

Pan-European Laboratory Infrastructure Implementation

PII service offering

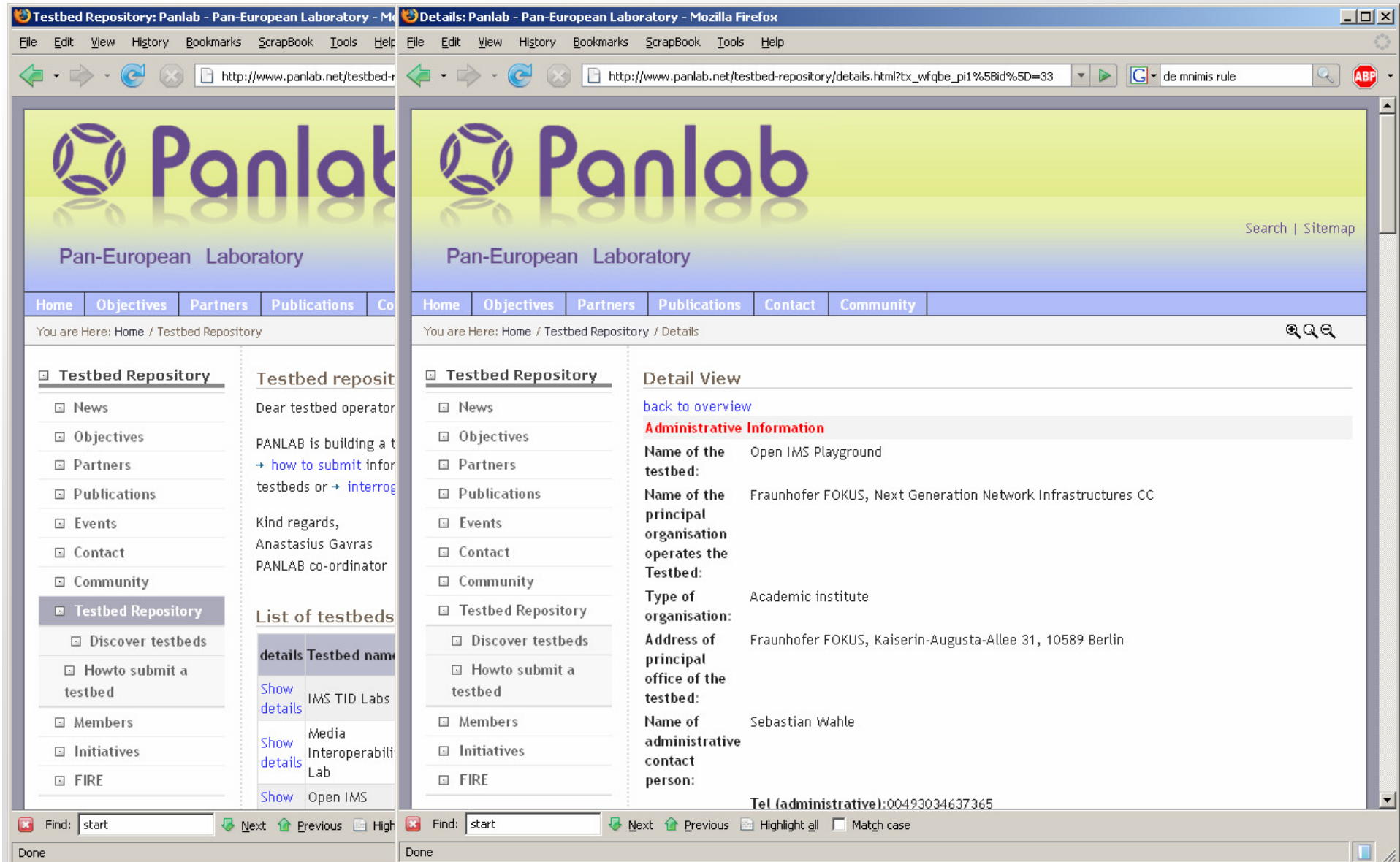
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Some terminology

- ▶ A *testbed* is an environment which allows experimentation and verification for research and development products. A testbed provides rigorous, transparent and replicable testing and herein it is always used in the context of new information and (tele-)communications technologies for networks and services.
- ▶ A *testbed federation* or federated testbeds is the interconnection of two or more independent testbeds for the creation of a richer environment for testing and experimentation, and for the increased multilateral benefit of the users of the individual independent testbeds.

Panlab repository



The image shows two browser windows from the Panlab repository website. The left window displays the home page, and the right window displays the details for a specific testbed.

