LITNET way to eduGAIN

WACREN - CEOs Academy

eduGAIN in Practice

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LITNET VDU TC

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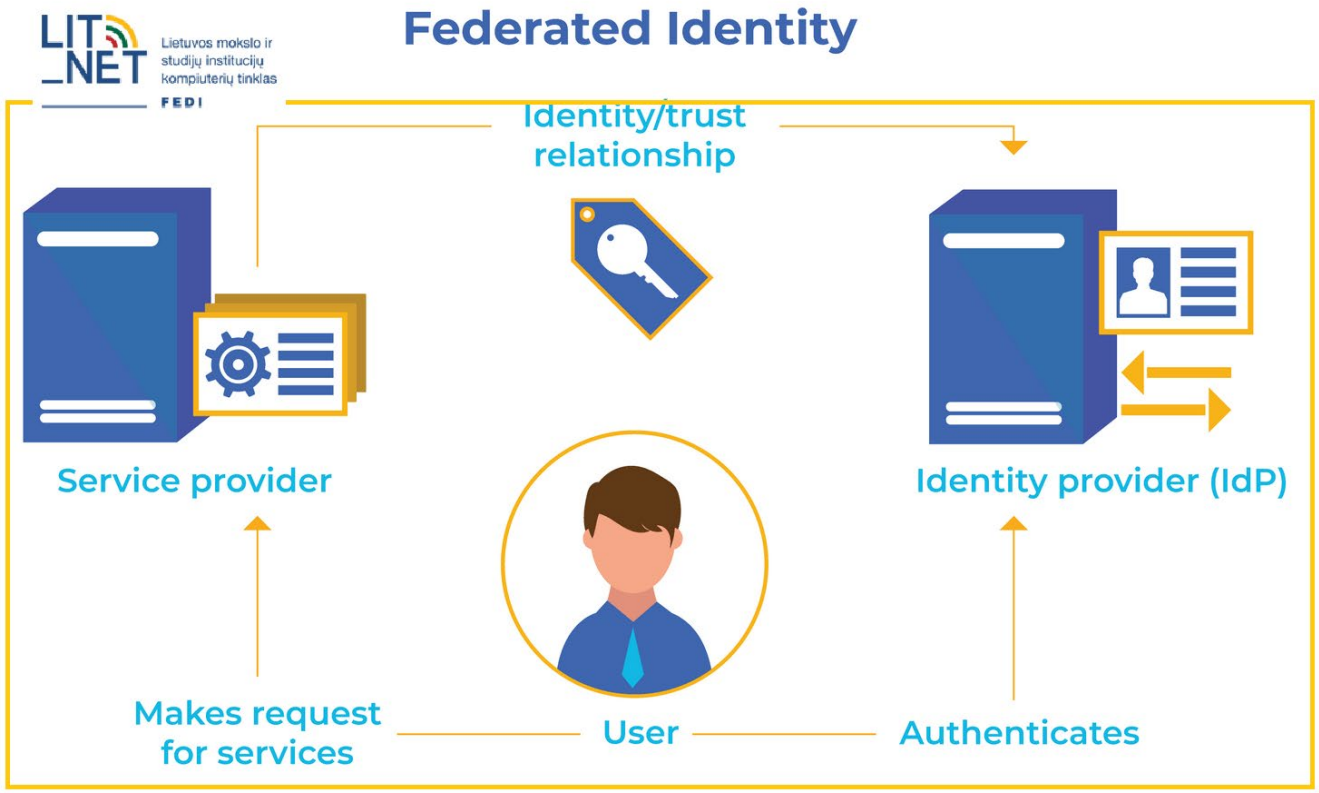
Brief history to LITNET FEDI

