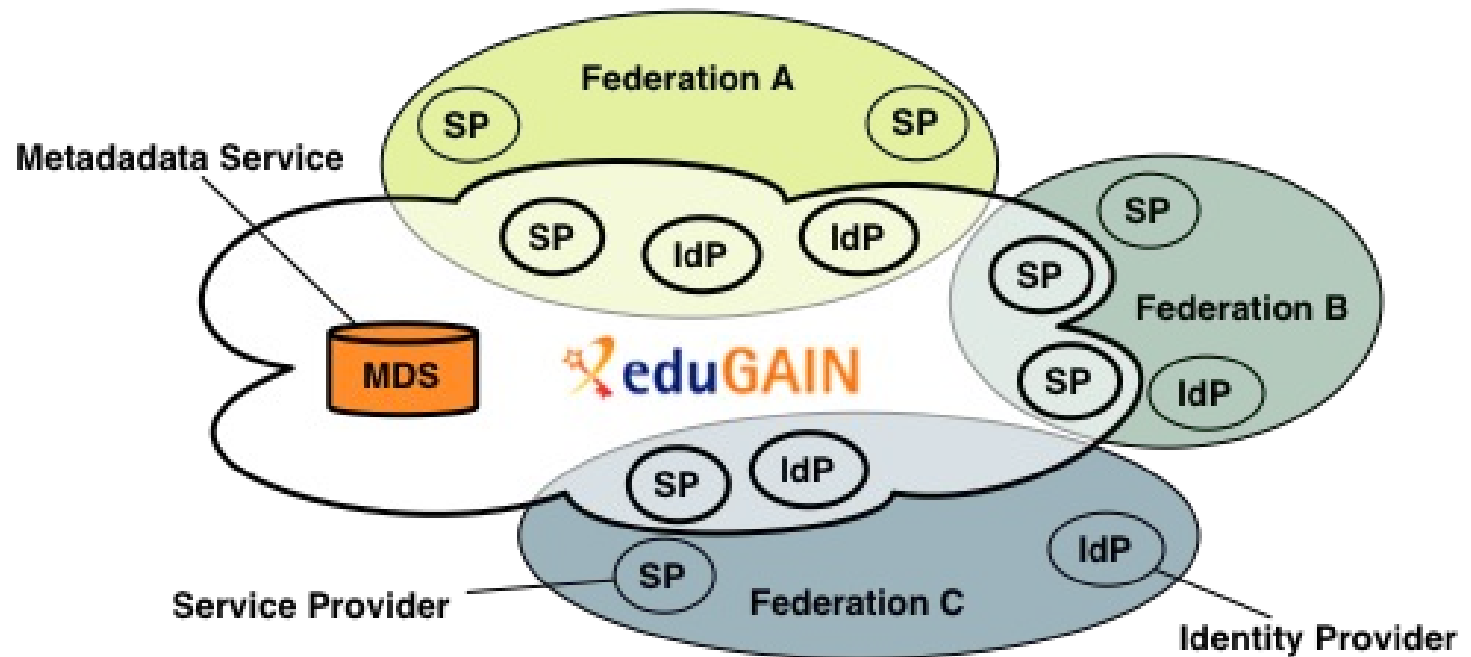
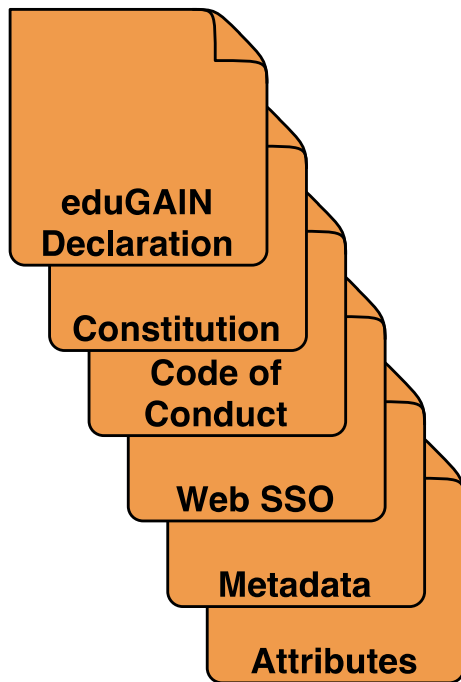


