Project Information

Use Cases for Interconnected Testbeds and Living Labs

NetLab will develop a platform of interconnected testbeds from three EU countries, together with different Living Labs. NetLab is designed to tackle their interoperability, scalability, complexity and mobility aspects as well as security and QoS requirements, coupled with validation in large scale testing environments.

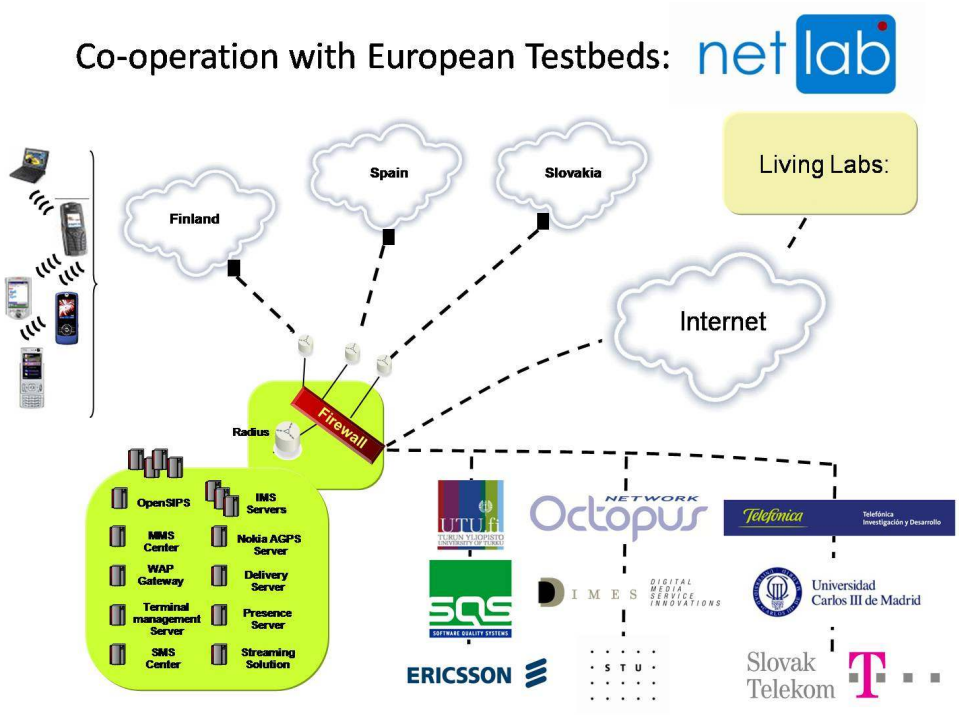
Main focus

NetLab will sustain research and experimentations that will ascertain the convergence and interoperability of different test beds, protocol variants and services based on IP Multimedia Subsystem (IMS). The choice of IMS is considered a key factor by the project for obtaining a sustainable and future generic interconnection proof test bed where the user can discover and select the network and services used to perform his/her tests. Particular emphasis will be placed on interoperability of the test beds, the interconnection and sharing of software tools, the experimentation and validation of protocols and services and also in providing trusted access to services.

Approach

The NetLab project will be completely integrated in the Panlab framework. The objective of NetLab is to experiment in real life the INTERCONNECTION of platforms from different countries, and implement real use cases related to the Panlab and Living Labs concepts. The project can therefore serve as a laboratory to implement the results and findings developed in both Panlab and Living Labs.

As a summary: NetLab will have 2 main focus areas:



NetLab

Project ID: CP5-018

Start Date: 1 July 2008

Closure date: 28 December 2010

Partners:

