



TESTBED FOR FUTURE  
INTERNET SERVICES

TEFIS – Open call



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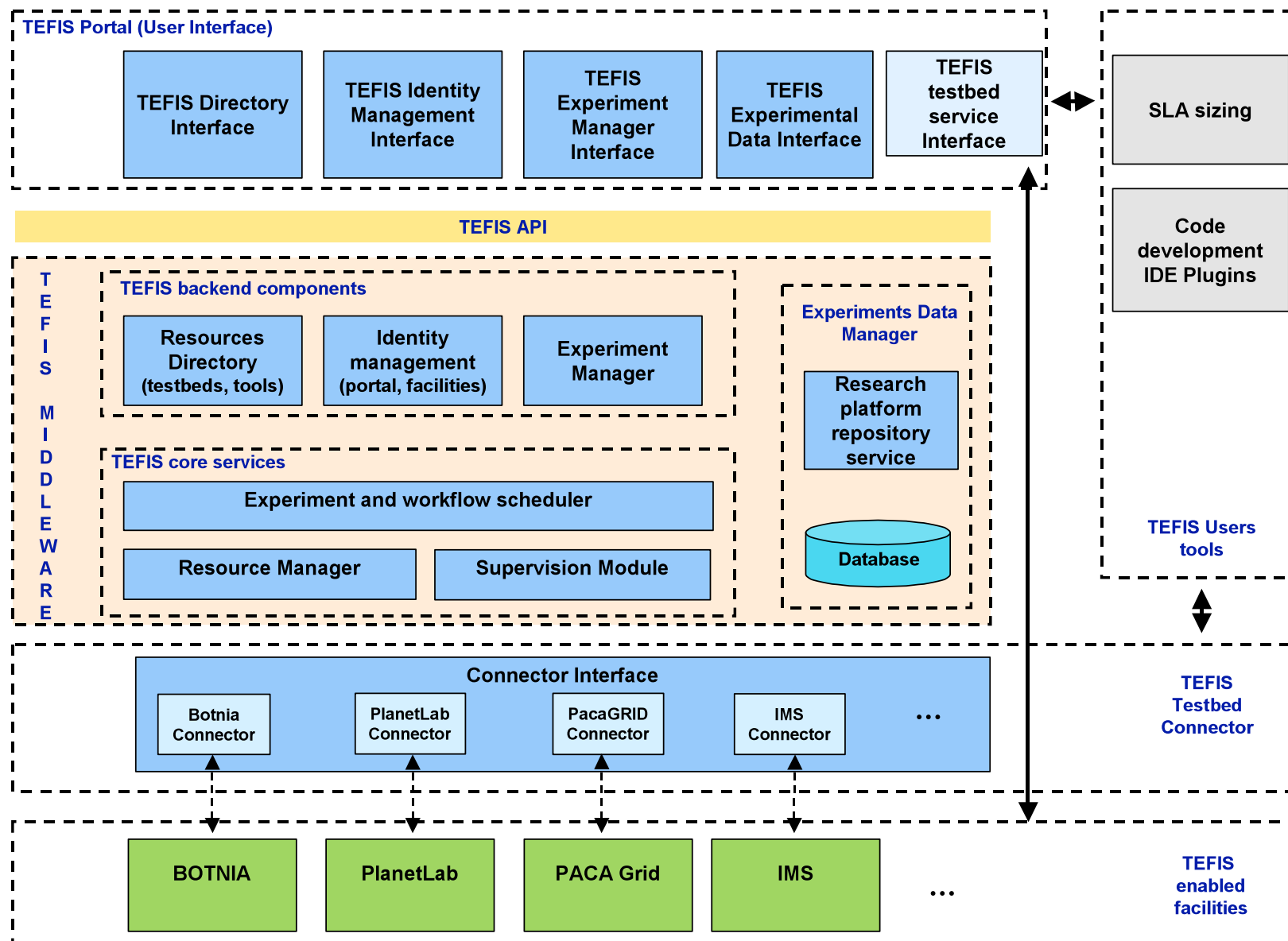


# The TEFIS approach

- Open platform for the management of the complete experiment orchestrated across heterogeneous facilities
- Support service development lifecycle
- Allow efficient combination of various facilities
  - Networking resources
  - Living lab resources
  - Cloud resources



# TEFIS platform design



# Facilities available in TEFIS

**Planetlab:** evaluation of network protocols and large-scale distributed systems.

**PACA Grid:** computational resources for applications such as simulations, financial computations, image processing, etc.

