



**Developing and operating
testbeds for the Future
Internet**

OneLab's offers:

For testbed
users

- **Testbed access**
Carry out your networking experiments on OneLab's federation of testbeds

For platform
builders

- **Testbed components**
Build your own network-based platforms and testbeds using OneLab's specialised building blocks

For testbed
owners

- **Testbed federation**
Federate your testbed with the OneLab facility

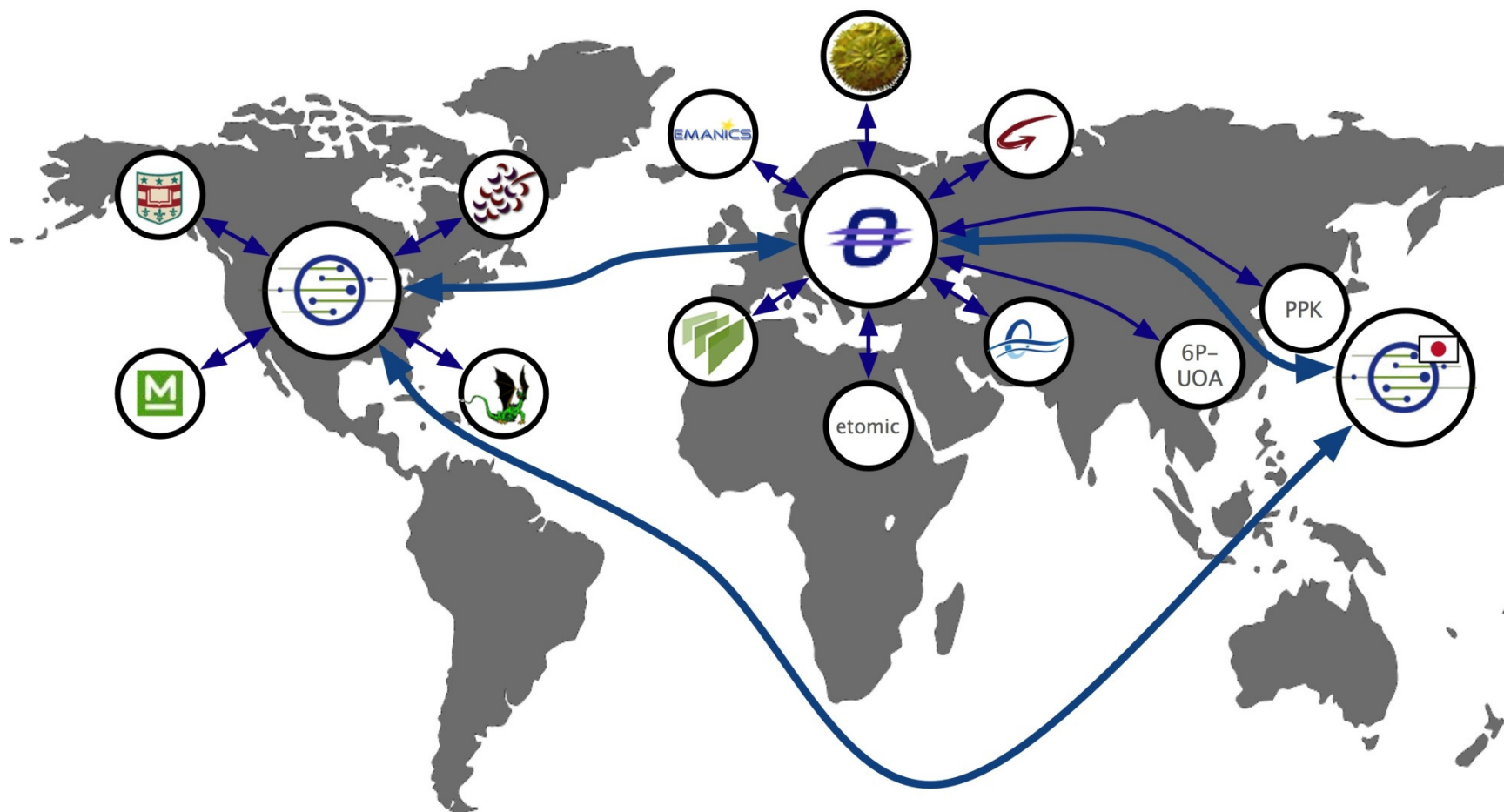
Onelab Experimental Facilities

- Onelab is a federation of testbeds:

