International Collaboration and New Services of ASNET-AM

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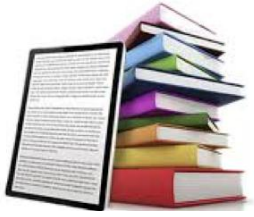
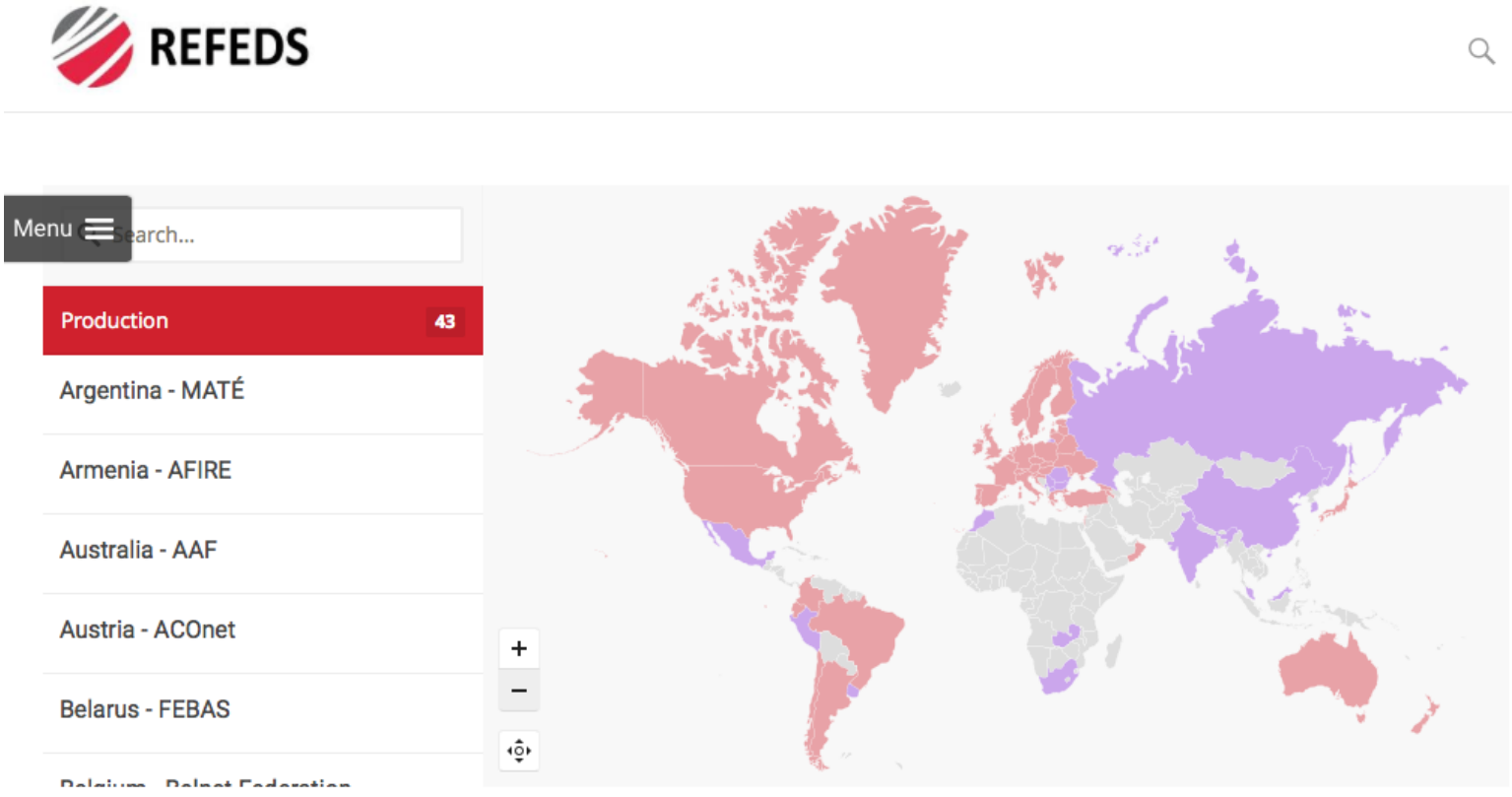
Online Services: Research and Education



