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 technologiesUser grid and cloud events organisationTraining 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 skillsApplication Porting and deploymentSupport for “Gridification”MPI SupportApplication DevelopmentApplication hosting |
| Discipline/user-specific skills | Knowledge of NGS data analysisHigh Performance Sequence analysisStructural 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 |