

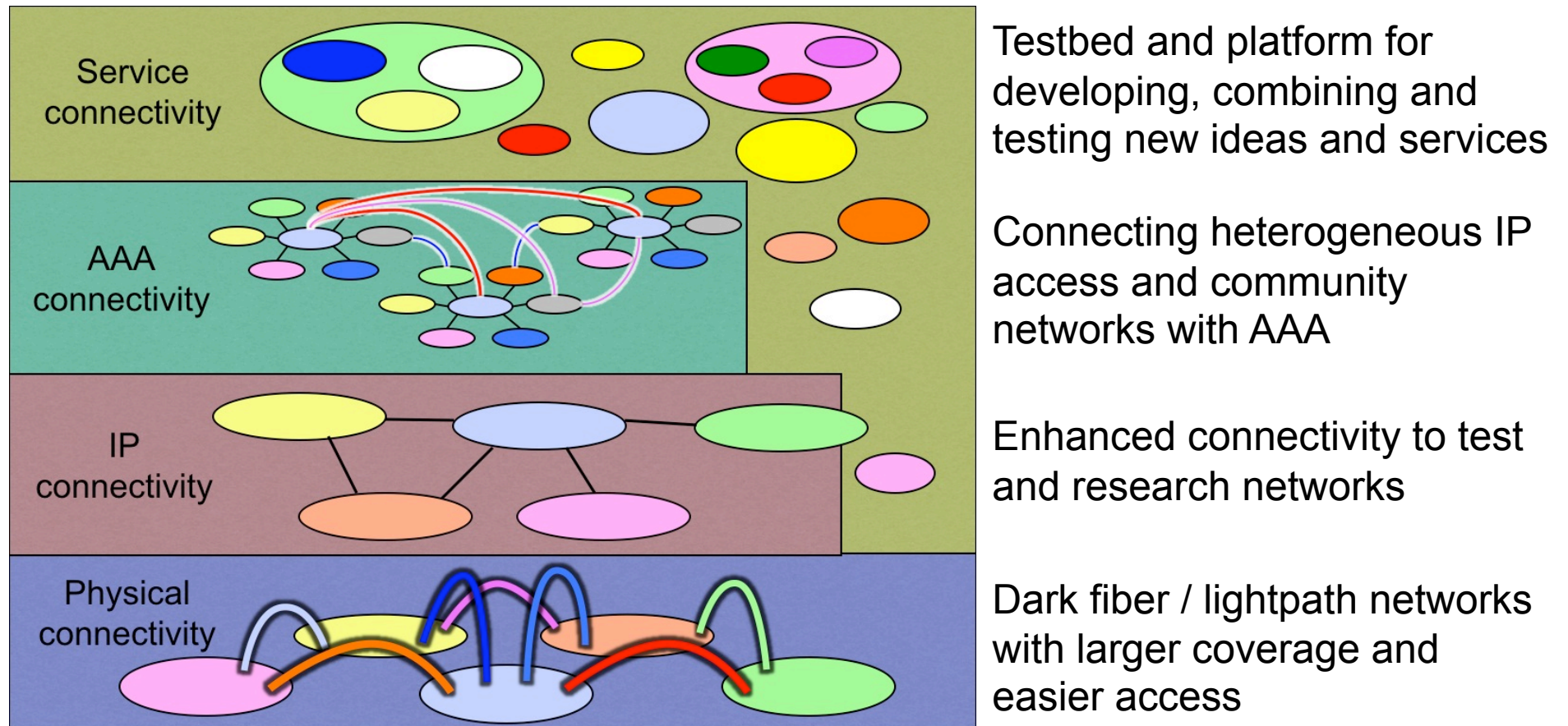
PurpleNet – OpenVPN Management Solution

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WP4: Connecting Finnish industry and researchers on multiple levels

