



Federated Clouds Task Force

Progress Report – Amsterdam, 24 November 2011

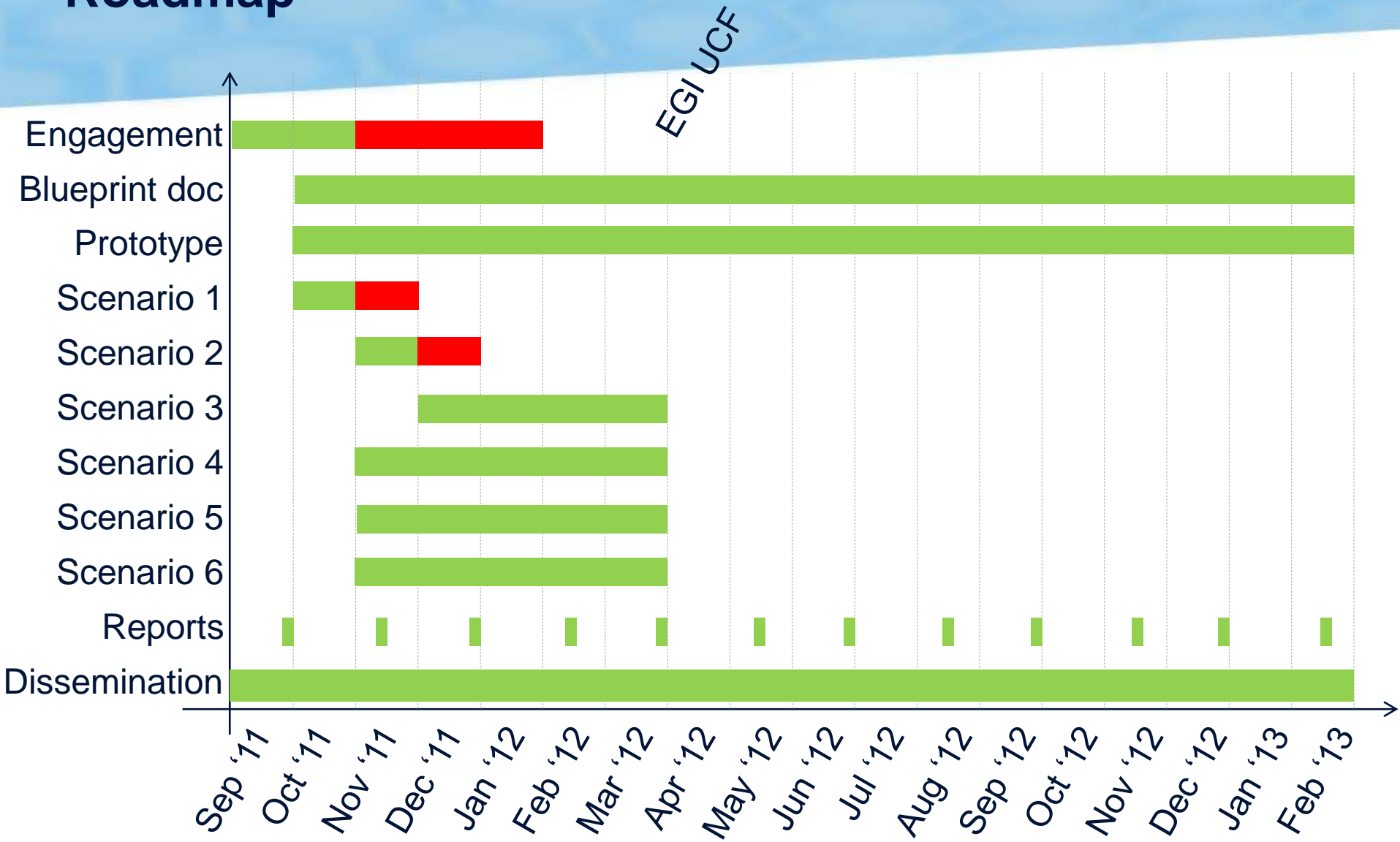
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Outline

