# 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