

Srečanje članic federacije 2014

8. december 2014, Ljubljana

Novosti v Eduroamu

Rok Papež
Arnes
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<http://aai.arnes.si>

Welcome to eduroam CAT

eduroam Configuration Assistant Tool



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manage your IdP](#)

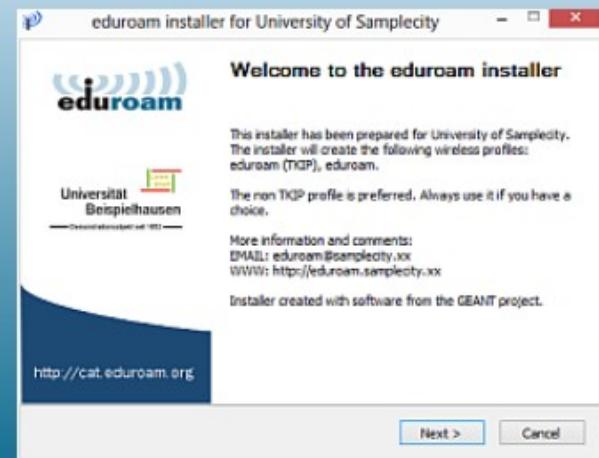
eduroam installation made easy:

MS Windows

8, 7, Vista, XP

Custom built for your home institution

Digitally signed by the organisation that coordinates
eduroam: TERENA



eduroam user:
download your eduroam installer

CAT 1.1

- Odkrivanje naprave / OS
- Prilagojen za mobilne naprave
- SENSE (Android)
- Ožičeni 802.1x
- »Silent« nameščevalnik pod Windows
- Odstranjevanje zagonskih SSIDjev
- HotSpot 2.0 / Passpoint (Novi IOS 7+)
- APIji za vključitev CAT v lastne splente strani

Media Properties

Additional HS20 Consortium OI	001122
Remove/Disable SSID	bootstrap
Additional SSID	eduroam-school
Additional SSID (with WPA/TKIP)	eduroam-oldscool
Configure Wired Ethernet	on

MS Windows XP SP3

MS Windows XP is no longer supported by Microsoft,
therefore it can be unsecure and should not really be used

[Continue](#)



Samodejno odkrivanje

Selected institution: RESTENA Foundation [select another](#)

Select the user group

education.lu Users 0	  	This is the profile for all users of RESTENA who have a mail account @education.lu (and actually a few more mail domains)
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If you encounter problems, then you can obtain direct assistance from your home organisation at:

WWW: <http://www.restena.lu/en/eduroam>
email: helpdesk@restena.lu
tel: +352 424409 1

 Download your eduroam installer
Linux 

[All platforms](#)



ArnesLink

The image displays three windows related to ArnesLink configuration:

- eduroam.si Wireless Network Properties**: A standard Windows-style dialog for setting up a wireless connection. It shows "eduroam.si" as the network name. Under "Security", "Security type" is set to "WPA2-Enterprise" and "Encryption type" to "AES". Below this, it says "Choose a network authentication method:" followed by "ARNES: ArnesLink EAP-TTLS" and a "Settings" button. A checkbox "Remember my credentials for this connection each time I'm logged on" is checked.
- Profil ArnesLink**: A configuration window for ArnesLink profiles. It lists "eduroam.si" as the selected profile. It includes sections for "Overovljanje" (Authentication), "Vaše osebne poverilnice" (Your personal certificates), "Računalnikove poverilnice" (Computer certificates), and "Zunanja identiteta" (External identity). The "Overovljanje" section shows "PAP" and "MSCHAPv2" options, with "MSCHAPv2" selected. The "Nastavi MSCHAPv2" button is visible. The "Vaše osebne poverilnice" section contains fields for "Up. ime@domena:" and "Geslo:". The "Računalnikove poverilnice" section shows "Up. ime@domena: @arnes.si" and "Geslo:". The "Zunanja identiteta" section has three radio button options: "Ista kot notranja identiteta", "Uporabi anonimno zunanjio identitet", and "Uporabi prazno zunanjio identitet (RFC 4822)", with the third option selected.
- Profili ArnesLink**: A smaller window showing a list of profiles. It lists "eduroam.si" and includes buttons for "Nov" (New), "Nastavi" (Configure), and "Odstrani" (Delete). At the bottom are "V redu" and "Prekliči" buttons.

