**User and General EGI Sustainability Workshop**

**Breakout session on National Sustainability**

**Assignment 1. (Duration: 20’)**

**You can find three possible NGI visions for 2020. Discuss them and agree on a common vision for an ideal NGI (the ACME NGI)**

**A.** In 2020, our NGI is part of the national e-infrastructure organisation, that is an umbrella organisation also for:

* The research network (NREN)
* The computing and data facilities
* The national science foundation

This partnership has the duty to serve researchers and research communities in the country providing an excellent e-infrastructure and associated services (which may also be procured from commercial providers) according to the demands of 2020.

**B.** In close cooperation with the entities for supercomputing in the country, the NGI will be the one-stop-shop for all computing and data demands of scientific users in the country below the top-class system that require proposals to get access to. The NGI offers and operates the required basic Grid services to enable this federated national e-infrastructure that seamlessly integrates all computing and data resources on the national and regional level.

**C.** By 2020, the NGI will serve as integrator of resources and user support expertise for the scientific world in the country, at the level of public or private research centres. The national funding body funds an integrated infrastructures instead of small isolated clusters, thus achieving economy of scale.

Your proposal:

**Assignment 2. (Duration: 10’)**

What roles does your ACME NGI will play in the EGI Ecosystem?

|  |  |  |
| --- | --- | --- |
| **Role** | **Description** | Yes/No |
| **National Coordination Body** | Has a defined governance role within their national borders as being the designated representative for their country’s activities internally and internationally |  |
| **Technology Provider** | An open-source software collaboration or commercial software provider that delivers technology to infrastructure providers or virtual research communities |  |
| **Platform Operator** | Ensures that the services that make a platform integrated and deployed on behalf of a particular user community are operating effectively on the distributed resources |  |
| **Platform Integrator** | Brings together components from different technology providers to meet the needs of a particular consuming community (e.g. individual researcher, research group, VRC or infrastructure provider). |  |
| **Resource Infrastructure Provider** | It manages, on a geographical basis (generally through national borders), the aggregation of the services provided by individual resource centres and manage the operational delivery of the coordination services under their management |  |
| **Resource Centre** | Provider of compute, storage and other resources that are exposed through locally deployed services to meet the needs of particular research communities. |  |

**Assignment 3. (Duration: 20’)**

**What are the top 5 customer needs that your ACME NGI wants to fulfil? (Order from 1 to 5 for each category)**

**Researchers/Scientist**

|  |  |  |
| --- | --- | --- |
| **#** | **Functional Need** | **Number** |
| 1 | Access to a knowledge network |  |
| 2 | Free resource usage |  |
| 3 | No fees for using e-infrastructures |  |
| 4 | Easiest possible resource access (no certificates) |  |
| 5 | No waiting time for resource usage |  |
| 6 | Small transfer times for data |  |
| 7 | On-demand deployment of services on OS of their choice in remote systems |  |
| 8 | Receive specialized consulting on the best way to manage their data remotely and to run their applications |  |
| 9 | Skilled support to enable scientists to solve their immediate computational, data-processing and storage needs |  |
| 10 | Manage, preserve, securely share large-scale scientific data in remote systems |  |
| 11 |  |  |
| 12 |  |  |
| 13 |  |  |
| 14 |  |  |
| 15 |  |  |

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| **#** | **Emotional Need\*** |  |
| 1 | Security (safe territory and an environment) |  |
| 2 | Attention (to give and receive it) |  |
| 3 | Sense of autonomy and control |  |
| 4 | Being emotionally connected to others |  |
| 5 | Feeling part of a wider community |  |
| 6 | Privacy |  |
| 7 | Sense of status within social groupings |  |
| 8 | Sense of competence and achievement |  |
| 9 | Having meaning and purpose |  |
| 10 | Being important and understood by the resource centers |  |
| 11 |  |  |
| 12 |  |  |

\* how many of these emotional needs does your customer experience design deliver?

**Assignment 4. (Duration: 10’)**

**What are the services that the ACME NGI needs from EGI.eu in order to achieve its vision?**

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As soon as you have completed the questions, please send this document to

policy@egi.eu