Online Services: Federations benefits

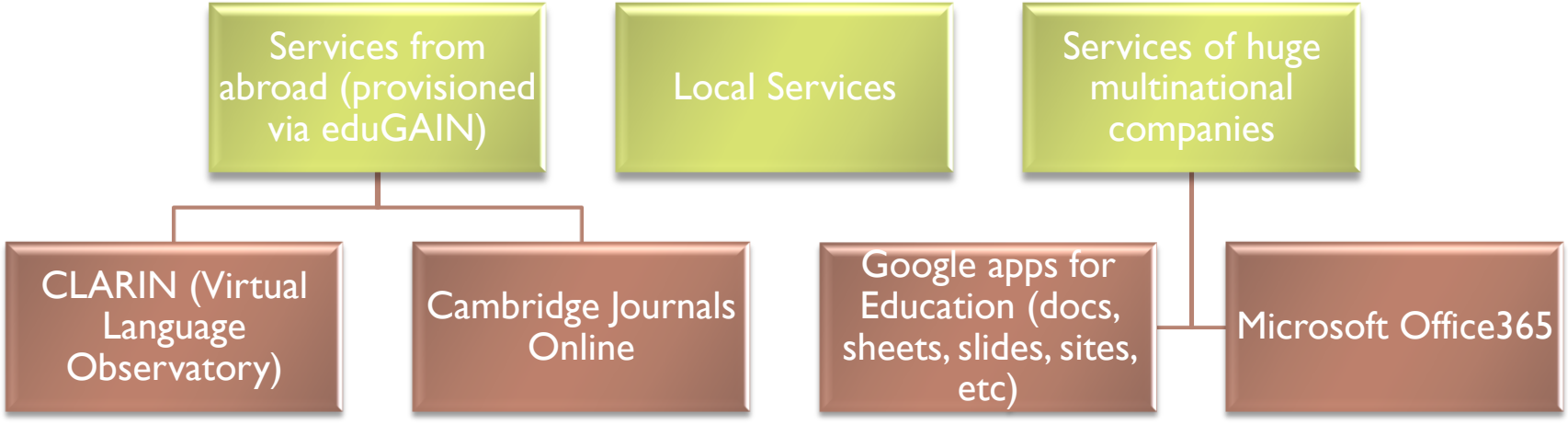
- Ease of use (Single sign-on)
- Trust framework
- Collaboration (nationally & internationally)
- Need for security & privacy

Online Services: Federations Collaborations



- REFEDS (the Research and Education FEDerations group) is to be the voice that articulates the mutual needs of research and education identity federations worldwide.
- eduGAIN interconnects federations worldwide: interfederation: 2001 Identity Providers, 1141 Service Providers