the testbed architecture

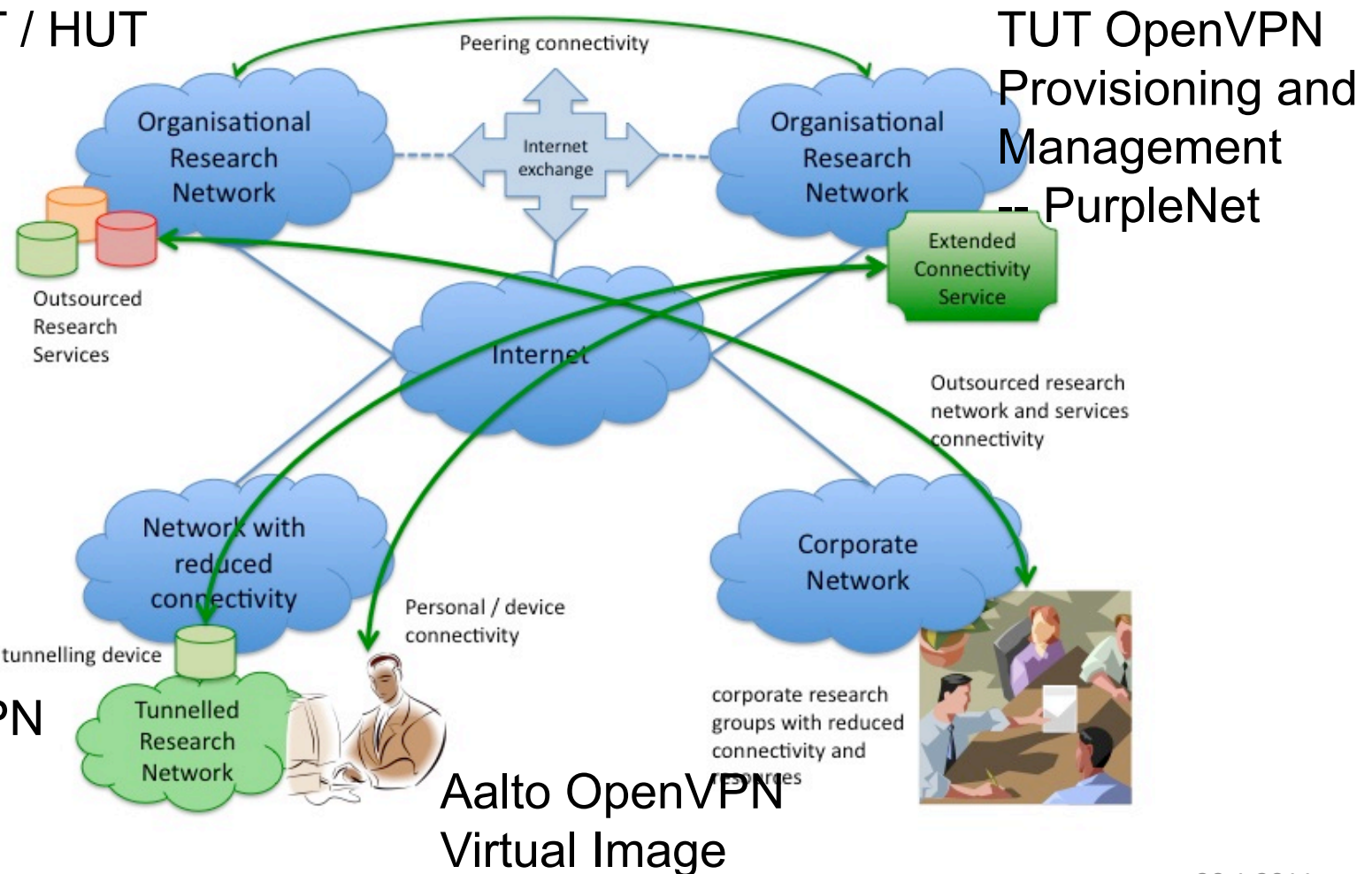


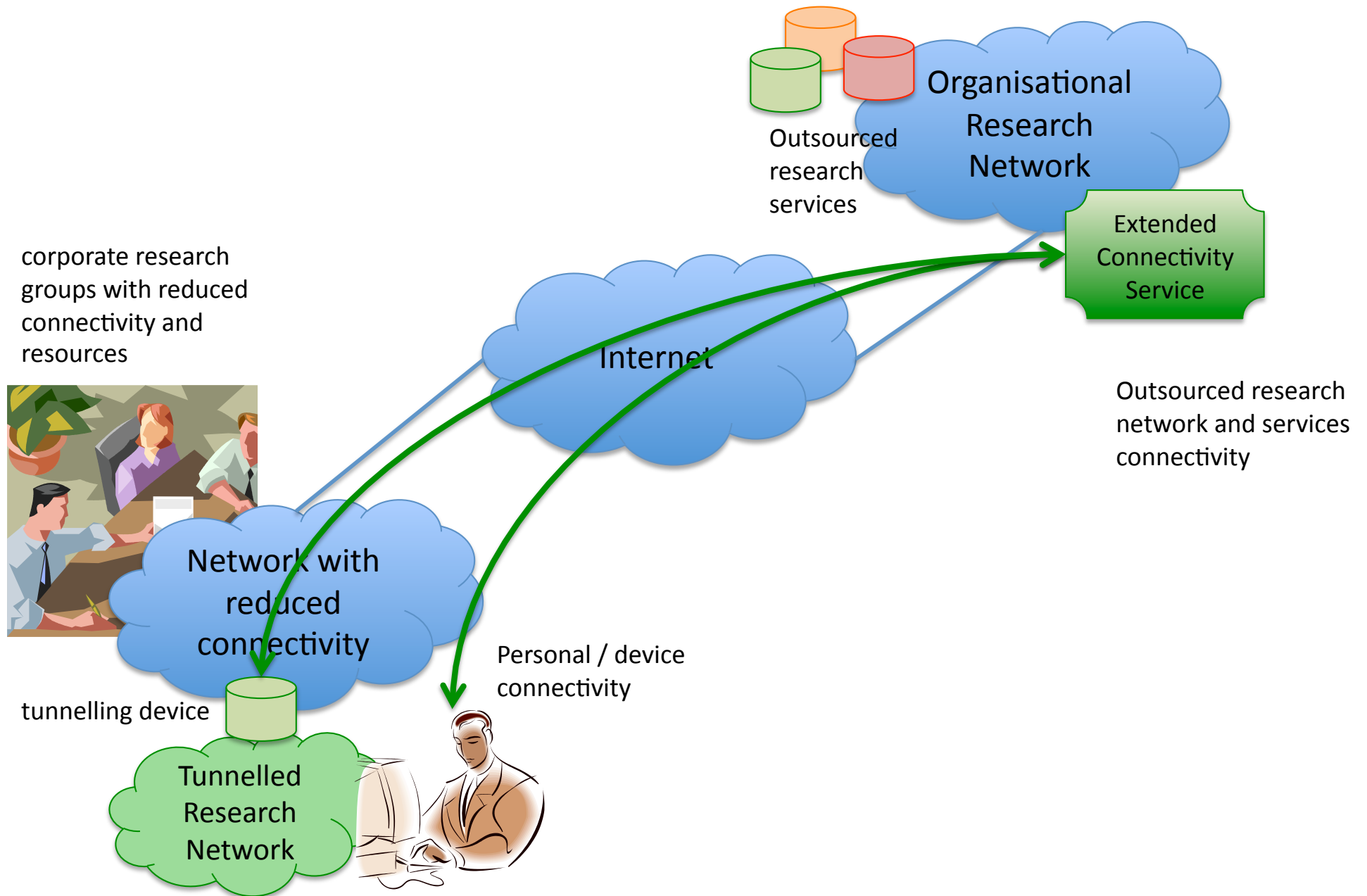
<http://www.futureinternet.fi/publications/ict-shok-future-internet-testbed-architecture-v20-web-version.pdf>

30.1.2011

The Connectivity Enhancement Solution (OpenVPN)

TUT / HIIT / HUT
Research
Networks





The connectivity enhancement solution (OpenVPN)

TUT OpenVPN provisioning and management software -- PurpleNet

Open source OpenVPN client software

Enhanced connectivity for individual terminals and users through SSL/TLS VPN

Multiple NAT / stateful firewall traversal

Multiple free implementations available: Windows, Linux, Mac OS X, UNIX, Maemo etc.

Aalto OpenVPN Virtual Image

Production network friendly access to the research network services

Ready to use virtual machine and OpenVPN software for researcher's desktop computer

Live CD version available from Aalto

HIIT/HU OpenVPN appliance

Connecting network segments transparently to the research network

Extending research network services over 3rd party networks

Ready to use OpenVPN bridge / router device

Available first from HIIT on request, later also from other partners

PurpleNet

- Provides a basis for end client and tunnelling server configuration, certificate management and provisioning service
- Makes it possible for organisations to provide configure and manage their connectivity and tunnelling services in a scalable fashion
- Integrates with other Connectivity Enhancement Solution components

PurpleNet

TUT OpenVPN provisioning and management software

- Developed at Tampere University of Technology, Department of Communications Engineering for ICT SHOK Future Internet Testbed
- a GPL2/GPL3 licensed open source solution for managing OpenVPN server configurations and provisioning client configurations and X.509 certificates for users and devices
- Features (v0.7.2):
 - Management of the PKI (creating the CA hierarchy, granting/revoking/managing certificates)
 - Config generation with template support for OpenVPN clients and servers
 - Shibboleth or any Apache authentication module integration (login via Shibboleth, mapping of Shibboleth properties to user/network groups)

For more information...

- See deliverable 4.2.4 Terminal Connectivity Solution at:

<http://www.futureinternet.fi/publications/ict-shok-future-internet-testbed-architecture-v20-web-version.pdf>

- Or join the PurpleNet development by downloading and testing the software at:

<http://purplenet.sourceforge.net/>