Interfederation eduGAIN

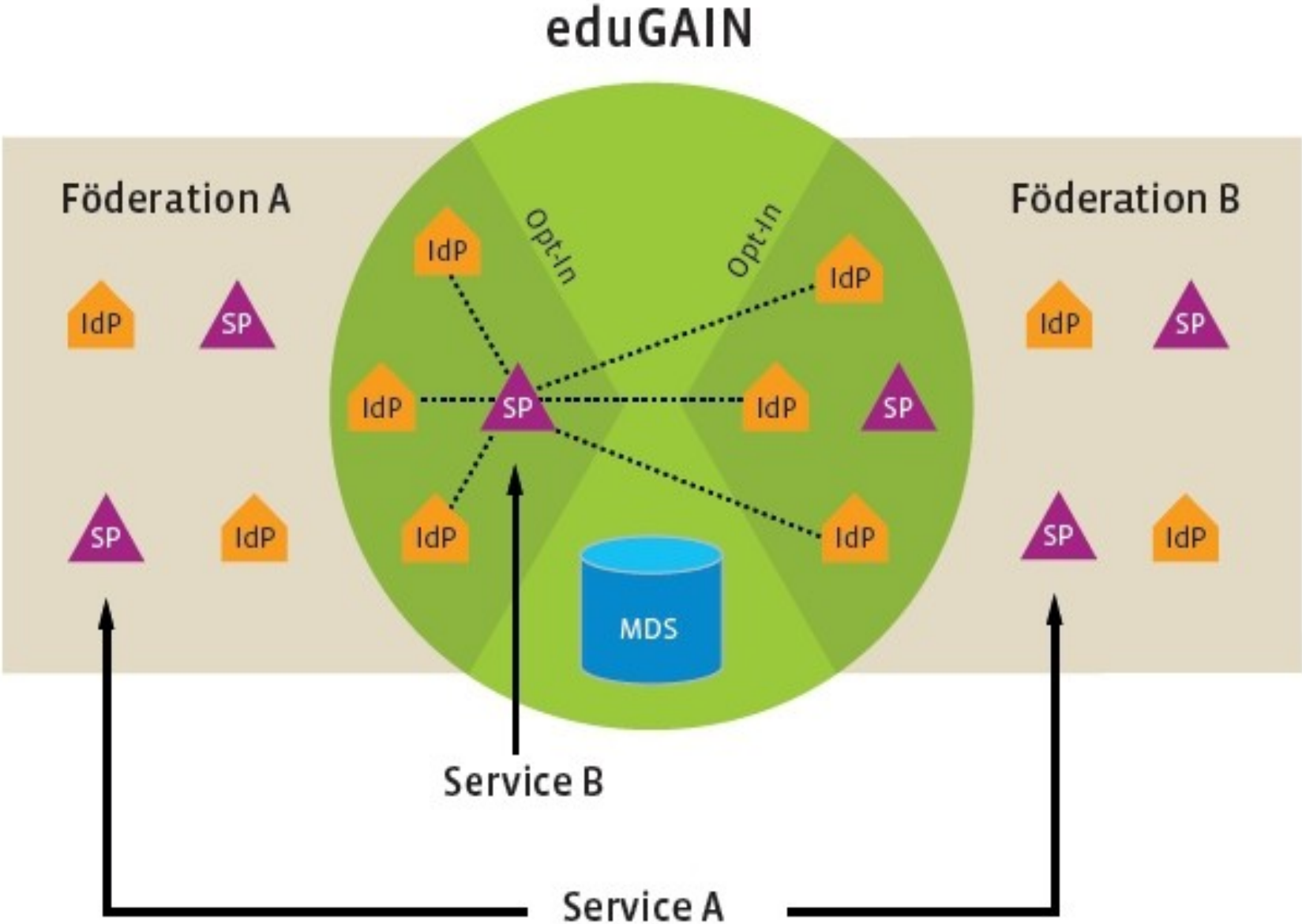
Wolfgang Pempe, DFN-Verein
pempe@dfn.de

DFN-AAI IdP-Workshop,
24./25. Juni 2015, HS Amberg-Weiden

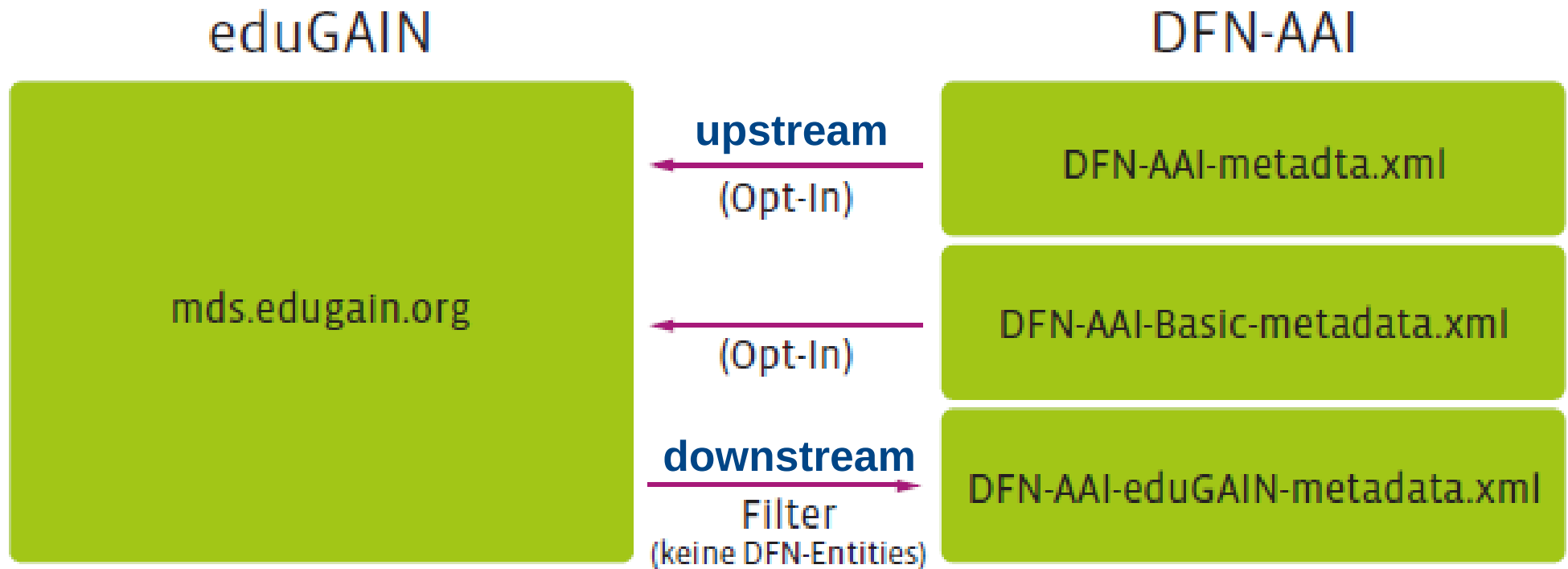


Quelle: Lukas Hämmerle (SWITCH)

- eduGAIN provides policy framework and standards to build trust
- SPs and IdPs of participating federations should opt-in for eduGAIN
- MDS fetches, aggregates and republishes metadata
- **Beteiligung DFN: GÉANT4, SA5 Task5, "Enabling Users"**



Metadaten-Management



1. IdP zu den Upstream Metadaten hinzufügen (→ eduGAIN MDS)

Föderationen				
Typ	Aktivierung	Name	Status	Kommentar
Produktion: DFN-AAI	<input type="radio"/>	DFN-AAI	zugelassen	
	<input type="radio"/>	DFN-AAI-Basic		
	<input type="radio"/>	keine		
	<input checked="" type="checkbox"/>	lokale Metadaten		
Produktion: Interföderation	<input checked="" type="checkbox"/>	eduGAIN	zugelassen	
Test	<input type="checkbox"/>	DFN-AAI-Test		