Online Services: possible ways



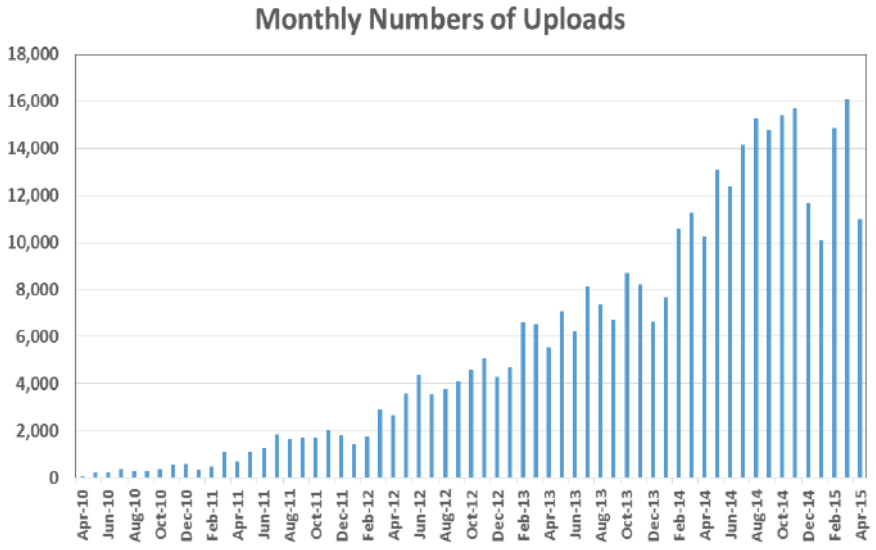
AFIRE IsP: File Sender

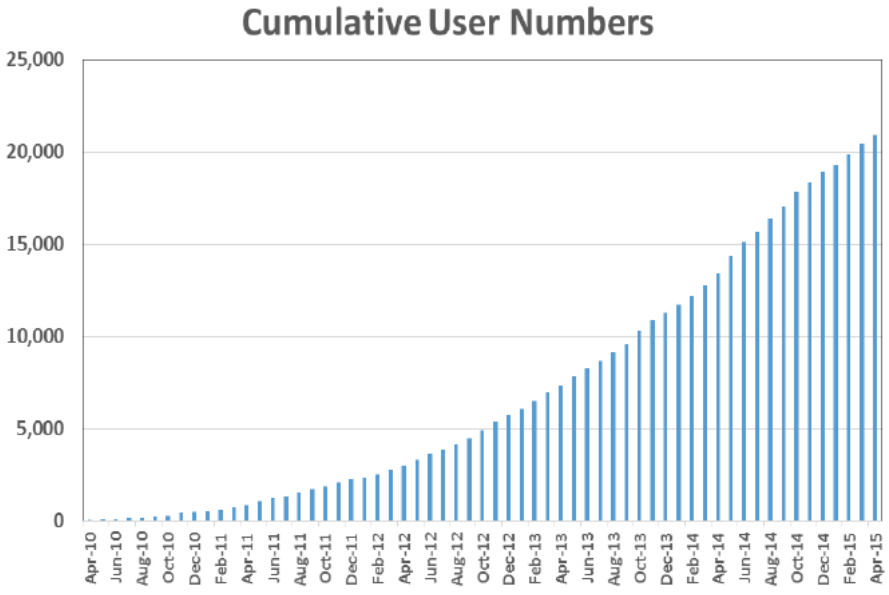
You need to send a file larger than a couple of megabytes to someone and the email comes back: attachment too big (unfortunately due to security and other reasons the mail servers (both incoming and outgoing) restrict attachment sizes to a maximum of a few megabytes).

?

