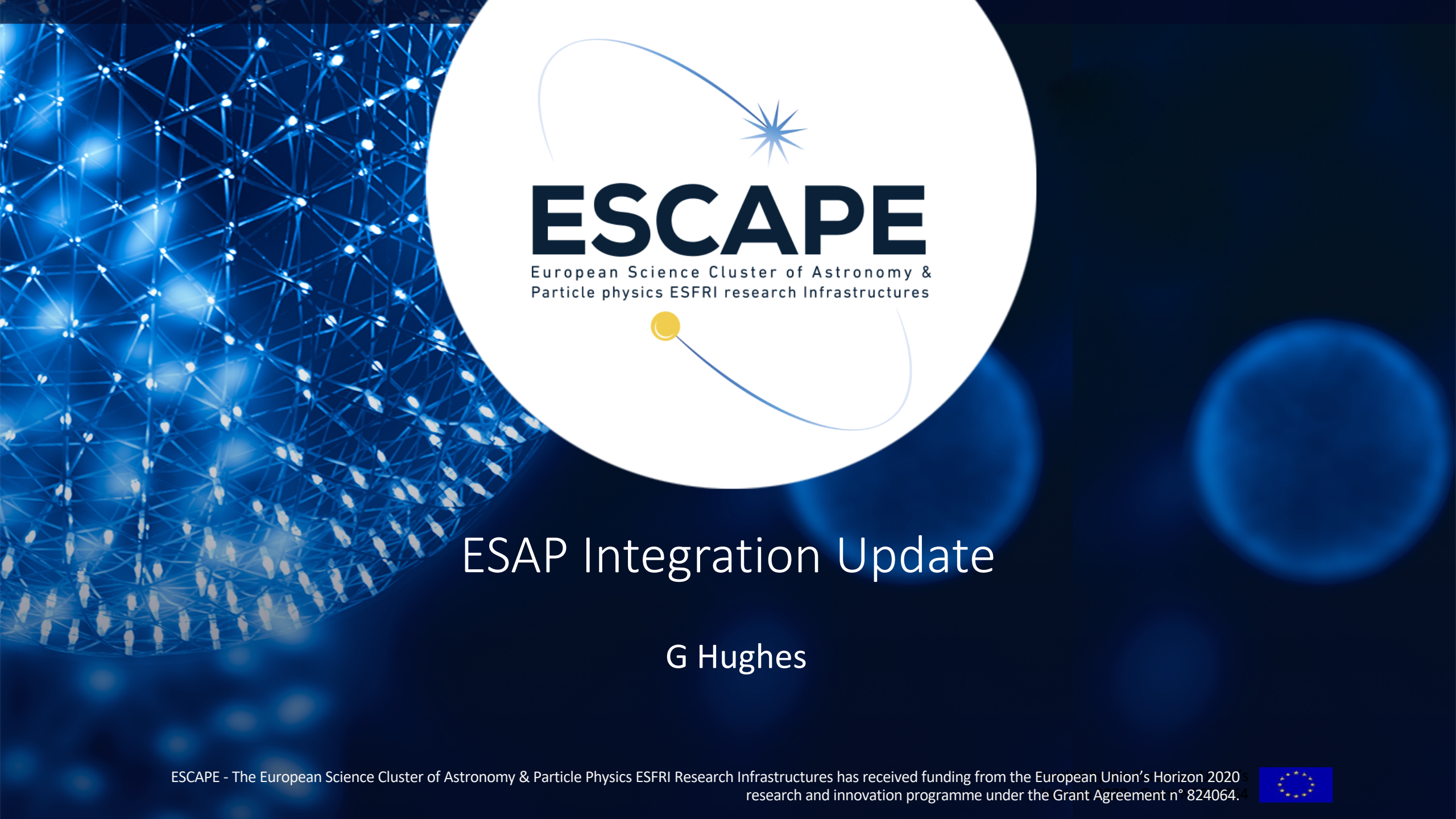


ESAP Integration Update

G Hughes

ESCAPE - The European Science Cluster of Astronomy & Particle Physics ESFRI Research Infrastructures has received funding from the European Union's Horizon 2020 research and innovation programme under the Grant Agreement n° 824064.

helloworld example

ESCAPE
European Science Cluster of Astronomy & Particle physics ESFRI research Infrastructures

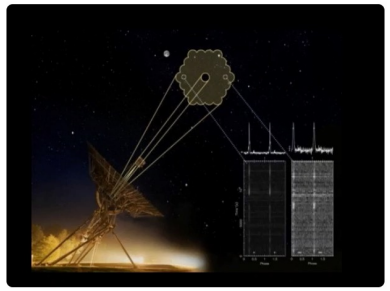
ESCAPE ESAP ESFRI Science Analysis Platform | Archives | Multi Query | Interactive Analysis | IVOA-SAMP | Logout Gareth Hughes

CONCORDIA

CONCORDIA

Visit CONCORDIA Archives

WSRT-Apertif



Apertif Surveys

Data from the Apertif surveys include imaging and time-domain data. The time-domain products consist of high-time resolution filterbank data in the PSRFITS standard. The imaging data products include the raw observations in the measurement set (MS) standard format. In addition, processed data products are available, including calibration tables, calibrated visibilities, multi-frequency synthesis continuum images, polarization images and

ASTRON VO

ASTRON Virtual Observatory

The Virtual Observatory defines a set of standards that can be used to download astronomical data. The ASTRON VO contains several image surveys, which are images in the FITS format. Since the VO is currenty under development, more data types will be available in the future.

