

RENU Metro-eduroam

By

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Overview

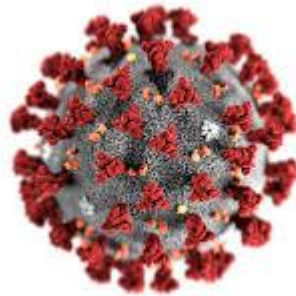
12th February 2021

Outline

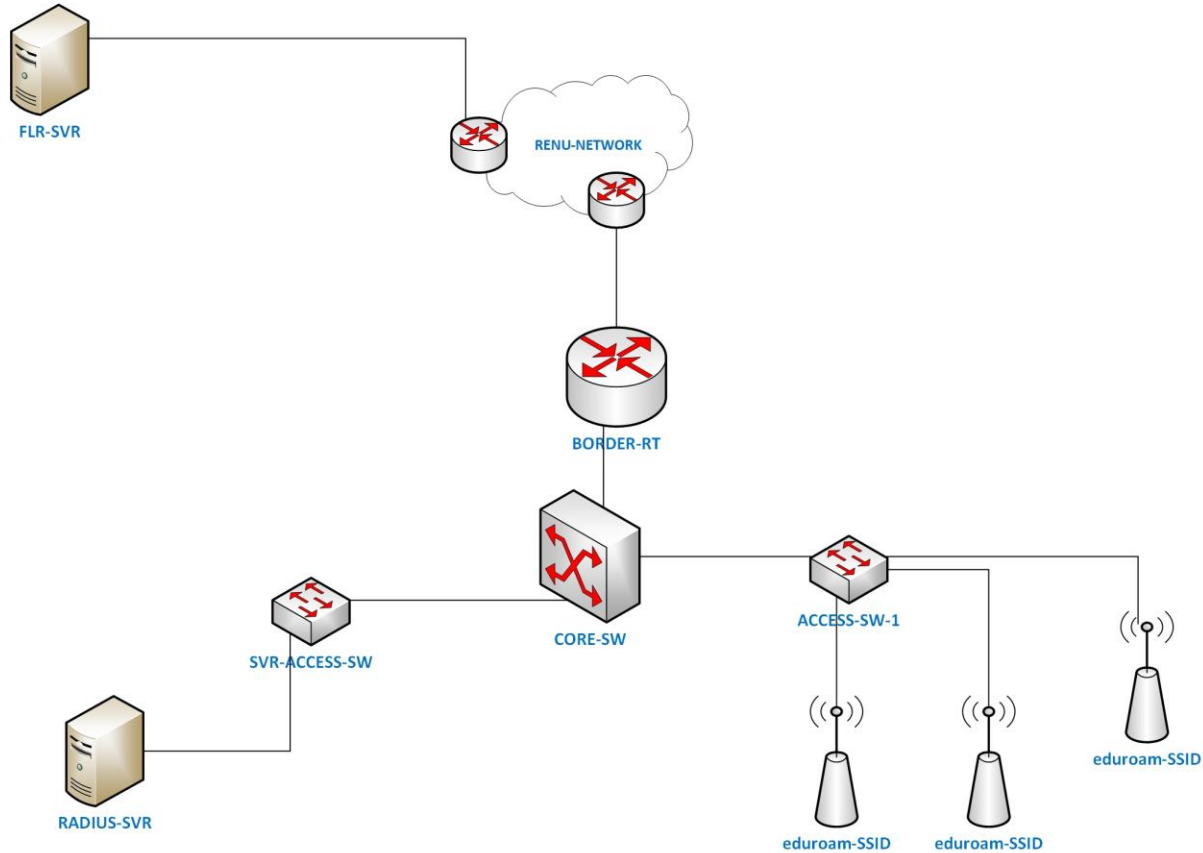
- Why Metro-eduroam
- Metro-eduroam deployment
- Traffic and User profiles
- Benefits, Challenges
- The Future