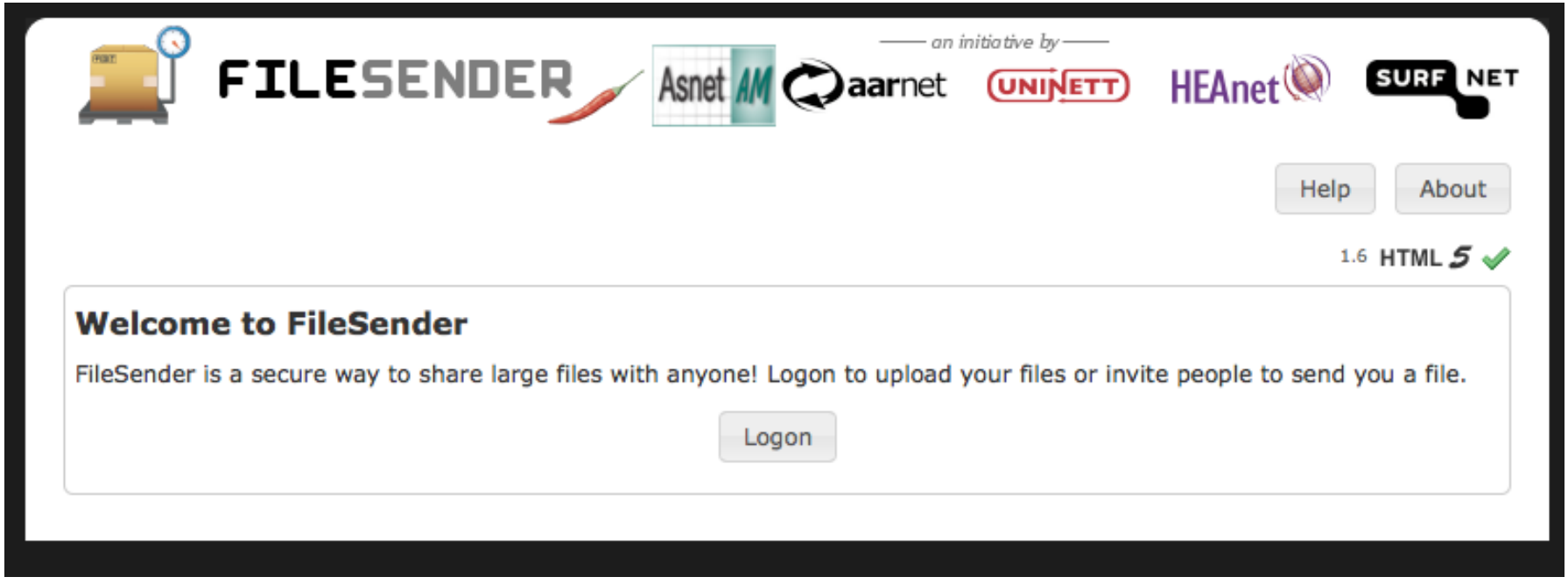
AFIRE IsP: File Sender

Australian Statistics





AFIRE IsP: File Sender



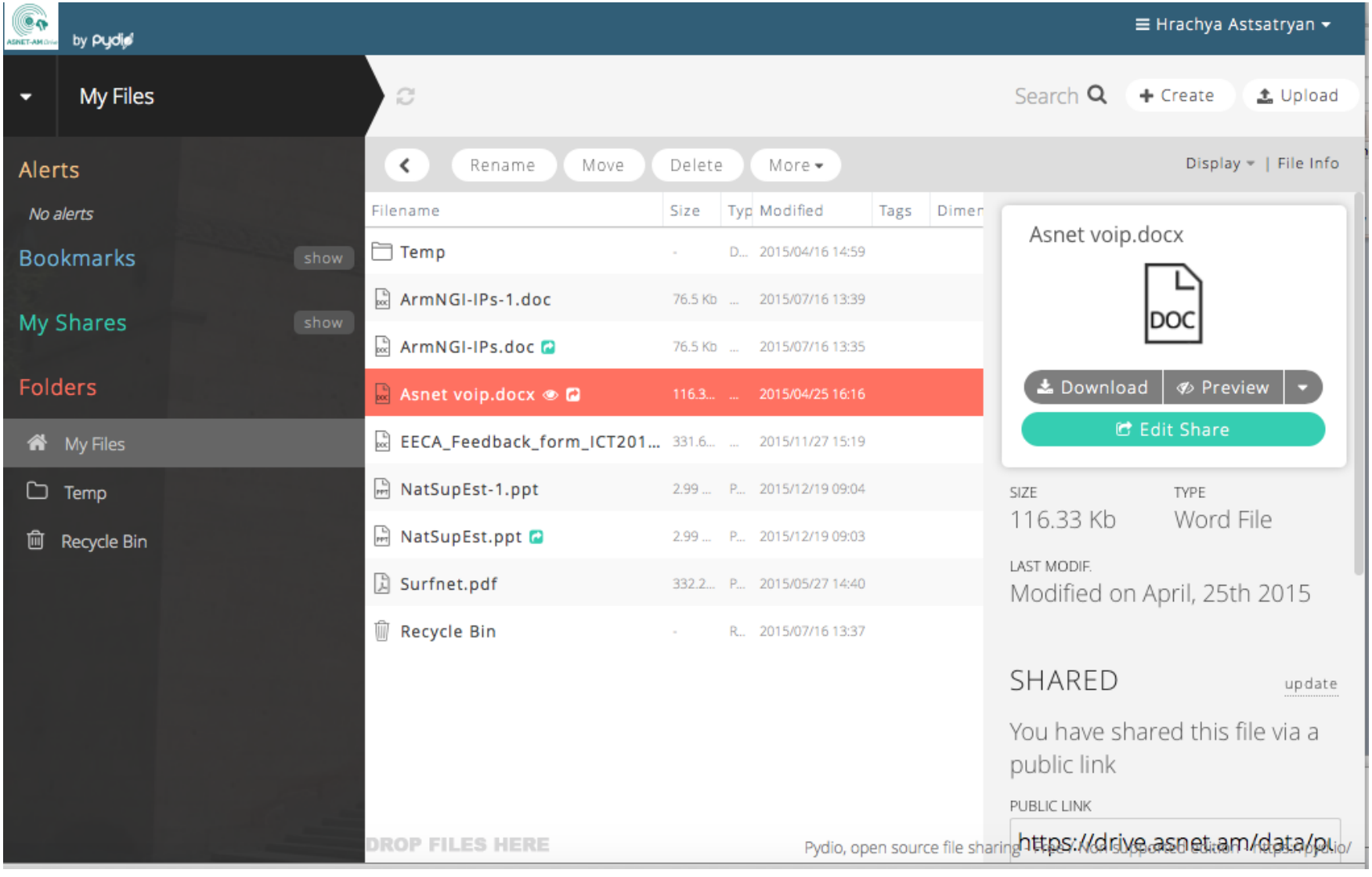
AFIRE IsP: Global File Storage Services

	OneDrive	Dropbox	Google Drive	Box	Amazon Cloud Drive
File size restrictions?	10GB	10GB with website, none with Dropbox apps	5TB	250MB for free plan, 5GB for paid personal plan	2GB*
Free storage?	5GB**	2GB	15GB	10GB	No***
Can I earn extra free storage?	No**	Yes	No	No	No

AFIRE IsP: File Storage (Drive)

- User friendly, Personal Storage in the Cloud.
- All your research data stored safely in Armenia.
- Access file anywhere and anytime.

AFIRE IsP: File Storage (Drive)



AFIRE IsP: eLearning

FILESENDER

ASNET-AM Drive

e-LEARNING

MATHGEAR

MATH-BRIDGE
EDUCATION SOLUTION

EduRoam Concept

- EduRoam is a federated authentication trust framework for wireless networks, which allows roving researchers to login with their standard user name and password