- Roadmap
- Engagement
- Deliverables: prototype and blueprint
- Scenarios
- Dissemination
- TF members activity report
- Conclusions

Roadmap



Engagement



50 members

22 institutions*

- 14 Resource Providers
- 6 Technology Providers
- 1 User Community
- 2 Liaisons

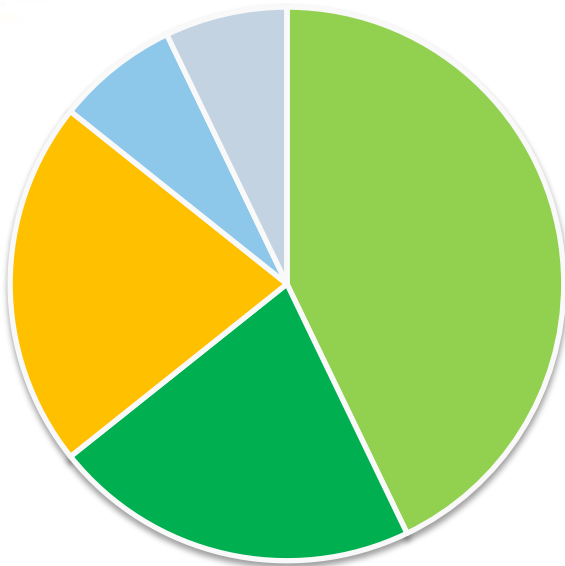
* 1 institution is both a resource and technology provider; EGI.eu is not represented in this pie chart due to its management role.

24 Sep – 24 Nov: +433% engaged institutions.

User community uptake is lower than required:

- engagement task extended for 2 months;
- undergoing contacts with 3 user communities;
- focus on outreach liaison activities.