Dnevnik in potek avtentikacije

AL-EAPTLS - Notepad

File Edit Format View Help

```
[908] 17:30:24:208: I EapPeerConfigXml2Blob::  
[908] 17:30:24:208: I EapPeerConfigXml2Blob::Returning (0).  
[3516] 17:30:27:890: I EapPeerGetInfo::  
[3516] 17:30:27:890: I EapPeerGetInfo::Returning (0).  
[3516] 17:30:27:890: I EapPeerInitialize::ArnesLink v1.0-pre12  
[3516] 17:30:27:890: I EapPeerInitialize::Returning (0).  
[3516] 17:30:27:890: I EapPeerGetIdentity::  
[3516] 17:30:27:890: I AL::EAP::GetIdentity::Using connection data provided (profile: eduroam.si)...  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::Path: SOFTWARE\ArnesLink\Methods\Default\Profiles\eduroam.si  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::ProfileID: eduroam.si  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::AltCredsTitle: Vnesite svoj ID uporabnika in geslo za eduroam  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::AltUserIDStr: Up. ime@domena:  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::AltPasswordStr: Geslo:  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::AltRePasswordStr: Geslo (ponovno):  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::OuterIdentityType: 2  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::AlternateOuterIdentity:  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::InnerAuth: PAP  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::VerifyServerCertificate: 1  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::ServerCertificateLocal: 0  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::VerifyMSExtension: 1  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::VerifyServerName: 0  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::ServerName:  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::UseSessionResumption: 0  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::RenewIP: 1  
[3516] 17:30:27:921: I AL::TLS::Profile::ReadCertificates::Path: SOFTWARE\ArnesLink\Methods\Default\Profiles\eduroam.si  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::CompID: @arnes.si  
[3516] 17:30:27:921: I AL::TLS::Profile::Read::Using provided impersonate token...  
[3516] 17:30:27:921: I AL::EAP::GetIdentity::Using PAP...  
[3516] 17:30:27:921: I AL::EAP::GetIdentity::Getting credentials...  
[3516] 17:30:27:921: I _GetCredentials::Authenticating as user...
```

• ArnesLink začenja sejo EAP ...
✓ Strežnikovo potrdilo vsebuje razširitve Server Authentication, kot je zahtevano.
✓ Izdajatelj potrdil (CA) je zaupanja vreden.
• Izvajam notranje overovljjanje ...
✗ Overovljjanje ni uspelo.
• Seja ArnesLink EAP je končana.
• Izvajam zunanje overovljjanje ...
✓ Strežnikovo potrdilo vsebuje razširitve Server Authentication, kot je zahtevano.
✓ Izdajatelj potrdil (CA) je zaupanja vreden.
• Izvajam notranje overovljjanje ...
✗ Overovljjanje ni uspelo.

Kopiraj na Preglejte dnevnik o podrobnostih.



SL Bluetooth Wi-Fi O S 7.12.2014 17:38





Eduroam novosti

- WPA2-AES
- SSID za goste
 - Skripta za menjavo gesel PSK (Lancom, Cisco)
 - <https://aai.arnes.si/eduroam/dodatnoPSK>
- Goste postavitve
- Redundantno postavitev TLD*
 - Nadgradnja TLD (RADIATOR)
- Preverjanje gesla*

Preverjanje gesla

eduroam.si

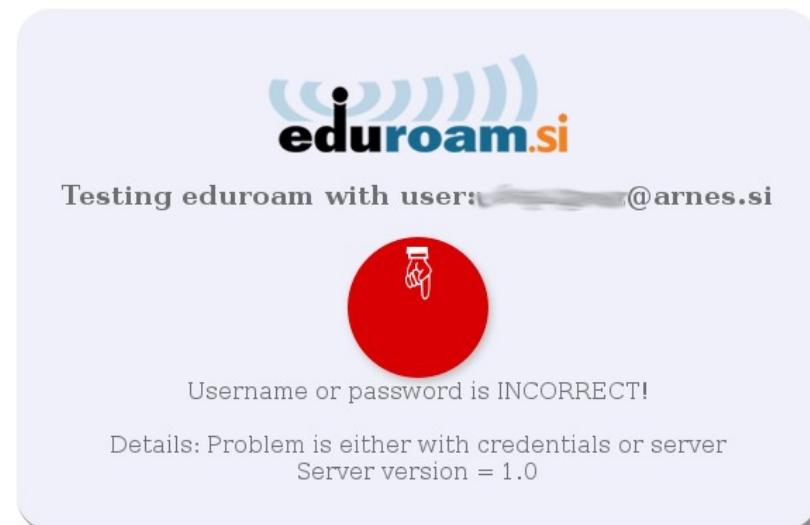
Preverjanje računa (Credentials check):