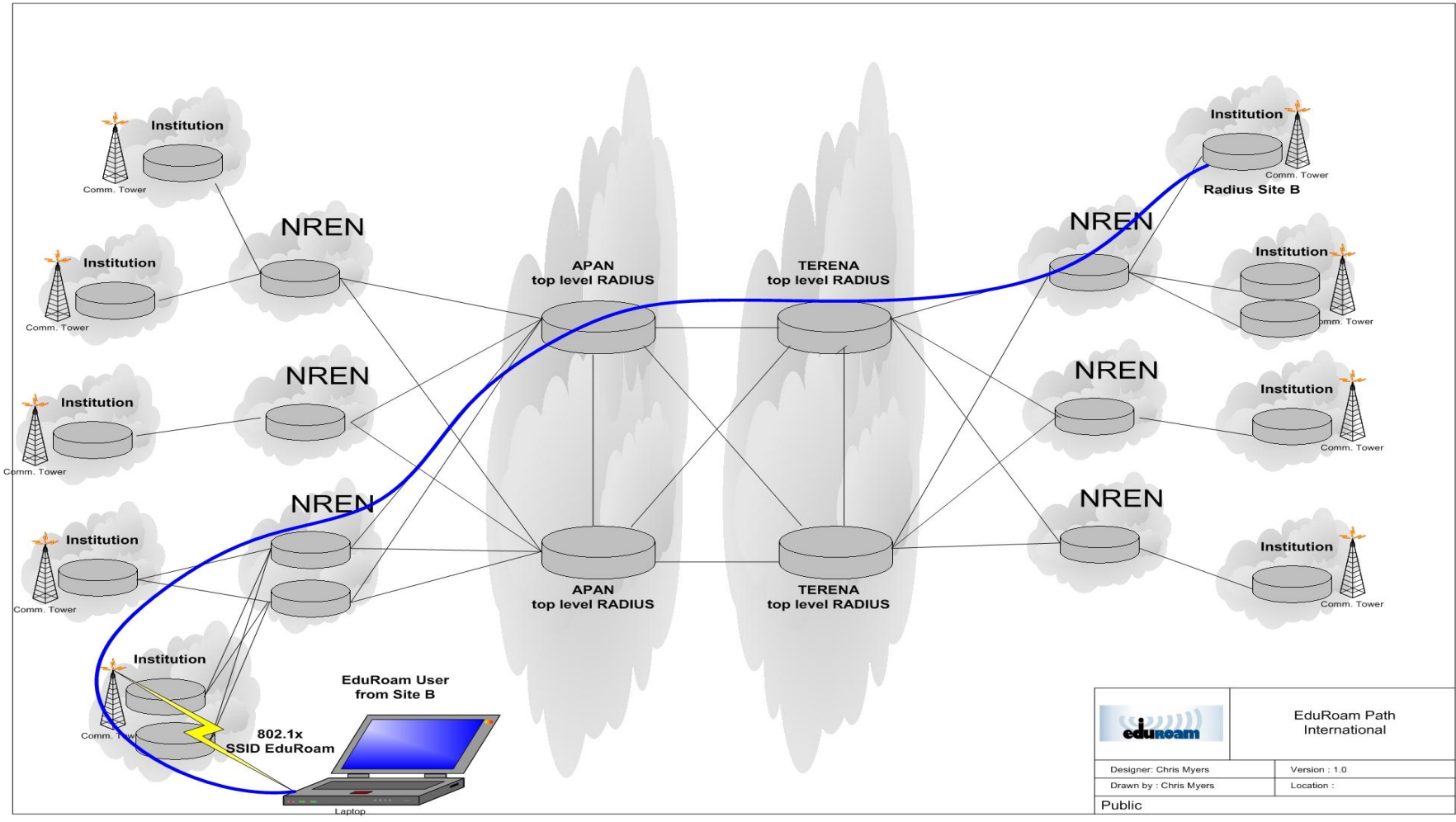
Andorra, Argentina, Armenia, Australia, Austria, Azerbaijan, Belarus, Belgium, Brazil, Bulgaria, Canada, Chile, People's Republic of China, Colombia, Costa Rica, Croatia, Cyprus, Czech Republic, Denmark, Ecuador, Estonia, Finland, France, Germany, Greece, Hong Kong, Hungary, Iceland, India, Ireland, Israel, Italy, Japan, Kazakhstan, Kenya, Korea, Kyrgyzstan, Latvia, Lebanon, Lithuania, Luxembourg, Macau, Macedonia, Malta, Mexico, Moldova, Montenegro, Morocco, The Netherlands, New Zealand, Norway, Peru, The Philippines, Poland, Portugal, Qatar, Taiwan (ROC), Romania, Russia, Saudi Arabia, Serbia, Singapore, Slovenia, Slovakia, South Africa, Spain, Sweden, Switzerland, Thailand, Trinidad & Tobago, Turkey, Uganda, United Arab Emirates, United Kingdom, United Kingdom, United States of America and Zambia

