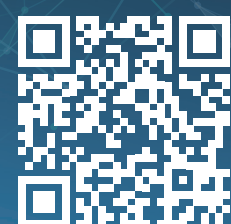




Cloud Services for Synchronisation and Sharing Conference

11-13 March 2024, CERN

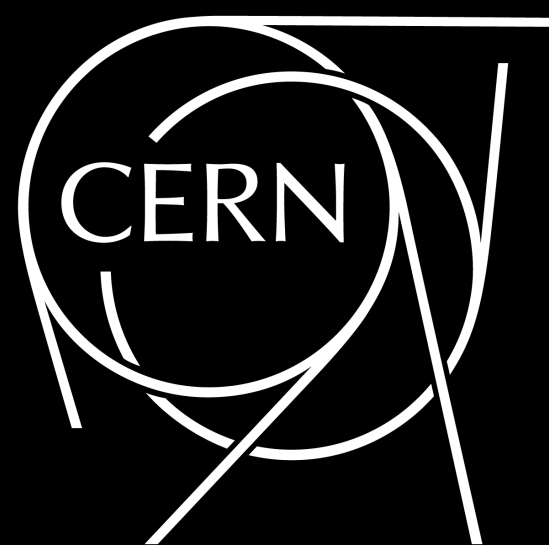


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Organising committee



ETH zürich



TECH WEEK STORAGE 24



Open Source Storage Technologies for the Exabyte Era

CS3 Conference	11-13 March
CERN Storage Day	14 March
EOS Workshop	15 March
CTA Workshop	18-19 March

