPENCLOUDMESH

- ❖ Initiated by ownCloud, a joint international initiative under the umbrella of the GÉANT Association
- ❖ Connects Private Clouds of Universities, Researchers and companies worldwide
- ❖ Universal File Access beyond the borders of individual Clouds (YADS)
- ❖ Open API for Server-to-Server-Sharing / Federated Cloud Sharing enables safe sharing between those clouds
- ❖ OpenCloudMesh != ownCloudMesh

# Our Vision



OPENCLOUDMESH

To enable  
**secure, open,**  
**frictionless,**  
file sharing, **everywhere**



# Open Cloud Mesh Standard



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- ❖ An open and vendor agnostic standard for private cloud interoperability

## Why

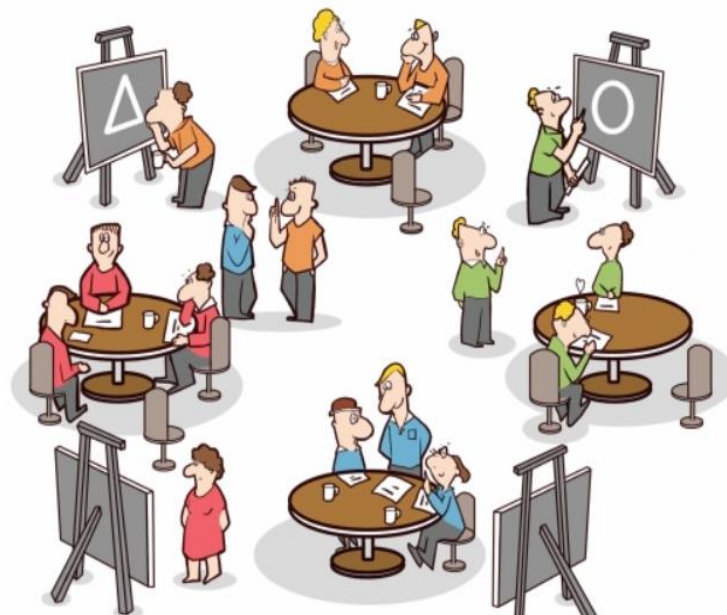
- ❖ Science and research in its open and peer reviewed nature has become a truly globalized project, YADS problem
- ❖ Not only applicable to the science and research community as
  - » data silos everywhere
  - » Data volume is increasing, esp. on unstructured data
  - » Internal and external collaboration worldwide

# Preamble – Working Groups



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- ❖ Technical and Operational Working Groups under the umbrella of the GÉANT Association
- ❖ Goal of the group: ensuring neutrality and a clear context for this project
- ❖ Open to global collaboration from all countries and sectors

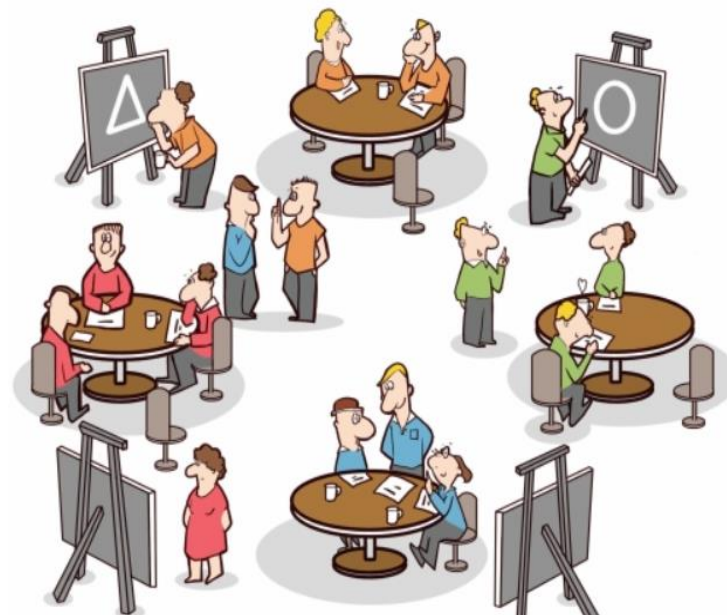


# Previous Steps – Working Groups



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- ❖ OCM drafts kicked off,
- ❖ Iterations and feedback included, both conceptually and in regard to technical specs
- ❖ Testing and proof of intra-cloud sharing conducted

