egee

Enabling Grids for E-sciencE

Hellas Grid CA update and registration procedures

Christos Kanellopoulos

EGEE - HellasGrid coordination meeting (13-14 March 2006)

ATHENS NTUA, Multimedia Amphitheatre

Information Society and Media

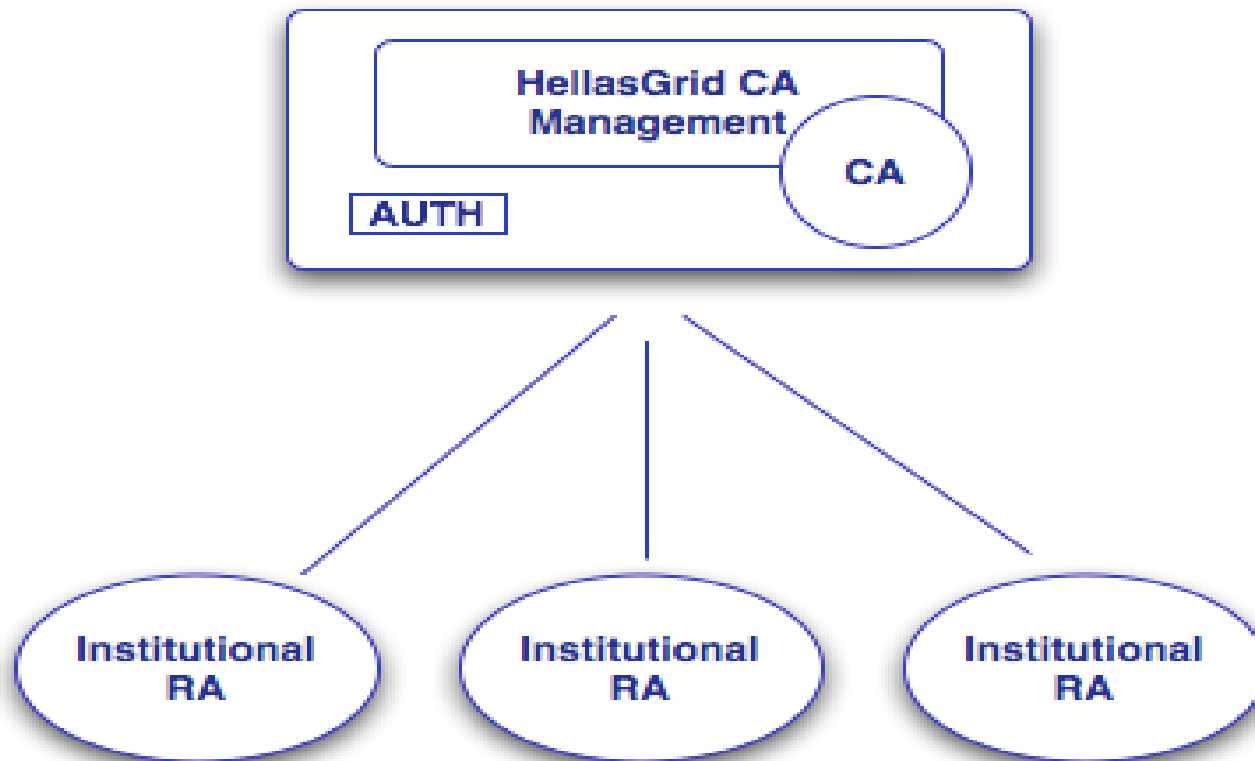**Enabling Grids for E-sciencE**

- **Was created during the 1st quarter 2002**

- **On May 2002 HellasGrid CA started the accreditation procedure (finished successfully on October 2002)**

- **Scope: Provide access to IGTF secured resources**

- **Active participation in IGTF, euGridPMA and CAOPS-WG in GGF**

Enabling Grids for E-sciencE

- **Certification Authority**
  - Sign, Revoke, Renew Certificates
  - Issue CRLs, Operate Repository
  - OperateCA website
  - maintain and revise HellasGrid CA CP/CPS

- **Registration Authorities**
  - Identify Users
  - Direct Communication with the Users
  - Maintain Log-book
  - Approve Authenticated Requests

