



NGI H2020 PROFILE

NGI Israel

01-06-14

1 Target user communities

| | Research Community/Project description (list in order of descending priority) |
|-------------|---|
| Community 1 | SMEs involved in original research <ul style="list-style-type: none">• The SMEs from life science, biomed, medical devices, networking technologies and more• Offers services to SMEs throughout all research stages up to full production• Training, maintenance and deployment of software on the Grid. |
| Community 2 | Physics <ul style="list-style-type: none">• Training, maintenance and deployment of software on the Grid. |
| Community 3 | Commercial and academic bio-medical researchers <ul style="list-style-type: none">• Training, maintenance and deployment of software on the Grid. |
| | |



2 Resource provisioning for target communities

| | 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 |
|--|---|---------------|--|---|
| SMEs Physics Life Sciences and Biomed | <u>Current:</u> 48 intel E5506 @ 2.13GHz with 2 GB memory per core, 60 intel E5645 @ 2.4GHz with 2 GB memory per core, 10TB NAS storage <u>Budgeted Pipeline:</u> 600 intel Xeon X3450 @ 3.0 GHz with 8 GB memory per core, 6 intel Xeon x3650 @ 3.4 GHz with 2 GB memory per core, 28 intel Xeon @ 3.4 GHz with 2 GB memory per core, 36 TB SAN storage | Certificate | | Resources coordinated by NGI IL, and listed. Support access to IUCC Cloud Service Unit (CSU), coordinated SaaS-type access and support to commercial cloud offerings.(The CSU is currently under development) |
| Other communities | | | | |



3 User support skills

| | User support skills and related technical and disciplinary areas |
|--|---|
| Training and education | Isragrid has six years of experience supporting and assisting a customer base of about 120 SMEs and academic researchers leverage the power of distributed grid computing to advance their work. Annual seminars and training have been conducted and an active Helpdesk provides day to day support. |
| Technical skills | Isragrid's expertise spans all aspects of computing, including from storage, cloud, programming and software development. Isragrid is an active member of the biomed technical team, contributing in efforts to monitor infrastructure and address and implement technical issues that make the infrastructure more accessible and user-friendly. |
| Discipline/user-specific skills | Israeli users made up about 25% of the total CPU time used by the life sciences / biomed VO and as such, Isragrid has unique experience supporting SMEs and academic users in this field. |
| Other | |



4 Software development skills and experience

| Skill | Description |
|---------------------------|---|
| Software Design | HTML, CSS, Java, JavaScript, PHP, Python, Perl, C#, SEO, XML, Web Server Administration, SQL. Maintaining code and creating new. Experienced and strong programming logic expertise. |
| Project Management | Isragrid has extensive experience in reviewing current systems; developing innovative ideas for system improvements, including cost proposals; working closely with system analysts, designers and staff; generating detailed technical specifications; testing products in controlled, real-life simulations before going live; preparing of user training manuals; and maintaining running systems. |
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