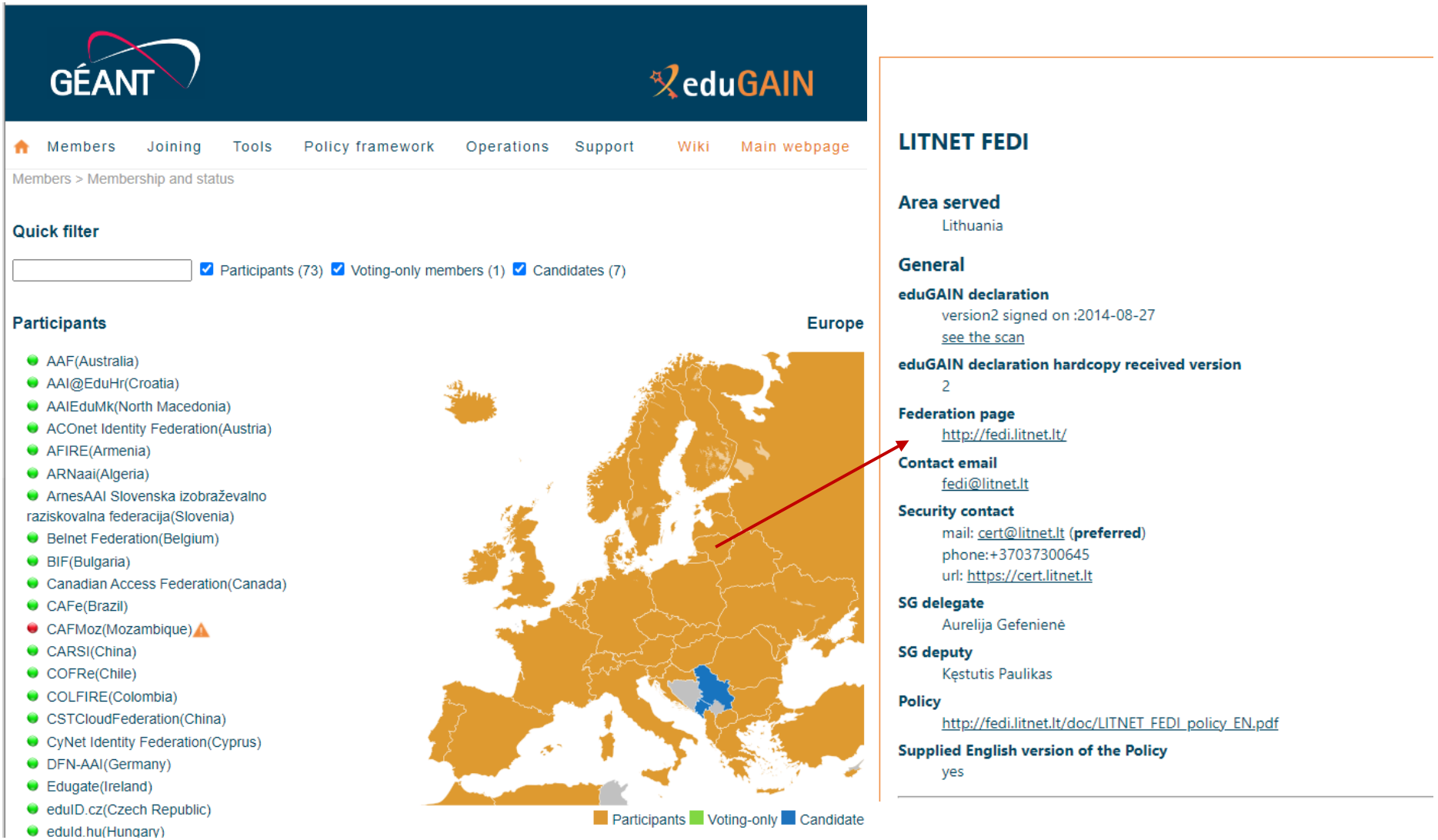


2011 – Terena EuroCAMP

2011 – 2012 LITNET builds test federation

- Identity provider (LDAP)
- Discovery service
- Single Sign On
- Service provider