Why Metro-eduroam

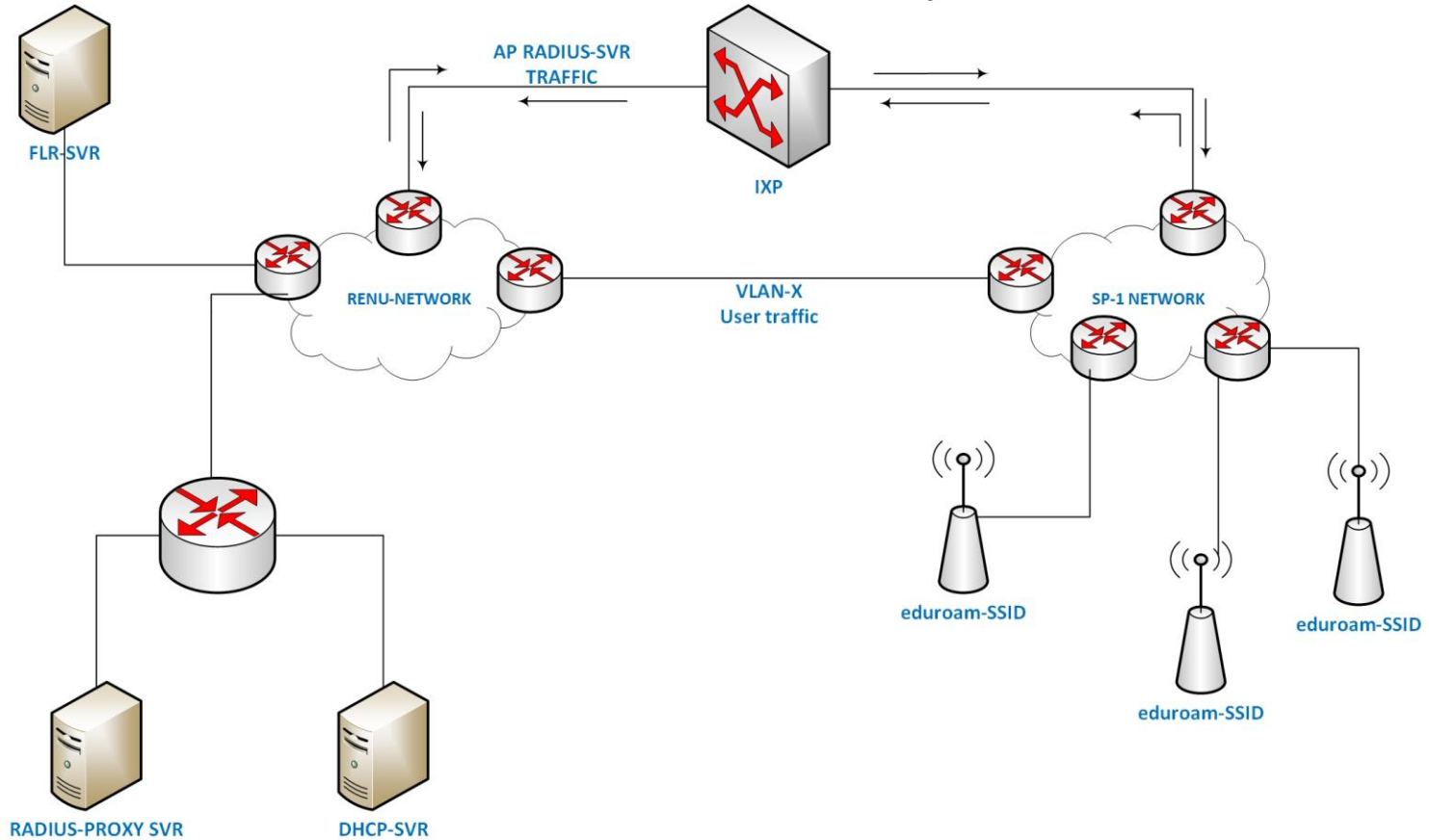
- eduroam locked inside Campus Network / Boundaries.
- Metro-eduroam breaks the boundaries.
- In country lock-down boosted metro-eduroam need.