Home Page (Left Window):

- URL: <http://www.panlab.net/testbed->
- Navigation: Home, Objectives, Partners, Publications, Contact
- Content: "Testbed Repository" section with a list of links: News, Objectives, Partners, Publications, Events, Contact, Community, Testbed Repository (selected), Discover testbeds, Howto submit a testbed, Members, Initiatives, FIRE.
- Text: "Dear testbed operator", "PANLAB is building a t", "→ [how to submit](#) infor", "testbeds or → [interrog](#)", "Kind regards,", "Anastasius Gavras", "PANLAB co-ordinator".
- Table: "List of testbeds" with columns "details" and "Testbed name".

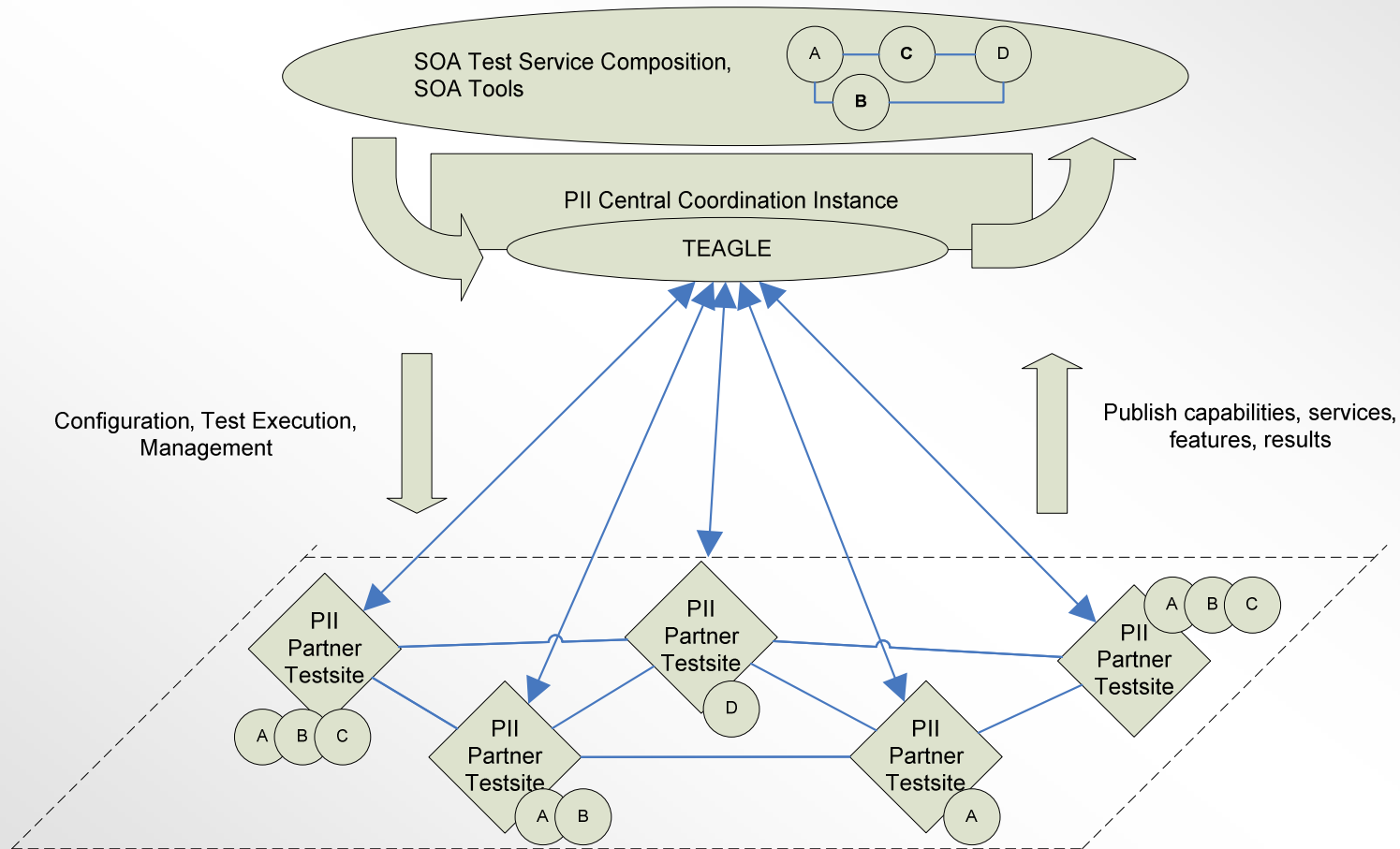
details	Testbed name
Show details	IMS TID Labs
Show details	Media Interoperabili Lab
Show	Open IMS

