

# Preparation for the Workshop “EGI towards H2020”

NGI\_SK

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- Providing enabling services to researchers
- Operate European capability for HTC and data analysis
- Provide a flexible virtual research environment
- Identify and develop the human capital

# Providing enabling services to researchers

- Collaboration with new user communities
  - Nano-sciences and nano-technologies (status: use cases collecting, plans: support for the national project “*Scientific Park for Nano Materials and Nano Technologies*”)
  - crisis management (plans: fire VTP follow up)
  - speech recognition (plans: SPEED VTP follow up)
  - life sciences (plans: support for the national project “*Scientific Park for life sciences*”)
  - plans for all user communities: transition towards clouds
- Offer storage and other services for persistent data
  - plans: analyse of possible integration with national infrastructures (national project Data Center for Research and Development)
- Integration with EUDAT, PRACE or other infrastructures at national and European level
  - plans: further integration with national infrastructures (Slovak Infrastructure for High Performance Computing)
  - plans: analyze of possible integration with EUDAT and PRACE

- Cloud services
  - status: testing site in EGI FedCloud
  - plans: setup of production cloud services
    - ~400 compute cores
  - plans: utilizing cloud for Big Data (Hadoop)
- New resource types
  - plans: provide GPUs (grid, cloud) and HPC

# Provide a flexible virtual research environment

- Provisioning of virtual research environment and other portals and interfaces for an easy access to the resources
  - plans: VRE for nano-science user group (Science Gateways or portals)
- Development of AAI infrastructure or solutions
  - no plans

- Creation of NGI centre of excellence
  - Porting customer-application to grid and science gateways, integration of clouds and grids resources
  - user support
  - technology consultancy (system installation & configuration management solutions)