EduRoam in Europe

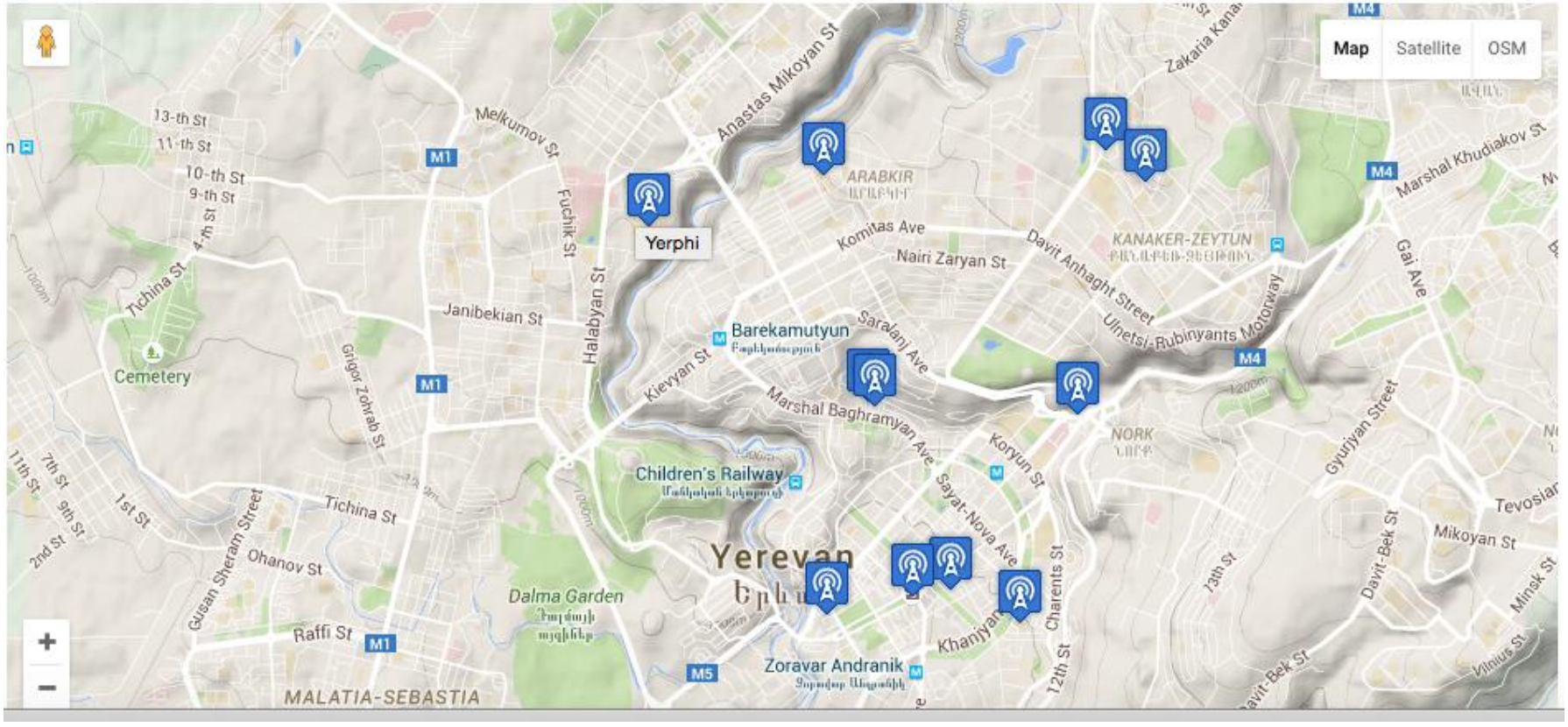
Europe | Africa | APAN | SOAM | NOAM

Country	NREN/NRO	Number of service locations
Algeria	ARN	N/A
Andorra	U.Andorra	1
Armenia	ASNET-AM	5
Austria	ACOnet	68
Azerbaijan	AzScienceNet/ANAS	N/A
Belarus	BASNET	1
Belgium	BELNET	130
Bulgaria	BREN	26
Croatia	CARNet/Srce	191
Cyprus	CYNET	N/A
Czech Republic	CESNET	780
Denmark	DeIC	631
Estonia	EENet	66
Finland	FUNET	350
France	RENATER/CRU	694
Germany	DFN	1104

