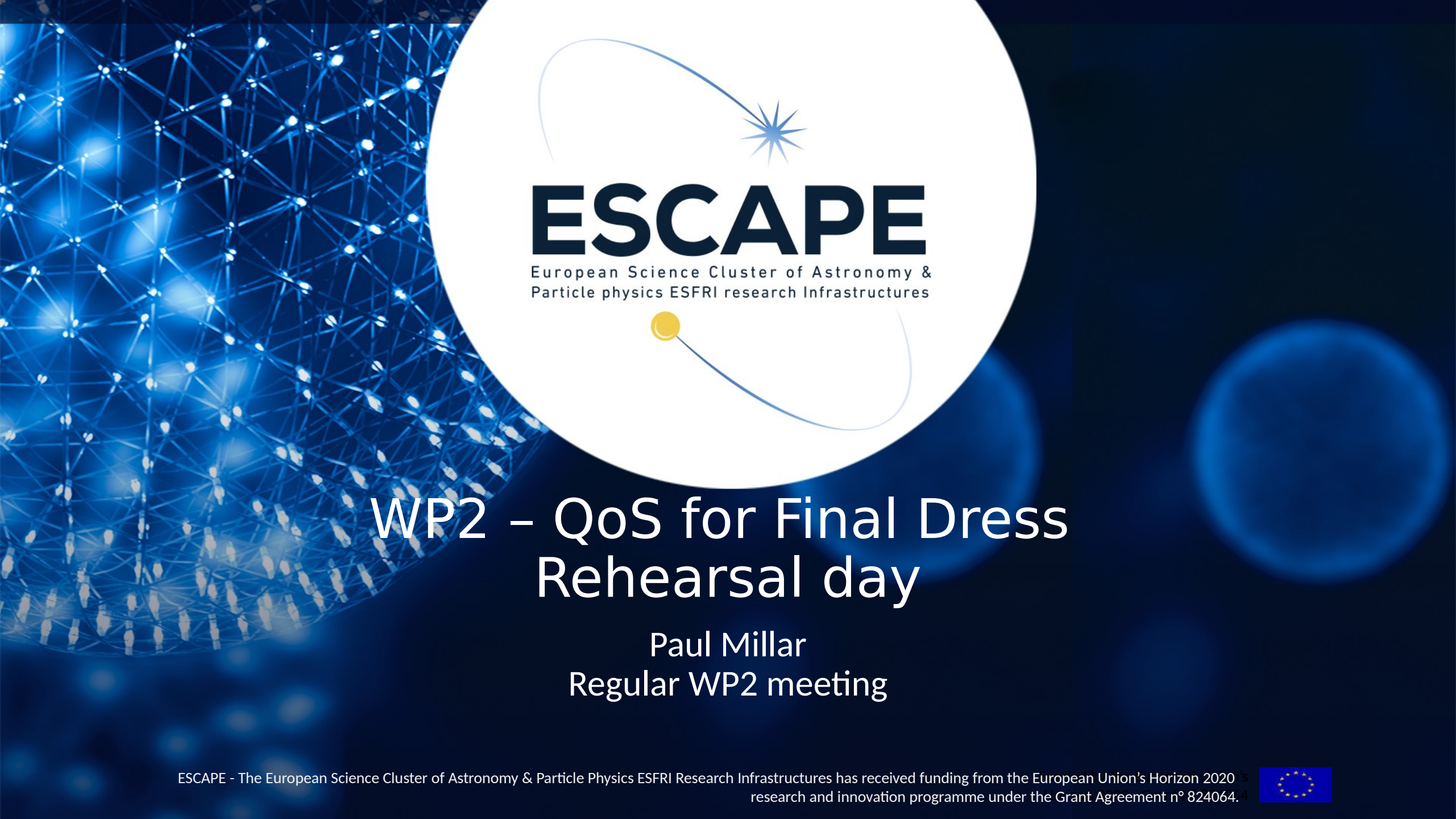

WP2 – QoS for Final Dress Rehearsal day

Paul Millar

Regular WP2 meeting

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.

Overview

Briefly describe four VOs: **SKA**, **GSI**, **CTA** and **ATLAS**.

Not mentioning:

- **LSST** (workplan currently does not include QoS),
- **MAGIC** (workplan mentions QOS=FAST, but unclear why).

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SKA

Three activities: QoS “health check”, data ingest, simulated lifecycle.

QoS health check: involves uploading files and transitioning to different QoS. Intended to run once per day.

Data ingest: currently targeting individual RSEs (not QoS)

Simulated lifecycle: add and remove QoS requirements based on simulated data lifecycle; e.g.,

- At T=0% → SAFE + CHEAP_ANALYSIS + FAST
- At T=50% → SAFE + CHEAP_ANALYSIS
- At T=75% → SAFE + OPPORTUNISTIC

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GSI

Two tasks: data ingest and analysis.

Data ingest involves:

- writing data into a named RSE (GSI-ROOT),
- Registering it in Rucio
- Adding replication rules: SAFE + 2xCHEAP_ANALYSIS
- Once established, remove rule in GSI-ROOT.

Analysis: (currently simulated, but might involve real work-flow)

- Add additional QoS requirement: OPPORTUNISTIC
- Read file
- (remove QoS requirement?)

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CTA

- Two activities: data ingest and anlysis.
- **Data ingest**: steps:
  - write data into named RSE (LAPP-WEBDAV)
  - Add QOS requirements for specific sites: SAFE@LAPP, CHEAP-ANALYSIS@IN2P3.
  - Remove replica at LAPP-WEBDAV.
- **Analysis**: currently no use of QOS.

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ATLAS

One activity: data ingest ?

Data ingest:

- Upload to named RSEs (ALPAMED-DPM and INFN-NA-DPM)
- Add QoS requirements: 2xSAFE + 5xCHEAP-ANALYSIS.

(Further feedback from ATLAS would be appreciated).

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Thanks for listening

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