



# **Lund All Hands meeting Compute Area Section**

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# Items to discuss

- Status and plans
  - What was achieved in the first year
  - What was planned but was not done (and why ?)
  - What are the plans for the future (in particular for Y2)
  - Issues ?
  - Focus in particular in the inter-PTs activities

## DJRA1.1.2

- Status and plans are summarized in DJRA1.1.2 (“Compute Area Workplan and Status Report”)
- Under review
- Compliant with the overall EMI Technical Development Plan (DNA1.3.2)
- Available at <https://twiki.cern.ch/twiki/bin/view/EMI/DeliverableDJRA112>

## Workplan in DJRA1.1.2

- Finalization of Glue 2 support (A1, A2)
- Implementation of EMI-ES in CEs and clients (A3, A4)
- Investigate on ways to improve interactive access (A5)
- Agreement and support on compute accounting usage record (A6, A7)
- Full support for identified set of batch systems (A8)

## Workplan in DJRA1.1.2 (cont.ed)

- Consolidation and harmonization of clients/APIs (A9)
- Implement EMI cloud strategy (A10)
- Proposal and implementation for a common parallel execution framework (A11, A12)
- Extend parallel computing capabilities (A13)

## Workplan in DJRA1.1.2 (cont.ed)

- Integration with ARGUS (C1)
- GSI replacement with common security solution based on TLS/SSL and EMI delegation (C2)
- Use new AuthN library (C4)
- Improve usability of client tools (C5)
- Publish version information as part of the service description (C6)
- Adhere to OS standards (C7)
- Port, and support on SL6 and Debian 6 (UI also on SL5/32 and latest Ubuntu) (C8)
- Provision of optimized semi-automated configuration of service backends (C9)
- Introduce minimal DOS protection (C10)
- Monitoring probes (e.g. Nagios) (C11)
- Increase performance (C12)

# Agenda

- Roadmap for client harmonization and analysis of any possible obstacles (Bjoern)
- A short overview of the UNICORE architecture as by DNA1.3.2 (Bjoern)
- Towards a unified framework for Grid parallel applications (Enol)
- Status and progress of (gLite) MPI-\* for Y2 (Enol)
- Status and progress of A-REX (Oxana)

## Agenda (cont.ed)

- EMI-ES and security aspects (Aleksandr)
- CREAM: status and plans (Massimo)
- GSS and CGSI plugins (Daniel)
- Info providers for CREAM: an opportunity for harmonization ? (Massimo)





# Thank you!

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