Organised by

techweekstorage.web.cern.ch



Cloud Services for Synchronization and Sharing

11-13 March 2024

Welcome

Jakub T. Mościcki, CERN-IT

on behalf of all CS3 2024 organisers



cs3community.org

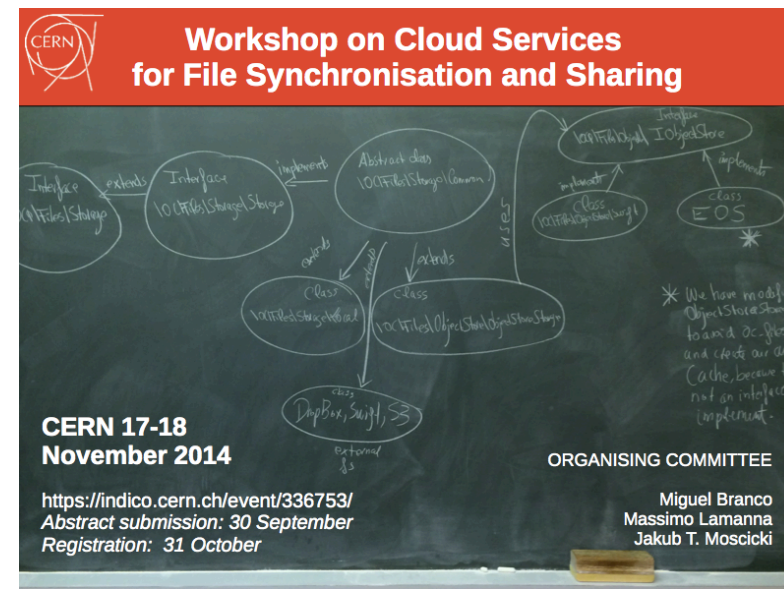
TECH WEEK
STORAGE 24

A journey to the 10th edition

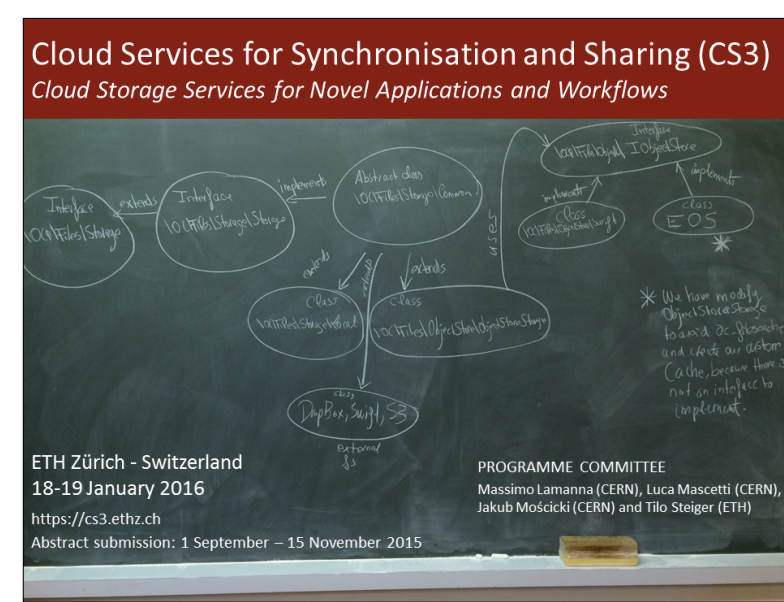
... since 2014



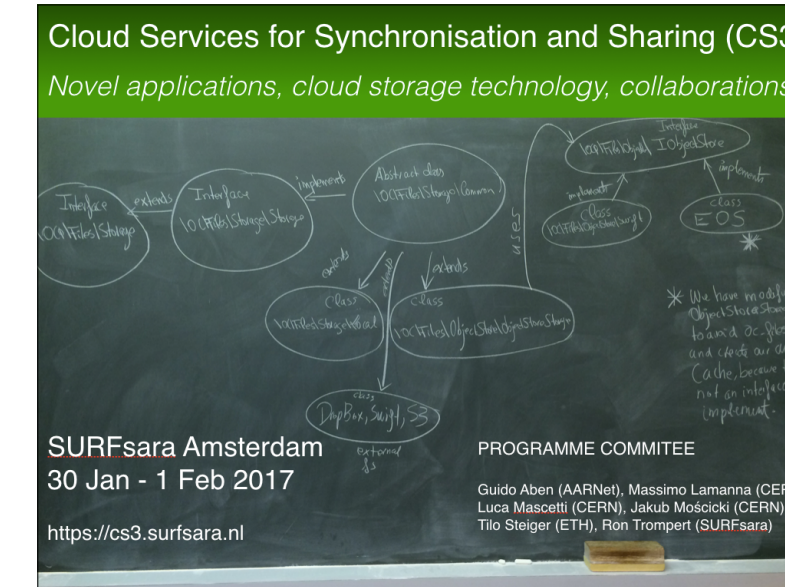
- Started as a **one-off technical meeting** to exchange experience on service deployment
- Evolved into a **discussion and collaboration space in a wider context**
 - Sovereign ICT infrastructure
 - Institutional workflows and regulatory frameworks
 - Research environments: integration with the site research services
 - Interoperability and federation
 - European digital strategy
 - ...
- A unique community which crosses traditional boundaries of existing communities
- Diverse actors
 - Universities, Research Organisations, International Organizations, NRENS, Commercial Companies & SMEs, European Commission, ...