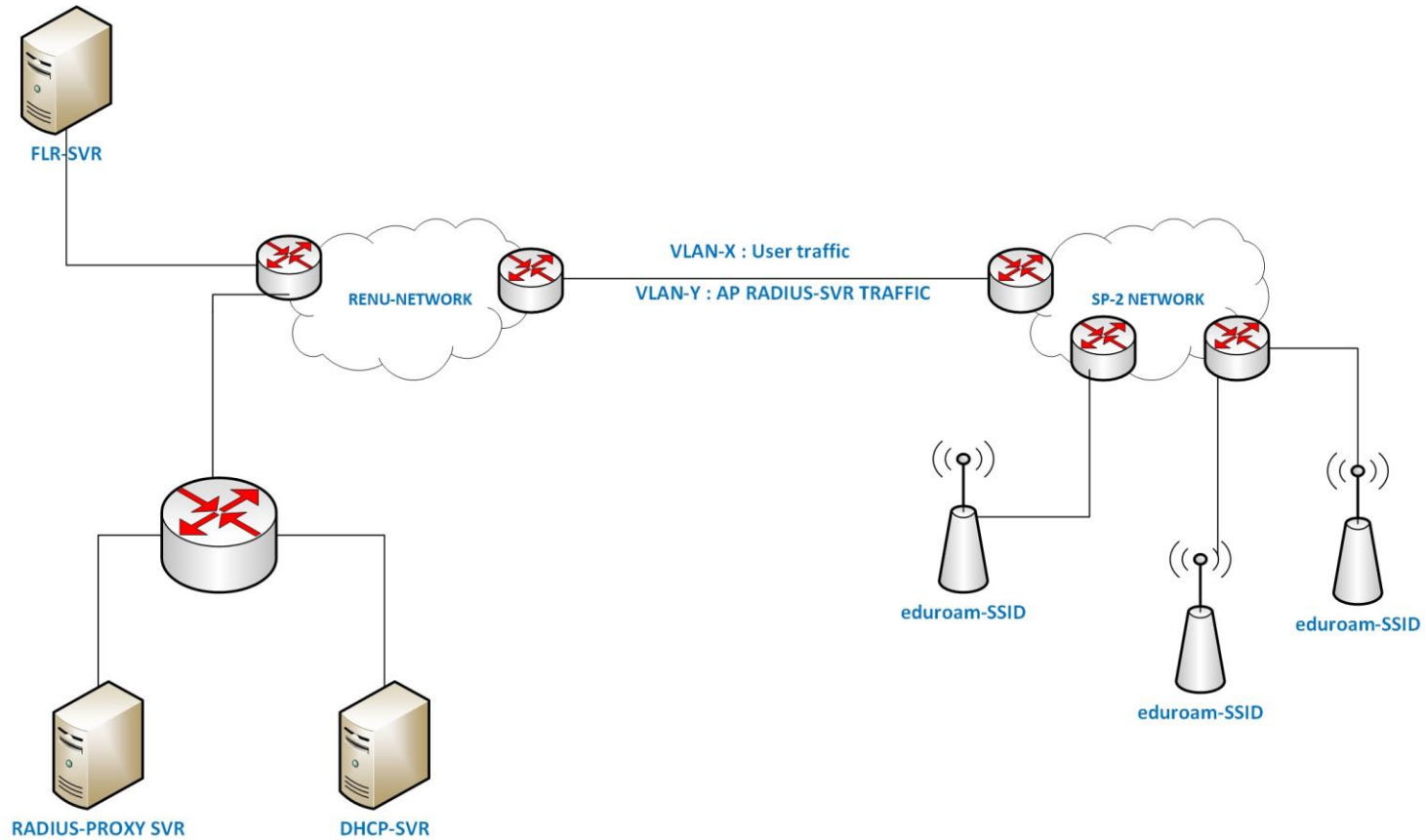
Traditional eduroam setup



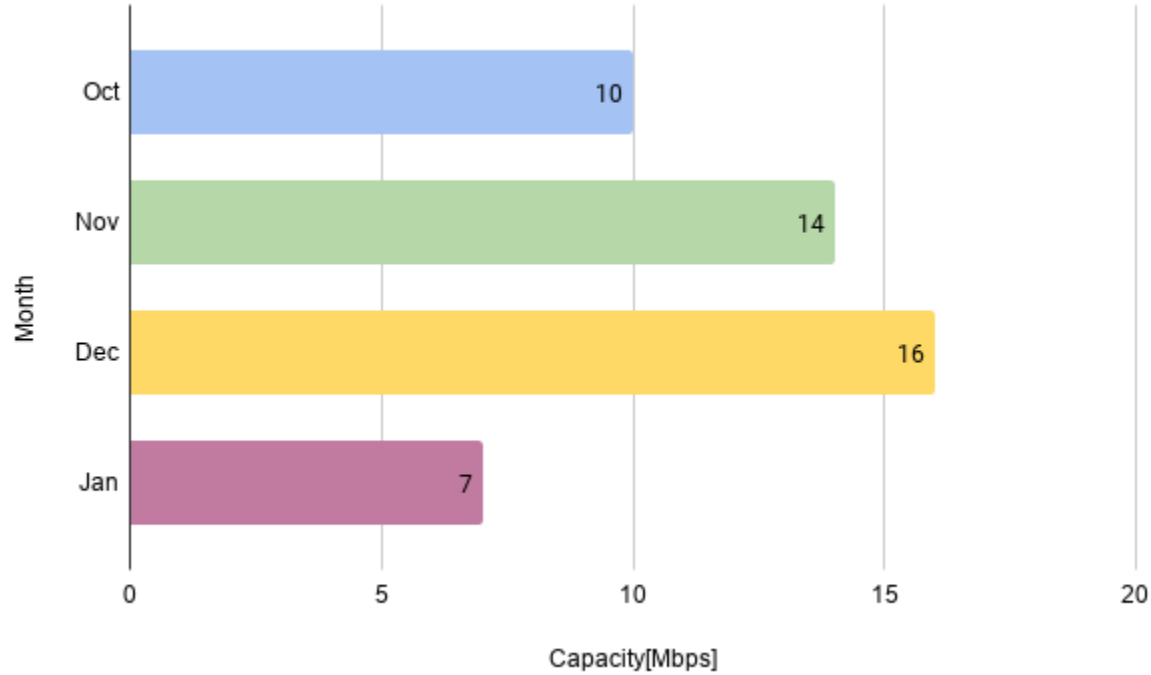
Metro-eduroam Setup - 1



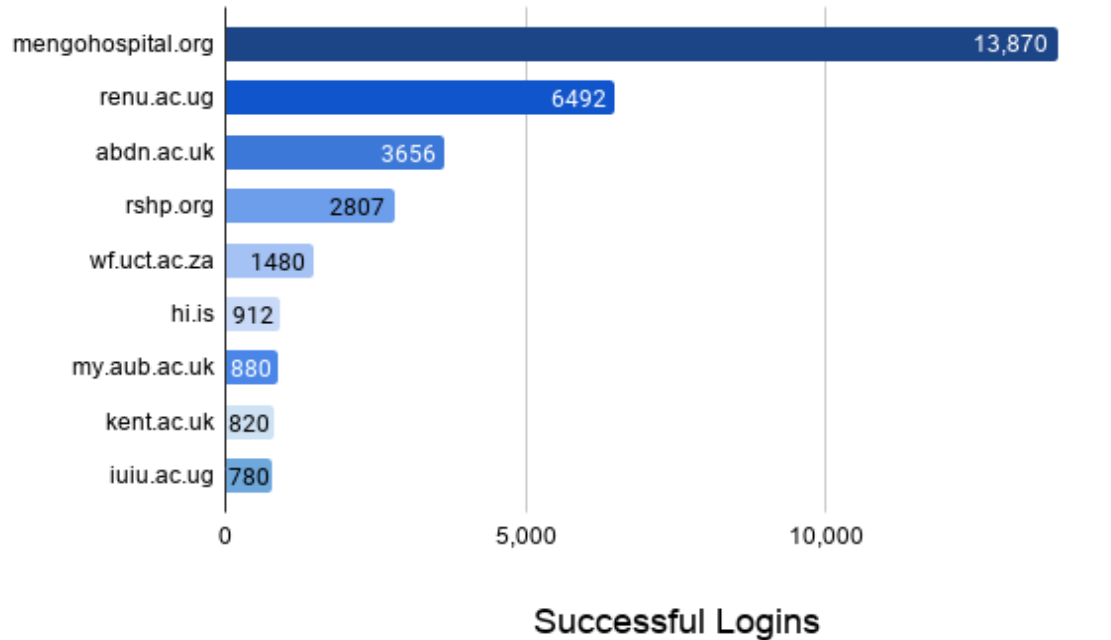
Metro-eduroam Setup - 2



Traffic Profile - Metro-eduroam