Engagement – Technology Heterogeneity



14 Resource Providers

7 OpenNebula

3 StratusLab

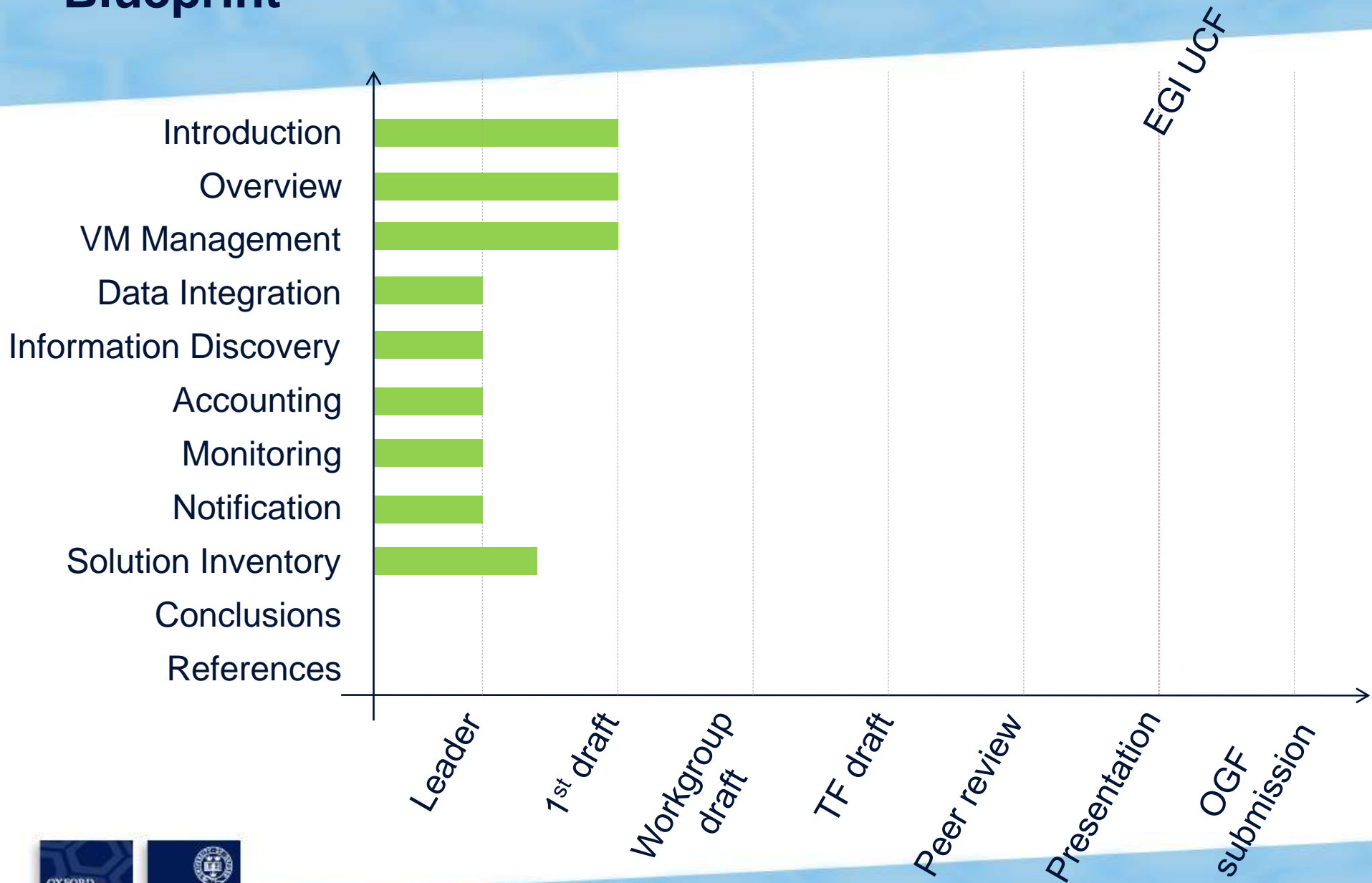
3 OpenStack

1 WNoDeS

1 CloudSigma

- 5 cloud management technologies.
- 70% OpenNebula/StratusLab.
- Multiple management interfaces: OCCI, EC2, custom APIs, Jclouds-compatible APIs.
- Multiple storage and data-management technologies.