Genève 2014



Zürich 2016



Amsterdam 2017



Kraków 2018



Barcelona 2023

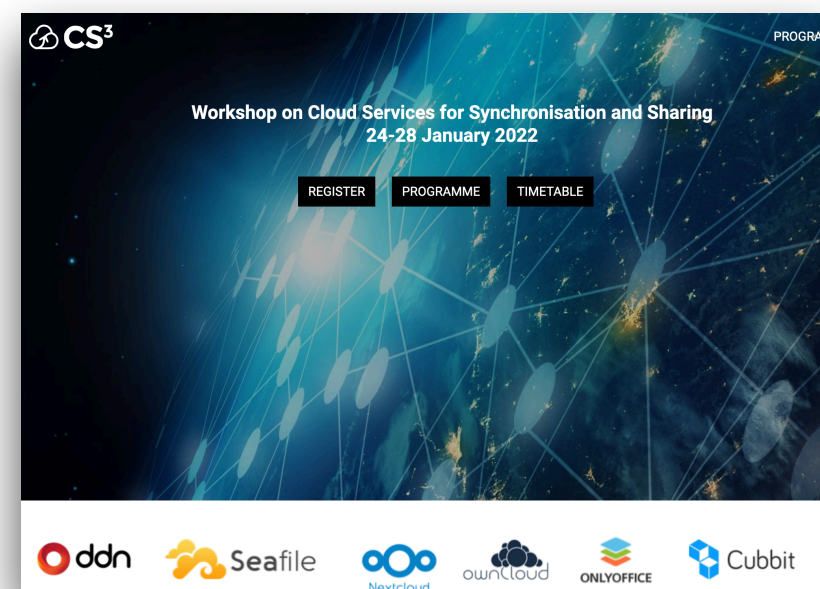
530
Presentations



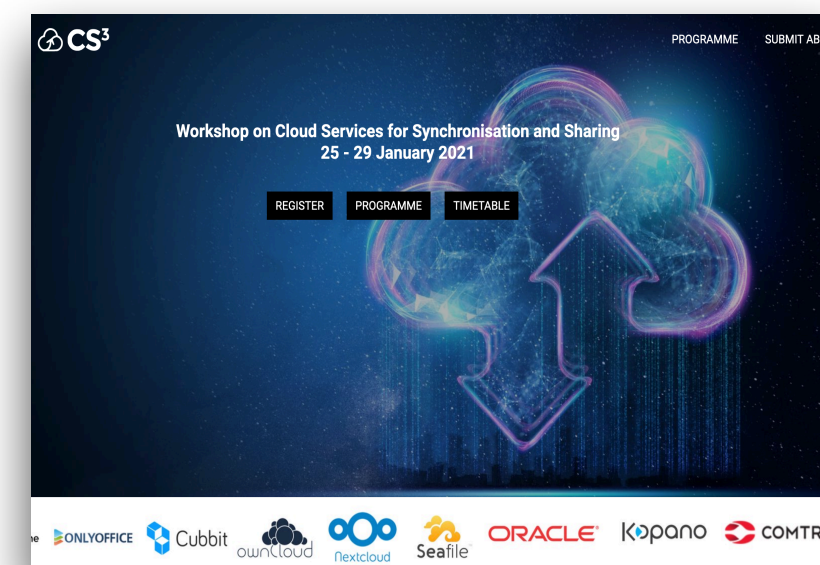
800
Individuals



Roma 2019



Virtual 2022



Virtual 2021



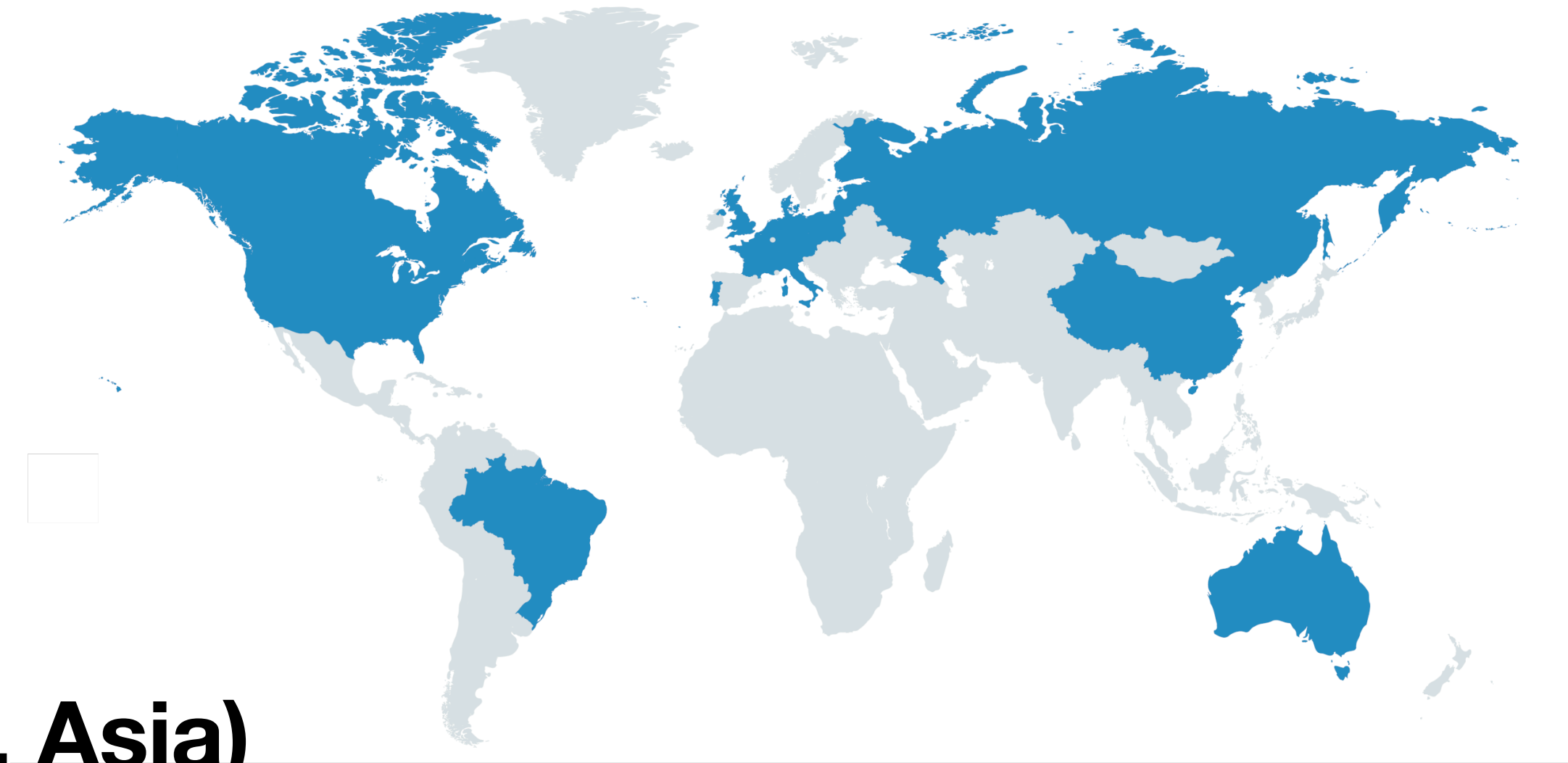
København 2020

2024: who's in?

CS³

cs3community.org

- **160 on-site participants**
 - limited by venue capacity
- **82 organisations**
- **35 countries (Europe, Americas, Australia, Asia)**



Universities, Research Organisations, International Organizations, NRENS, Commercial Companies & SMEs, European Commission, ...

Why I think Sync&Share is still relevant...

- **Sync&Share** plays an important role in production infrastructures today...
 - ... and has a future potential as a collaboration & integration platform
- **Share** — easy interface for humans...
 - ...but also a sharing fabric for other services (federation, horizontal/vertical)
- **Sync** in the increasingly connected *always online* world?
 - Hybrid Cloud File Storage *and Edge ...*
