

ICT SHOK Future Internet WP4 Testbed

**Karri Huhtanen (TUT)
Pekka Savola (CSC)**



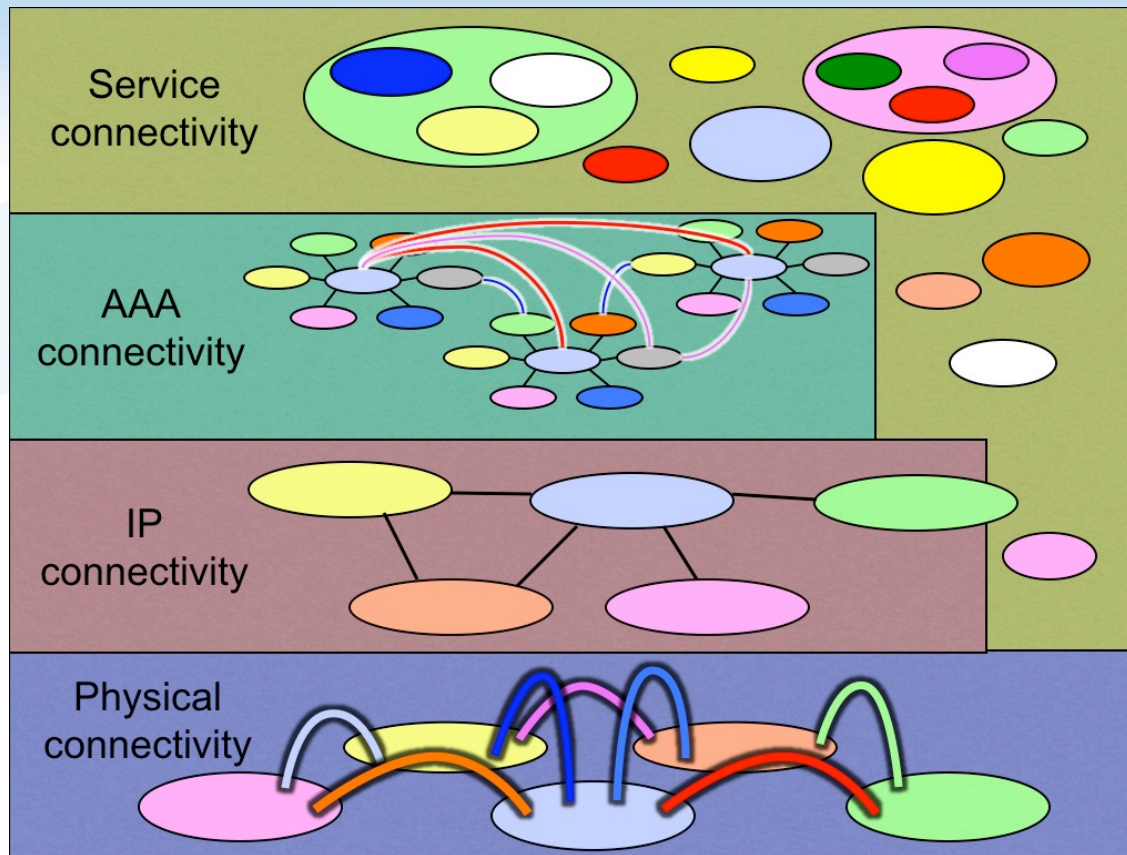
WP4 Testbed

- **Our goal:**
 - To bring together services, networks and technologies for researchers and programme participants to utilise
- **Participants:**
 - CSC -- IT Center for Science (1.5MY)
 - Tampere University of Technology (1.0MY)
 - Helsinki University of Technology + HIIT(1.5MY)
- **For more information:**
 - WP4 Wiki pages
 - WP4 Newsletters (monthly updates on WP4 work)
 - WP4 Deliverables (3 available already in Wiki)
 - <http://www.futureinternet.fi/>



WP4: Connecting Finnish industry and researchers on multiple levels

the testbed architecture



Testbed and platform for developing, combining and testing new ideas and services

Connecting heterogeneous IP access and community networks with AAA

Enhanced connectivity to test and research networks

Dark fiber / lightpath networks with larger coverage and easier access

<http://www.futureinternet.fi/publications/ict-shok-fi-testbed-architecture-2009-12-23.pdf>



Break-through targets

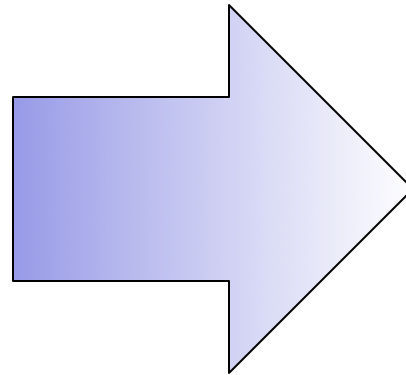
1. Testbed and some set of services continue to exist after the programme
2. Several city-wide or campus-wide networks are connected to the testbed
3. Programme partners enable service(s) in various different locations
4. Non-programme partner(s) also utilize the testbed
5. Several published research papers utilize and acknowledge the testbed
6. Several partners accept testbed as a service showcase and test environment
7. New partner breakthroughs are made by utilising testbed, its services or combining them in innovative ways



