NGI H2020 PROFILE

NGI France – France Grilles

12-05-2014

(V1 - to be completed)

1 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*

Our priority in this call is to help communities new comers to the grid and the cloud to develop their tools their skills and to find collaborations to share experience at European level. The objective is to help them to benefit from the EGI ecosystem.

	Research Community/Project description (list in order of descending priority)
Community 1	**Financial Data**
Community 2	**Biodiversity and environmental sciences**
Community 3	**Communities members of the UCB with national users**

2 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**
Financial Data	Bedofih project resources https://www.eurofidai.org/en/Intraday_Bedofih_Equipex_en.html Present: 300 To data storage + 5 Dell PowerEdge C8220 In the future: up to 1Po + 35 PowerEdge C8220	Restricted (Bedofih project members) and on call to financial data researchers	Yes 2012-2019	About 15% of data storage are included in global FG-iRODS architecture
Biodiversity and environmental sciences	France-Grille/EGI cloud/Mésocentre MCIA (3 000 cores) About 30 To for storage Galaxy portal https://galaxy-pgtp.pierroton.inra.fr/	public	60 k€ (one year engineer) + one full time job of a permanent position.	Galaxy interface User friendly access to HPC for biodiversity scientific community – Permit access to distributed and virtual infrastructure to cope with data deluge.
Communities members of the UCB with national users	VO related resources	VO related policy		
Other				

communities				

3 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	Related to community biodiversity: Applied mathematics and computer sciences NGI: DIRAC and iRODS training sessions Cloud training sessions User grid and cloud events organisation (about 100 attendees and webcast)
Technical skills	Related to community biodiversity: Programming (python, DIRAC API, C, Galaxy server) NGI: DIRAC and iRODS skills Cloud skills
Discipline/user-specific skills	Related to community biodiversity: Development of a Galaxy interface making many tools available for a scientific community in Biodiversity
Other	Related to community biodiversity: Existing algorithm for data analysis in Biodiversity (R, Python, C) NGI: Dissemination (posters, flyers, presentations at events)

4 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
DIRAC developpment	DIRAC developers
Related to Biodiversity community:	Port onto the grid EGI or EGI cloud an existing e-lab (virtual BiodiversityL@b, se https://galaxy-pgtp.pierroton.inra.fr) for user friendly access to HPC by scientific community dedicated to Biodiversity.
Related to Biodiversity community:	Distribute or parallelize existing algorithm for use of HPC infrastructure by scientific community in biodiversity studies.
Related to VOs	Development of VAPOR to (1) provide statistical reports and status indicators about the resources supporting a VO, and (2) facilitate the management of VO users' data.
Related to operations	Development of the operations portal
iRODS experience	Team of iRODS administrators