NGI H2020 Profile

**NGI ITALY**

13-05-2014

# Target user communities

* *Provide information here about the* ***top three*** *target international user communities (Research Infrastructures of the ESFRI roadmap, other international research collaborations and projects) that are part of your NGI strategic user engagement roadmap*
* *Provide information about how resources (data, storage,…) will be made available in your NGI to the community and according to which policy*

|  |  |
| --- | --- |
|  | Research Community/Project description (list in order of descending priority) |
| Community 1 | **EU projects: EMSO, DRIHM, ELIXIR-ITA, LifeWatch, DC-HRP, AG-INFRA, CHAIN REDS** |
| Community 2 | **IGI communities: bio-science, clima model, SPES, theophys** |
| Community 3 | **International communities: Computational Chemistry, WLCG** |
|  |  |

# Resource provisioning for target communities

* *For each of the* ***top three*** *communities provide information on the resources that nationally will be available and the related policies and cost model, as applicable*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Compute and storage capacity currently available (or available in the future) to deal with the data growth** | **Access policy** | **Available funding or funding models (present and future)** | **What existing resources the e-infrastructures can offer, their current usage, the limitations and plans to deal with the data deluge** |
| **EU projects** | Project related MoU | Restricted to the projects member | Yes | To be defined |
| **IGI communities** | National resources + IGI Web portal | Depends on the community | Depends on the community | NGI\_IT + Project resources |
| **International communities** | Resources depends on the MoU signed with the community and the Resource provider(s) | Depends on the community | Depends on the community | NGI\_IT + other NGI resources + Project resources |
| **Other communities** |  |  |  |  |

# User support skills

* *List and describe here your skills and user support competence that could be made available through a EGI Competence Centre with your participation as applicable*

|  |  |
| --- | --- |
|  | User support skills and related technical and disciplinary areas |
| Training and education | multi-year experience in organizing/running tutorials, training events and application porting schools |
| Technical skills | HIGH LEVEL WEB INTERFACE: gained experience in building grid/cloud Portals and Science Gateways based on Liferay technology .  Cloud site cloud orchestration via OCCI. Multiple midleware support via JSAGA |
| Discipline/user-specific skills | Expertise and offer of griddified important applications in several domains: Computational modeling and theoretical chemistry, EARTH SCIENCE MODELLING, Gemomics, Material Science, HEP, bio informatics |
| Other | Dissemination (posters, flyers, presentations at events) |

# Software development skills and experience

* *If interested in participating to software development/integration activities, list here the software development skills available in the organizations from your NGI and the experience*

|  |  |
| --- | --- |
| Skill | Description |
| Virtualizazion/Cloud | know-how and experience related to the WNoDeS and OpenStack frameworks |
| GRID/HPC | experience acquired in running small and medium sized HPC jobs in the Grid infrastructure |
| Services | multi-year experience in administering/configuring/running all the gLite core service (VOMS; WMS; CREAM; DGAS Accounting system) |
| Other | Multi-year experience in the creation of computing models based on distributed infrastructure using the glite middleware |