

Working Group on modular federation of FIRE Facilities

preliminary findings

Jon Crowcroft Uni. Cambridge

Piet Demeester Uni. Gent

Jacques Magen

Phuoc Tran-Gia Uni. Wuerzburg

Jerker Wilander (Moderator)

Objectives

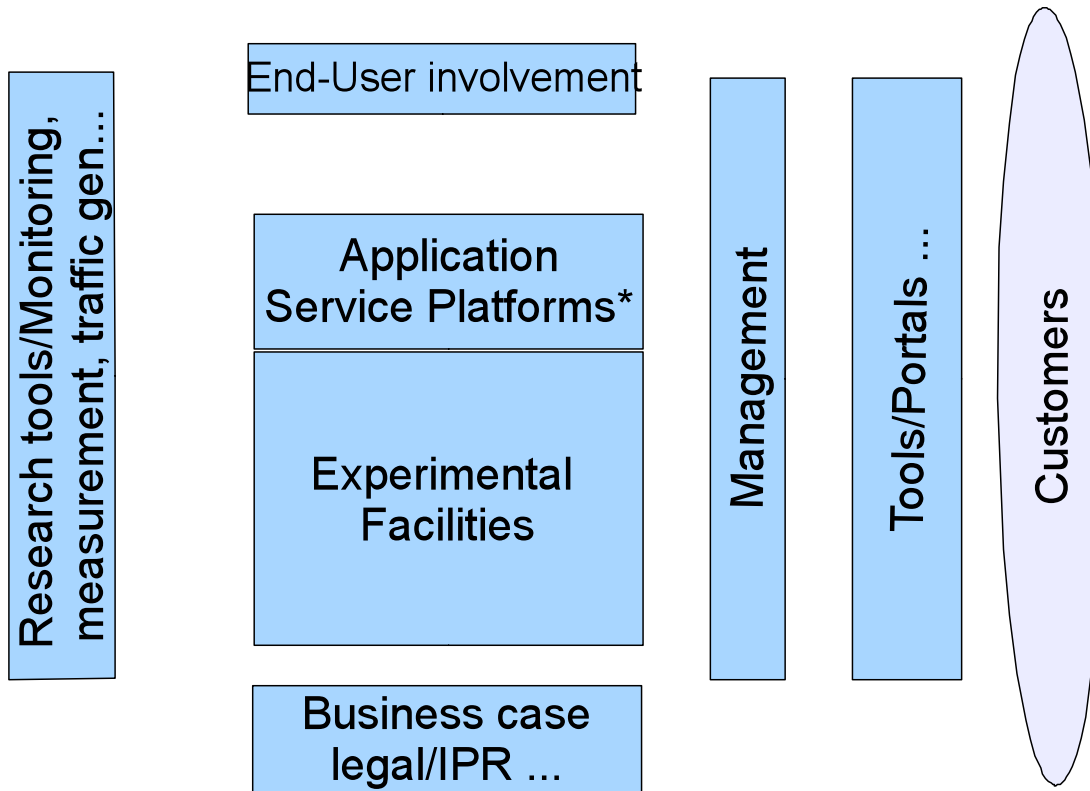
The objective of the working group is to derive an outline of the architectural principles for a high-level FIRE federation architecture for the evolving facility prototypes, projects and infrastructures.

Addressing:

- technical
- operational
- legal aspects and
- issues related to different business models.

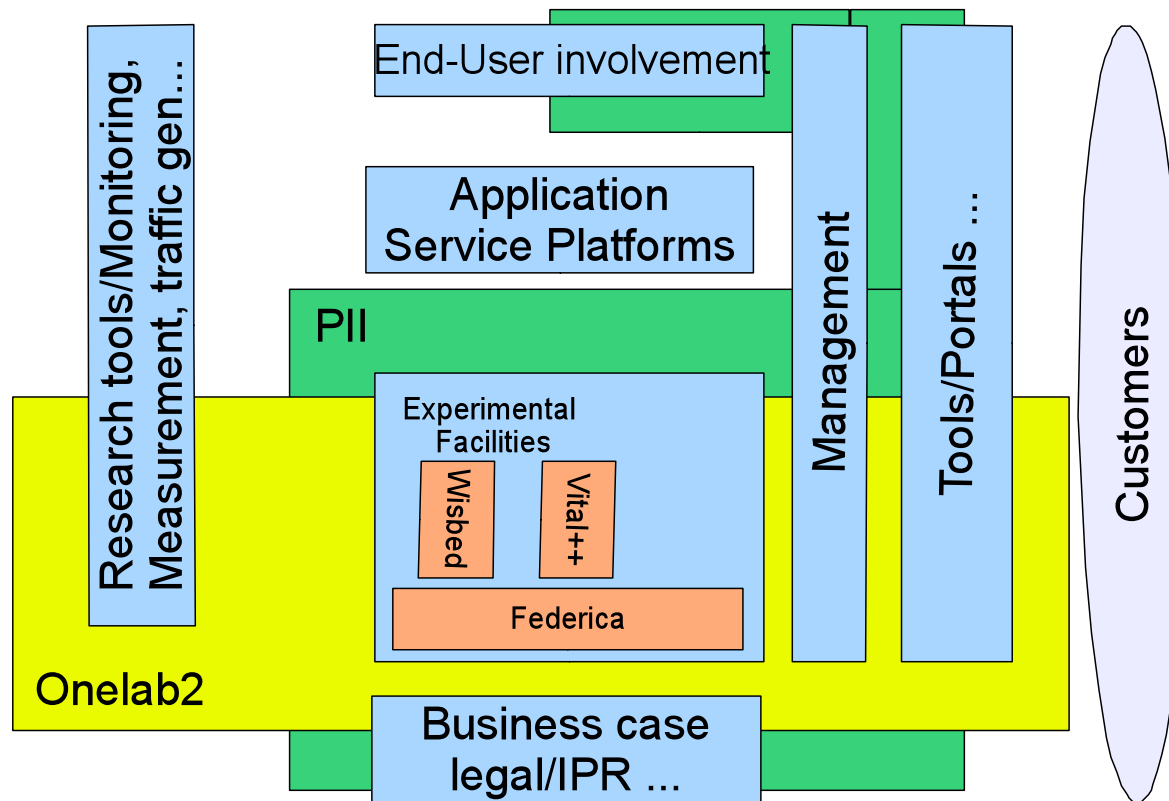
The group shall set the framework for the federation/ integration of future facility projects submitted under the next FIRE Calls.

