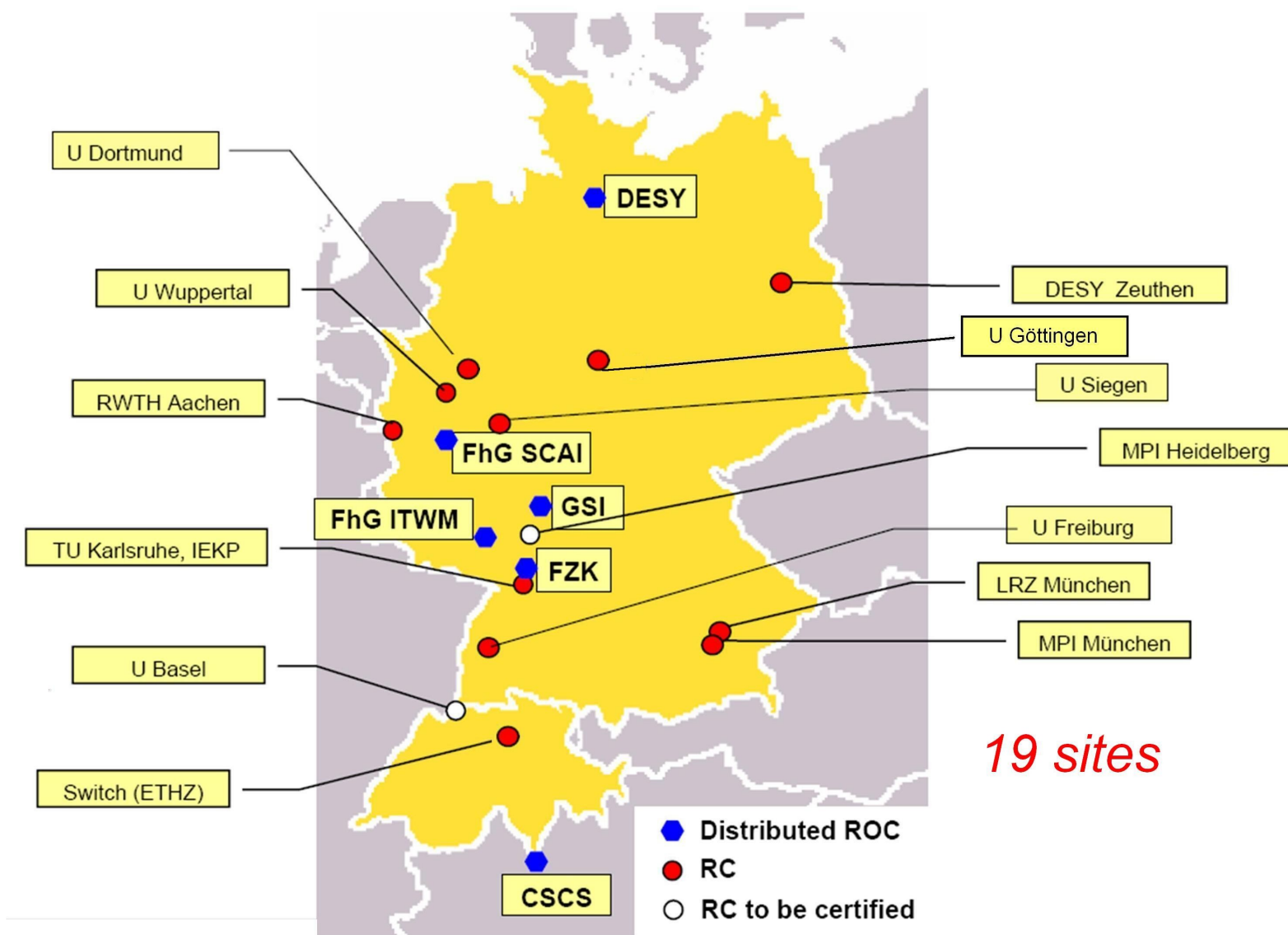# EGEE III Operations in ROC DECH
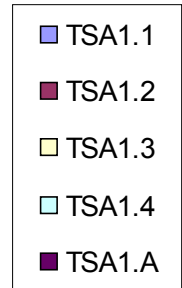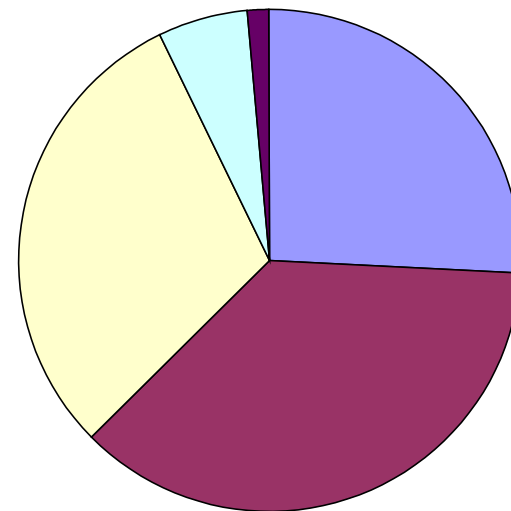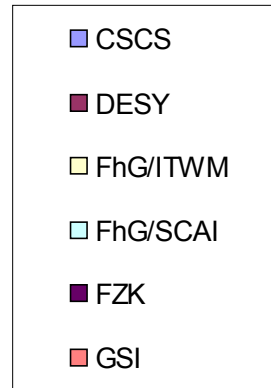
- *First Vision -*

Clemens Koerdt   (DECH ROC deputy)

