Going Dutch

Harold Teunissen et al.

#SC13

SURF NET

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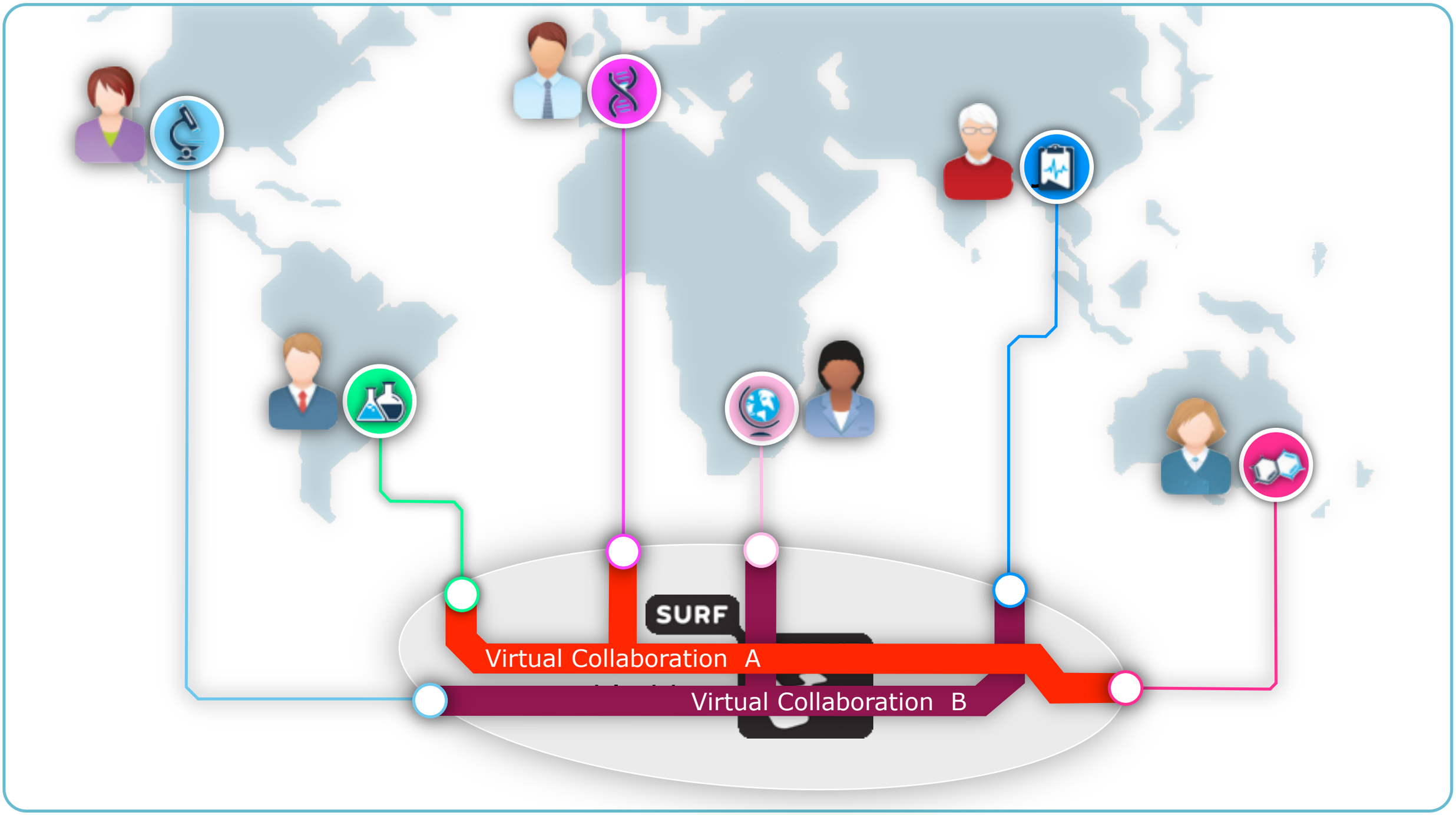
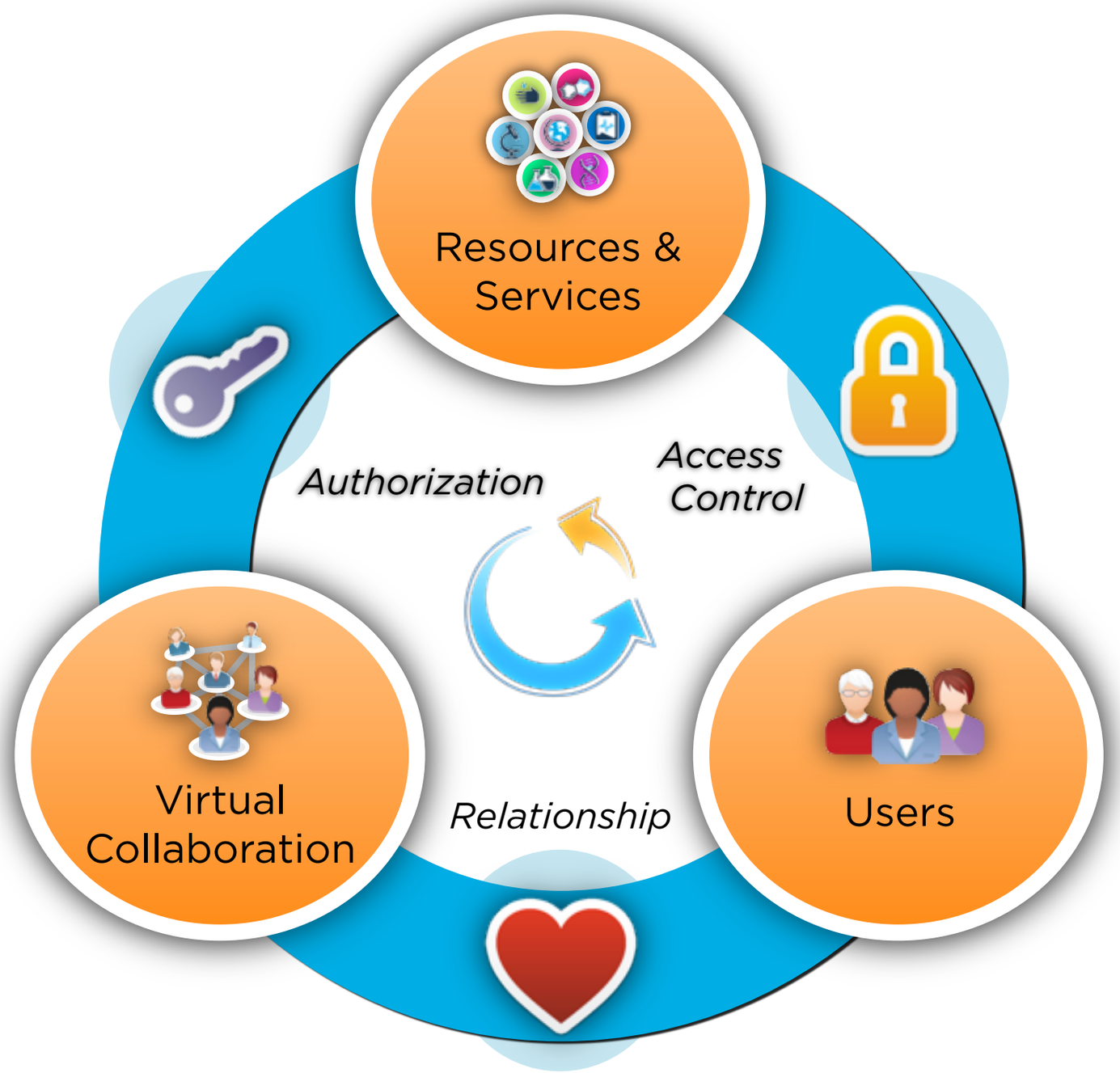
What are we doing

