GÉANT eduVPN
Service Introduction

www.geant.org

Agenda

- what is eduVPN
- overview interest NRENs (GEANT project work)
- technical ins/outs (presentation Francois)
- Demo
- Future work/roadmap

eduVPN

Safe and trusted

Securing access for remote staff and students

Why do we need eduVPN?

Working away from the office is the norm - Hotels, Cafes, Airports and Train Stations are the new offices

“How can I get Wi-Fi?” is often the first question when attending meetings outside the office

BUT Not all Wi-Fi is born equal….

- While eduroam is a secure environment with authenticated access and local encryption many public Wi-Fi services are not
- Unsecured hotspots
- Shared access passwords
- “Free” Wi-Fi with web login screens

Are our users (and their data) safe?

The Risks of public Wi-Fi

For Users

Unprotected Wi-Fi can expose usernames and passwords

Content filtering on public Wi-Fi may deny access to sites

Possibility of malware injection

Unknown and untrusted proxies could redirect users to fraudulent sites

For IT Support

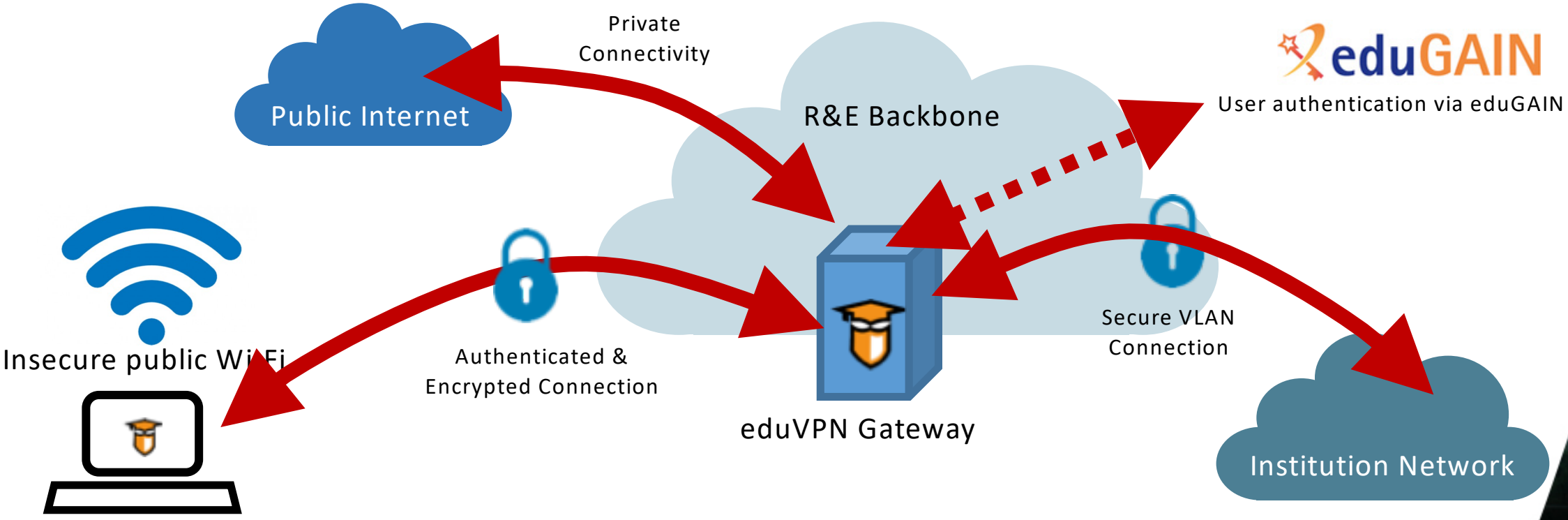
Managed devices can insecurely connect to unknown networks

Risk of data loss

Ad-hoc, unmanaged VPN solutions may proliferate

eduVPN - securing access for remote users

eduVPN provides easy-to-use client software and a secure gateway to authenticate users and encrypt data.



eduVPN – helping to secure users and their data when online

PLUG AND PLAY

Users

Easy-to-use – no technical skills required for client installation.