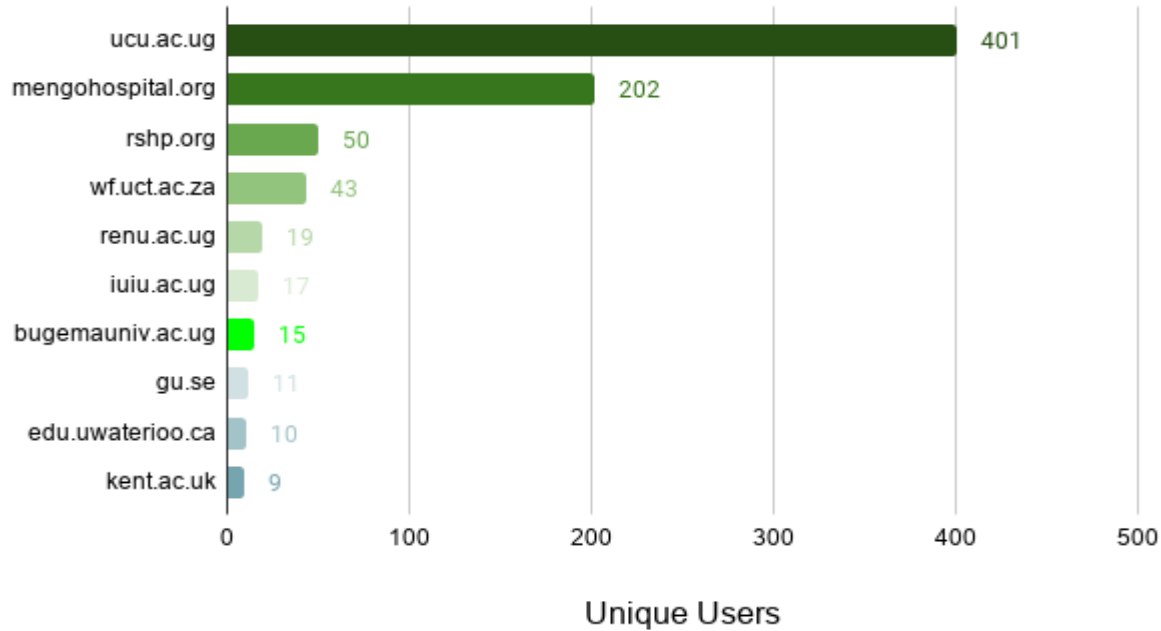


User profile - Metro-eduroam



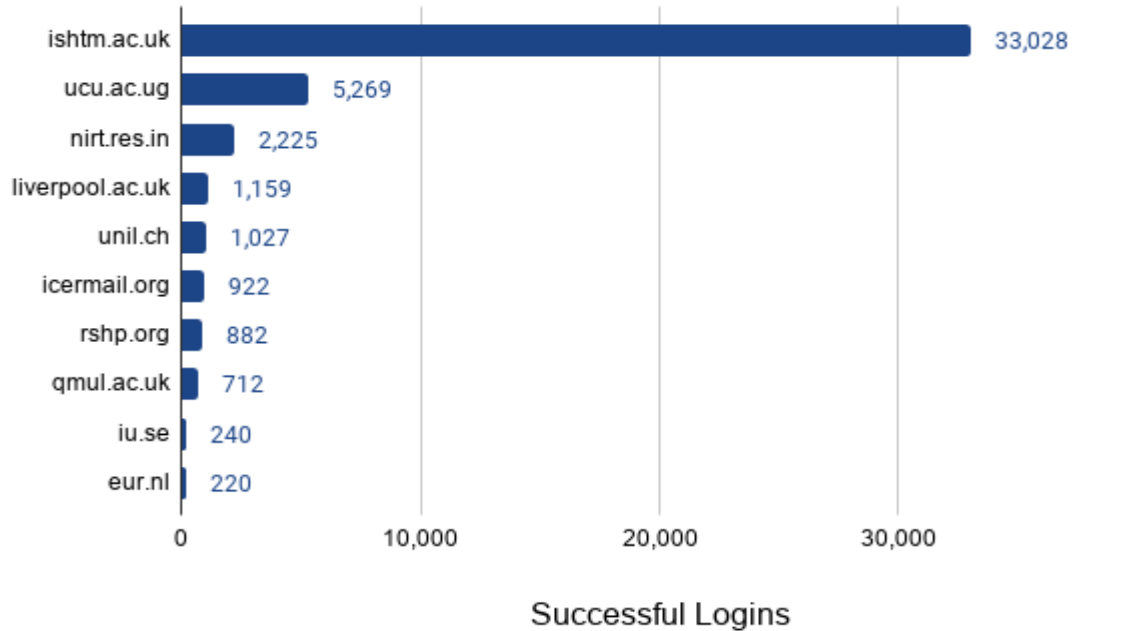
Total: 65,689 successful logins

User profile - Metro-eduroam



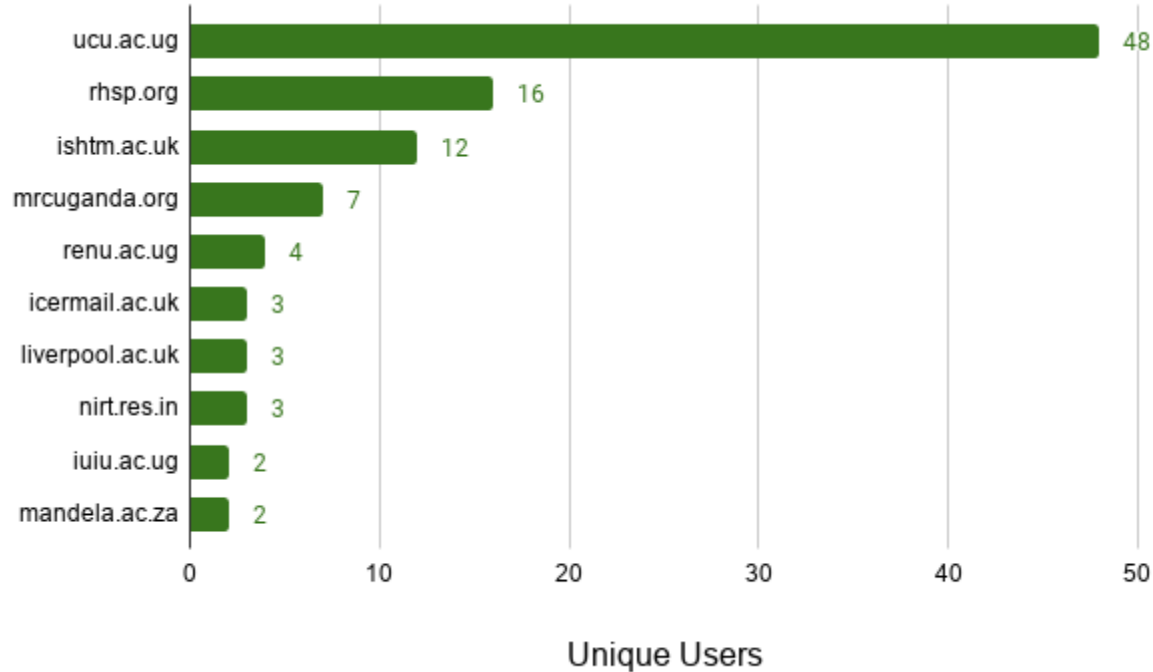
Total: 1,206 unique users