**ETICS :** testing quality, reliability and interoperability of distributed complex systems.

**SQS IMS:** conformance validation and interoperability testing of applications over IMS (IP Multimedia Subsystem).

**Botnia Living Lab:** products and services experimentally developed in real-life contexts with real users.

**KyaTera:** network performance evaluation to evaluate the quality of the network, transmitting multimedia data to a specific Quality of service level



# Experiment example – Messaging

## Content sharing application over IMS

### Design tool

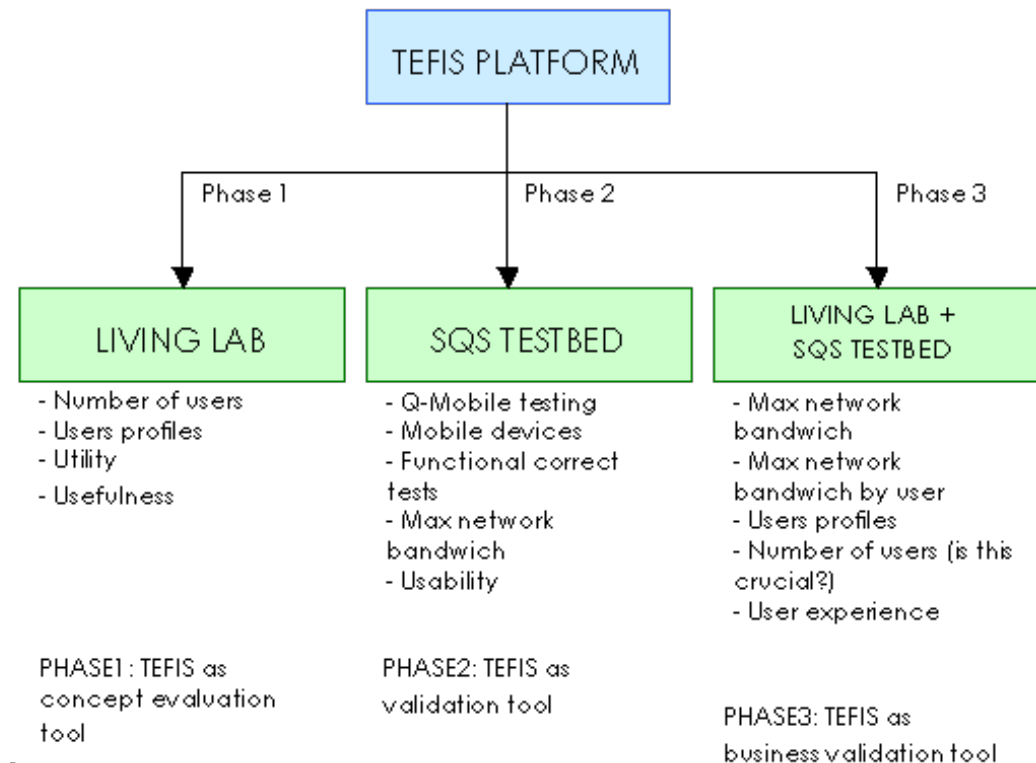
User feedback to assess the application concept (BOTNIA)

### Prototype validation

Functional testing (IMS)

### Business validation

User feedback on charging model for the Operator (Botnia + IMS)



# Experiment example - eTravel

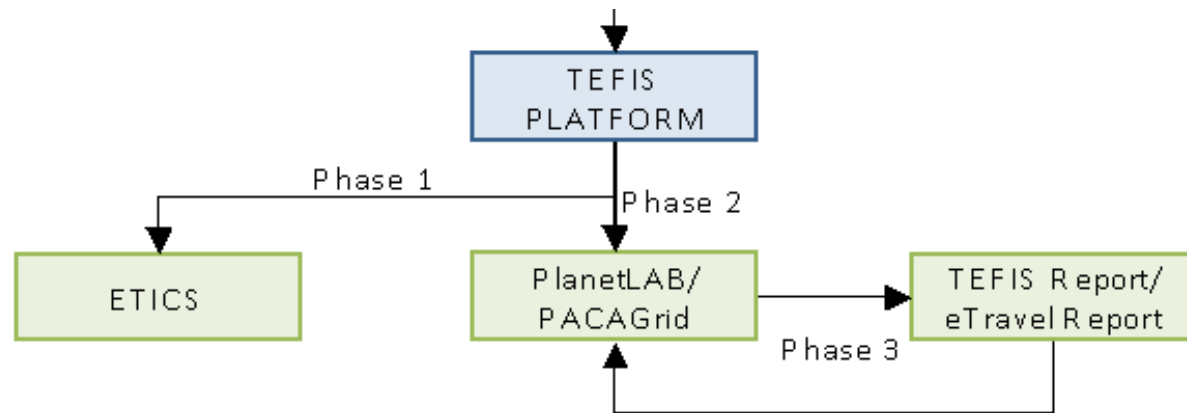
## Large scale SOA e-Travel application

### Characteristics

Integrates and orchestrate many independent services

### Validate

- Correctness of application behaviour across different hardware configurations ; (ETICS, PacaGrid)
- Performance measurements with different sets of input data; (PacaGrid, PlatnetLab)
- User Interface quality/usability (Botnia)