Campus IT

No on-site HW or software required

PRIVACY BY DESIGN

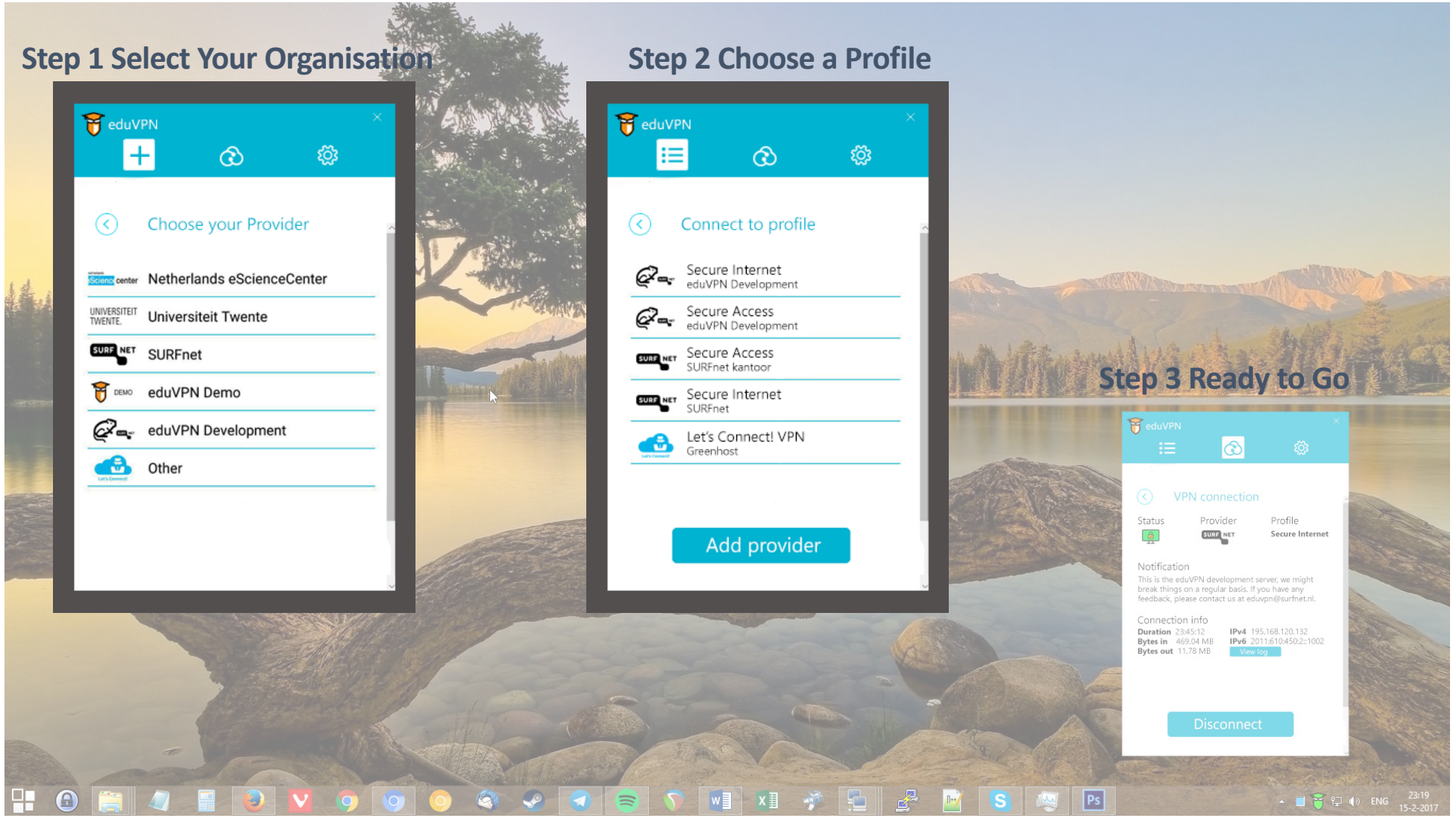
Based on open standards and designed for authenticated private access. and secure browsing

SECURE BY DEFAULT

Enhances privacy of public Internet access

Provides end-to-end protection for remote staff and students

Three Steps to Safety



How will it be implemented?

Option 1 Per NREN implementation

Each participating NREN offers a gateway to their participating institutions

GÉANT Project co-ordinates development and standards

Option 2 GÉANT implementation

GÉANT offers a series of gateways for participating NRENs

GÉANT Project co-ordinates development and standards

Future steps

- Service Positioning GEANT
- Full iOS app development
- Wireguard support
- New apps -> easy to use for non-tech users
- Continue support community
- Continue eduVPN pilots

eduVPN – Next Steps

The eduVPN project is looking for additional partner NRENs to work on the next phase

SIDN fonds

DeiC
DANISH eINFRASTRUCTURE COOPERATION

nlnet

SURF NET

NORDUnet
Nordic Gateway for Research & Education

GÉANT

aarnet
Australia's Academic and Research Network

https://www.eduvpn.org

vietsch foundation

THE COMMONS CONSERVANCY

GÉANT

Contact

How to deploy an eduVPN server?
https://eduvpn.org/2018/06/13/how-to-deploy-eduvpn/

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