

FIRE – project demos

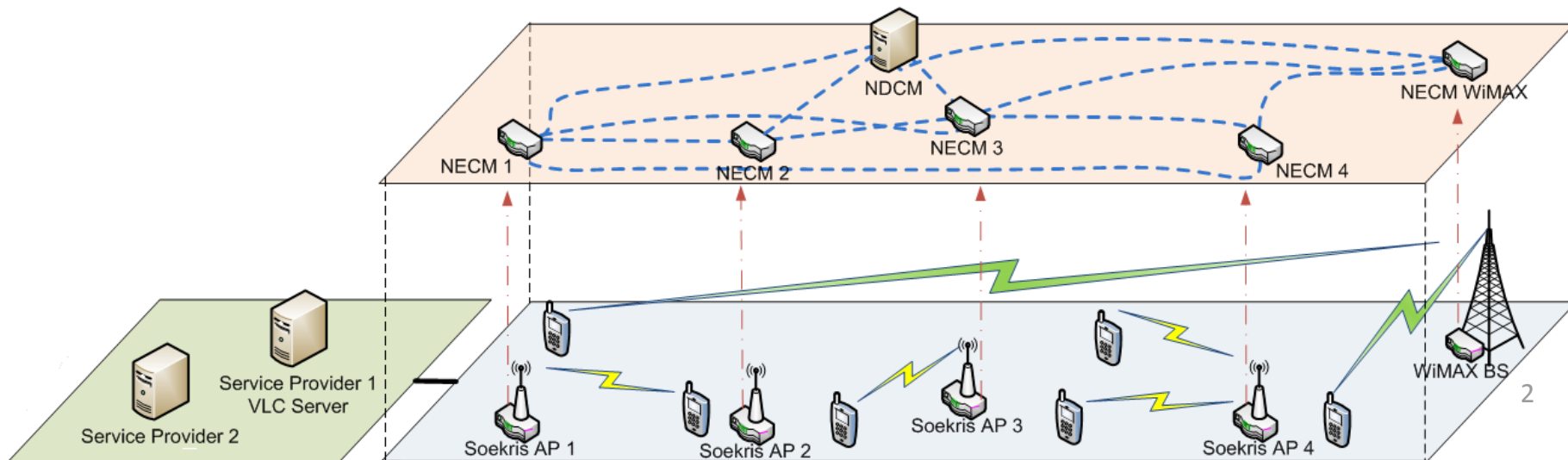
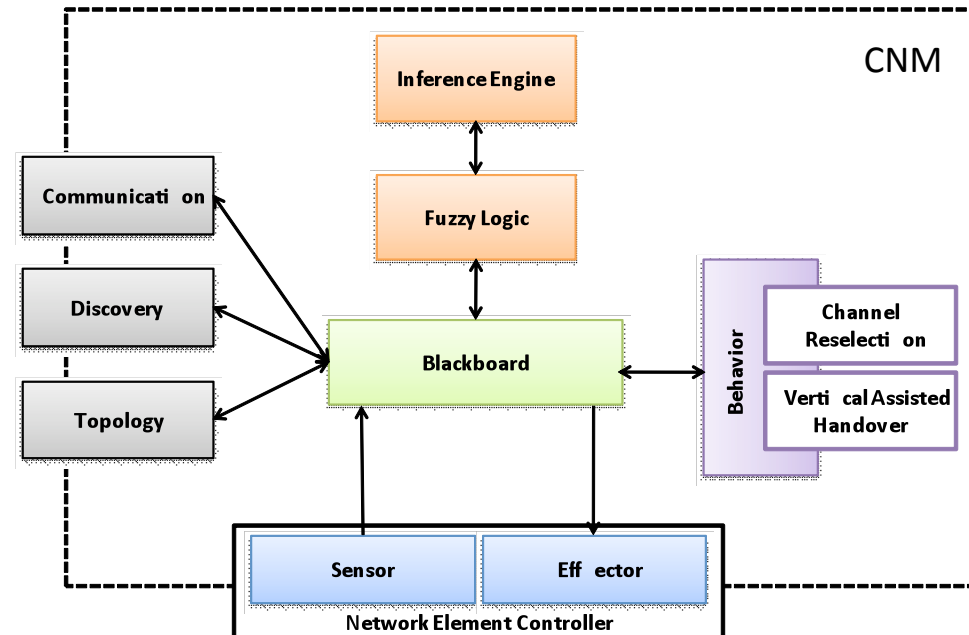


www.ict-fire.eu

Self-NET Demo Overview

CAPACITY & COVERAGE OPTIMIZATION OF SELF-MANAGED FUTURE INTERNET WIRELESS NETWORKS

- Three-axis approach:
 - Cognition development
 - Cognitive Network Managers
 - Cognitive cycle engineering using SOA for network management
 - Experimentation on “Capacity & Coverage Optimization of Self-managed Future Internet Wireless Networks” use case
 - Channel reselection
 - Vertical Assisted Handover