- Federated Identity Management based on SAML
  - Hub-and-spoke
  - Stepping stone to SSO to cloud services
  - Mapping to LDAP, Personal Certificates for Grid world, Oauth, etc
- Step-up-authentication and LoA enhancer incl. vetting
- Attribute provider is the new identity providers
- Certificate Service
- Pinning in the net / Certificate transparency
- Open Collaboration Exchange – Federation of Federations
- Etc. etc.

Multi-Disciplinary Collaboration



Circle of Pain

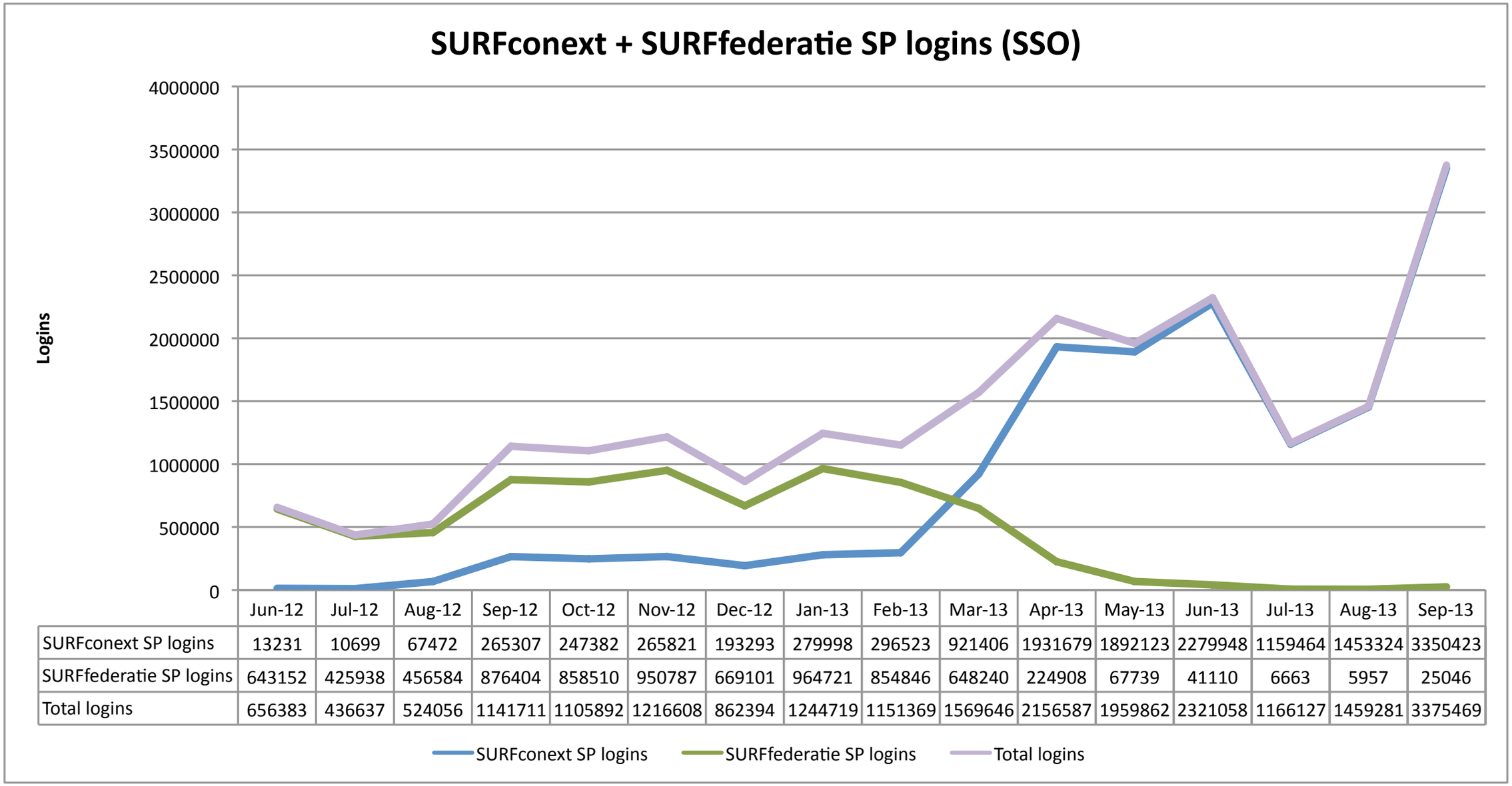


OpenConext

- Provides the glue and lubrication middleware to make campus, cloud based services and resources usable for collaboration for both inter campus and virtual collaboration scenarios
- OpenConext offers the Identity and Group Infrastructure
- Offer the platform software for large, virtual collaboration-type collaboration to run-you-own

- OpenConext allows you to create your own collaboration environment that organizes your (online) applications, services and resources