User profile - Campus eduroam



Total: 46,903 successful logins

User profile - Campus eduroam

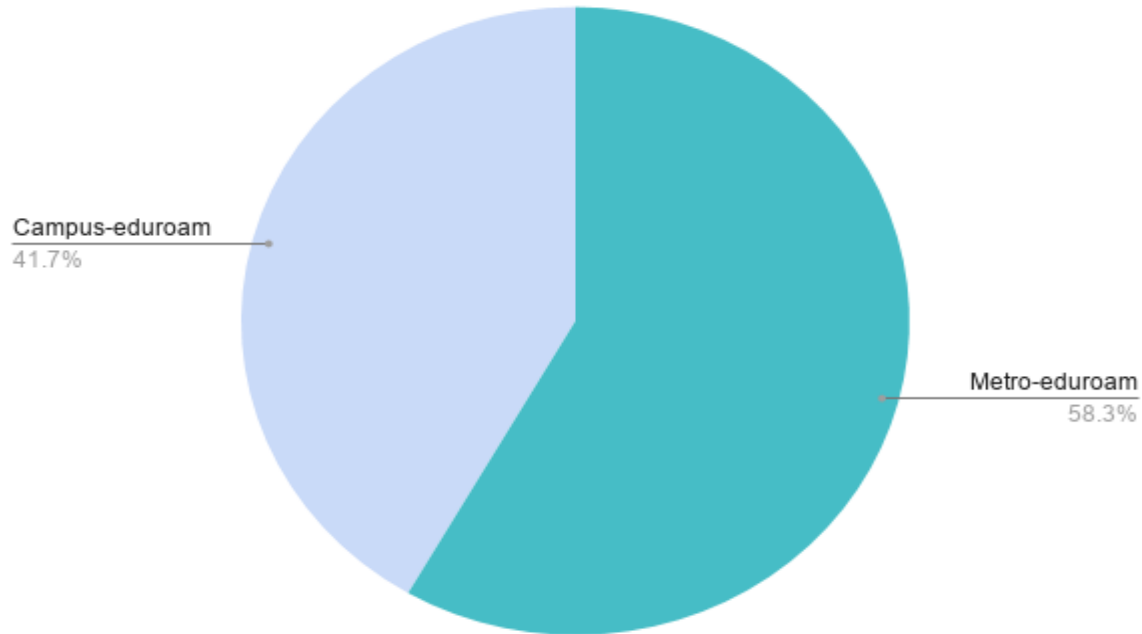


Total: 124 unique users

Campus eduroam Vs Metro eduroam



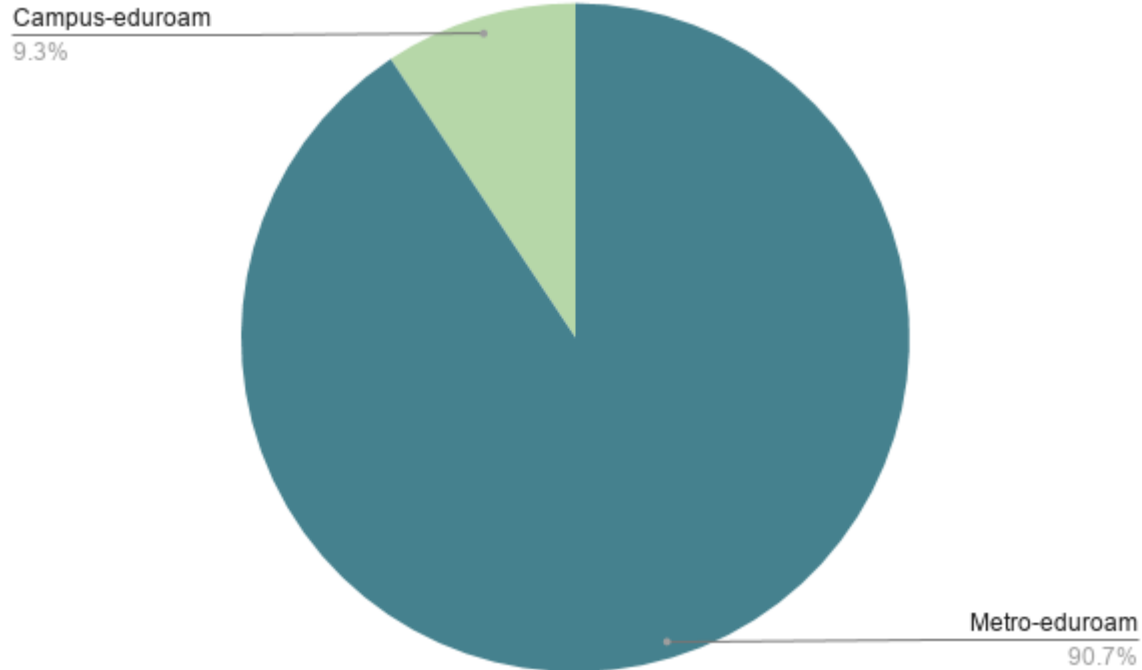
Successful Logins



Campus eduroam Vs Metro eduroam



Unique Users



Benefits of Metro-eduroam

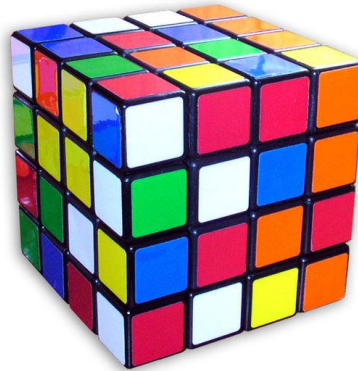
- Increased demand of the eduroam service.
- Extension of NREN free connectivity service.
- Growing Institutional trust in the NREN.



Challenges



- Difficulty to measure or monitor Quality of service.
- APs Locations – No control by NREN + “Meaningful Spots”.
- SP Pricing model – Based on Data Volumes or User Sessions.



