



# eduroam SA update & beyond GN2

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# eduroam service

- Technology infrastructure:
  - **TLRSs**, FLRSs, IdPs and SP RADIUS servers, network access elements (APs/switches)
- Supporting infrastructure:
  - monitoring and diagnostics, eduroam database, eduroam web site, TTS, mailing lists



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# Technology infrastructure

- ETLRS1 & ETLRS2 – no operational problems
- few configuration change requests
- international peering (.ca, APAN, ...)
- RadSec introduced (although not widespread)
- “mixing with others”
- supplicant SW (Secure W2 vs. OpenSEA)
- traffic measurement: authN count; ... CSI, ... CUI, ...



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# Policy

- 34 NROs/NRENs
- .ad is a new member
- 31 signed
- 1 LoI (UK)
- 1 cannot sign at the moment (CY)
- ? Malta
- in addition JSCC (Russia) signed but is not connected



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# Web site

- [www.eduroam.org](http://www.eduroam.org)
- ongoing work
  - cookbook on the Web
  - training materials
  - incorporate monitoring, public data from the database
  - internal website for SA5 (wiki?)
  - ...

# Monitoring



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- [monitor.eduroam.org](http://monitor.eduroam.org)  
([http://monitor.eduroam.org/genpng/realm\\_usr.png](http://monitor.eduroam.org/genpng/realm_usr.png))
  - ☑ monitoring servers
  - ☑ monitoring infrastructure
    - testing on demand to be finalised (access via web)
    - RadSec monitoring – to be established
    - IPv6 – to be established





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# Database

- specification:
  - [current version](#) (17.04.2008.)
- status: [monitor.eduroam.org/database](http://monitor.eduroam.org/database)
  - still not fully filled (14 countries with partial data, 254 institutions (SP&IdP), 394 SP locations)
- map tool: generates maps based on database content (policy, web site, monitoring, database status, ...)
- European eduroam map: <http://monitor.eduroam.org/gmap.php>
  - 346 spots (11 countries)



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# TTS (OTRS)

- eduGAIN enabled service
- <https://monitor.eduroam.org/otrs/customer.pl>
- in production since September 2008  
(but not widely used)





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# Training efforts

- together with NA8
- TtT – for SP admins (local-inst. admins)
- “eduroam feedback form”
- two successful events
  - Amsterdam (11-12 June 2008)
  - Zagreb (29-30 September 2008)
- e-learning effort / video material



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# future plans (in GEANT3)

- for GN3 (eduroam SA == task in GN3/SA3)
  - Policy ver.2.
    - no revolutionary changes
    - technical & organisational update and refinements (SSIDs, i18n, WEP/WPA, 11b/g/a/n, accounting, ...)
  - enhance supporting elements (monitoring, database, ...)
  - measurement/stats
  - accounting/auditing, black listing?
  - NAC/NEA
  - global aspects
  - provide input to / implement results of GN3/JRA3 ...



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<http://www.eduroam.org>