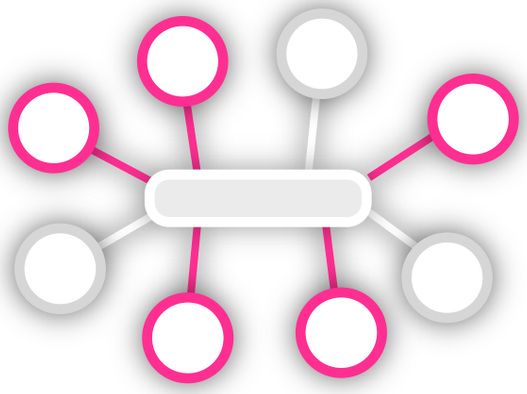
Stats



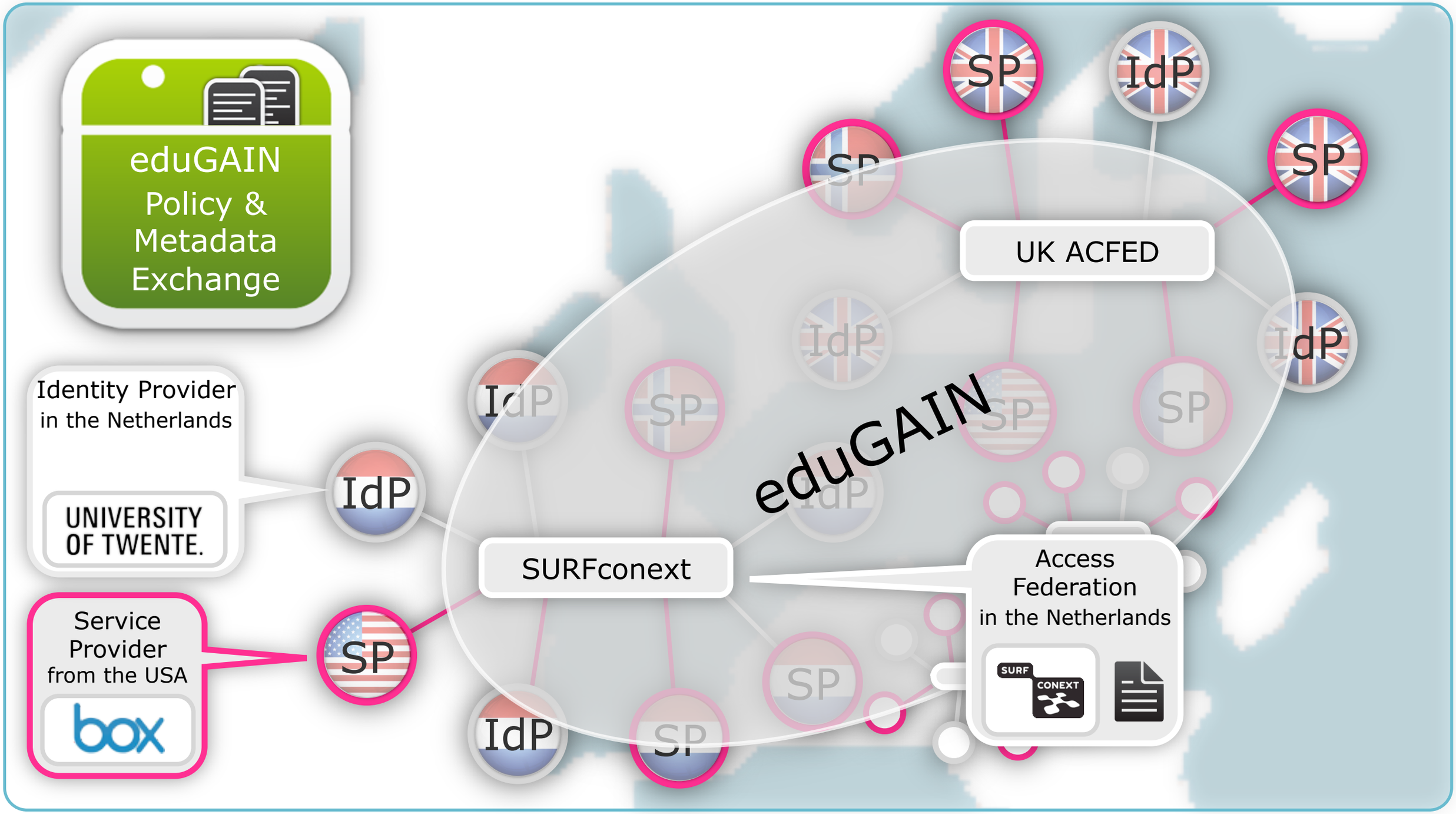
	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13
SURFconext SP logins	13231	10699	67472	265307	247382	265821	193293	279998	296523	921406	1931679	1892123	2279948	1159464	1453324	3350423
SURFfederatie SP logins	643152	425938	456584	876404	858510	950787	669101	964721	854846	648240	224908	67739	41110	6663	5957	25046
Total logins	656383	436637	524056	1141711	1105892	1216608	862394	1244719	1151369	1569646	2156587	1959862	2321058	1166127	1459281	3375469