(with input from Sven Hermann, Andreas Gellrich, Horst Schwichtenberg, Christian Peter, Peter Kunszt, Kilian Schwarz)

EGEE-III Transition Meeting SA1, 8.5.2008, CERN

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Information Society
and Media

Enabling Grids for E-sciencE

19 sites

Distributed ROC
RC
RC to be certified

Distribution of effort in ROC DECH

Enabling Grids for E-sciencE

- 416 PM (1/11th of SA1 total)
- Was 1/15th in EGEE-II

Legend (left chart):
- CSCS
- DESY
- FhG/ITWM
- FhG/SCAI
- FZK
- GSI

Legend (right chart):
- TSA1.1
- TSA1.2
- TSA1.3
- TSA1.4
- TSA1.A

Our priorities and main goals
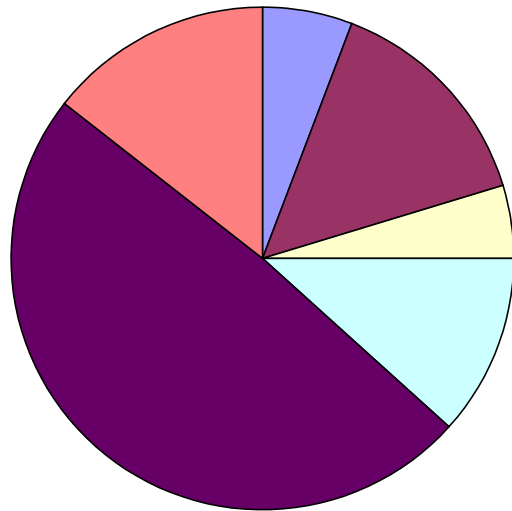
- **1st: offering reliable services**
  - Most sites/resources in our region are principally dedicated to LHC VOs
  - Assure the startup and real data taking can be successfully handled
  - Reduce unavailability by various means (monitoring, SLAs, …)
- **2nd: prepare for the distributed model**
  - Need to increase much more the collaboration with our national grid initiatives
  - Prepare a common vision with NGIs and EGI
- **3rd: dedicated VO support**
  - Provide the support to the VOs running on our infrastructure they need (operational, general middleware competence, and even application and management)
  - This is mostly localised at the sites themselves
  - Needs to be adequately staffed

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- **TSA1.1 Grid Management 4.5 FTEs (mostly FZK)**
  - Running our distributed ROC TSA1.1.2
    - Project management of SA1 tasks in region
    - Effective communications (regional phone and F2F meetings, representation in project wide meetings)
    - SLA negotiations, new site certification, …
  - Interoperability and collaboration TSA 1.1.6
    - Increased engagement with D-Grid, Swiss Grid Initiative, and others
  - Service Level Agreement (monitoring, enforcement) TSA 1.1.3
  - Running CA and RA (DESY), Resource provider coordination (SCAI), accounting, coordination with technical bodies (GSI)

Grid Operations and Support

Enabling Grids for E-sciencE

- **TSA 1.2 Grid Operations and Support 6.5 FTEs (distributed)**
  - Run Grid services for production and preproduction TSA1.2.4
    - Have the whole set of middleware services covered in PPS, incl. dCache
    - Provide high level services BDII, WMS, FTS, LFC for the many VOs (FZK,DESY)
  - Oversight and Management of Grid operations TSA1.2.2 (FZK)
    - Follow up of operational issues
    - Running regional SAM server
    - Participating in OAT
  - COD TSA1.2.1
    - Five regional partners participating in shifts, and project wide contributions
    - Will have closer interactions with regional 1st line support to prepare for regionalisation
  - Regional first line support TSA1.2.3
    - Five partners contributing
    - Will have closer interactions with COD task to prepare for regionalisation
  - Middleware deployment and support TSA1.2.5
    - Support of gLite
    - Support of dCache
  - Interoperations (esp. with D-Grid) TSA1.2.6
  - Some operations requirement collection TSA1.2.8 (GSI)

- **TSA 1.3 Support to VOs, users, application 5.25 FTEs (mostly FZK)**
  - GGUS management and tools TSA1.3.1
  - Dedicated VO support (TSA1.3.5? in distinction from TPM)
    - Dedicated ALICE support (mostly GSI)
    - Dedicated support for HONE, ILC, ZEUS, CALICE, ICECUBE, ILDG,.. (DESY)
    - Dedicated support for LHC VOs (distributed)
    - Dedicated support for a couple of other VOs (FZK, CSCS, SCAI,..)
  - TPM TSA1.3.2
    - Distributed over 3 partners
  - Regional Helpdesk TSA1.3.3
  - Training TSA1.3.4 (distributed)

- **TSA 1.4 Grid security 1FTE (FZK)**
  - Coordination (operational security, incidents) TSA1.4.1
    - Security challenges, OSCT, incidence response
    - Acquaint sites to security procedures
    - Risk monitoring, intrusion detection

- **TSA 1.5 Activity management or TSA 1.A General Tasks? 0.25 FTEs (FZK)**
  - Coordination, Administration of JRU

Enabling Grids for E-sciencE

- **This will of course be developed in coordination with the NGIs and the EGI and its currently not clear!!**
- **There might be some sort of National Operations Center !?!**
  - Staffed with people from the ROC and the current NGI !?!
  - Fully assuming the responsibility for running reliable services !?!
  - Some tools run centrally in EGEE were adopted and run nationally or still regionally !?!
  - Some tools were replaced by national solutions !?!
  - Quite some negotiations are still ongoing.. ?!?
  - There is coordination with a central body ?!?
  - Fundraising at national level was successful ?!?
  - But there is still need for considerable central funding !?!