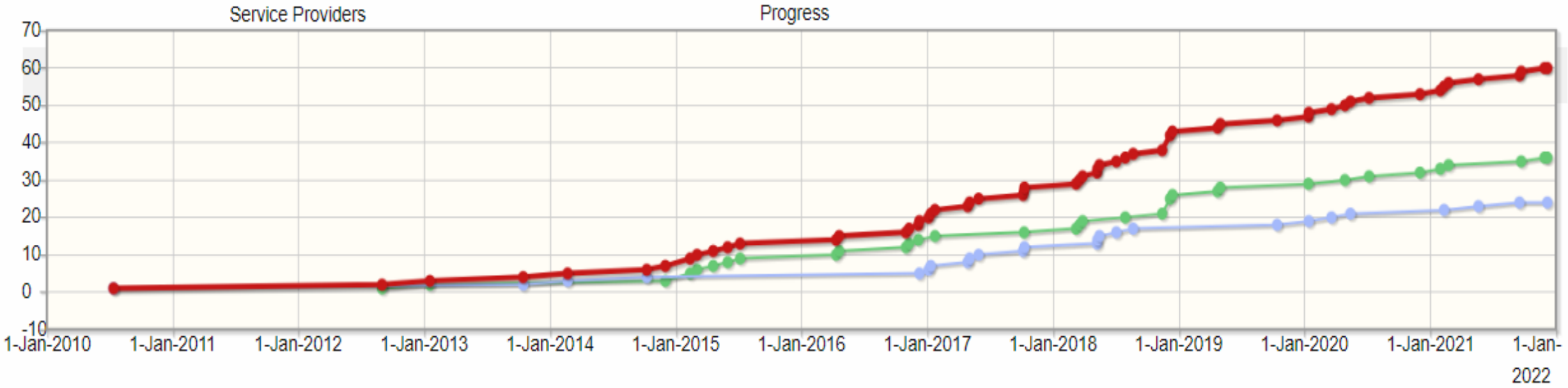
LITNET FEDI member of eduGAIN since 2014



2017 – LITNET FEDI Identity federation expands

- 2 Single Sign-On hosts
- Institutional IDPs
- Discovery service
- Federation as a Service (GÉANT)
- Metadata registry for IDM/SSO as a Service
- Cron for metadata refresh
- Multiple SPs