DIMES - Digital Media Service Innovations, Finland

Ericsson Network Services S.L. Spain

Octopus Network, Finland

Slovak Telekom, Slovakia

Slovak University of Technology in Bratislava, Slovakia

Software Quality Systems, Spain

Telefónica I+D, Spain

Universidad Carlos III, Spain

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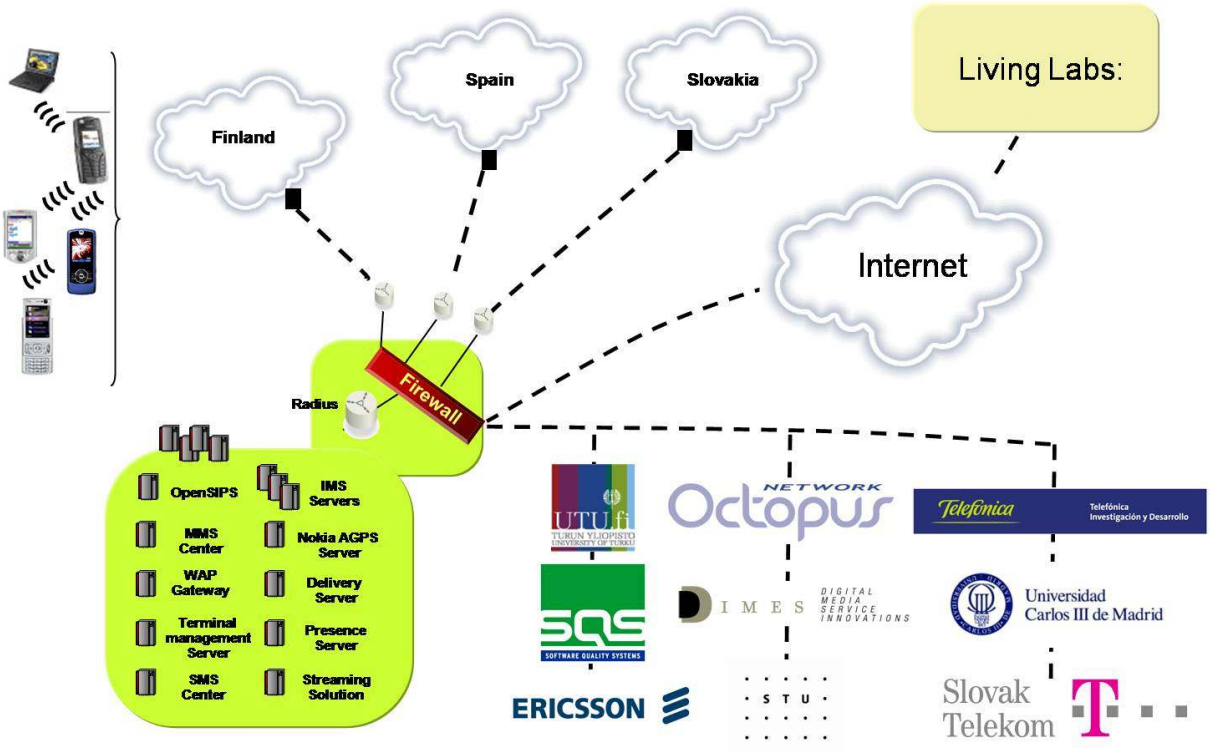
Project Website

www.celtic-initiative.org/projects/netlab

Co-operation with European Testbeds: netlab



- It will setup a first interconnected test laboratory to implement and provide feedback on Panlab concepts
- It will also define interlinking between Panlab and Living Labs, and deploy first use cases on interconnected Living Labs

Main results

The major outputs will lead to a scenario-based model of HOW to integrate Testbeds and LivingLabs concepts, understanding how real users could be engaged including specified requirements demonstrated by a generic demonstrator (test cases), utilising the documented methods with a business focus and involving actors in the value chain.

Impact

There is a need to improve European-wide aspiration for innovation towards job creation and business growth. From a market creation perspective, NetLab approach offers a research and innovation platform which can enhance technology, economical, social and cultural systems cross-regionally and cross-nationally. NetLab will be able to create European-scale experimentation platforms and pilot user groups for new services, business and technology and thus help to create new market, industry and business.

About Celtic

Celtic is a European research and development programme, designed to strengthen Europe's competitiveness in telecommunications through short and medium term collaborative R&D projects. Celtic is currently the only European R&D programme fully dedicated to end-to-end telecommunication solutions.

Timeframe: 8 years, from 2004 to 2011

Clusterbudget: in the range of 1 billion euro, shared between governments and private participants

Participants: small, medium and large companies from telecommunications industry, universities, research institutes, and local authorities from all 35 Eureka countries.

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