Testbed	Experiments supported
PlanetLab Europe	A world-wide platform for Internet developers
NITOS	Wireless experimentation in a real-life environment
ETOMIC	High-precision active measurements, Europe-wide
DIMES	Worldwide distributed topology measurement infrastructure

OneLab testbed federation

OneLab 
FUTURE INTERNET TESTBEDS

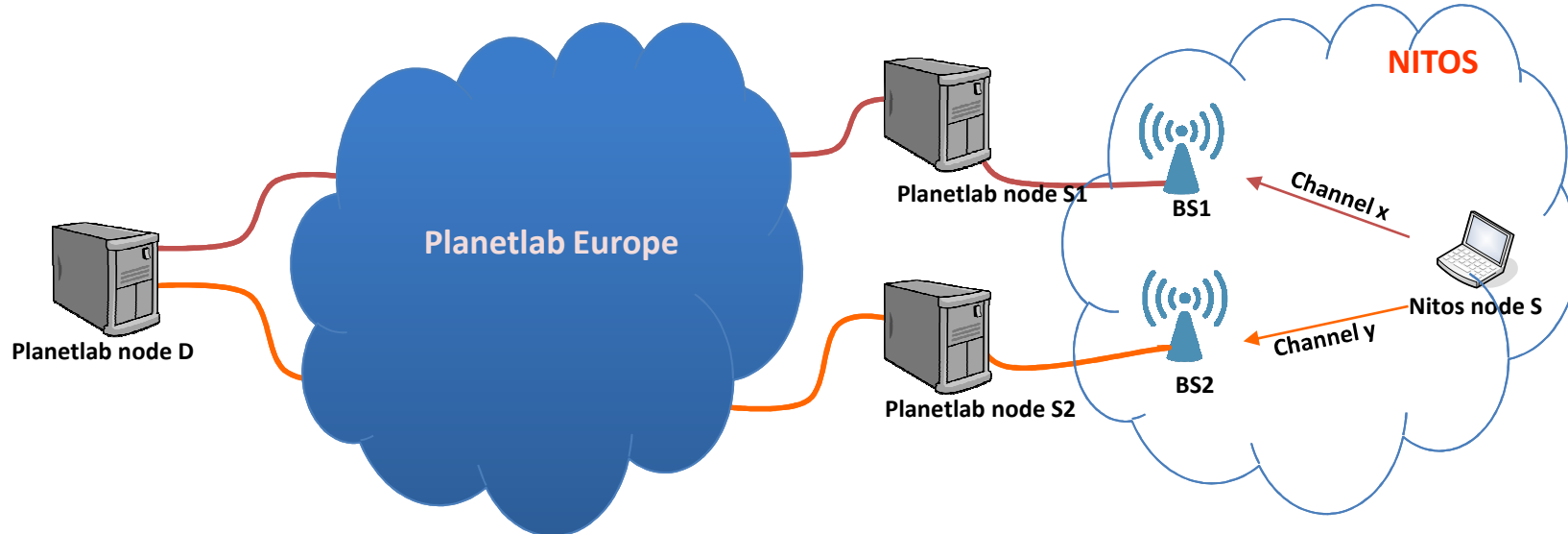


OneLab's worldwide federation of testbeds.

A typical use case scenario

Research challenge:

To setup an experiment where the wireless node associates with the BS that gives the best route to the destination, including the wired and the wireless path



- Involves multiple Onelab testbeds (Planetlab, Nitos, Etomic)
- The user log-in to the different facilities using the same credentials
- The user builds and runs the scenario using a unified managerial framework (OMF, OML)