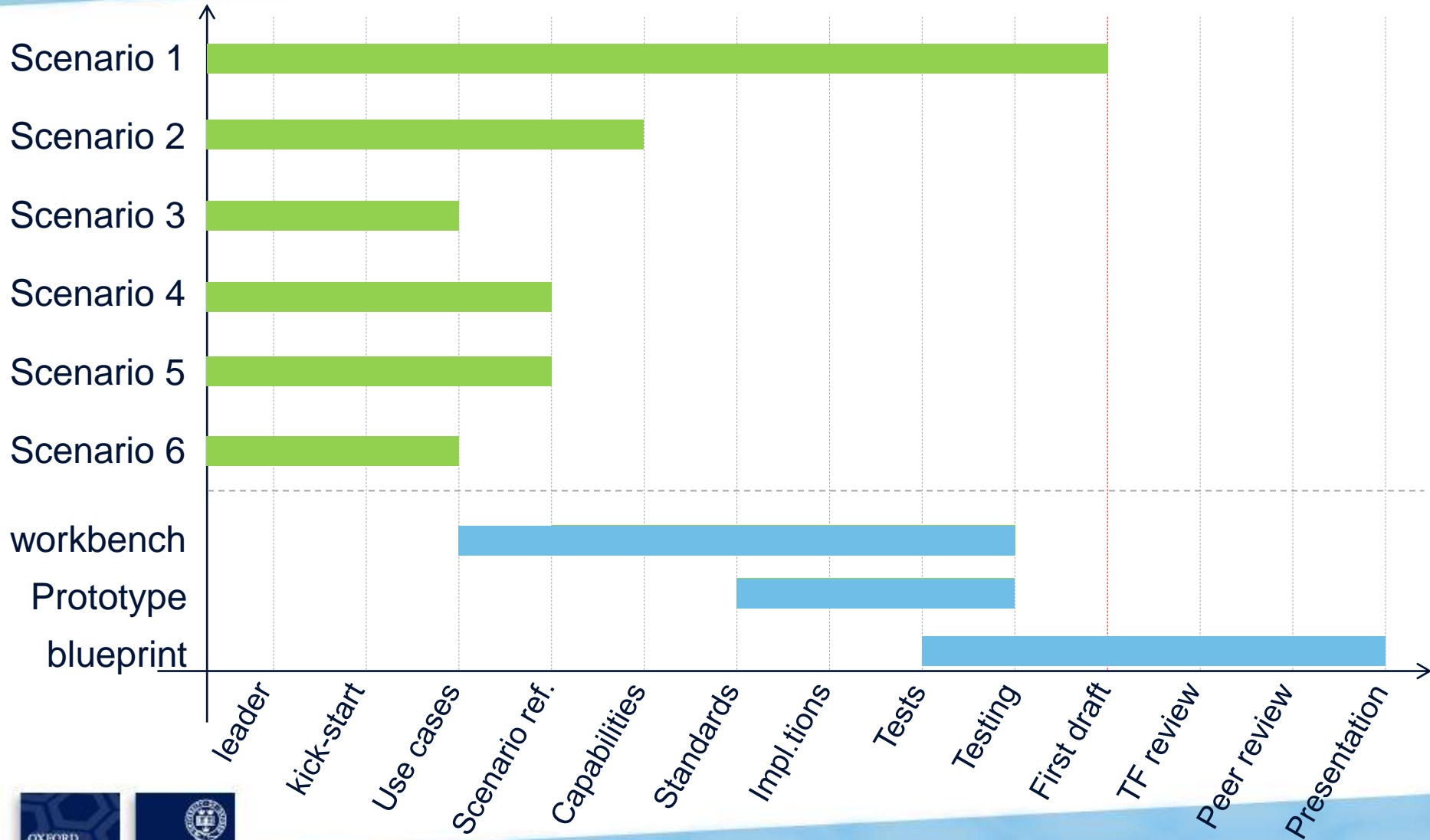
Blueprint



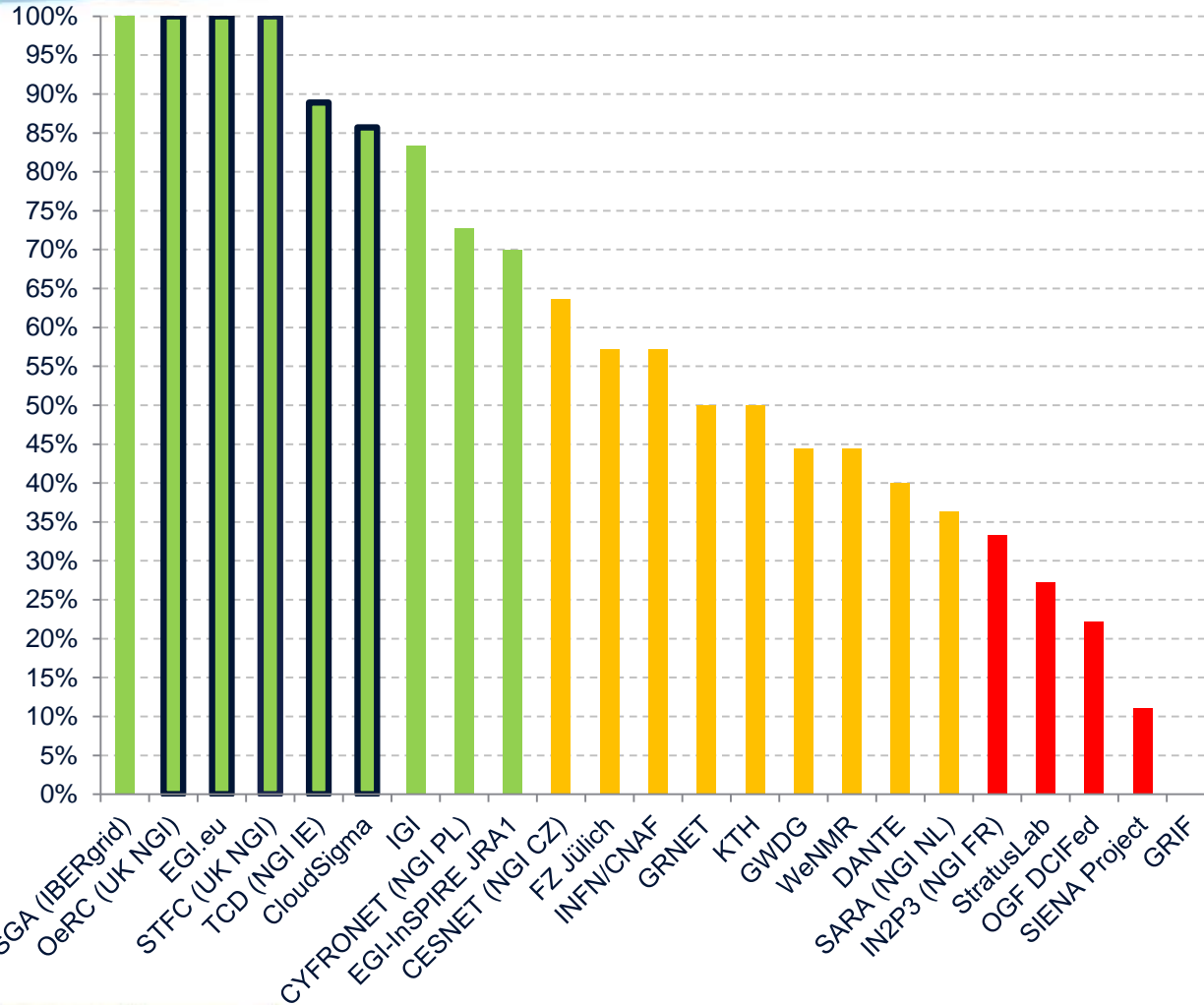
Clouds Federation Prototype

- **Lifespan:** 18 months.
- **Prototype ≠ blueprint:** the implementation of the prototype deals with the trade-offs imposed by technology availability, providers schedule and agendas, contingent users' preferences, time and effort availability.
- **Bottom up approach:** starting from an independent group of providers, the blueprint is implemented for successive approximations.
- **To-Dos:**
 - discuss and produce requirements and design documents for the prototype;
 - define necessary features. I.e. federated AAI, VM container conversion scripts, federated monitoring, etc;
 - engage user communities.

Scenarios Progress



TF Members Activity Report



Meeting attendance

Average 56%

- 9 attends >70%
- 9 attends >35%
- 5 attends <35%

Leading Scenarios

- 6 Scenarios lead by 5 institutions

Scenarios collaborations

Data to be collected



Conclusions

Positive

- **Progress.** the six workgroup activities have achieved the planned milestones. The next two months will be the most critical for matching the March 20th deadline.
- **Blueprint.** first milestones achieved – 1st draft introduction, overview and Scenario 1.
- **Engagement.** 23 institutions, 18 actively participating to the TF activities.
- **Tools.** indico, Hi-Def, Wiki and Basecamp properly support the TF activities.

To improve

- **Participation.** Improving but still too low. **Solutions:** data analysis for non-voluntary resource allocation, ‘gamification’.
- **Prototype.** lack of a shared design document; lack of federated AAI. **Solution:** creation of a dedicated workgroup in the TF.
- **Users.** Users community engagement is too low. **Solution:** list of contacts and improved outreach.
- **Development.** The TF does not have enough developers’ effort available. **Solution:** more resources for the TF?



Thank you

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