OCX — Rationale

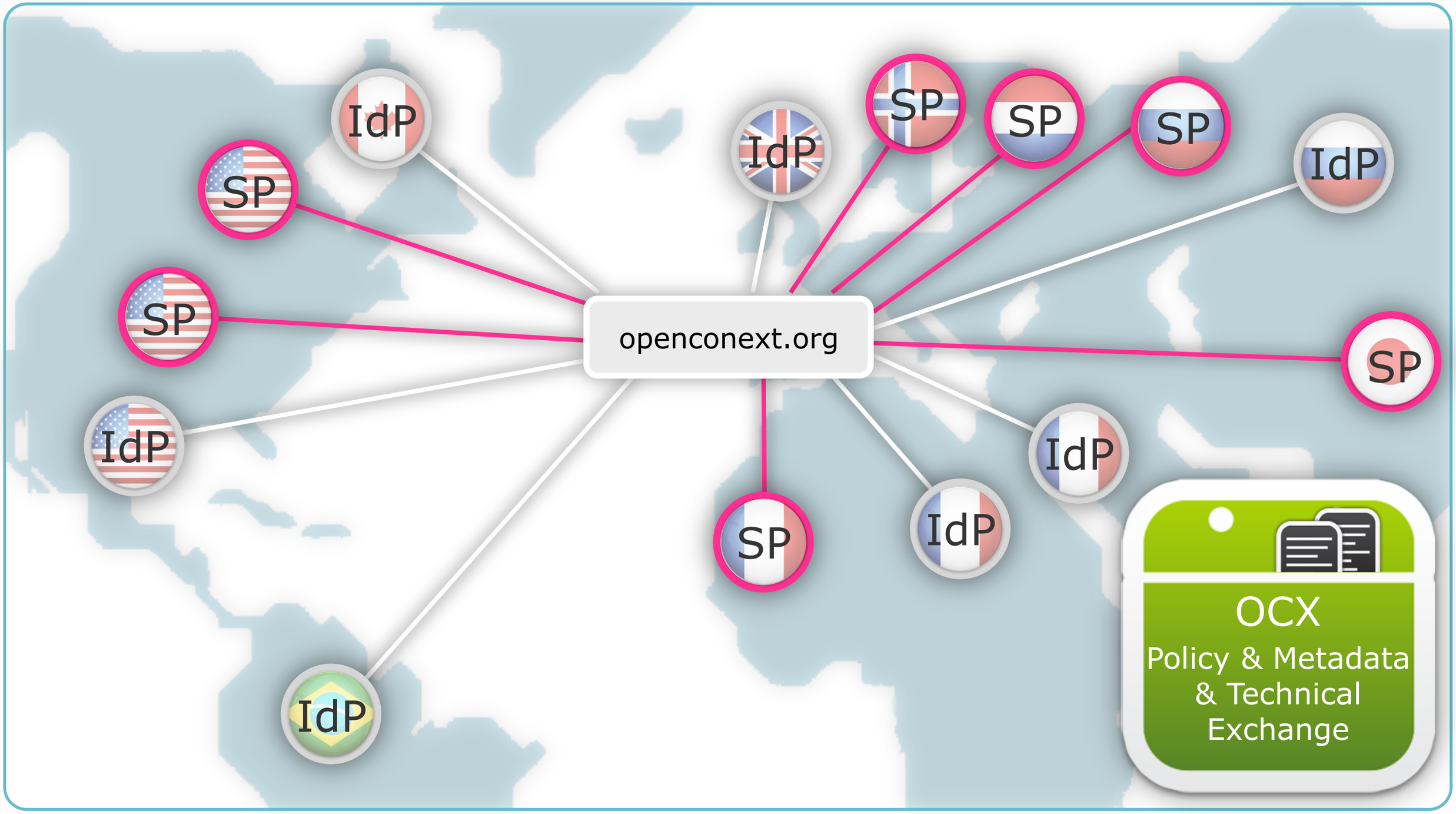
- Facilitate international collaborations and virtual organizations
- Make it easier for global interconnection of IdPs and SPs
- Harmonizing attribute exchange that will result in more SPs that potentially become (technically) available to more individual (sets of) IdPs
- Ideally, for any participating country, SPs and IdPs will have to ‘openconext’ only once to become part of the exchange
- Add-on to eduGAIN