Uporabniško ime (username): @arnes.si

Geslo (password):

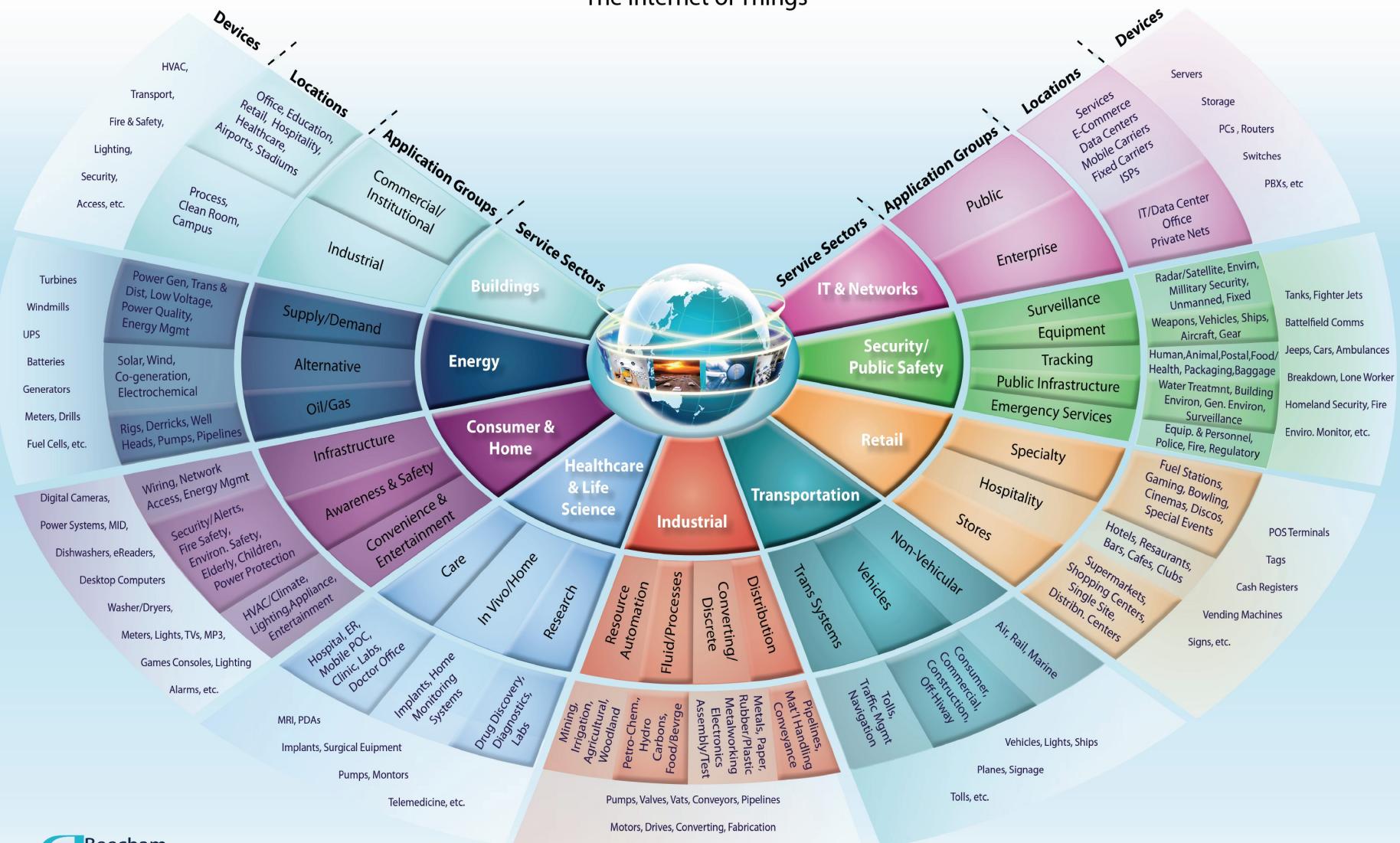
Varnostno vprašanje (security question):
Koliko je Štirinajst plus Dve?
What is Fourteen Plus Two?

