



# **UNICORE status update**

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# Short outline

*This presentation should be read as an update of what was presented in March.*

- Low-level security (incl. integration with VOMS)
- Authorization with Argus
- EMI common registry
- Accounting
- Monitoring

# Security foundation

- EMI-2 includes:
  - Support for pushing SAML assertions from UCC. Can use VOMS for this.
  - Full support for the EMI SAML Attribute Profile on the server side. Can be configured to accept VOMS-generated assertions.
- In case of VOMS int. two bits are still missing:
  - Support in URC (not in EMI).
  - Support for pool/dynamic accounts - in EMI-3.
- Integration with CANL is pretty advanced but will be available in EMI-3, not in EMI-2 update.

# Argus integration

- Not released in EMI-2
  - blocker: Argus policy language does not support a required feature to cover a default UNICORE policy
- After evaluation the integration pattern was changed:
  - *Only* the integration with Argus PAP will be available.
  - UNICORE service will fetch a policy from Argus PAP and use it *together* with the local default one.
  - No more changes on Argus required.
  - UNICORE implementation nearly ready – under testing.

# EMIR

- EMI-2 contains the EMIR service
- From UNICORE side there is support for registering Unicore/X with EMIR.
  - *I believe nothing more can be registered so far and*
  - *I have no idea what about other middlewares.*

# Accounting

- As it was already reported the technical possibility to send data using APEL/SSM is available...
- ...but (at least in PL) we won't deploy it in production as there are many problems with the protocol.
- In EMI a TF was created to solve the APEL/SSM issues. Actions:
  - formalize, discuss and publish the SSM protocol,
  - final updates on CAR&StAR required + profiling.
- Afterwards we will support the updated SSM in production.



# Monitoring updates

- All probes were ported to UCC 6.5.0 (available in EMI-2).
- UCC 6.5.0 does not require registry for each operation.
  - So we don't have to make tricks with local registries.
  - Only the integration probe (with complete workflow) requires a global registry. It is configured manually.
- The PL-Grid-only-supported-probes (workflow and applications) are configured on top of SAM/NCG.
- New probes are being tested in PL-Grid currently, will be available in EMI-2 update (rather sooner than later).



**Thank you!**

EMI is partially funded by the European Commission under Grant Agreement RI-261611