Visit ASTRON VO Archives

Zooniverse

Zooniverse Classification Database

The Zooniverse is the world's largest and most popular platform for people-powered research. This research is made possible by volunteers — more than a million people around the world who come together to assist professional researchers. Our goal is to enable research that would not be possible, or practical, otherwise. Zooniverse research results in new discoveries, datasets useful to the wider research community,

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Summary

- *helloworld* DIRAC/CONCORDIA branch merged to ESAP main
  - Page is hidden but code will persist until we need it
- Generated a discussion about batch and reinvigorated batch working group

- Several WP5 meetings over the past few weeks:
  - General batch FG meeting
  - Rosetta/tech meeting
  - Use Case meeting
  - Authentication meeting and notes
- excalidraw tool

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Meetings Summary

- General discussion about ESAP and batch processing (Sara Bertocco)
- Two technologies preposed:
  - DIRAC (including CONCORDIA) and Rosetta (Stefano Russo) discussed (DASK has also been mentioned)
- Links to ongoing metadata work (Dave Morris & Stelios Voutsinas)
- Agreed to follow up with technical meeting RE Rosetta
  - comparison of DIRAC and Rosetta functions
- Asynchronous ESAP work connection
- Authentication: contacted by Mischa Salle of RCauth
- Use case meeting:
  - General outline of CTA use cases agreed on as a way to proceed

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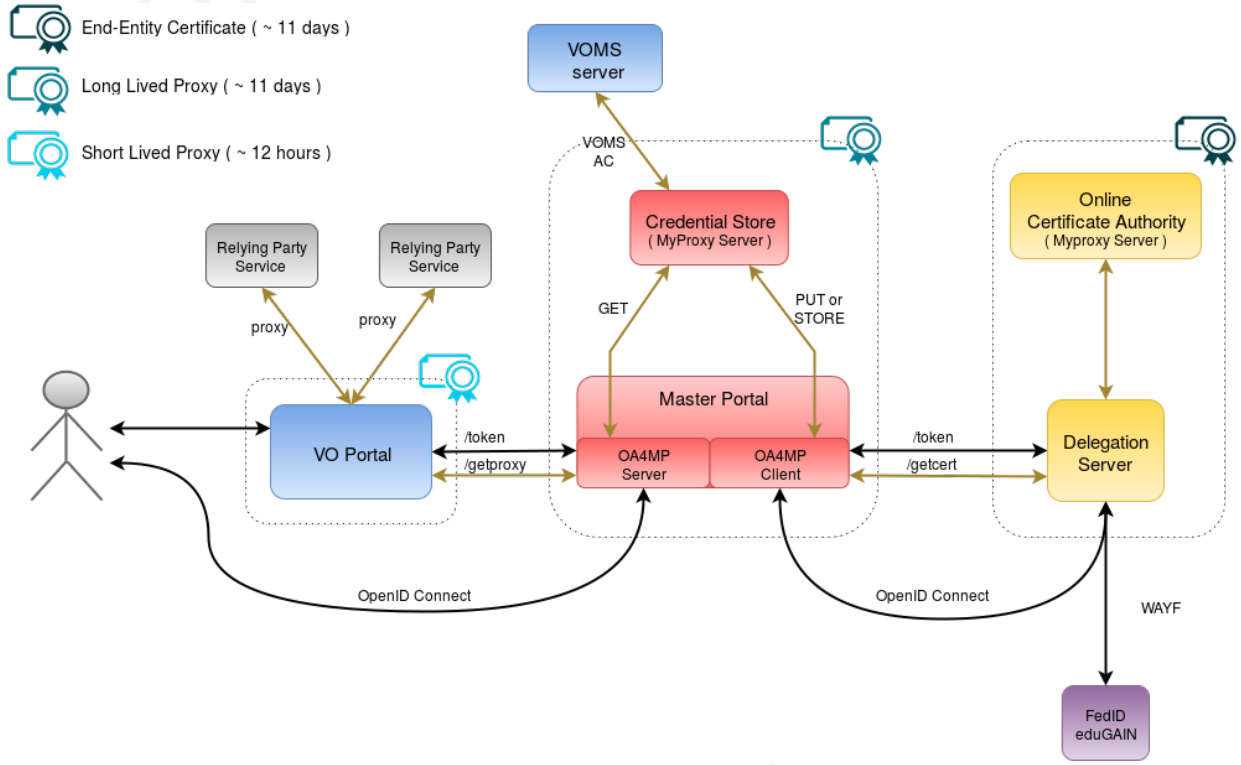
Rcauth Meeting