# Open Call for pilot experiments

- **Do you need?**

- End-user feedback for your idea, concept, application
- Software quality test, deployment and packaging test
- Functional, performance, scalability tests
- Evaluation of networking protocols under real conditions



- **We seek for pilot experiments**

- Make use of at least 2 facilities: Networking (SAC, IMS), Cloud computing, Living labs
- in other areas than already covered by existing TEFIS use-cases (e-health, e-commerce and mobile content sharing).

## **Restrictions**

TEFIS is a facility under development to orchestrate Future Internet experiments. The TEFIS consortia doesn't take any responsibilities in fulfilling the functionality of the facility nor in the fulfilment of the expected outcome for the proposers of the Open call experiment. Proposers are to be seen themselves as partners of the development work of the TEFIS facility and the experiments from the Open call are trials for the development of the TEFIS portal and its features.



# Elegibility and funding

## The call is open for:

- Any legal entity established in a Member State or an FP7 Associated country
- Any legal entity established in an FP7 International Cooperation Partner Country (ICPC).

## Funding rules

- Selected institutions will become formal partners of TEFIS project.
- The funding of the new partners depends on the FP7 rules
  - 50% for big companies,
  - 75% for public bodies and SMEs

## TEFIS funding

- Max 200 K€ per experiment
- TEFIS may support 3 experiments with 150 K€





# Submit a proposal

Fill in the **experiment description template** (download on the website)

Proposal language is **English**

Submission in a single file in **PDF format** . No attachments.

Indicative amount of pages: **max 20 pages**.

**Using only the sections of the Template.** No additional main sections will be evaluated.

**Call announcement:**

End of February 2011

**Deadline to submit a proposal:**

27.04.2011, 17h00 Brussels time

**Submission is via e-mail to:**

**[tefisopencall@cdt.ltu.se](mailto:tefisopencall@cdt.ltu.se)**

with as the subject line of your message,  
***“Competitive call- TEFIS PROPOSER’s NAME”***

**[www.tefisproject.eu](http://www.tefisproject.eu)**



# Evaluation process

Minimum 2 experts per proposal

List of experts is subject to the POs approval.

Evaluators will be called upon to assess the experiments to make sure it can be supported by the TEFIS platform.

Results are subjects to the POs approval

Evaluation criteria will be published on Tefis website

## Become an expert!

**3 days** per evaluator (daily rate 450 euro/day).

Evaluation and consensus meeting will be done **remotely**.

2 evaluators will be assigned for each proposals.

Timeframe: **may 2011**

We seek evaluators:

- with **expertise** in experimentation, software and services applications
- **independent** from the project partners and proposers



# Evaluation criteria

## Criteria used for the EC's evaluation of projects

### Scientific and/or technological excellence

- Clear objective with the experiment
- Future Internet Technologies involved in the experiment
- Clear need for the facilities offered by TEFIS for the experiment
- Including more than one phase of the service development lifecycle.
- Expected outcome of the experiment that can be met by TEFIS
- Reference projects, experience of the proposer in experimenting and ICT service development

### Quality and efficiency of the implementation and the management

#### Potential impact

- Added value of the results obtained from the experimental activities for the experimenter and the TEFIS project.
- Potential impact for the development of experimental platforms for future internet research and development. This will focus in particular on the network and partners of the proposer to extend the relations and visibility of the FIRE initiative of EC and the exploitation of TEFIS.



# Open call helpdesk

***Formal questions for the Open call:***

Joseph Latanicki, Thales

[joseph.latanicki@thalesgroup.com](mailto:joseph.latanicki@thalesgroup.com)

***Technical questions related to testbeds and the TEFIS facilities:***

Jeremie Leguay, Thales

[Jeremie.LEGUAY@fr.thalesgroup.com](mailto:Jeremie.LEGUAY@fr.thalesgroup.com)

***Experimental questions related to methodology for experiments and TEFIS facilities:***

Brian Pickering, IT Innovation, [jbp@it-innovation.soton.ac.uk](mailto:jbp@it-innovation.soton.ac.uk)

***Living Lab specific questions:***

Annika Sällström, Luleå University of Technology

[annika.sallstrom@cdt.ltu.se](mailto:annika.sallstrom@cdt.ltu.se)





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