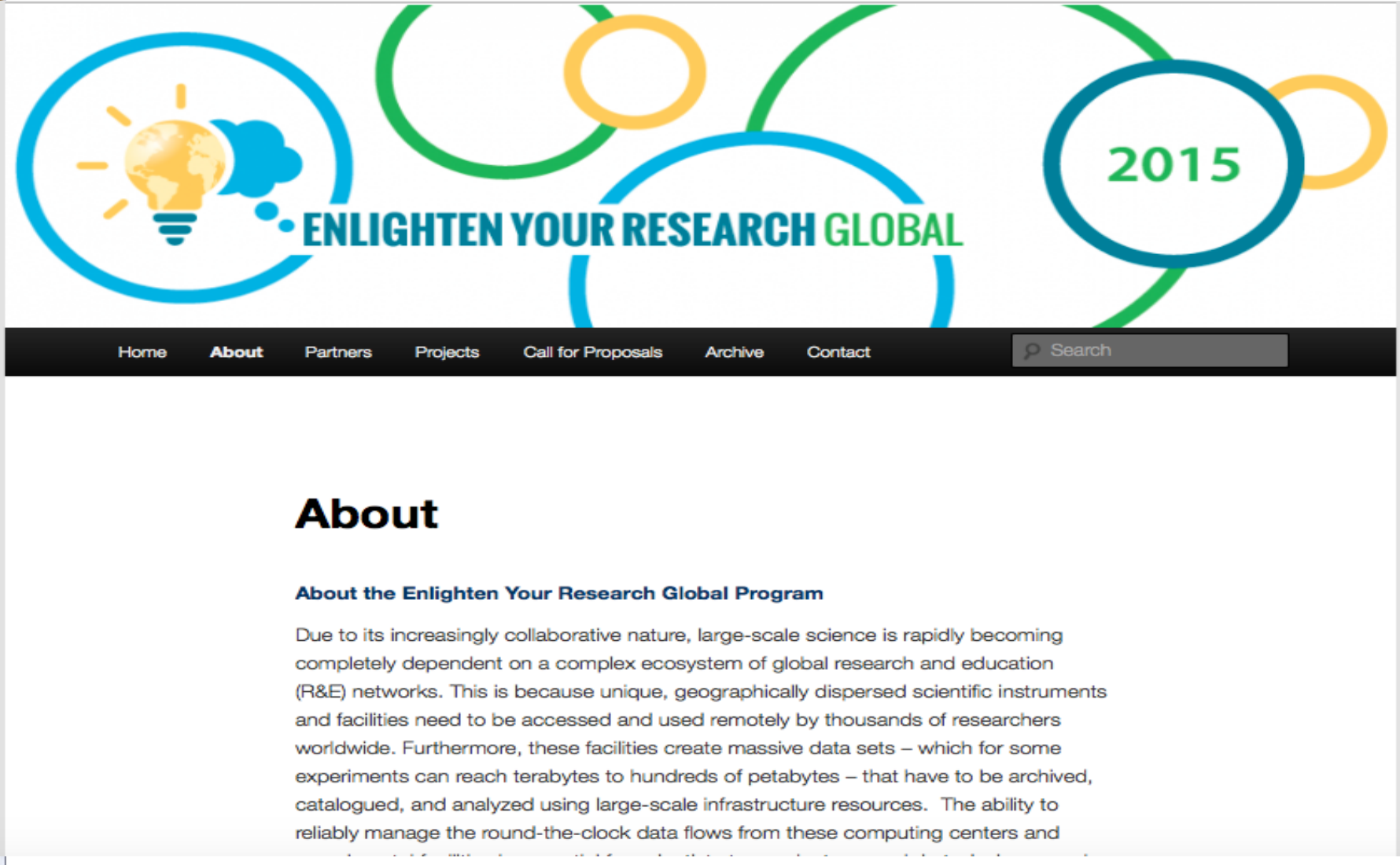
EduRoam Topology



EduRoam Portal



Further Activities



ASNET-AM, http://www.asnet.am

Eduroam, http://www.eduroam.am

AFIRE Federation, http://www.afire.asnet.am

Cloud storage, http://drive.asnet.am

FileSender Service, http://filesender.asnet.am

AFIRE Registration, https://afire.asnet.am/index.php/registration