

# IT Cluster in EGEE-III

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*JRA1 All-Hands*

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- **Cluster formed by INFN and ElsigDatamat**
- **Competence in**
  - Security
    - VOMS
    - AuthZ framework
  - Computing Element
    - CREAM
    - BLAH
  - Job Management
    - WMS

- **Support**
  - maintenance of VOMS (INFN 12PM) and VOMS-Admin (INFN 12PM)
  - contribution to the maintenance of the AuthZ framework (INFN 6PM)
- **R&D**
  - contribution to the development of the AuthZ framework (INFN 6PM)
  - support the use of SAML attributes in VOMS (INFN 6PM)
- **Dependent components: many/all**

- **Support**
  - maintenance of CREAM (INFN 24PM), CEMon (INFN 18PM) and ICE (INFN 12PM)
  - maintenance of BLAH (INFN 12PM)
    - development and maintenance of BLAH plug-ins for the different batch systems is in SA3
- **R&D**
  - adoption of BES and JSDL standards in CREAM once they are consolidated (6PM)
- **CREAM Dependent components: WMS, applications**
- **BLAH Dependent components: CREAM**

- **Support**
  - maintenance of the WMS core (INFN 24PM)
  - interaction with other services (INFN 12PM)
    - AuthZ framework, Information System, Data Catalog, Computing Element
  - maintenance of the WMS WS interface (WMPProxy) (ED 12PM)
  - maintenance of the UI (ED 18PM)
- **R&D**
  - translation from JSDL to JDL (ED 6PM)
- **Dependent components: applications**

- **CREAM: need to wait for how it behaves in certification and then in production**
  - but see also Massimo's presentation on possible future work
- **Security: most of the work depends on the outcome of the AuthZ framework design**
- **BLAH**
  - Adopt AuthZ recommendations (if applicable)
  - Advancement of the JobRegistry-based approach for the interaction with the batch system concerning job status and asynchronous notifications
  - BLAH keeps being distributed as part of Condor as well
    - changes need to be coordinated with Condor people

- **WMS**
  - Adopt AuthZ recommendations
  - Reduce resource consumption
    - especially CPU and memory
      - *LDAP queries and matchmaking*
    - helps performance and scalability
  - Sysadmin-friendly
    - appropriate logging
    - easier deployment and configuration
    - load-balancing through DNS aliasing
  - Reduce complexity of the run-time system
    - less persistency mechanisms, less processes
  - Adoption of GLUE 2?

- **Try to confirm all the key people in EGEE-II**
  - at least with a partial participation
- **Support is meant only for the EGEE infrastructure**
  - support for other projects/infrastructures will be provided directly by INFN