LITNET FEDI growth



eduGAIN and national federation entities

- eduGAIN

22 Identity Providers
5 Service Providers
0 Identity/Service Providers

- LITNET FEDI

24 Identity Providers
37 Service Providers
0 Identity/Service Providers

Key factors to LITNET FEDI success

Staff with relevant skill set and NREN own infrastructure

SAML 2.0 protocol

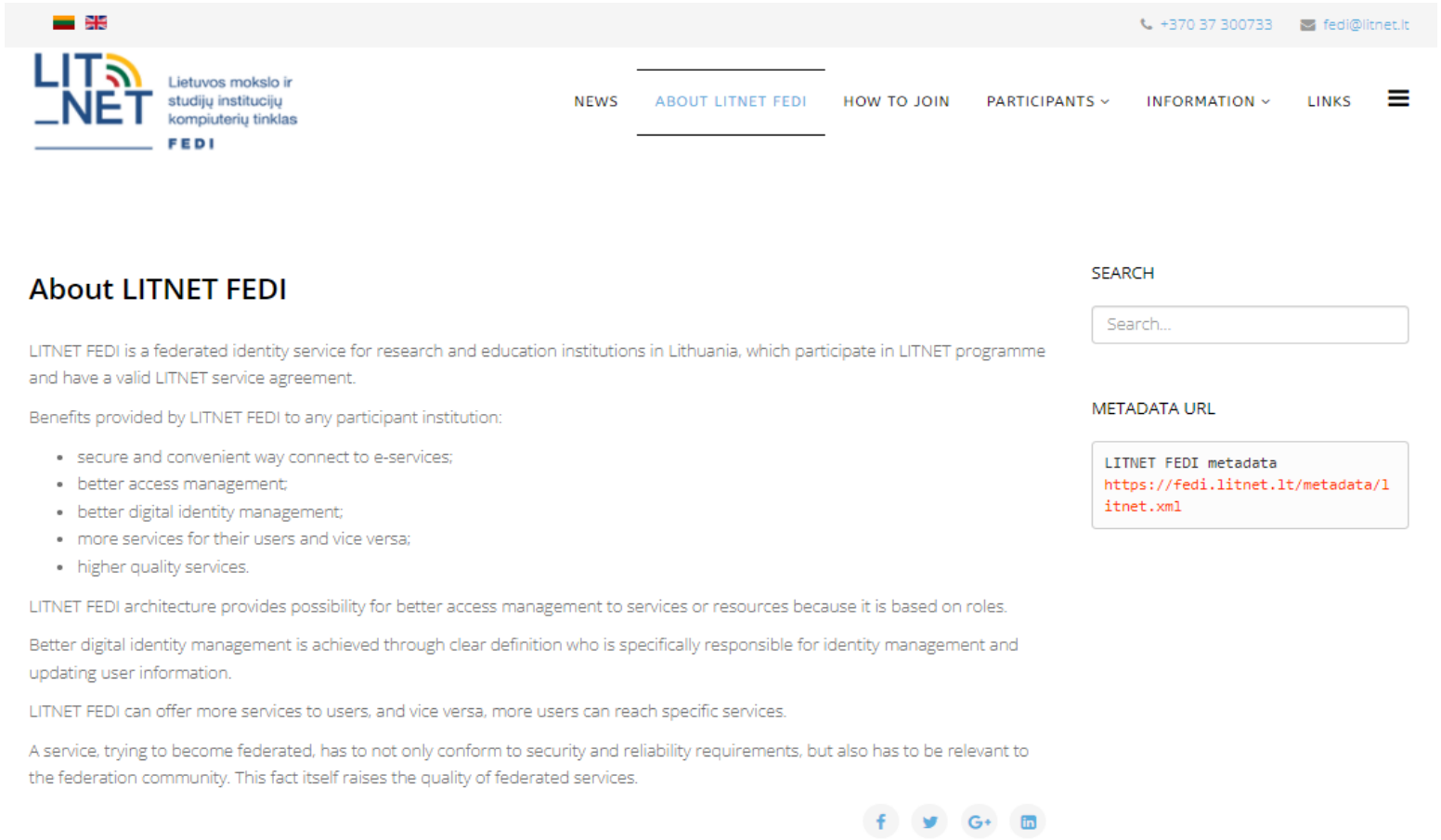
Read and Learn

Useful links:

- https://wiki.geant.org/display/eduGAIN
- https://wiki.geant.org/display/eduGAIN/Tools+and+Services
- https://technical.edugain.org/
- https://wiki.geant.org/display/eduGAIN/IDP+Attribute+Profile+and+Recommended+Attributes
- https://wiki.refeds.org/
- https://discovery.refeds.org/guide/
- https://attribute-viewer.aai.switch.ch
- https://attribute-viewer.aai.switch.ch/interfederation-test/