ECODE DEMO - machine learning-based control functionality

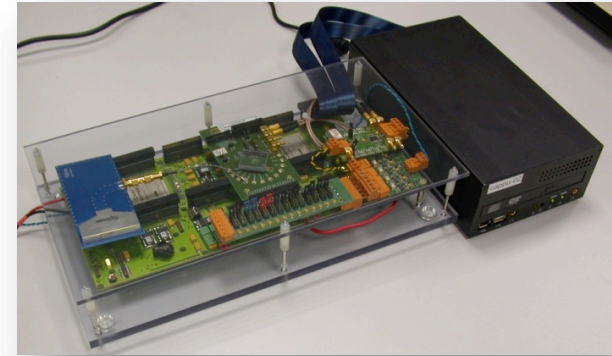
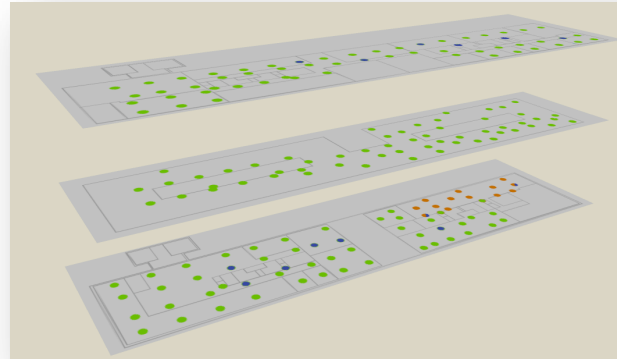
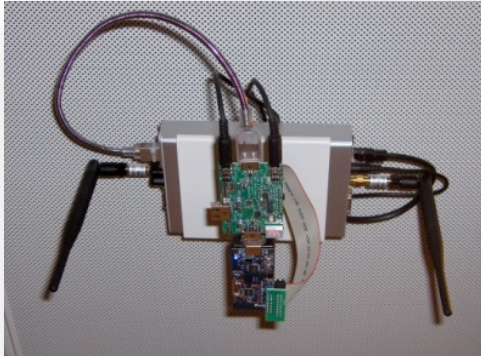
1. Demo of machine learning to enhance capabilities of Link State routing protocols such as Open-Shortest Path First (OSPF).
2. Demo of a tool that
 - i) automates the configuration of the networking experiments through a Graphical User Interface (GUI) that communicates with the iLab.t facility,
 - ii) automates the collection of measurements,
 - iii) allows to visualize the experimental results as the experiment as it progresses.

What does OneLab offer ?

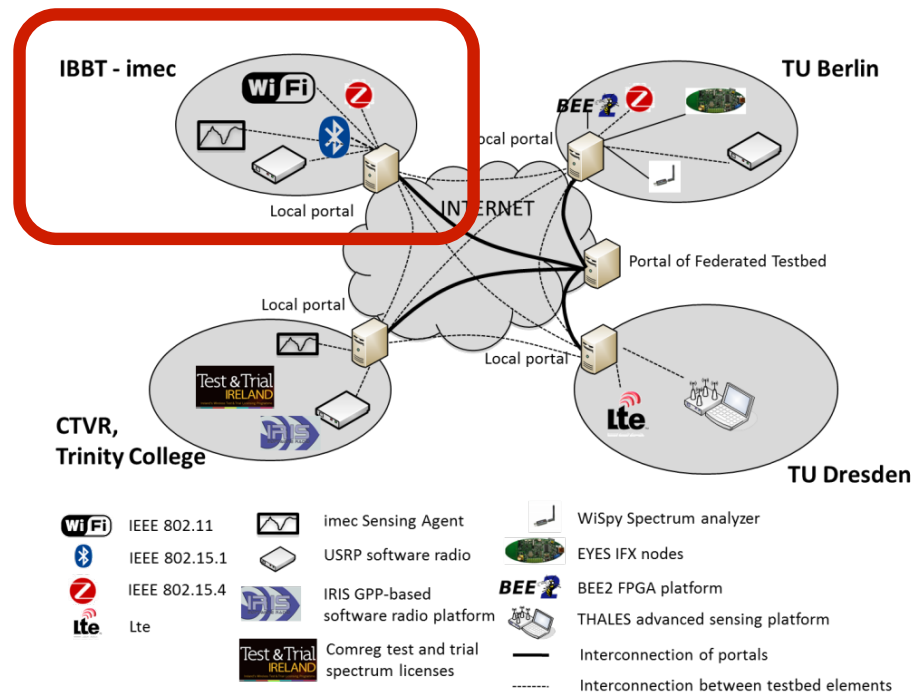
- For testbed users: testbed access
 - PlanetLab Europe testbed
(Demonstration by Timur Friedman of UPMC)
 - NITOS wireless testbed
(Demonstration by Thanasis Korakis of CERTH)
 - ETOMIC measurement infrastructure
(Demonstration by Javier Aracil of UAM)
- For platform builders: testbed components
 - Free T-REX tools portal
(Demonstration by Tanja Zseby of Fraunhofer FOKUS)
- For testbed owners: testbed federation
 - See the federation brochure for details, or visit onelab.eu/federation



www.CREW-project.eu



DEMO: heterogeneous ISM testbed + advanced spectrum sensing



5 – Service Wave
Demo session –
15/12 2010



First wave of FIRE Open Calls

- BonFIRE - TEFIS - OFELIA

Info day 9 February 2011 Brussels

- Introductions by
CREW - SmartSantander

See: www.ict-fire.eu