Preveri (Test)

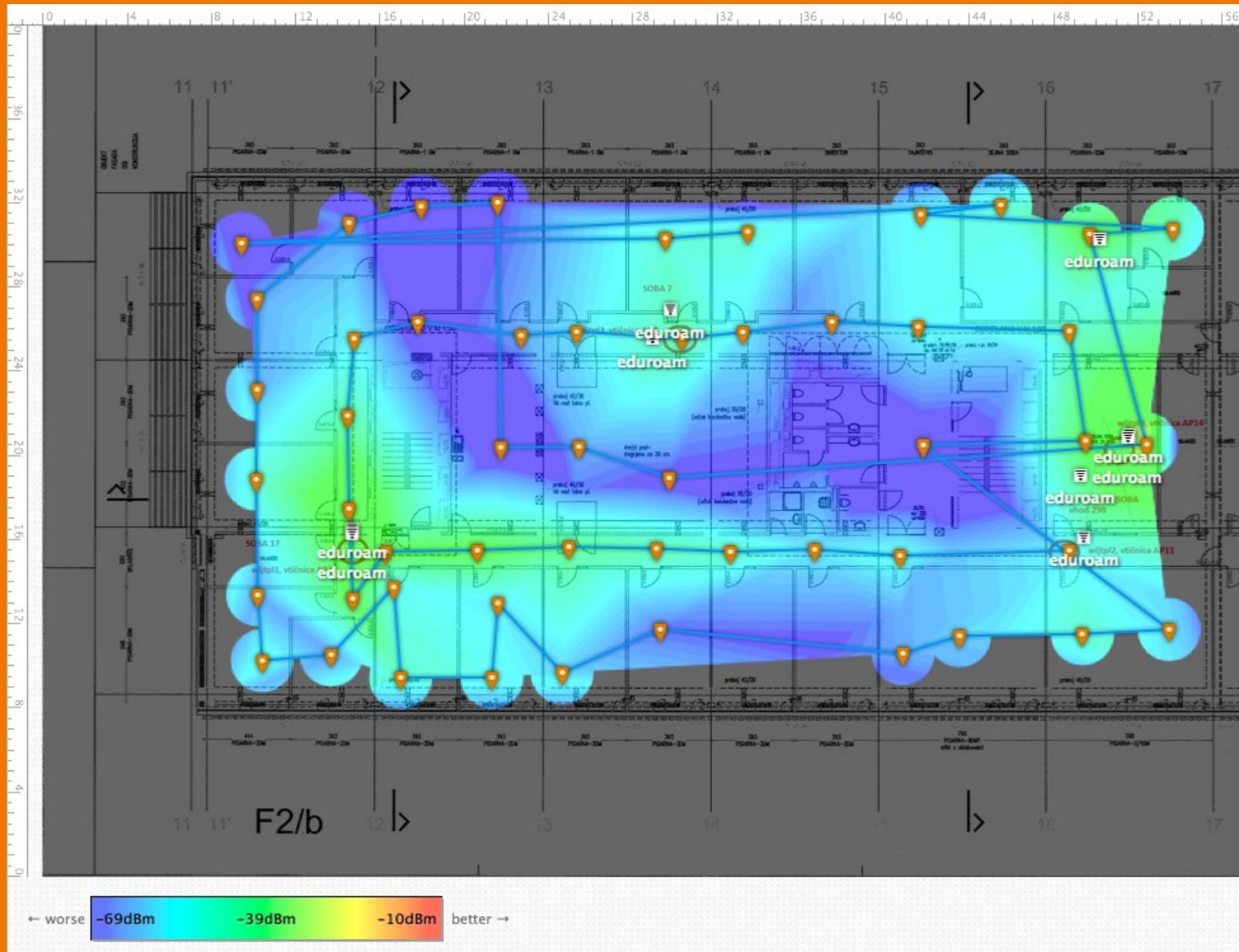


M2M World of Connected Services

The Internet of Things



Največja ali gosta pokritost

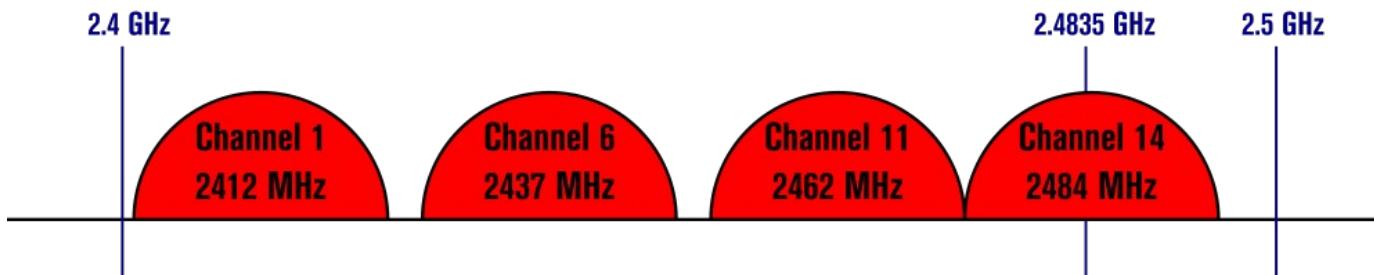


Nasveti

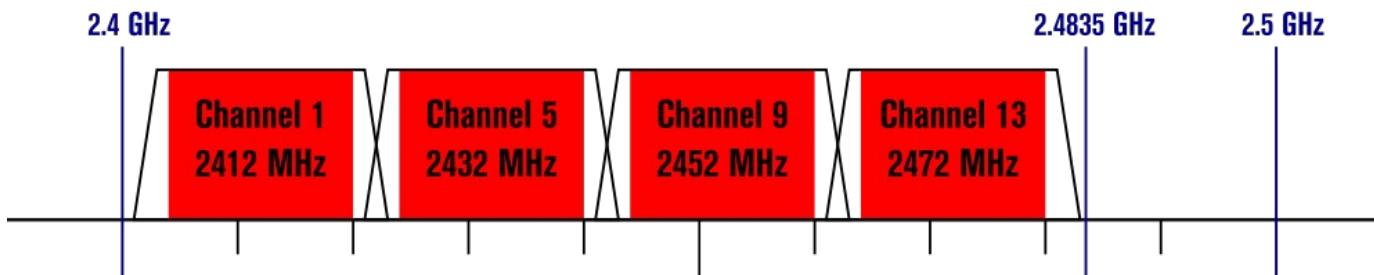
- 2.4GHz Kanali 1,5,9,**13**
- Izklopimo 802.11b, pustimo 802.11g ali celo 802.11n
- AP postavljamo v pisarne/učilnice/knjižnice/avle, ne na hodnike
- Prioriteta
 - Dober signal kjer je potreben
 - Slab signal (ali brez) na hodnikih in prostorih kjer se uporabniki **ne** zadržujejo.
- Predvidoma ni VoIPa na wirelessu
- Filtriranje multicast DNS / Bonjour
 - DST 224.0.0.251/255.255.255.255
 - DST ff02::fb/128

