

# Campus Best Practice in Practice

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*e-Infrastructure Summer Workshops*

*Sofia*

*June 19th 2014*

- Campus Best Practices is a task in the Géant project
- Key objectives
  - Write best practice documents in collaboration groups
  - Organise workshops and training events
  - Disseminate best practices and best practice documents



# NA3 T2 partners



- AMRES
- BREN
- CEENET
- CESNET
- CSC/Funet
- FCT-FCCN
- MARNET
- MREN
- RENATER
- TERENA
- UNINETT





How are they produced?

- Facilitated in working groups
- Active participation and support from NREN

How are they approved?

- Rough consensus in working groups
- Hearing period
- Approved by IT directors

## Areas of focus



Physical  
Infrastructure



Campus  
Networking



Real-time  
communications



Network  
Monitoring



Wireless



Security

**Radio planning**

**Design**

**Security  
considerations**

**eduroam**

**RADIUS**

**Controllers**

**Legal aspects**



- Settings
  - [New Account](#)
  - [Options](#)
- Working Groups
  - Applications
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  - Ops & Mgmt
  - RAI
  - Routing
  - Security
  - Transport
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## The eduroam architecture for network roaming draft-wierenga-ietf-eduroam-03

Document | IESG Evaluation Record | IESG Writeups | History

Document type:	Active Internet-Draft (individual)
Document stream:	No stream defined
Last updated:	2014-02-14
Intended RFC status:	Unknown
Other versions:	<a href="#">plain text</a> , <a href="#">xml</a> , <a href="#">pdf</a> , <a href="#">html</a>
Stream State:	No stream defined
Document shepherd:	No shepherd assigned
<a href="#">IESG State:</a>	I-D Exists
Responsible AD:	(None)
Send notices to:	No addresses provided

[Email Authors](#) | [IPR Disclosures](#) | [References](#) | [Referenced By](#) | [Check nits](#) | [History feed](#) | [Search Mailing Lists](#)

Network Working Group  
Internet-Draft  
Intended status: Informational  
Expires: August 18, 2014

K. Wierenga  
Cisco Systems  
S. Winter  
RESTENA  
T. Welniewicz  
Nicolaus Copernicus University  
February 14, 2014

The eduroam architecture for network roaming  
draft-wierenga-ietf-eduroam-03.txt

### Abstract

This document describes the architecture of the eduroam service for federated (wireless) network access in academia. The combination of IEEE 802.1X, EAP and RADIUS that is used in eduroam provides a secure, scalable and deployable service for roaming network access. The successful deployment of eduroam over the last decade in the educational sector may serve as an example for other sectors, hence this document. In particular the initial architectural and standards choices and the changes that were prompted by operational experience are highlighted.

### Status of This Memo

[https://datatracker.ietf.org/  
doc/draft-wierenga-ietf-eduroam/](https://datatracker.ietf.org/doc/draft-wierenga-ietf-eduroam/)

# New BPDs coming out soon



- AMRES
  - Linux Server Security
- CESNET
  - Virtualisation of Network Devices
- CSC/Funet
  - Guidelines for Deploying DNSSEC
- RENATER
  - Deployment of Services on IPv6
  - Virtual Switching
  - Improving DNS Reliability and Security
  - Reference Data and Large-Scale Network Management Automation

# Report of the GN3plus CBP Y1 activities



## Deliverable D3.2 (DN3.2.1)

Contractual Date:	31-03-2014
Actual Date:	22-05-2014
Grant Agreement No.:	605243
Activity:	NA3
Task Item:	Task 2
Nature of Deliverable:	R (Report)
Dissemination Level:	PU (Public)
Lead Partner:	CSC
Document Code:	GN3PLUS14-1254-8
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The research leading to these results has received funding from the European Community's Seventh Framework Programme (FP7 2007–2013) under Grant Agreement No. 605243 (GN3plus).

## Abstract

Campus Best Practice is the name of one of the Tasks (Task 2) in Networking Activity 3, Status and Trends (NA3), of the GN3plus project. The overall objective of the Task is to address the key challenges for European campus networks, organise working groups and provide an evolving and to-the-point set of best practice documents for the community. The current GN3plus deliverable reports on the work carried out in the Task during the first year of the GN3plus project (April 2013 – March 2014) and the results of that work.

[http://www.geant.net/Resources/Media\\_Library/Documents/D3-2\\_DN3-2-1\\_Annual-Report-on-Campus-Best-Practice.pdf](http://www.geant.net/Resources/Media_Library/Documents/D3-2_DN3-2-1_Annual-Report-on-Campus-Best-Practice.pdf)



# Updated website



The screenshot shows the homepage of the Campus Best Practice website. At the top left is the CBP logo (a green square with a white graduation cap and the letters "CBP") and the text "Campus Best Practice PART OF THE GÉANT SERVICES PORTFOLIO". To the right are links for "CONTACT US", "SITEMAP", "COOKIE POLICY", and "GÉANT GATEWAY", along with a search bar. Below this is a navigation menu with "ABOUT", "NRENS", "CAMPUS NETWORKS", "KNOWLEDGE BASE", "LEARNING & SUPPORT", and "NEWS & MEDIA". The main content area features three large colored boxes: a blue box titled "Creating Communities" with a sub-headline "Learn how CBP helps European campus networks address their network challenges." and a right-pointing arrow; an orange box titled "Building Working Groups"; and a purple box titled "Visit the Knowledge Base". Below these boxes is a paragraph of text: "Campus Best Practice is a part of the GÉANT project funded by the European Union. Campus Best Practice (CBP) aims to address key challenges for European campus networks. The CBP Team does this by organising working groups and providing an evolving and to-the-point set of best practice documents (BPDs) for the community." To the right of this paragraph is another paragraph: "Campus Best Practice is a collaborative effort between nine NRENS across the GÉANT community as well as experts from across the organisation. The aim is to help share information throughout GÉANT to help NRENS and Campuses meet the challenges of technology, security and management of the latest hardware, software and services." The page footer includes the date "Tuesday 17 Jun 2014 | Time - 16 46".

<http://services.geant.net/cbp/>

1. Vidar Faltinsen, Gunnar Bøe and Olaf Schjelderup, (UNINETT), GÉANT Campus Best Practices:

<http://www.terena.org/activities/campus-bp/pdf/geant-campus-best-practices.pdf>

2. Mara Bukvic, AMRES' Experience with Implementing the "Campus Best Practices" Model:

[http://www.terena.org/activities/campus-bp/pdf/amres\\_experience\\_with\\_cbp.pdf](http://www.terena.org/activities/campus-bp/pdf/amres_experience_with_cbp.pdf)

## ❑ Campus Best Practice websites:

- <http://www.geant.net/Network/Campus-Best-Practice/Pages/Best-Practice-Documents.aspx>
- <http://services.geant.net/cbp/>
- <http://www.terena.org/campus-bp/>
- Reports and BPDs

## ❑ Get in touch: [gn3campus@uninett.no](mailto:gn3campus@uninett.no)

## ❑ Follow the BPD announcements:

- [campus-bp-announcements@terena.org](mailto:campus-bp-announcements@terena.org)



Thank you!