Current Situation



OCX Concept


IdP
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openconext.org
SP
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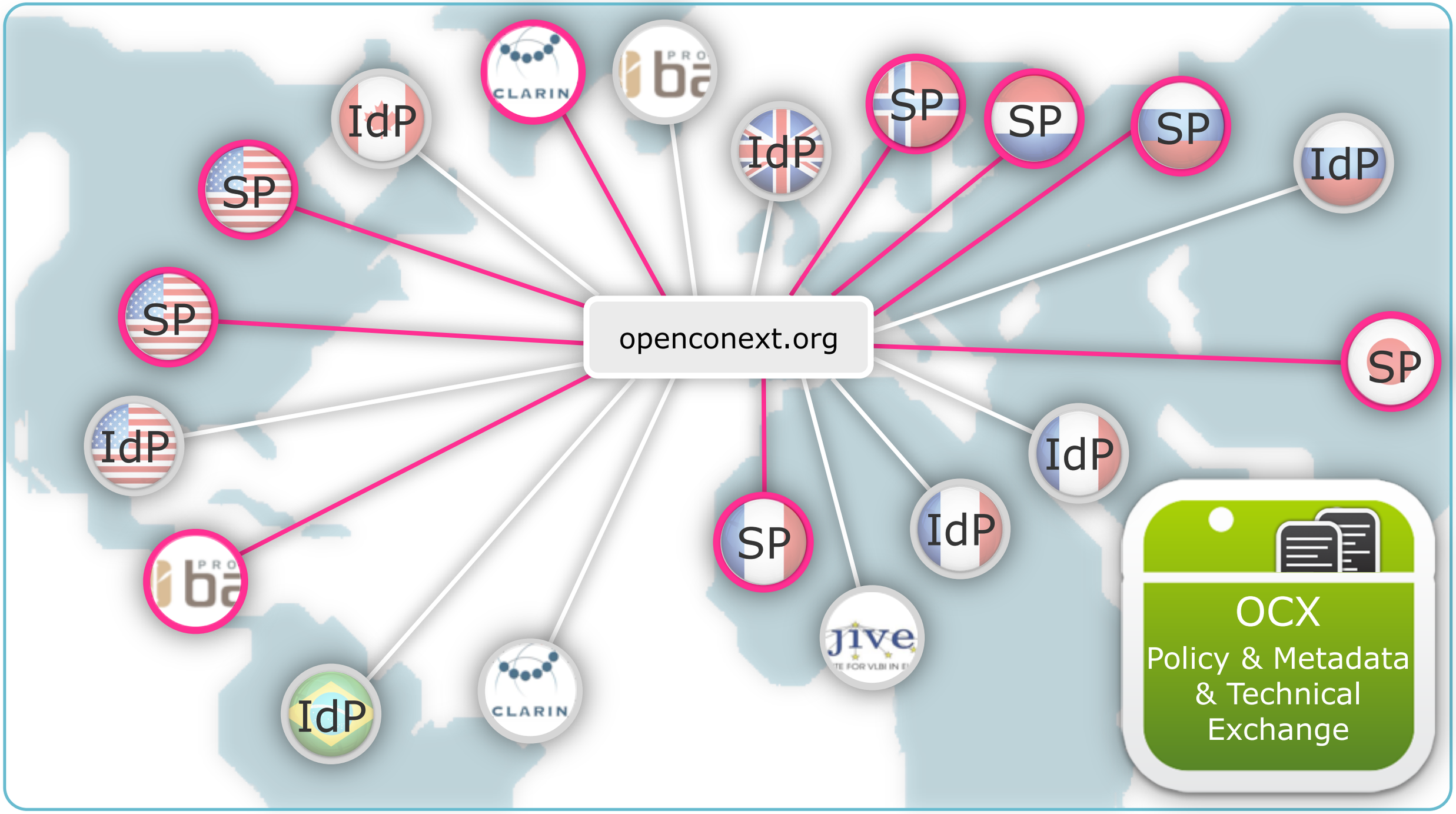
OCX
Policy & Metadata
& Technical
Exchange