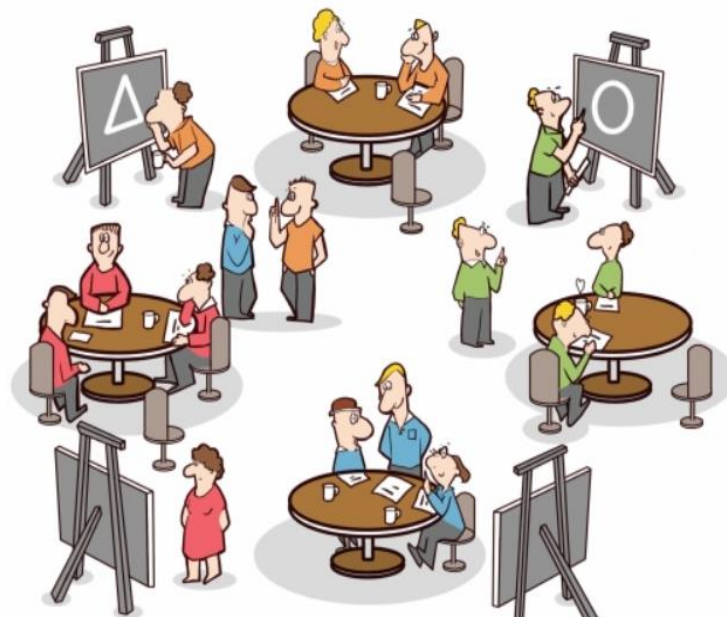


## Previous Steps – Formalized



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- ❖ Established+confirmed joint project lead on Oct. 22<sup>nd</sup> in Vienna
- ❖ Established as working Group under GÉANT
- ❖ Leadership a joint cooperation by GÉANT and key stakeholders
- ❖ CERN, GÉANT and ownCloud representatives

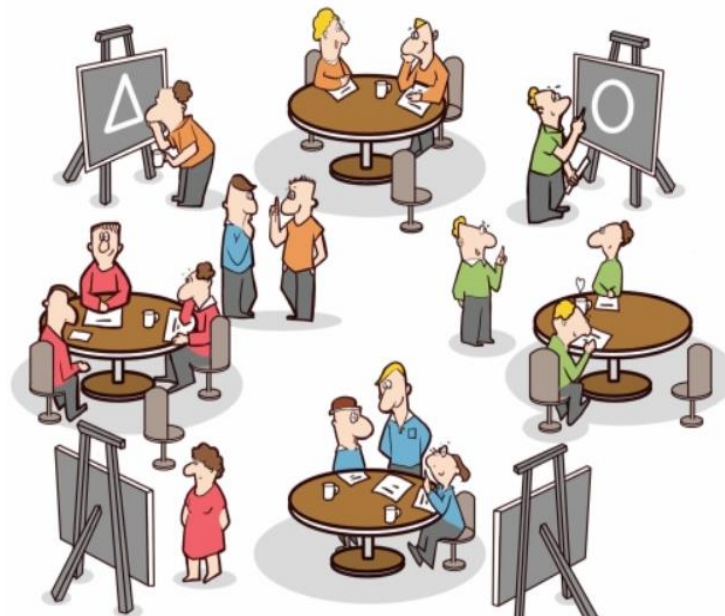


# Next Steps – Working Groups



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- ❖ Involve feedback into next iterations
- ❖ Identify key area of expertise of stakeholders
- ❖ Actively enable committed parties such as EUDAT, IBM, others
- ❖ Discuss with other Vendors



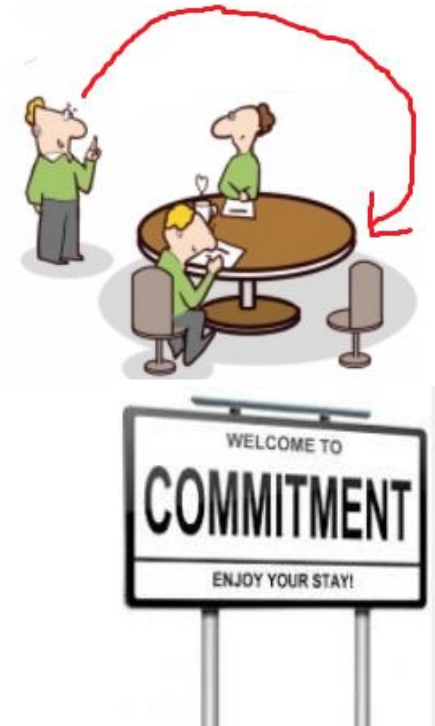


# Next Steps – Working Groups



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## ❖ Your Contribution



# Next Steps – Working Groups



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## ❖ Your Contribution

❖ <https://wiki.geant.org/display/OCM/Open+Cloud+Mesh>



# Why commit – Working Groups



OPENCLOUDMESH

- ❖ Shape the standard
  - » The first global research cloud
  - » Completely vendor and technology agnostic
- ❖ Efficient cross-border collaboration for YOUR researchers
- ❖ Local integration and control with infrastructure



# Get involved!



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- ❖ Subscribe TODAY to [ocm-all@geant.org](mailto:ocm-all@geant.org)
- ❖ Tell your expert friend about it
- ❖ Outline areas of expertise where you could commit and provide feedback
- ❖ Provide Feedback ASAP
- ❖ Next virtual meeting early February. Date will be coordinated via doodle on [ocm-all@geant.org](mailto:ocm-all@geant.org) (mail will go out on 21.01.2016)