- RCauth issues certificates to end-entities based on a successful authentication to a Federated Identity Management System
- Trusted login must be a research and scholarship + Sirtfi IdP via eduGAIN or a research community e.g. WLCG, EGI, eduTEAMS etc.
- Demo: https://rcdemo.nikhef.nl/demogsiftp/
  - VOMS -> IdP -> RCauth -> DESY dCache
  - Might be an interesting way of getting the data back?
- There is also a way to obtain a key through ssh (see e.g EGI's Service Providers pages).
  - Less useful for a Science Portal.
- DN is fixed and predictable based on input. This means if a certificate expires it can be recreated by the user for further use
- Indico-IAM was worked on by Andrea Ceccanti to work with RCauth. Check with Francesco for the status
- Andrii Lytovchenko: DIRAC production version is being modified for the ability to accept RCauth certificates.
  - No idea when this version will be made public. https://github.com/DIRACGrid/DIRAC/issues/5866
- User would navigate to ESAP. Login via IAM. Then would/could be redirected to RCauth to get a certificate. This would enable them to use other services.



Yellow = RCauth | Blue = Portal | Red = Master portal (e.g. IAM)

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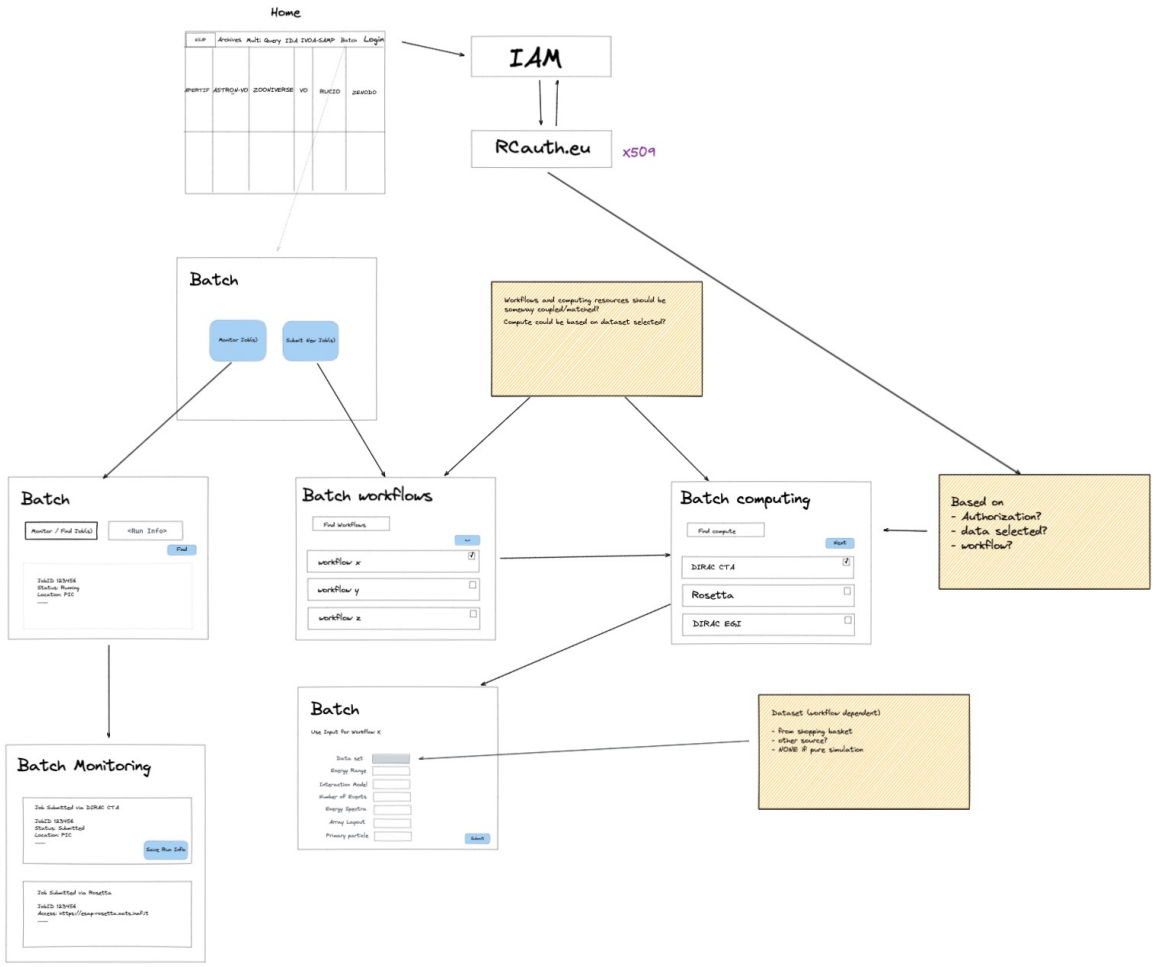
excalidraw

[link]



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