# Hi Summary of the topics presented during the pre-OMB meeting on 10 october 2013

## Presenting NGIs

Finland, NGI\_FI

Poland, NGI\_PL

UK, NGI\_UK

Spain and Portugal, Ibergrid

Croatia, NGI\_HR

Switzerland, NGI\_CH

Greece, GRNET

## Topics grouped by categories

### New resources, grid, cloud, gpgpu …

* NGI\_FI
  + 200 nodes pilot infrastructure for Cloud deployment
  + One supercluster also for grid use
  + Information about new funds in November
  + Harmonizing cloud and grid storage for an efficient usage of the resources
* NGI\_PL
  + IaaS cloud national service
  + GPGPUs: 4 sites with 300 cards total
* GRNET
  + Part of the PRACE IASBL: dissemination, policy, training, application porting. No Tier-x at the moment. A Tier-1 is under definition
  + Cloud service: ~3000 VMs, ~10k virtual cpus
* NGI\_UK
  + GPGPU: biggest resource centre in UK dedicated to researchers
  + Active in cloud and federated clouds
* Ibergrid
  + Expand participation in projects/initiatives based on cloud. Focus on contextualization and interoperability with grid
* NGI\_HR
  + Project submitted to access EC infrastructure funds
  + Enter the fedcloud in 2013
  + Currently exploring GPGPU, plans to expand the current offer
* NGI\_CH
  + Esablish a national cloud research infrastructure based on national funds. More than 200 use cases, funding operational from 2014
  + Currently 4 openStack sites 1500 cores total
  + GPGPU resources in CSCS but detached from NGI\_CH

### Integration with other European infrastructures

* NGI\_FI
  + CSC is a Prace and EUDAT member
  + CSC is leading EUDAT
* NGI\_UK
  + Contacts with PRACE and EUDAT for core services
* NGI\_CH
  + CSCS par of PRACe, no collaboration plans
* NGI\_HR
  + Cooperation with EUDAT for monitoring of resources

### Data oriented services

* NGI\_FI
  + National archive online, providing iRODS services
  + Not yet used by Grid users
* NGI\_PL
  + iRODS
* GRNET
  + Handle service for persistent unique data objects identifier
* NGI\_UK
  + iRODS, Jasmin and Pansas
* Ibergrid
  + iRODS and integration with SRM (extend SRM capabilities)
  + Hadoop/MapReduce
  + Data preservation activities
* NGI\_CH
  + Data preservation and data management part of the national funding program

### AAI

* NGI\_FI
  + Project moonshot being tested for the cloud infrastructure
* NGI\_PL
  + OpenID infrastructure for the generation of grid proxies
* NGI\_UK
  + Certwizard, Moonshot, SARoNGS (CTS)
  + Policy development
* NGI\_HR
  + National federation part of EduGain, planned integration with cloud and grid
* NGI\_CH
  + Plans for a national federation

### New user communities and tools to access resources

* NGI\_PL
  + CTA: computing and storage resources
  + EPOS: iRODS provisioning, science gateways
  + Integrated user portal for small users groups
  + Evaluation of a pay per use mechanism
  + InSilicoLab, Integrated user portal,
* GRNET
  + One ESFRI project: Geolocation services (Geonetwork,Geoserver, Geowebcache)
* NGI\_UK
  + Life science and EBI, discussions for common core services
  + Neutron and proton facilities: iRODS
  + Life and earth JASMIN-Panasas
* NGI\_UK
  + Developed Pay per use model
* Ibergrid
  + ICT Lifewatch coordination
  + Expand Ibercloud
  + DIRAC to provide transparent access to resources
* NGI\_HR
  + Plans to experiment with CloudMan middleware, currently providing portal with gUSE and WS-PGRADE
* NGI\_CH
  + Pay per use pilot planned for 2016

### Centres of excellence

* NGI\_PL
  + CoE for federated operations to promote Federated Service Management
  + Porting application to grid and science gateways
* NGI\_UK
  + Hartree Centre of excellence with the contribution of IBM and NVIDIA. Software porting and development centre of excellence
  + Other consultancy activities with new communities
  + Centre of excellence on security
* Ibergrid
  + Topics for a centre of excellence: Application porting, infrastructure performances and green computing solutions
* NGI\_HR
  + Technology consultancy: Monitoring solutions, installing and system management solutions
* NGI\_CH
  + National eScience Team: Training, best practices, dissemination, enabling scientific use case