NGI H2020 Profile

**NGI GRNET**

15-05-2012

# 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 | Life Sciences (including LifeWatch and ELIXIR projects) |
| Community 2 | Atmospheric |
| Community 3 | Linguistics |
| Other | SEE (catch all / Long tail) |

# 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** |
| **Life Sciences** | Storage and CPU locally installed for specific projects (such as <http://www.lifewatchgreece.eu/>) or specific tasks. No overall plan for data growth (dependent on external resources) | Access per request / personal accounts. However there is extreme interest in setting up collaboration portals for data sharing / analysis | No (partial for Lifewatch, intended matching funds for ELIXIR-GR) | To be defined (however, it should address secure and transparent data access from different sources). Also there is a strong potential for employing EGI resources instead of local resources and the Institute level) |
| **Atmospheric** |  | To be defined | To Be defined | To Be defined |
| **Lingusitics** | Support for Clarin-el | To be defined | To be defined | To be defined |
| **Other communities** | SEE Catach All (long-tail )  Other | Varies | Varies | Varies |

# 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 | Organising a training roadshow to promote the usage of grid and cloud technologies  User grid and cloud events organisation  Training material and curriculum for specialized courses on Life Sciences on Grid infrastructures (graduate / post-doc level and up) (some exist already in form of seminars)  WeNMR and Bioinformatics portals training |
| Technical skills | Cloud / Grid skills  Application Porting and deployment  Support for “Gridification”  MPI Support  Application Development  Application hosting |
| Discipline/user-specific skills | Knowledge of NGS data analysis  High Performance Sequence analysis  Structural Biology workflows |
| 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 |
| Cloud | Development and Operation of GRNET own cloud management framework synnefo (<http://synnefo.org>) |
| Application Database | Development and Operations of EGI’s application Database |
| SAM / Argo Monitoring framework | Development and Montirin |
| Repository/ Software Provisioning | Development and Operation of EGI Software Provisioning service |
| Other | Multi-year experience in the creation of computing models based on distributed infrastructure using the glite middleware |