- **End Entitites**
  - Certificate Requests
  - Key pair management
  - Abide to the HellasGrid CA CP/CPS

eGee

Enabling Grids for E-sciencE

eGee
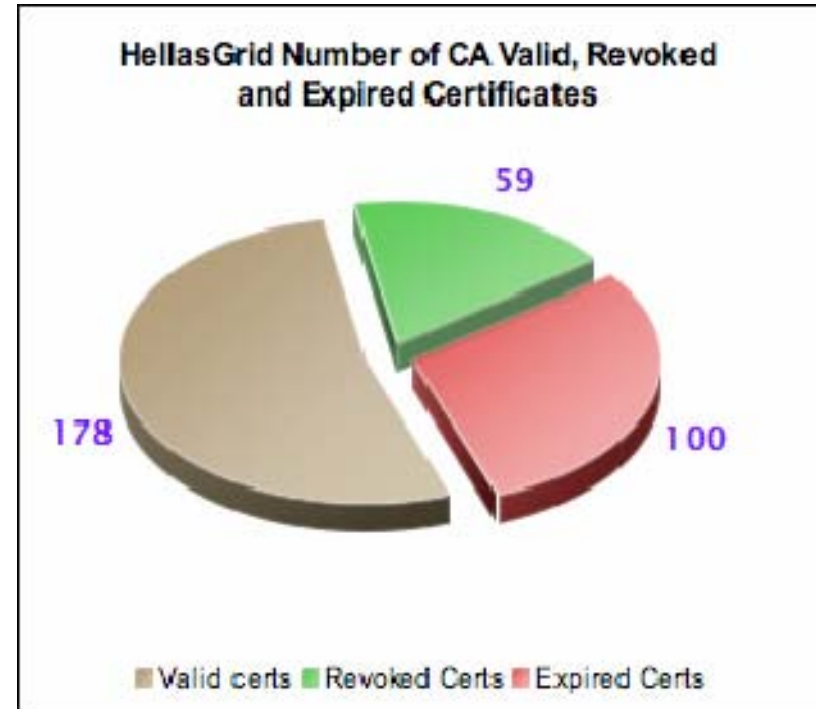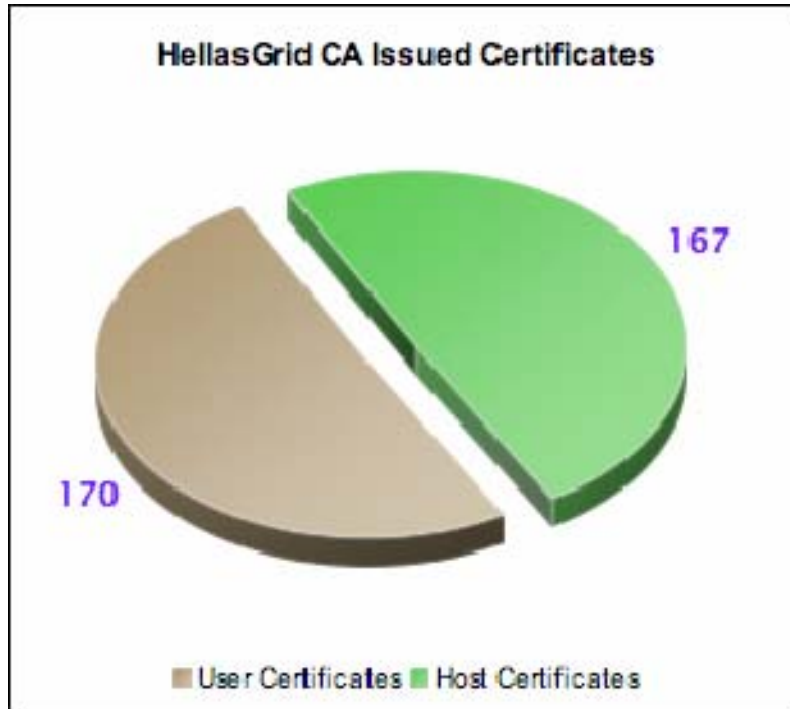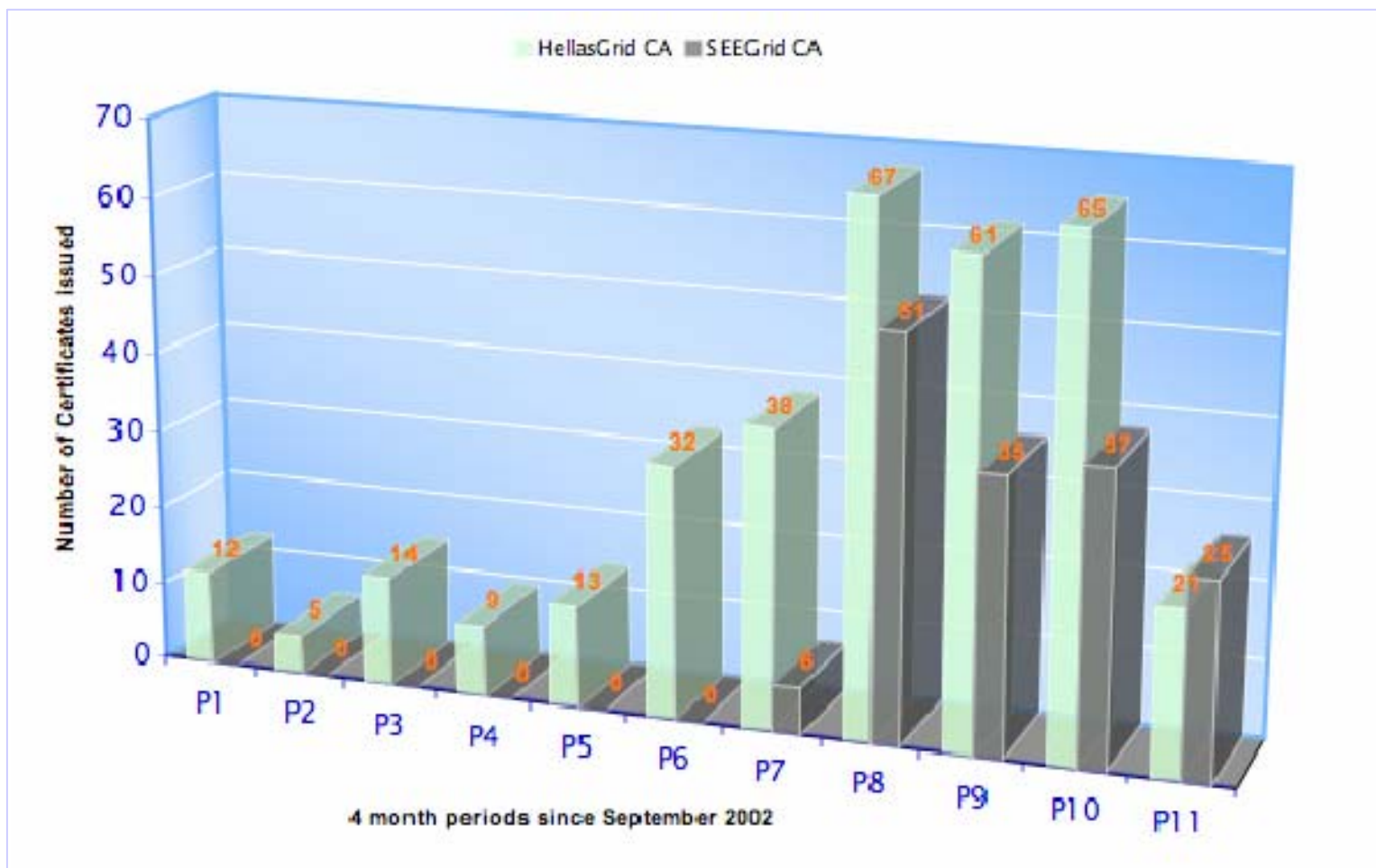
- **Distributed RA Network Covering each Institute**
- **One RA per Institute**
- **Each RA can have multiple RA Operators**