FIRE map

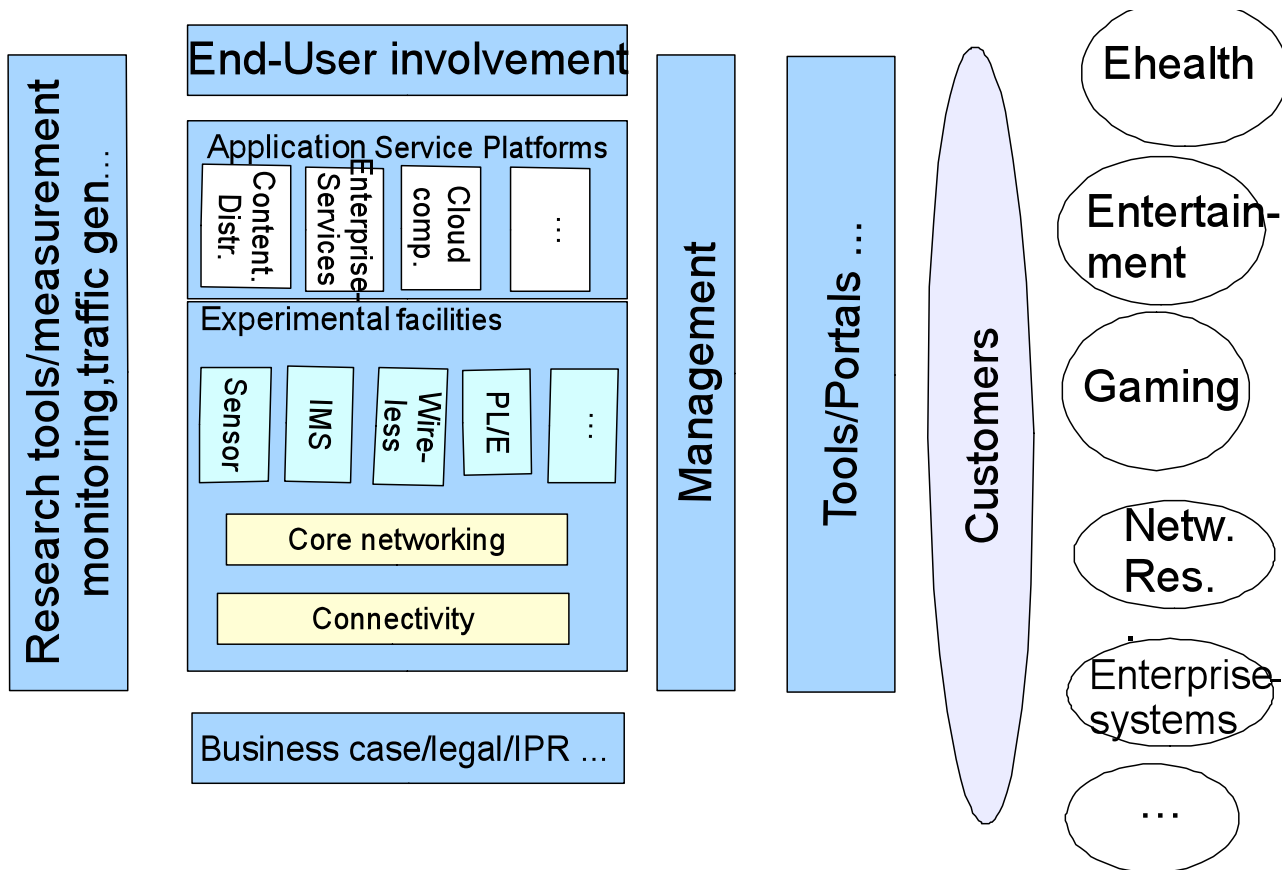


* Not yet formally within FIRE

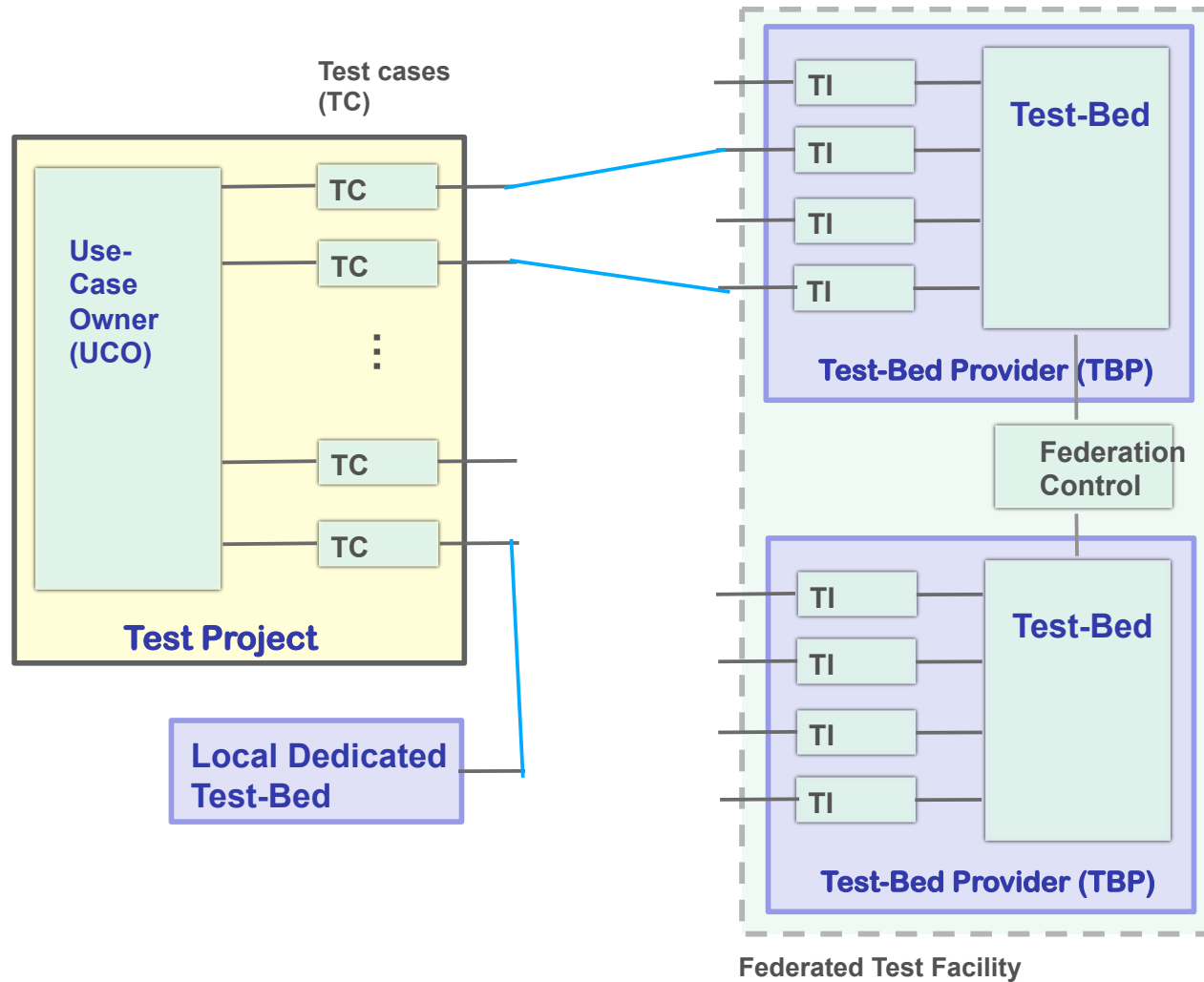
FIRE map - project coverage



FIRE map extended view



Federation



Comments

- A tool supporting one-stop-shop of experimental facilities is key to FIRE.
- The tool/office should help identifying what facilities could be used and aid in creating a federated test-bed for the test-case in mind.
- New facilities should not copy existing facilities, but create clear added value or build on existing facilities.
- Projects using experimental facilities under FIRE should target innovative "Future Internet developments".
- Testbed providers must have identified customers owning test-cases.
- Missing domains could be addressed as eg optical networking and software services.
- New projects should be operational within a year.
- The role of GEANT, NRENs and National/International Projects is important and needs to be elaborated.
- Federation is important but even more important is interwork between testbeds

Further work

1. Work continues; developing a white paper to be presented beginning July
2. Further background information to the working group is encouraged from projects
3. This working group is considered as the beginning of an integration process which obviously will require refinement and implementation by the running and coming FIRE Facility projects.