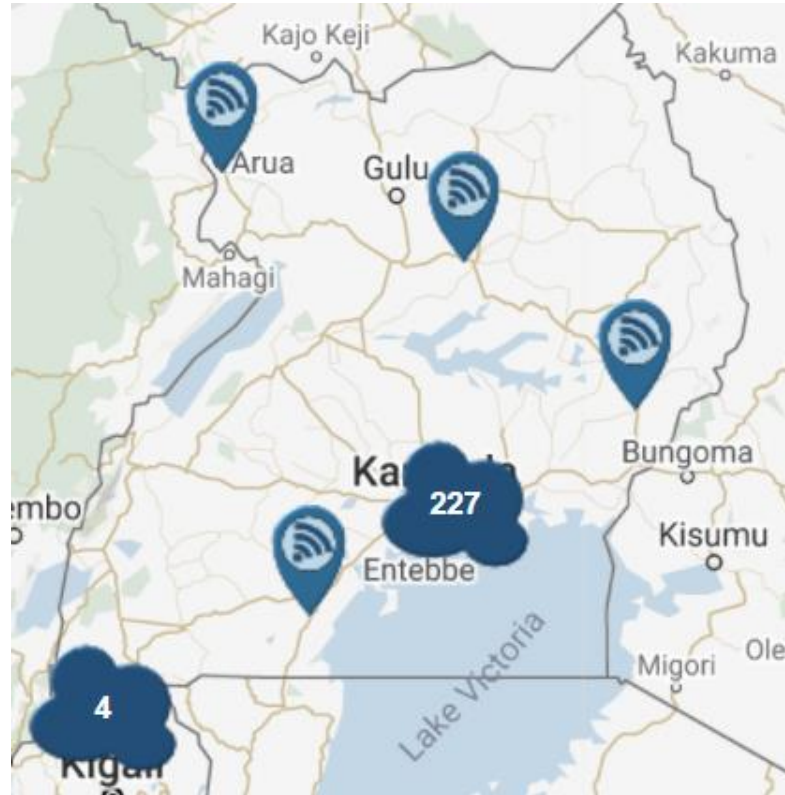
The Future



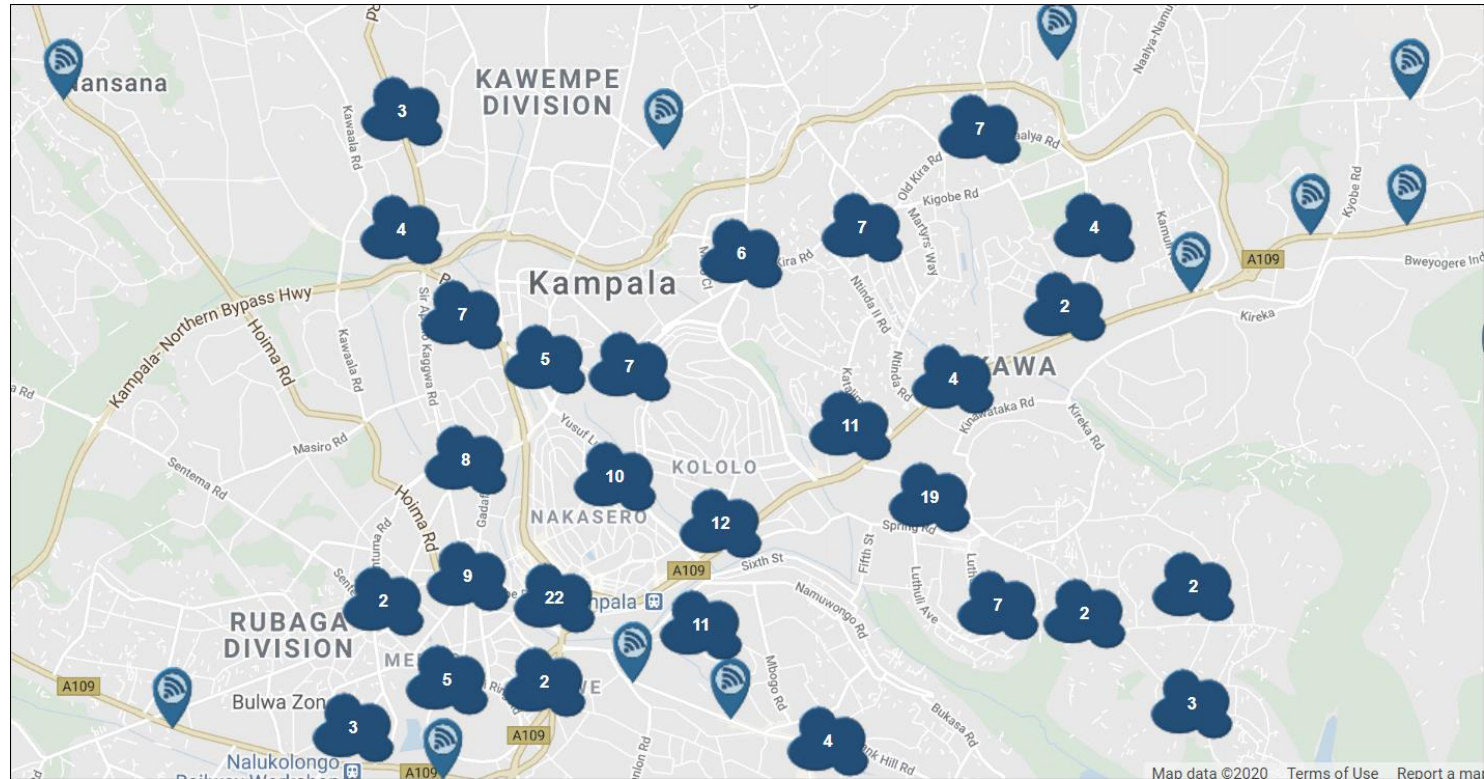
- Roll-out eduroam to all Major Cities
- Explore **WifiMon** for service monitoring.
- Enlisting other service providers

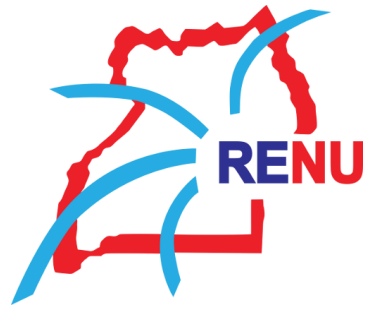


RENU – eduroam Map - eduroam.renu.ac.ug



Metro-eduroam Coverage map





THE END

Thank you