

**EU/NSF workshop
On the Future of the Internet
Pisa, Italy, 14 Sept. 2006**

**Pan European Laboratory for
Next Generation Networks and
Services**

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What is the Pan-European Laboratory?

**CELTIC**

Telecommunication Solutions

- ▶ A concept and a vision
- ▶ Both originate in the Eureka programme cluster CELTIC
 - www.celtic-initiative.org
- ▶ Panlab is a project (SSA) funded by the European Commission under FP6
 - Panlab enables and facilitates the Pan-European laboratory vision

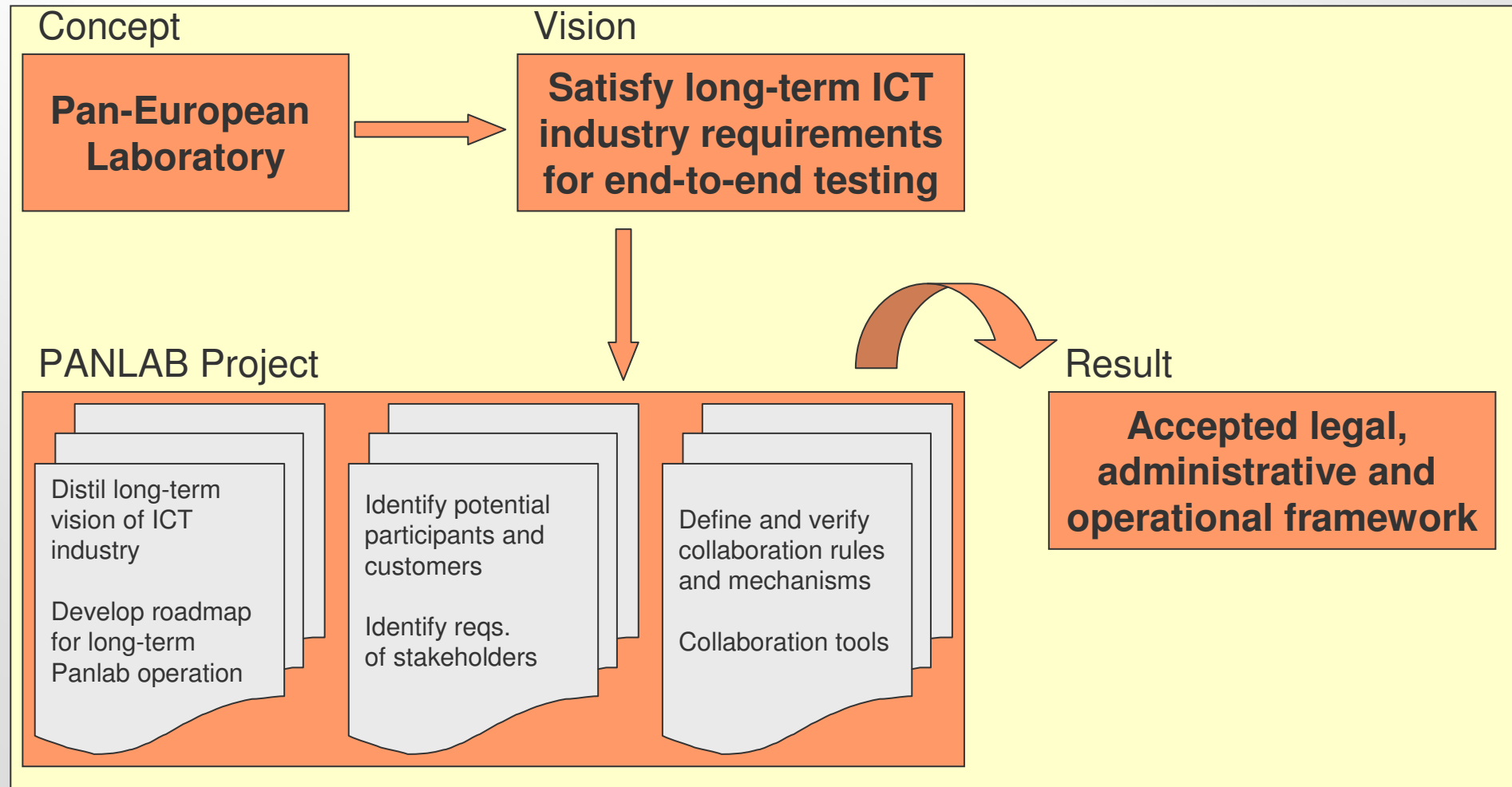


Information Society
Technologies

Vision

- ▶ Provision of testing facilities for
 - Services and content
 - Software infrastructure
 - Network infrastructure
- ▶ Traceable interoperability between multiple interconnected platforms
- ▶ Reliable and coherent end-to-end operation through a common structure

Overview of Pan-European Laboratory



Target

- ▶ A successful Panlab leaves a self-sustainable, long-living, and well-functioning legacy of guidelines, principles and rules allowing the implementation of the Pan-European telecommunication test laboratory. This laboratory combines a set of high-quality testbeds and laboratories in Europe and worldwide, the activities of which are widely known, highly valued and guaranteed for the customer.

Value proposition

- ▶ Panlab assures the visibility of the federation of laboratories
- ▶ The testing sites and testbeds become known and accessible for the potential customers
- ▶ Individual testing facilities gain valuable visibility and publicity by joining the Pan-European laboratory.

Project Panlab

- ▶ Distil long-term vision of ICT industry
- ▶ Develop roadmap for long-term Panlab operation
- ▶ Identify potential participants and customers
- ▶ Identify requirements of stakeholders
- ▶ Define and verify collaboration rules and mechanisms
- ▶ Collaboration tools

Common Technology Vision

- ▶ is a long-term Technology Roadmap and a Strategic Development Guideline for testing activities in European and global telecommunications

Stakeholders

- ▶ are existing testing laboratories, testbeds, and collaborative projects in FP6, FP7, Eureka clusters and other international initiatives

Accepted framework

- ▶ of legal, economic, administrative and operational rules that enable collaboration of testing laboratories and testbeds

Collaborate and compete

- ▶ Standardised metrics for meaningful comparison of capabilities of independent testing sites
- ▶ Transparent classification and rating
- ▶ Induce incentives for competition
 - Maintain high quality of testing facilities
 - Always state-of-the-art
- ▶ Brokerage service for testing facilities
- ▶ Credibility and trustworthiness in handling confidential information

Important aspects

- ▶ Definition of resources
- ▶ Descriptions of testing processes
- ▶ Possibility for roadmap testing
- ▶ Scheduling
- ▶ Availability, transparency of restrictions
- ▶ Economic model, transparent pricing
- ▶ Marketing

Administrative details

- ▶ Panlab is a Consortium of 10 organisations
 - Eurescom (Coordinator) supported by CELTIC, France Télécom, Telefonica, Italtel, Thomson, Alcatel, Nokia, Fraunhofer Fokus, DIMES, RAD, École de technologie supérieure
- ▶ Is supported by the EC as an SSA under FP6
 - Budget: 1.3 Mio. €
 - Effort: 134 Person-months
 - Start: June 2006
 - Duration: 24 months