Sharing information

- Identity federation website



Technical instructions

- WIKI page with technical configuration and tips for IT admins

Providing user support system for Q&A

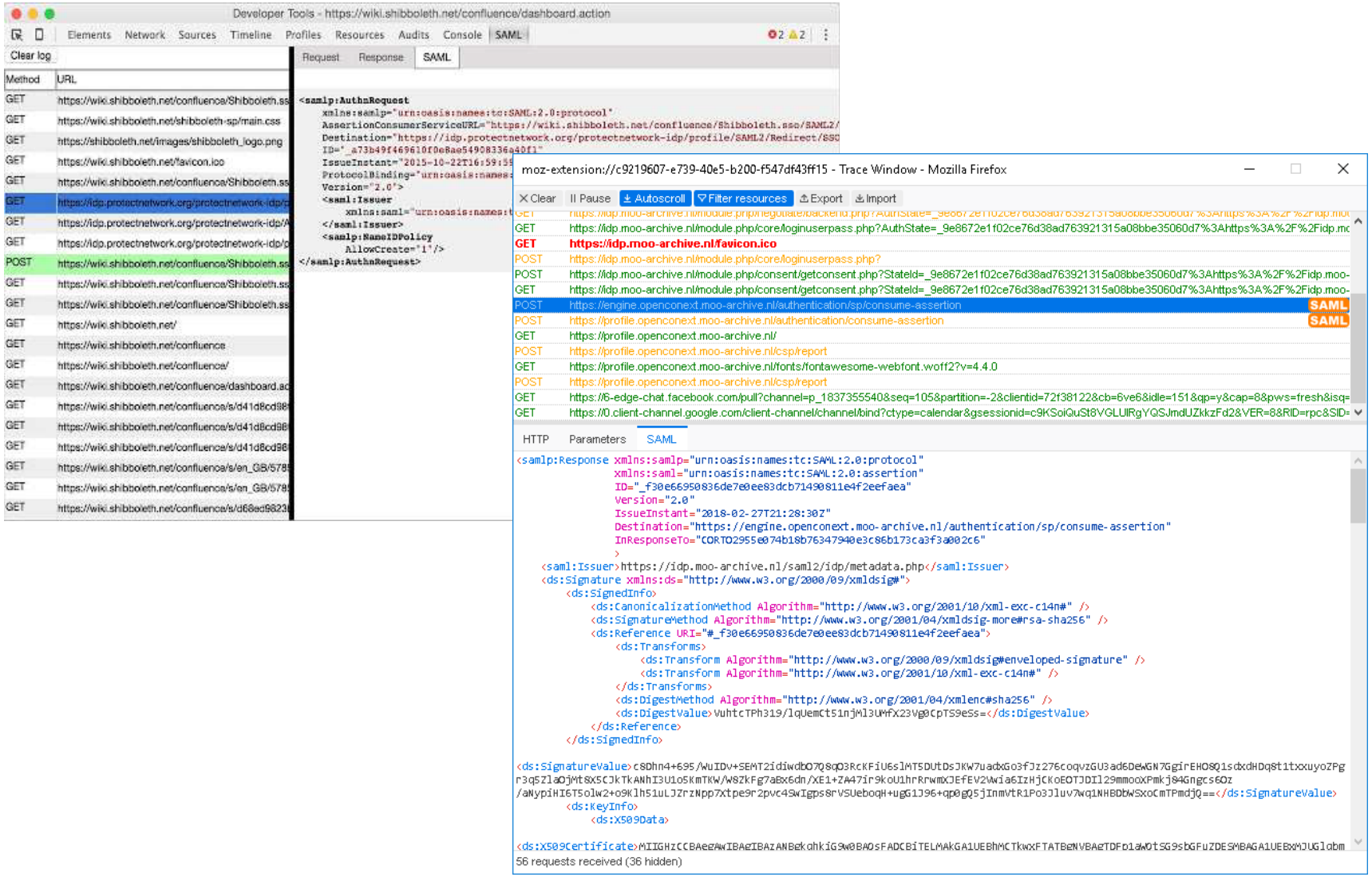
- Email request tracker system for providing user support

310879	**Federation member has been modified**	new	LITNET federacija	Nobody	High
	<noreply@litnet.faas.geant.org>	6 days ago		23 hours ago	
310882	**Provider has been modified**	new	LITNET federacija	Nobody	High
	<noreply@litnet.faas.geant.org>	6 days ago		23 hours ago	
311329	**Provider has been modified**	new	LITNET federacija	Nobody	High
	<noreply@litnet.faas.geant.org>	5 days ago		3 hours ago	
311332	**Federation member has been modified**	new	LITNET federacija	Nobody	High
	<noreply@litnet.faas.geant.org>	5 days ago		3 hours ago	
312349	**User registration request**	new	LITNET federacija	Nobody	Low
	<noreply@litnet.faas.geant.org>	3 days ago		5 hours ago	
312460	**User Registration**	new	LITNET federacija	Nobody	Low
	<noreply@litnet.faas.geant.org>	3 days ago		3 hours ago	

Communication between IdP admins

- Various communication tools for group messages for IT admins for quick questions

Trainings for IT admins



Keeping your federation healthy and stable

- https://technical.edugain.org/monitoring
- Zabbix for monitoring
- Warn your user institutions

Offer attractive services to users

- Filesender - for large files transfer
- Nextcloud/Owncloud - for storage, sync and share
- Moodle - virtual learning environment
- Library resources
- Personal certificates
- SSOaaS
- IDMaaS
- IaaS on Openstack
- CaaS on Kubernetes
- CERT services
- Other ideas welcome!

Be part of T&I community

GÉANT TF and SIG mailing lists
https://lists.geant.org/sympa/lists

Thank you!
Any questions?

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