Details Page (Right Window):

- URL: http://www.panlab.net/testbed-repository/details.html?tx_wfqbe_pi1%5Bid%5D=33
- Navigation: Home, Objectives, Partners, Publications, Contact, Community
- Content: "Detail View" section with "Administrative Information" table.

back to overview	
Name of the testbed:	Open IMS Playground
Name of the principal organisation operates the Testbed:	Fraunhofer FOKUS, Next Generation Network Infrastructures CC
Type of organisation:	Academic institute
Address of principal office of the testbed:	Fraunhofer FOKUS, Kaiserin-Augusta-Allee 31, 10589 Berlin
Name of administrative contact person:	Sebastian Wahle
Tel (administrative):	00493034637365

Discovering, composing, provisioning testing services



Service offering – The Teagle tool

- ▶ The Teagle tool is a completely new development that PII will develop and validate. It is based on the formulated vision of Panlab, about a testbed resources search tool
- ▶ Available software engineering practices and tools will be used as enabling technologies, yet the services offered by Teagle are unique
 - The first version will support the service description of available resources, the storage of these description in a description repository and will support simple searches for resources based on the information stored in the repository
 - The second version will offer the mechanism for splitting the user requested service into functional blocks to be accommodated on different parts of the PII network offering the most appropriate capabilities. The second version will support the orchestration of composite testing services across several testbeds.

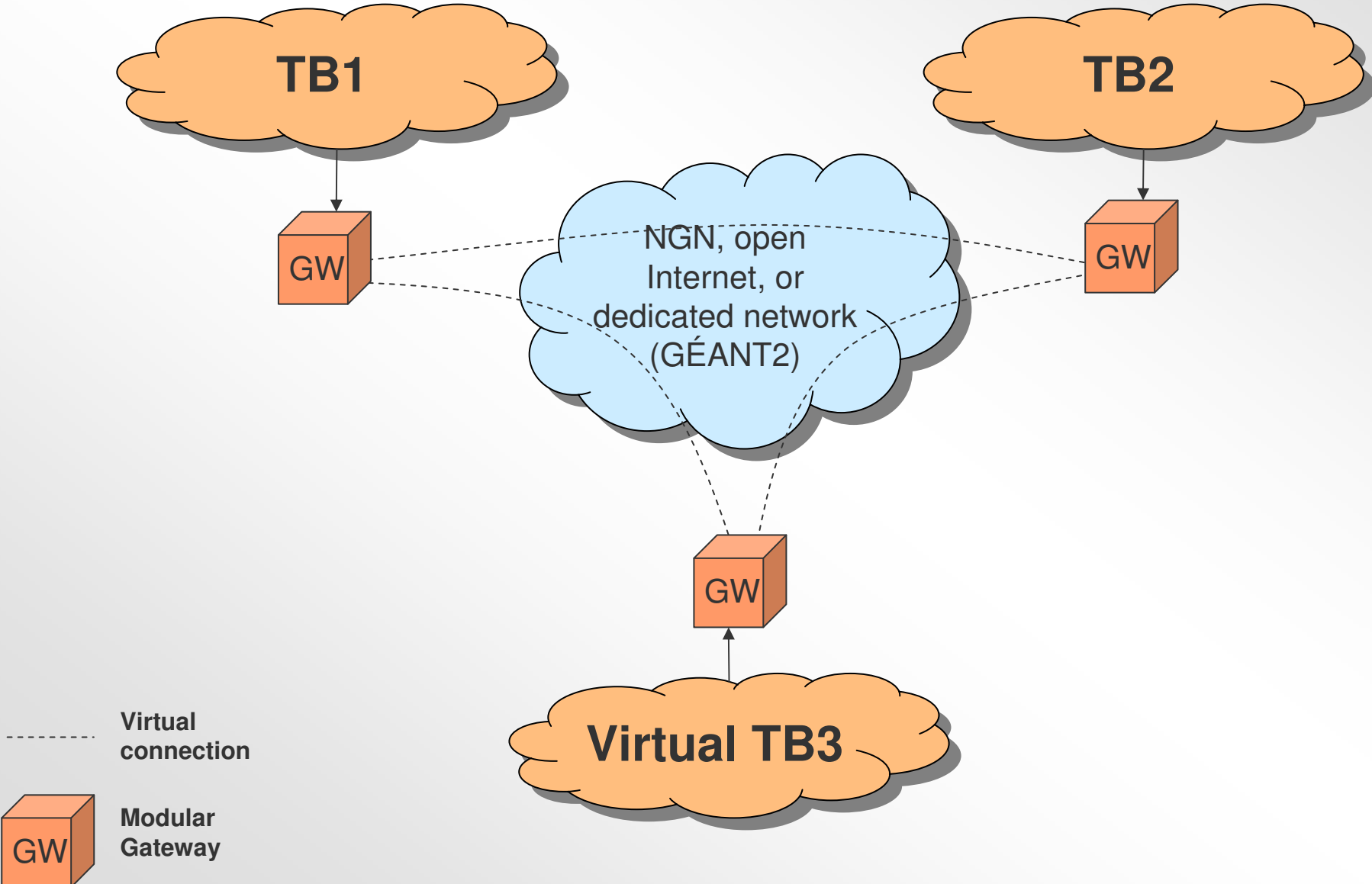
Service offering – The PII web interface

