NGI H2020 Profile

**NGI-GE**

 06-05-2014

# 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 | Hydrometeorology, Climate change |
| Community 2 | Quantum chemical calculation |
| Community 3 | Plasma Physics |
|  |  |

# 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** |
| **Community 1** | Intel Xeon E5-26xx 32+ cpu/cores, 10+Tb space | Certificate | National Science Foundation  | Only 32 cpu/cores and 2Tb disk space |
| **Community 2** | Intel Xeon E5-26xx 32+ cpu/cores, 10+Tb space | Certificate | National Science Foundation | Only 32 cpu/cores and 2Tb disk space |
| **Community 3** | Intel Xeon E5-26xx 32+ cpu/cores, 10+Tb space | Certificate | National Science Foundation | Only 32 cpu/cores and 2Tb disk space |
| **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 | GRID access and job submit and planning |
| Technical skills | Programming language C/C++/Fortran, Linux shell scripting, distributed programming models (MPI/OpenMP) |
| Discipline/user-specific skills | Prepare tasks from the above mentioned community to lunch it on the grid (WRF-ARW, Proton transfer in DNA using DFT, Relativistic plasma bunches interaction with ultra-high laser beams) |
| Other |  |

# 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 |
| Skill 1 | Jdl, bash, C/C++. |
| Skill 2 |  |
|  |  |
|  |  |