



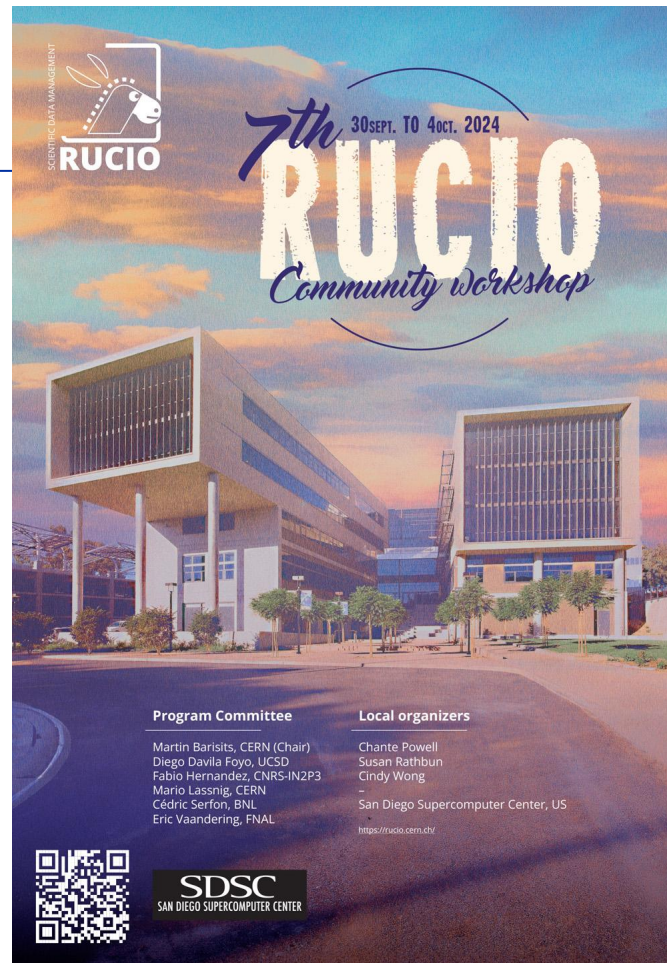
# 7<sup>th</sup> Rucio Community Workshop Summary & Conclusion

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*Martin Barisits* (CERN)

# Numbers

- 41 registered in-person participants, 65 remote participants (>100 participants 🎉)
- 42 talks
- 2 Keynotes
  - Thank you Ilkay and Inder!
- 6 discussion sessions
- 2 Tutorials
- Few hours of sleep



7<sup>th</sup> RUCIO Community Workshop

30 SEPT. TO 4 OCT. 2024

SCIENTIFIC DATA MANAGEMENT  
RUCIO


**Program Committee**

Martin Barisits, CERN (Chair)  
Diego Davila Foyo, UCSD  
Fabio Hernandez, CNRS-IN2P3  
Mario Lassnig, CERN  
Cédric Serfon, BNL  
Eric Vaandering, FNAL

**Local organizers**

Chante Powell  
Susan Rathbun  
Cindy Wong  
~  
San Diego Supercomputer Center, US  
<https://rucio.cern.ch/>

**SDSC**  
SAN DIEGO SUPERCOMPUTER CENTER



# Community reports

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New communities joining Rucio!

Some common patterns:

- Tokens rapidly replacing x509
- Deployment stack flux → helm → kubernetes very common
- Hierarchical namespaces
- Metadata
- Jupyterlab access to Rucio

# Technology reports

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- Tokens!
- Rucio WebUI 2.0 is here and ready to test
- Postgres support should be improved (Partitioning!)
- Rucio handling of open data
- Cloud storage
- FTS4 development plans very promising
  - Need to decide on usage of gfal3 in Rucio
- Monitoring

# OSDF Session

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- Pelican
- XCache & xrootd
- SENSE integration to Rucio
  - Need to package it to make a turn-key deployment possible within Rucio

# Next steps

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## Next steps:

- Uploading the recordings to the indico page (Day 1 & 2 done)
- Compiling notes into actionable issues
- Distribute (very short) workshop survey

## Next meetings:

- Rucio DocuSprint: December 2 - 13, 2024 (Details TBA)
- [DIRAC & Rucio Mini Workshop and Hackathon](#): January 16-17, 2025, CERN
- Possibly a Rucio Hackathon in 2025: TBA
- 8<sup>th</sup> Rucio Community Workshop, Sep-Nov 2025



# 8<sup>th</sup> Rucio Community Workshop Square Kilometre Array Observatory

Jodrell Bank, Cheshire, UK  
Sep-Nov 2025, TBA





# SKAO HQ, Jodrell Bank, UK

- **The SKAO Global Headquarters is the home of the SKA Observatory, the intergovernmental organisation set up to facilitate global collaboration in radio astronomy and build the SKA telescopes.**
- Located on the Jodrell Bank site, a UNESCO World Heritage Site for its contribution to the development of radio astronomy, the SKAO GHQ is home to some 160 professionals from 23 countries overseeing the work of the intergovernmental organisation.
- The 4,200sqm facility is equipped with state-of-the-art meeting rooms and video-conferencing capability, a dedicated 10Gbit/s connection to the national research network, as well as electric vehicle charging points and sustainable design.
- The SKAO GHQ shares the site with the University of Manchester's Jodrell Bank Observatory, a working scientific facility that operates the 76-metre Lovell Telescope – the third largest steerable radio telescope in the world, and the Jodrell Bank Centre for Engagement, responsible for public access to and engagement with both the science and heritage of the site and a renowned leader in engaging the public with science attracting some 165,000 visitors each year including 22,000 school pupils.



SKAO, HQ, Jodrell Bank, Cheshire, United Kingdom



Council Chamber, SKAO HQ, Cheshire, United Kingdom







Jodrell Bank, UK



# About the area

- **Quaint towns and villages can be found dotted throughout the largely unspoilt rural landscape in this part of Cheshire.**
- **Accommodation will be easily found in the up-market towns of Alderley Edge, Macclesfield and Wilmslow. There are also some rural hotel estates close by.**
- As well as the culinary delights of the local towns, the City of Chester provides top-class shopping, entertainment and dining opportunities.
- Liverpool and Manchester (and airports/train links) are 30-60 mins away with everything that these major cities have to offer.
- Many activities in the local area, including walking in the beautiful Cheshire countryside to stop off for refreshments and a hearty meal in one of the delightful pubs and inns around Cheshire's Peak District.



Alderley Edge countryside, United Kingdom



Wilmslow, Cheshire, United Kingdom



# Thanks to the local organizers

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- Perfect organization, we felt very much at home @ SDSC
- Thank you Susan, Chante, Cindy, and Frank!



Thank you for participating!

Safe travels!