- ▶ The PII web interface will offer the only means of communication between the PII federation, the testing users and the testbed providers. Through the PII web interface the following functions and customer interactions will be possible
 - A new testbed provider is able to describe the offered resources and is guided through the quality assurance processes that will confirm the functionality and quality of the offering
 - The PII testing services offered are being advertised
 - A testing user is able to describe his requirements for a testing configuration
 - A testing user is able to execute searches for available testing resources
 - The testing user is able to provide feedback concerning the PII service quality

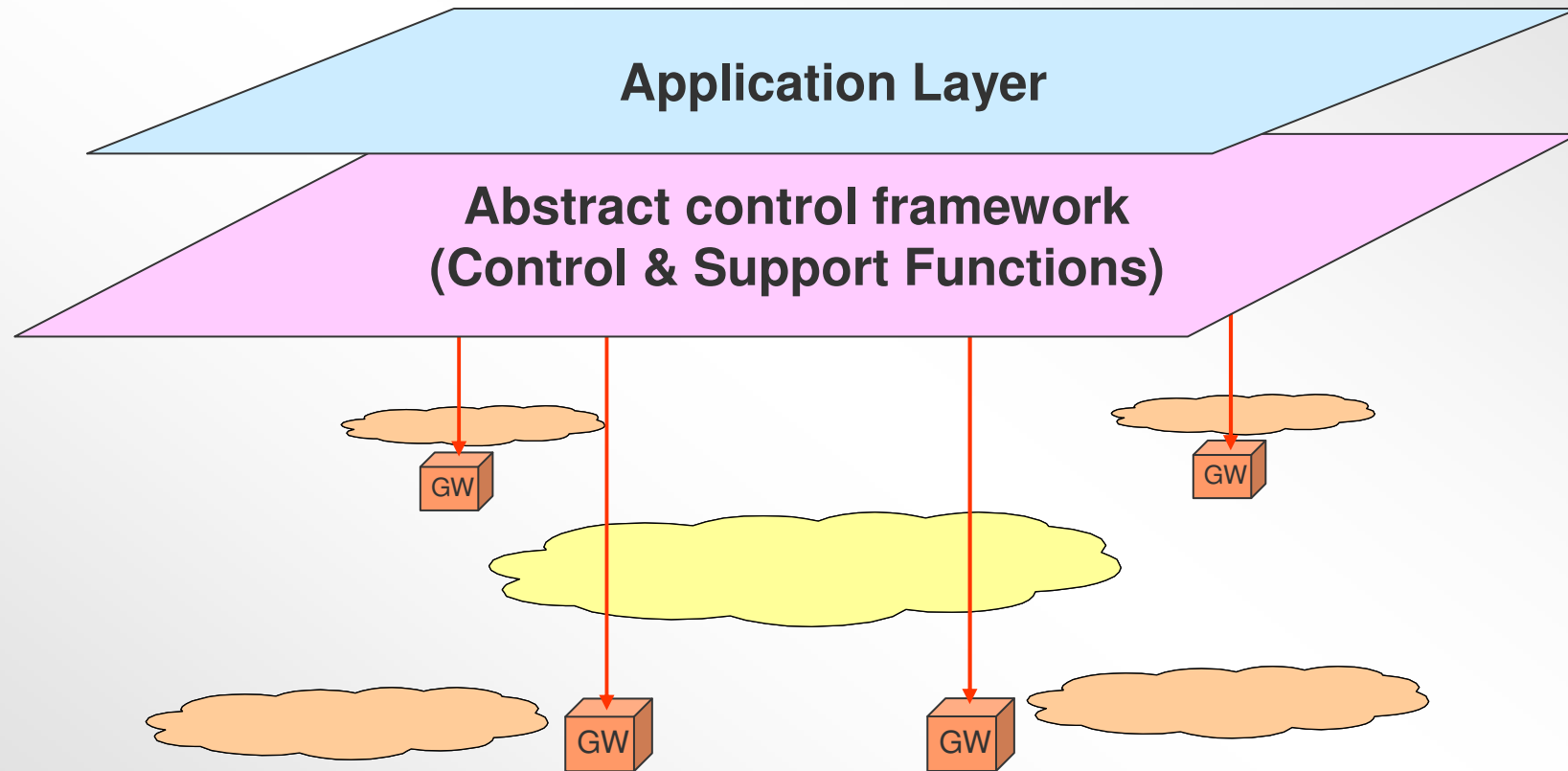
Service offering – Quality assurance

- ▶ PII will define several metrics that will be used to measure customer and testing user satisfaction. These metrics will be included as meta-information in the repository of service offerings and will parameterise future references and advertisement of the service offerings.
- ▶ Examples of quality metrics:
 - Overall satisfaction of the testing user
 - Service-level satisfaction (conformance of technical parameters)
 - Importance vs. Satisfaction
 - Uniqueness of services
 - Timeliness of service provisioning
 - Interest in future services

Connectivity