OCX Concept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OCX
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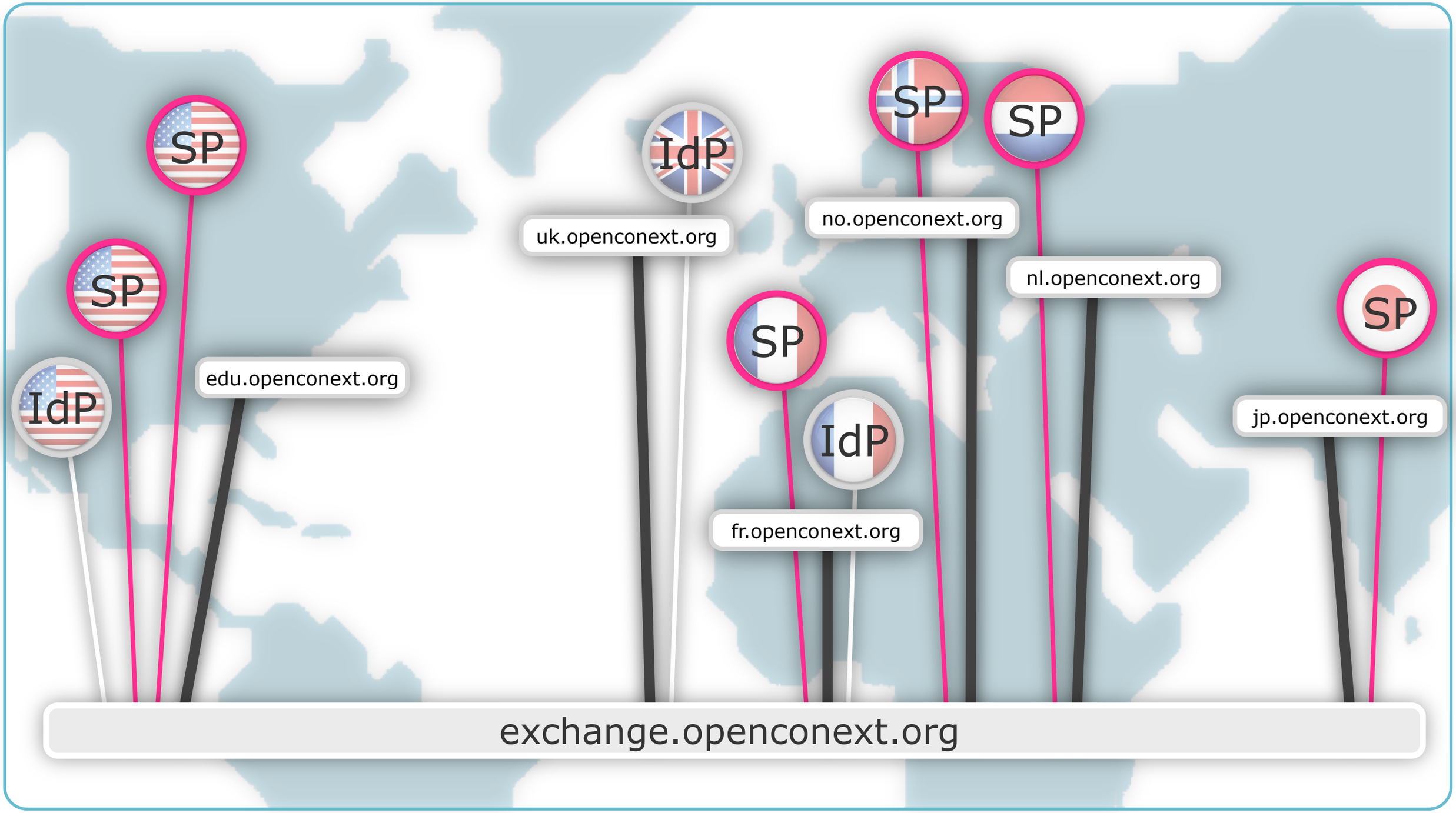
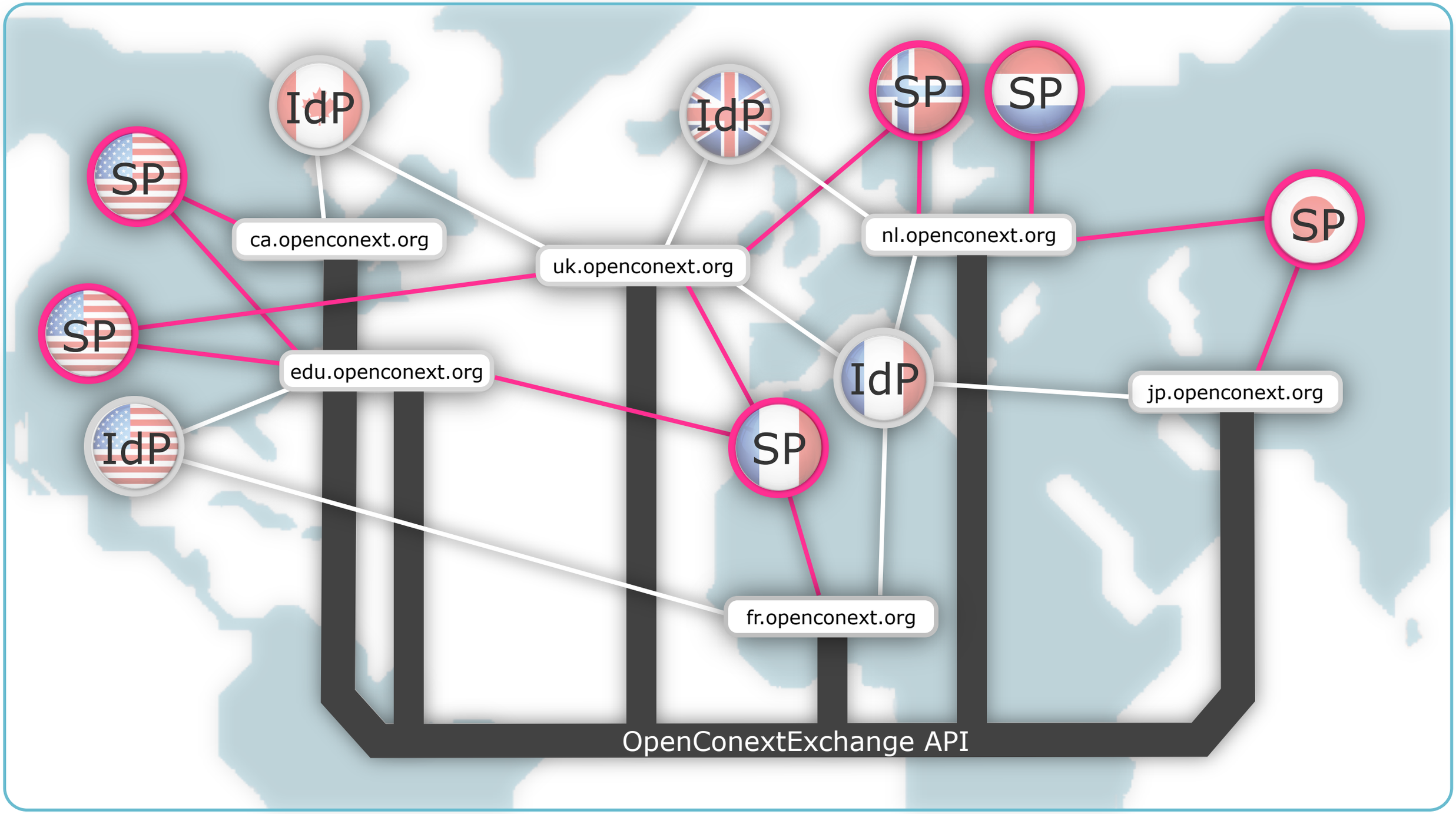
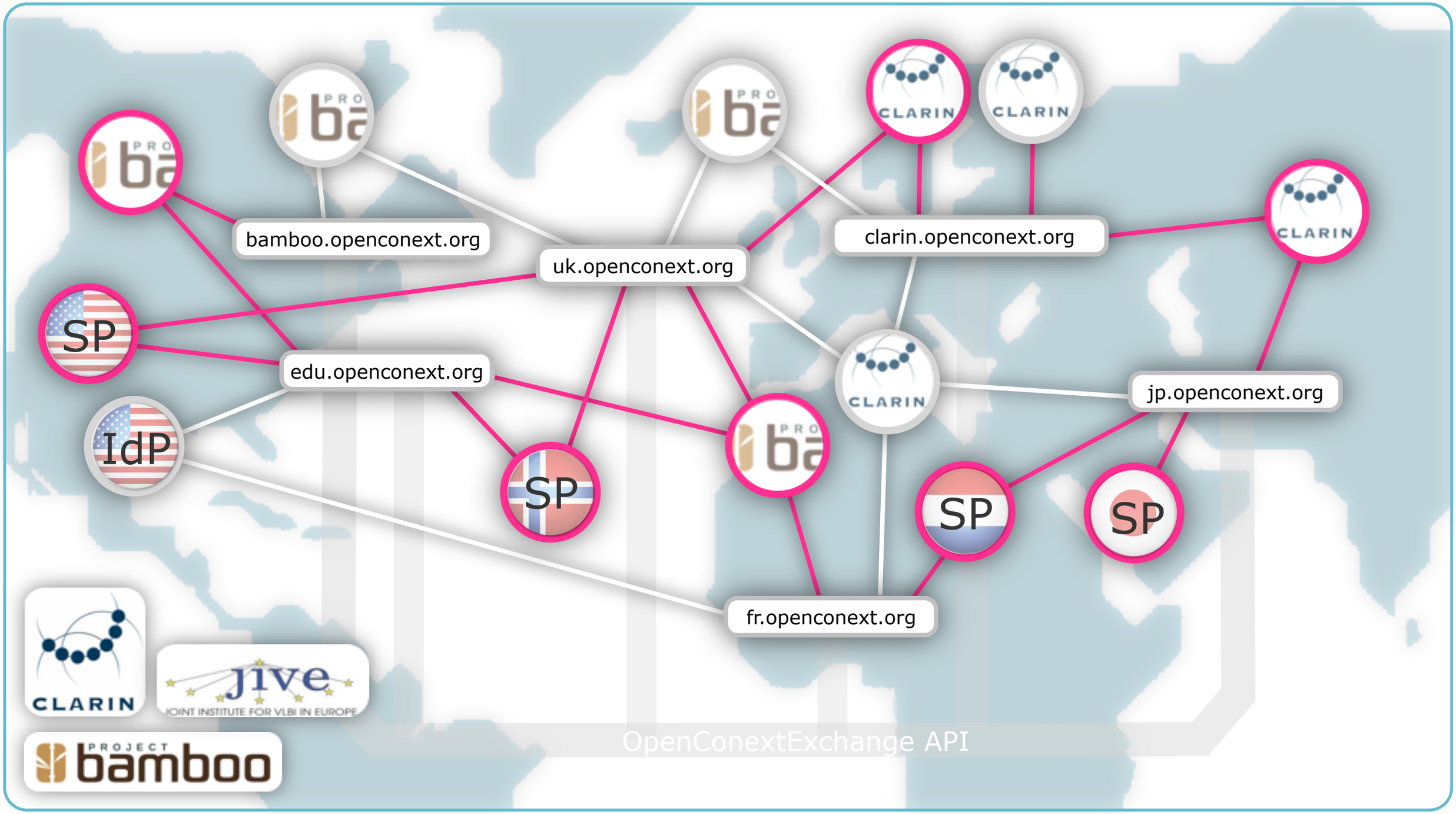
Scenarios — Distributed Exchange



Scenarios — Multiple Exchanges (1)



Scenarios — Multiple Exchanges (2)



Challenges

- Again, it is all about trust and its balance with usability
- For individual SP-IdP cases the eduGAIN policies might require strengthening with bi-laterals which might lead to policy creep
- Stepping stone for SPs, but how to get the international VOs involved
- Hierarchy of trust and policies
- Next steps — we would like to invite NRENs to work out both OCX scenarios
  - Organizational
  - Technical
  - Legal / policy wise

WHAT SURF CAN DO

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