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# CIC operation and VOs



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- VO management
  - « Classical » approach (up to LCG2)
  - Or EGEE/CIC
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### What is a CIC (1):



- CIC is responsible for unique Grid services in EGEE
  - User registration
  - VO registration
  - Replica Catalogue
  - Overall operations and problem tracking
  - Coordination of deployment
  - Other, see Cork meeting, http://agenda.cern.ch/askArchive.php?base=agenda&categ=a04145 9&id=a041459s0t23/transparencies

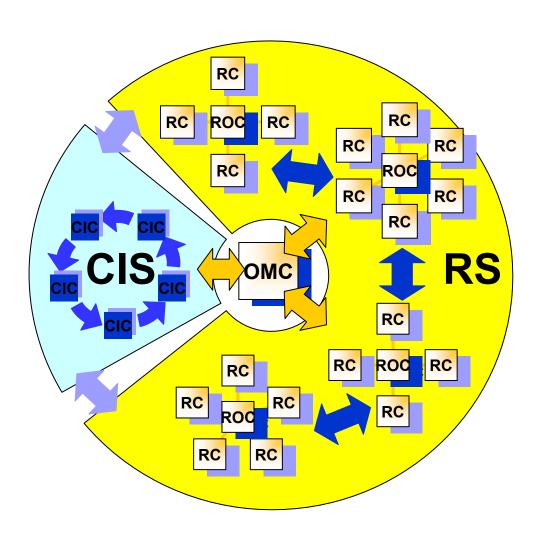
## What is a CIC (2):



- CIC is working with:
  - OMC: central coordination, policies
  - ROCs: operational problems, deployment
- CIC is composed of 4 (5) partners
  - CERN, Italy, UK, France; later Russia
  - Acting as a unique entity (as seen from ROC/RC/users)
- Initial plan for CIC setup: https://edms.cern.ch/file/494461/1.0/CIC Outline Plan v1.0.doc
- First CIC meeting was June, 22nd

# **SA1 Organization**





#### VO management, "classical"



- Grid user registration service (CERN registrar)
- VO user management service (CERN for HEP, CCIN2P3 for Biomed, SARA/NIKHEF for ESR...)
- RB (anywhere for HEP, CNAF + Valencia for Biomed)
- Replica manager + replica catalogue
- Production sites
- New non-HEP VO needs to find support for all except the first point at different places

#### **VO** management, EGEE/CIC



- Grid user registration service (CERN registrar/CIC)
- VO user management service (CIC)
- RB (anywhere + at least one at CIC)
- Replica manager + replica catalogue (CIC)
- Production sites
- New VO deals with CIC only for all of the above
- Initial acceptance of VO in EGEE has to follow EGAAP procedures + negociations with OMC/CIC.
- CIC takes care of failover procedures for all its services
- CIC contacts ROCs to find production sites, controls progress
- CIC is VO contact for usage statistics, accounting

#### **Biomed support at CIC Lyon**



#### **Problems**

- Delays on initial VO setup due to dispersed know-how, learning effort
- Partially solved (for future VOs) by centralizing the needed information (see CIC work plan), and by "training"
- Single RB due to LCG VO orientation of already existing RBs
- Solved by obligation of CIC to guarantee failover of its services
- Delays on initial RM setup (same reasons as for initial VO setup)
- Partially solved by request to italian CIC (experienced with RM)
- Delays on finding additional Biomed sites
- Not yet solved, procedure is still manual

#### **Future actions for the CIC**



- What to do -
  - (Some of the) Expected results
- Concentrate (and create!) information on setup procedures at CIC
  - Less delays on setup of essential services
- Concentrate information on operational problems at CIC
  - Better planning of work possible for VOs
  - Better coordination between different sites and regions to solve problems
  - Faster problem detection
- Train CIC people
  - Less delays on setup of essential services
  - Faster problem isolation
- Execute the work plan for the CIC
  - Failover procedures provide high availability
  - Problem tracking tool provides for sharing work between CIC sites