Controlling Connectivity



Panlab Seminar

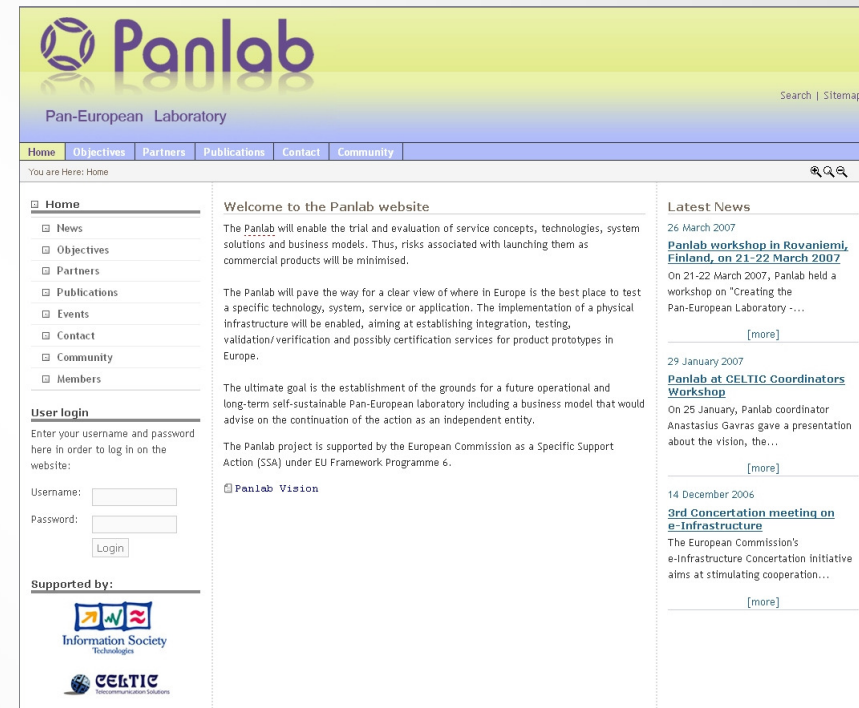
13-14 May 2008, Dinard, France

<http://www.panlab.net/events/panlab-seminar-2008.html>

The seminar will present the main project results of Panlab on testbed federation for next-generation networks as well as best-practice examples of testing services in Europe

Contact and further information

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The screenshot shows the Panlab website homepage. At the top, there is a navigation menu with links for Home, Objectives, Partners, Publications, Contact, and Community. Below the menu, there is a search bar and a "You are Here: Home" indicator. The main content area is divided into three columns. The left column contains a "Home" section with a list of links: News, Objectives, Partners, Publications, Events, Contact, Community, and Members. Below this is a "User login" section with fields for Username and Password, and a "Login" button. The middle column features a "Welcome to the Panlab website" section with introductory text and a "Panlab Vision" link. The right column contains a "Latest News" section with three news items, each with a date, a title, a short description, and a "[more]" link. At the bottom of the page, there is a "Supported by:" section with logos for Information Society Technologies and CELTIC.

www.panlab.net