



Enabling Grids for E-scienceE

# Nordic federation ROC model

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- **Four NGIs**
  - Swegrid/SNIC (Sweden)
    - 6 sites
  - Norgrid/Uninett Sigma (Norway)
    - 6 Sites
  - FGI – Finnish Grid Initiative/CSC (Finland)
    - > 10 Sites
  - grid.dk/DCSC (Denmark) (not in in EGEE-III, but will be in EGI)
    - 4 Sites
  
- **And one EC project**
  - Baltic Grid Project (Ongoing discussion on future collaboration)
    - 13 sites in 4 countries

- **Many of the services are distributed over the region**
- **Today the Nordic ROC is a collaboration between three Swedish SNIC centers and NGDF**
- **Future Nordic Organization will be based on the positive experience from this model**

- **Allow for regionalized distributed operations**
- **Open interface to tools**
  - Additions or plug-ins should be possible
- **We love to test !**

- **Operation of tools**
  - GOCDB
    - The GOCDB setup as it is at the moment works fine for us. We plan to be a “region 1”-type region.
  - We will:
    - *provide regional NGI (nagios) monitoring and push data to central repository*
    - *run a regional dashboard*
      - We take part in R-COD (ROD) and C-COD at the moment and will continue to do this
    - *deploy messaging system backbone if desired*
    - *publish accounting data*

- **User support**

- Helpdesk

- Most Nordic NGL:s have a helpdesk of there own but they do not interface with GGUS. We may do that in the future.
    - Use GGUS directly
    - Users from VOs based in the Nordics contacts the helpdesk of the country directly
    - Users from international VOs contact us the same way or though GGUS

- Triage, monitoring and escalation
  - We are doing this and continue to do including TPM duty
  - Concern: This setup does not scale with increasing number of tickets. Maybe in the future need to have NGI TPMs looking after tickets originating in their own region and a central organisation overseeing the timely handling of tickets. Something like the R-COD, C-COD approach.

- **Security**
  - Development and maintenance of security policies and procedures
    - We are involved in this now and continue with this
  - Coordination of all aspects of operational security
    - We are involved in this now and continue with this



- **Other international tasks**
  - Coordination of m/w deployment and support
    - Not involved in this activity and this will stay that way
  - Operation of pilot/pre-production services
    - No involvement
  - Resource allocation and brokering support for VOs from NGIs
    - All NGI VOs will be supported by broker services inside the NGI
  - Involved in OGF, PRACE, DEISA etc.

- Interoperations between NGL's and other grids
  - Heavily involved in the interoperation between ARC and gLite grids
  
- Definitions of best practices, operations procedures, operations requirements
  - We will participate in this
  
- Monitoring and enforcement of SLAs
  - We will continue to do this