Highlights from SciCatCON2025

DTU, Lyngby, Denmark 24.06. – 26.06.2025

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Thank You, Max and ESS, for hosting SciCatCON2025!
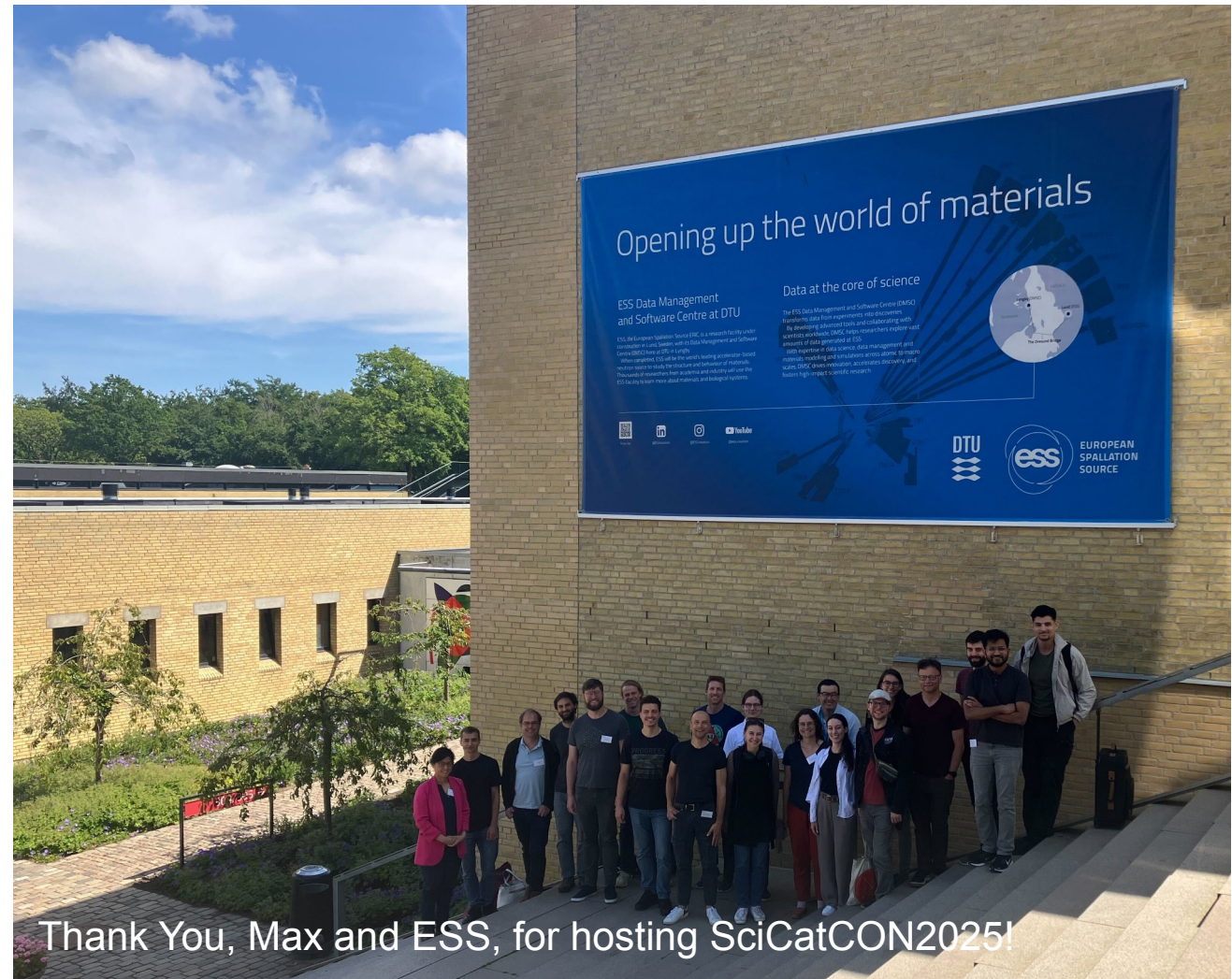
SciCatCON2025 – Annual face2face meeting of SciCat collaboration DTU, north of Copenhagen hosted by ESS

Programme: https://indico.ess.eu/event/3731/overview

- Overview of latest developments

- 11 facility updates (3 by DAPHNE LSFs)

- 2 hands on sessions with goal: definition of next years roadmap.

- Keynote and user feedback talks

Main results :

1. DAPHNE contribution to SciCat lead to many beneficial code improvments on project level.

2. **Governance of SciCat**: Collaboration has grown, need organisational structure to manage development and ensure continuity.

hands-on/brainstorming sessions covered several topics, notes on Google Doc:

0. Project governance

1. Mono repo

2. Dataset lifecycle

3. UI/IX efforts

4. data ingestion

5. API v3 vs API v4

6. Documentation

7. Published data workflow

8. Customized dataset detailed view

9. Permissions management

10. Selection (former: cart)

11. Actions

12. History sub system (PR)

13. Performance

14. Security

SciCatCON2025 – Annual face2face meeting of SciCat collaboration The PSI case

SciCat@PSI (from Carlos and Spencer's talk/conversations)

- They produce 29 PB of data and use a single SciCat instance for management.

- You login when you want to work with embargoed data.

- After embargo period is over a job launches an automated switch to "isPublic=true".

- User can mint DOIs through dataset selection.

- Ingestion happens differently for beamlines, in some cases live in some after data-taking so users make sure to have some curative steps `discovery.psi.ch` and `doi.psi.ch`

Figures

560k datasets (~+10%)
29 PB (~+10%)
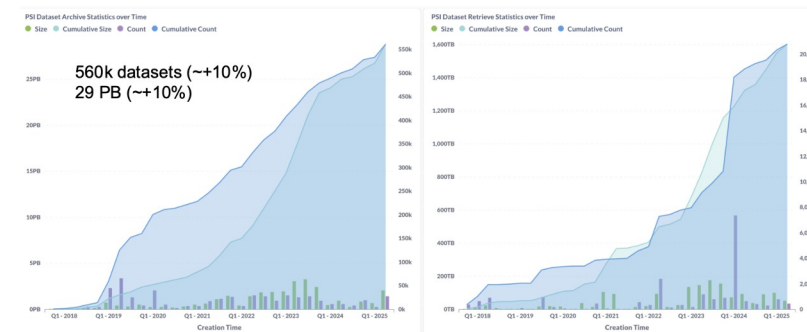
SOLEIL

- They have a data policy but their challenge is to make the user at the beamline use SciCat.

- Their interest is in the data to be taken, are currently in preparation/upgrade phase.

MaxIV

- Use SciCat for each beamline in production

- Get many user complaints

ALS

- Plan 1 PB/day…

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