 - ...is one of top 5 enterprise storage trends according to Gartner 2023
 - ... because modern workflows span across locations...

Why I think Sync&Share is still relevant...

- **This technology has a transformative potential precisely in the areas where CS3 community has a positive track record and further interest...**
 - Sovereign ICT infrastructure
 - Institutional workflows and regulatory frameworks
 - Research environments: integration with the site research services
 - Interoperability and federation
 - European digital strategy
 - ...

Programme Highlights



cs3community.org

- **55 presentations during 3 days**
(agenda is very packed again, sorry...)
- **Keynotes**

Massimo Marelli

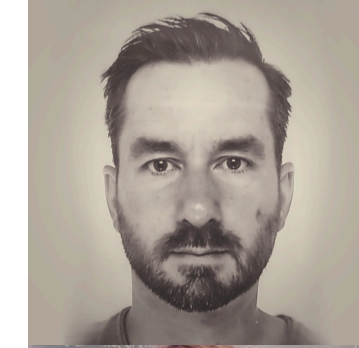
Head of Data Protection Office at ICRC

Mario Lassnig

Distributed Computing Coordinator for the ATLAS Experiment

Javier Lopez Albacete

Policy Officer at the European Commission



Workshops, Campfire and Panel discussions

We encourage active participation of the audience!