And how we are going achieve them...
Key Research Goals



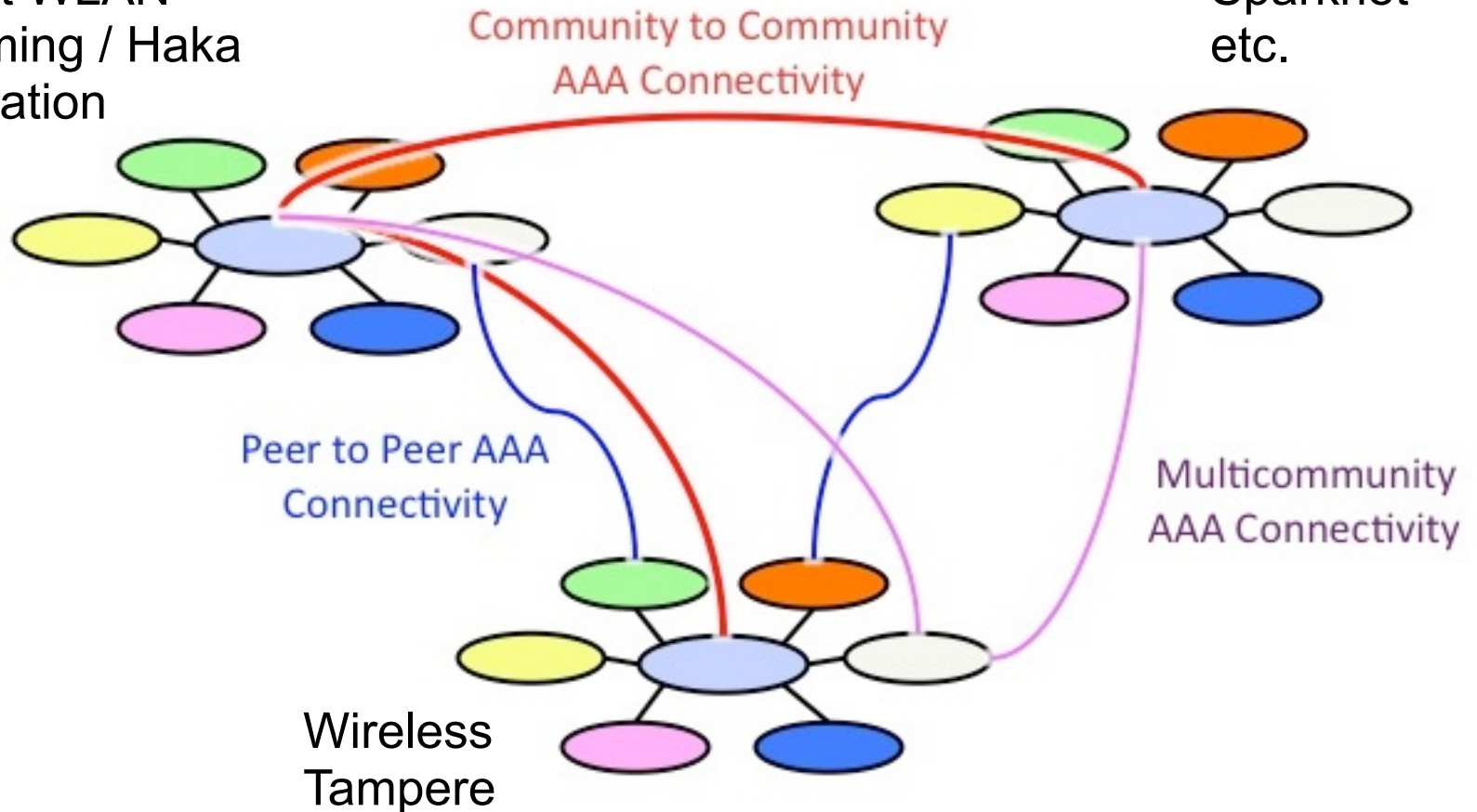
Expanding physical connectivity, enhancing reliability



Connecting communities (and industry?)

Funet WLAN
Roaming / Haka
federation

Sparknet
etc.



And the Grand Plan is ...



You will be doing some of the work...

- ... by commenting, commending, complaining and even editing and revising the testbed architecture available already now in ICT SHOK wiki ...
- ... by utilising the testbed services already available and giving feedback about them
- ... by bringing and deploying your research services and applications utilising the testbed services for both network and promotion purposes ...
- ... by combining your and/or testbed services and ideas to new innovations ...
- ... by connecting your services and networks together with other participants' services and networks ...
- and doing perhaps something completely unexpected.



The ICT SHOK Future Internet Testbed

Is a cooperative open test environment developed for:

- ICT SHOK Future Internet programme participants

BUT

- open also for companies, organisations, programmes and other testbeds for cooperation and doing joint research on Internet services and technologies.
- CSC, TUT, HUT, Trex are all willing to cooperate also outside ICT SHOK Future Internet programme with their services.