Non-Overlapping Channels for 2.4 GHz WLAN

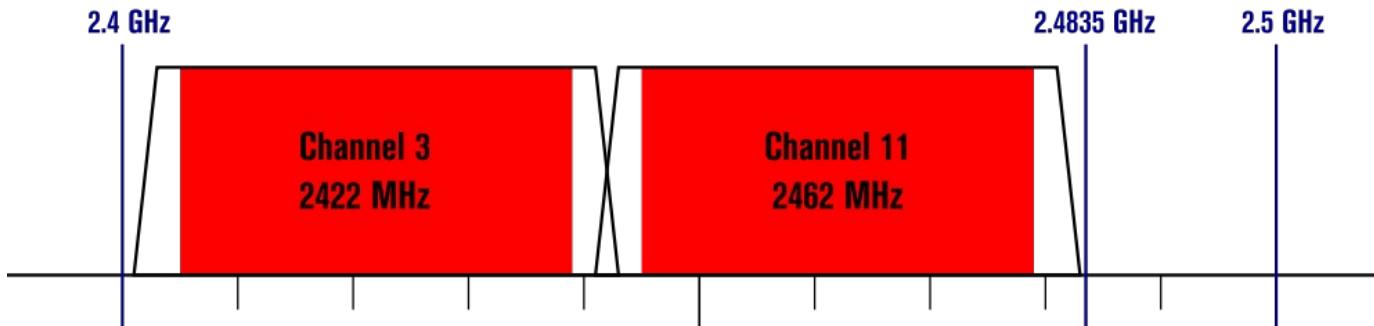
802.11b (DSSS) channel width 22 MHz

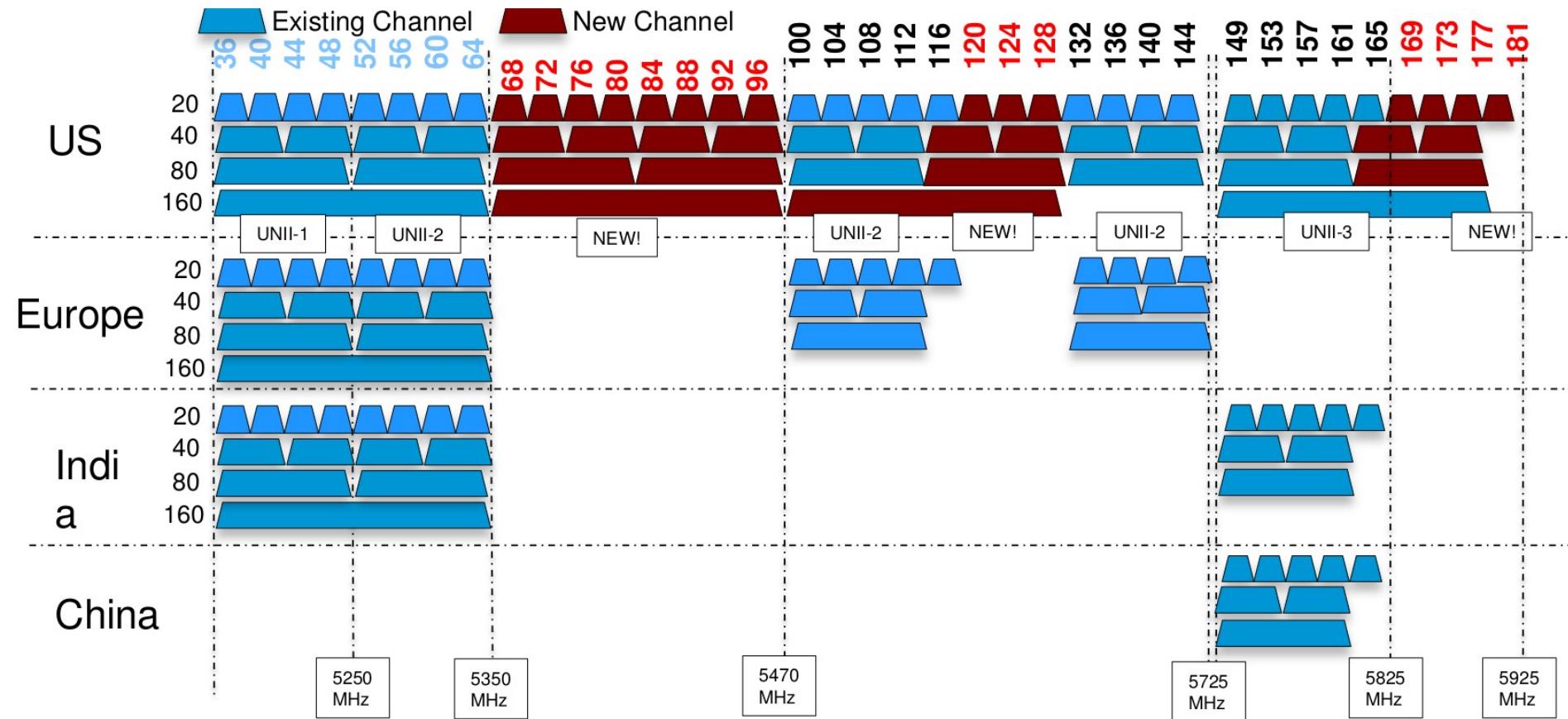


802.11g/n (OFDM) 20 MHz ch. width – 16.25 MHz used by sub-carriers



802.11n (OFDM) 40 MHz ch. width – 33.75 MHz used by sub-carriers





ArnesAAI

aaa-podpora@arnes.si

<http://aai.arnes.si>