- **Discussion on Standards & Interoperability** *Tuesday morning*

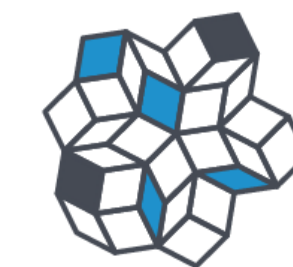
- OCM: status, governance, collaboration
- EFSS Interoperability: Seafire, Owncloud, Nextcloud

OCM

- **EOSC Panel Discussion** *Wednesday morning*

- EOSC — what's in there for the CS3 Community?

 EOSC



Science
Mesh

sciencemesh.io

- **SIG-CISS meeting** *Wednesday afternoon*

- Cloud infrastructure services, platforms and workflows
- Co-located GEANT event, contact Mario Reale for more information



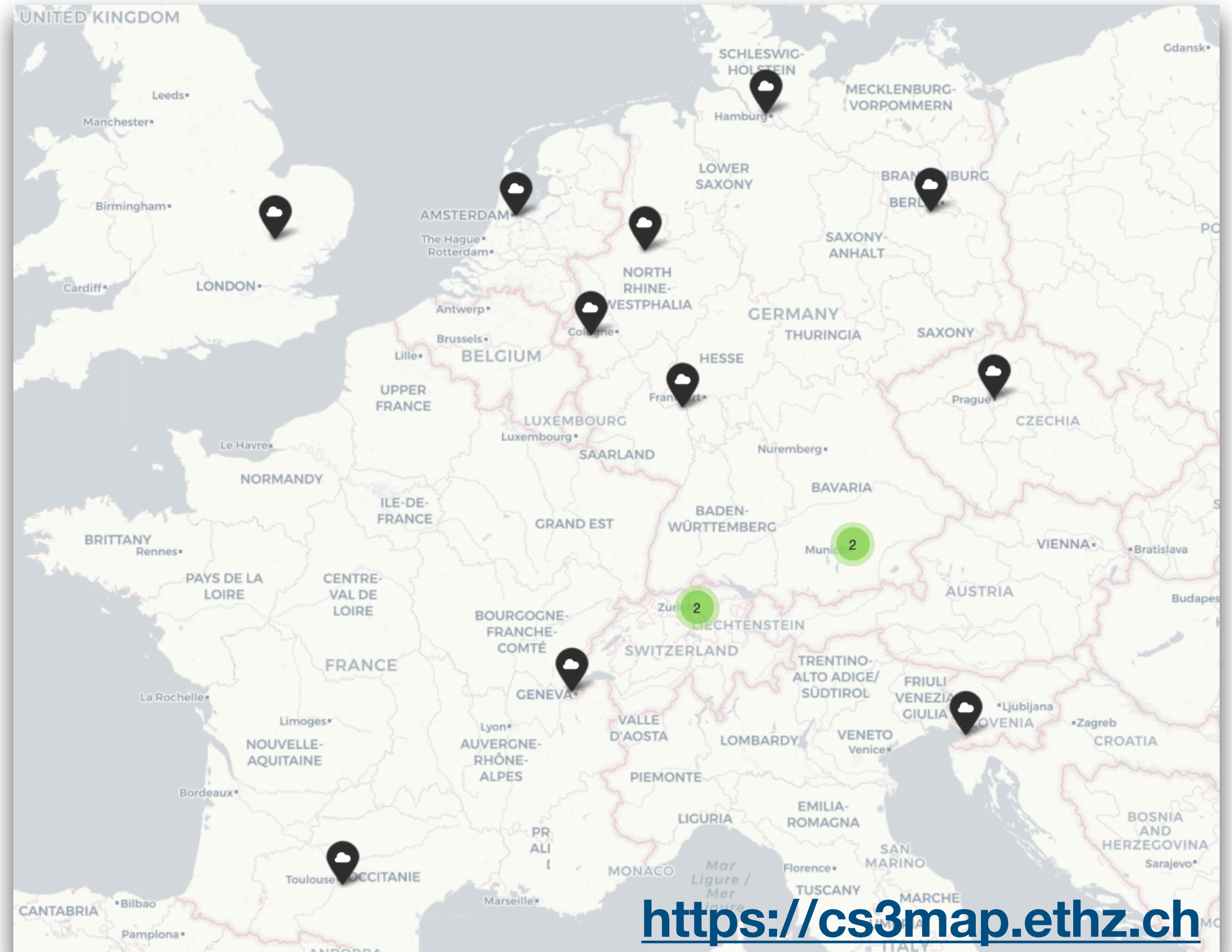
Where are the CS3 services?