- **Need to sign an MoU with each RA in order to start operations**

- **All these changes must be reflected in the HellasGrid CA CP/CPS**

- **New CP/CPS will be presented on May at the euGridPMA meeting in Budapest**

Enabling Grids for E-sciencE

- **Central Repository of Users, available to all the HellasGrid Project**

- **Users should register their information only once with the project**

Enabling Grids for E-sciencE

- **Users register their personal information at the HellasGrid User Registration Portal**
  - This information is considered provisional until their personal details are verified by the Registration Authority
  - All user information is considered confidential

- **Users after having their details verified by their institutional RA, they can proceed requesting certificates**

- **Users with valid certificates will be able to**
  - Request inclusion in the SEE VO
  - Request Account on the UI serving their Institute

eGee

- **Raise Awareness on Secure E-mail using IGTF certificates**
  - HellasGrid User already have the necessary pieces to enable secure e-mail

- **Work towards a harmonized AAI**
  - Bring EduRoam and IGTF closer (Give the abillity to roaming users to access network resources the way the access Grid resources and the other way around)

- **Leverage Institutional User Catalogues**
  - Active Credential Stores operating as transformation bridges between "campus credentials" to "grid credentials"
  - Shibbolized access to Grid Resources
    - Use Shihbboleth to replace the human RA network
    - Test in shibbolizing Grid resources (GridShib...)

![egee logo] **Thank You**

Enabling Grids for E-sciencE

For More Information please contact
support@grid.auth.gr