cs3community.org

- [Site report survey](#)
- [Community Map](#)
maintained by ETH Zurich

- **27 EFSS nodes reported this year**
- summary on Monday at 4pm



CS3 2024 Programme & International Advisory Committee



Local Organizers — Big Thank You!



TechWeekStorage 24

- CS3 2024 is part of a larger set of events organised by CERN IT-SD Group
- We share our know-how and technology
 - Custodial tape storage for LHC (**CTA**)
 - Disk data layer for massive processing (**EOS**)
 - General storage services (**CERNBox, Ceph**)
 - Filesystems (**DFS, CVFMS, AFS, NFS**)
 - Data Management & Transfer (**FTS, XRootD,..**)

TECH WEEK
STORAGE 24

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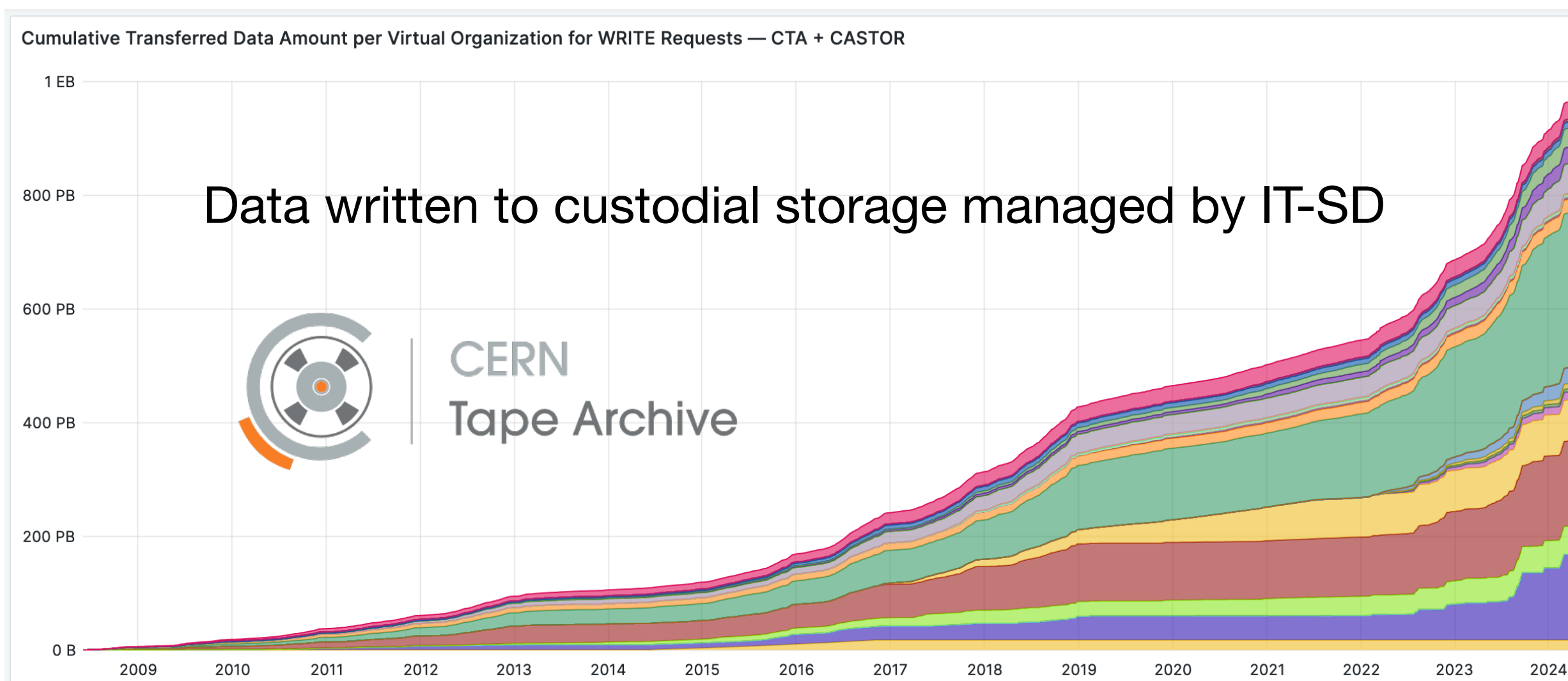
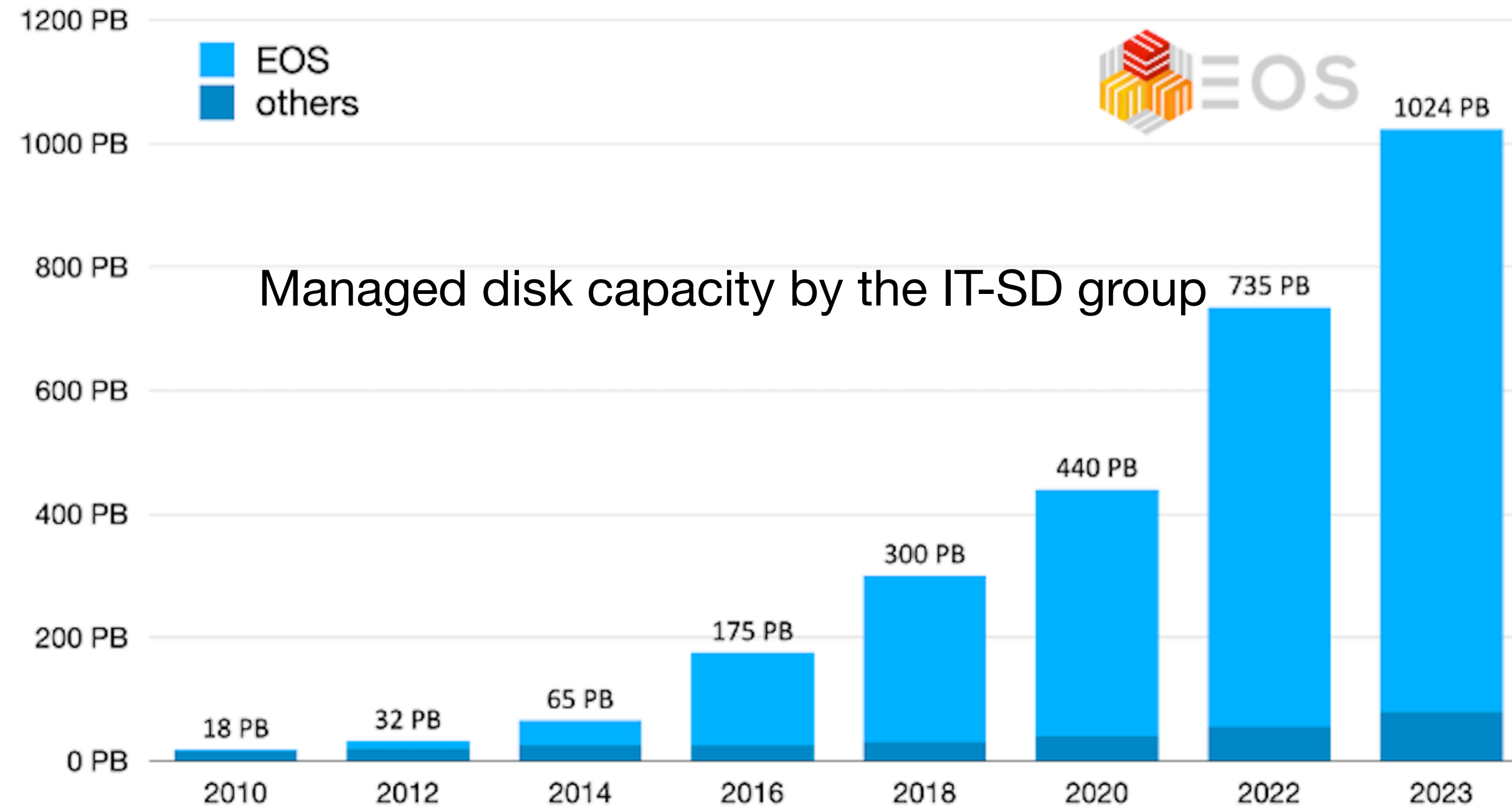
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Celebrations!



TECH WEEK STORAGE 24

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Practical Information

WIFI access

- Available networks:
 - **eduroam**
 - **CERN-Visitors**

Coffee break, lunch, reception

- Coffee breaks and lunches
 - **Pas Perdus** (area immediately to our conference room)
- Reception in Monday evening
 - **Glassbox R1** (same building, just downstairs in the canteen, follow the crowd)

Visit to CERN Facilities

- **Monday and Tuesday lunchtime**
 - **Cyclosynchrotron** upon registration (12.45 today meet at the podium)
- **Tuesday afternoon**
 - **Antimatter Decelerator** upon registration
- **Tuesday and Wednesday lunchtime**
 - **Science Gateway** free access on individual basis
 - Please be back on time to the session

Visit to CERN Facilities (registration)

Early-registered persons have received a time slot and this form to confirm the visit

Survey

Visits to the CERN facilities

Given the large interest from participants, we have organized multiple visits: two over lunch time on Monday and Tuesday, to the SynchroCyclotron, and one on Tuesday late afternoon, to the Antimatter Factory. Please check the timing details in the timetable. You have received a proposed visit slot by e-mail.

Can you confirm you can make it on the proposed slot? *

Yes No

For the sake of fairness with other participants, if you cannot participate to the proposed slot please let us know so we can allow someone else to join the visit.

Only participants that have explicitly answered YES will be able to join.

Questions? Please get in touch with Giuseppe



Privacy Notice: recording

- Conference is recorded and streamed on ZOOM for registered remote participants
- The recordings will be published after the conference



Conference photo

- In this room
- **TODAY** just before the afternoon session (13:50)

Happy Birthday, CS3!

Our CERN colleague, Jennifer Cham, who is a scientist and an artist offered to create an anniversary graphic recording of CS3 welcome session.

She will do live scribing during this morning.
We will display the result in the afternoon.

<https://flickr.com/photos/97823772@N02>



This is a preferred email address, so it makes it faster for someone from the organisation committee to pick it up

cs3-conf2024-iac@cern.ch

Conference feedback

Please help us to improve CS3 Conferences

As usual we will run the Feedback Survey starting on the last day of the conference.

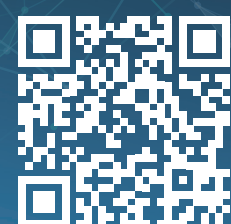
Interested to host next CS3 event?

Please approach any member of the Programme Committee



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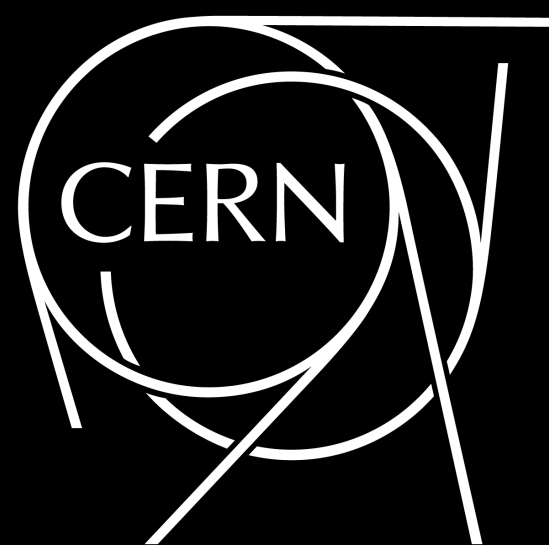


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