2. MetadataProvider für Downstream Metadaten konfigurieren (relying-party.xml)

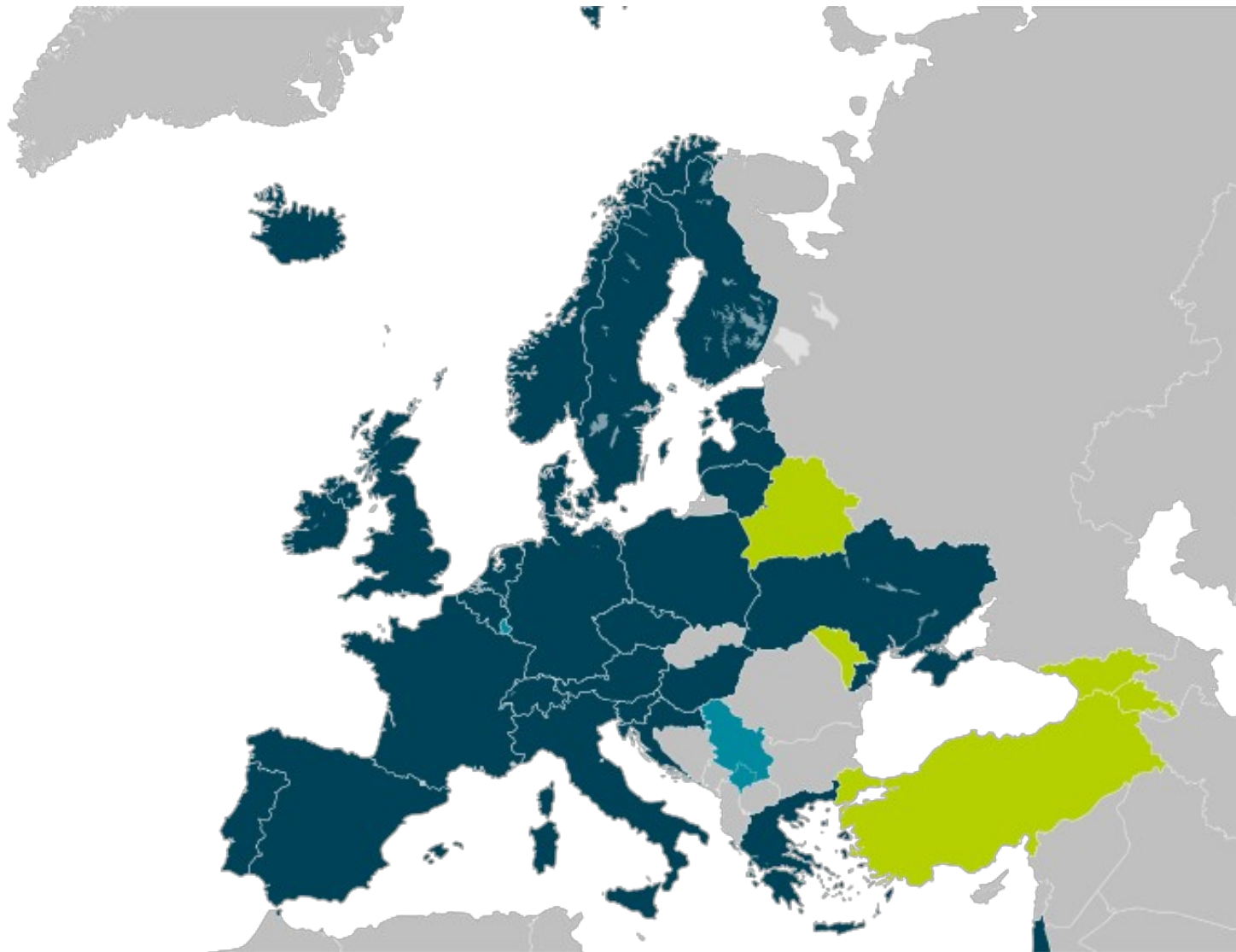
```
wolfgang@idphost1: ~  
wolfgang@idphost1: ~ 123x18  
  
<!-- eduGAIN (bereinigt um Entities aus der DFN-AAI) -->  
  
<metadata:MetadataProvider id="URLMD-DFN-AAI-eduGAIN" xsi:type="metadata:FileBackedHTTPMetadataProvider"  
  metadataURL="https://www.aai.dfn.de/fileadmin/metadata/DFN-AAI-eduGAIN+sp-metadata.xml"  
  backingFile="/opt/shibboleth-idp/idp.dfn.de/metadata/DFN-AAI-eduGAIN-metadata-backingFile.xml"  
  maxRefreshDelay="PT1H">  
  <metadata:MetadataFilter xsi:type="metadata:ChainingFilter">  
    <metadata:MetadataFilter xsi:type="metadata:RequiredValidUntil"  
      maxValidityInterval="P7D" />  
    <metadata:MetadataFilter xsi:type="metadata:SignatureValidation"  
      trustEngineRef="shibboleth.MetadataTrustEngine"  
      requireSignedMetadata="true" />  
    <metadata:MetadataFilter xsi:type="metadata:EntityRoleWhiteList">  
      <metadata:RetainedRole>samlmd:SPSSODescriptor</metadata:RetainedRole>  
    </metadata:MetadataFilter>  
  </metadata:MetadataFilter>  
</metadata:MetadataProvider>
```

- April 2011: Official start of eduGAIN
- Nov 2013: 21 Federations are members (50%, 5 joining)
- April 2014: 24 Federations are members (51%, 6 joining)
- June 2015: 33 Federations are members (58%, 8 joining, 4 candidates)
- Entities: 1285 IdPs, 961 Sps (2244 in total)
- One IdP can represent for dozens of organisations and services depending on federation architecture => actual numbers are higher
- Whole (academic) SAML landscape:
 - 56 Federations, 3007 IdPs, 6514 SPs (gathered from metadata)
 - Not all of them need to be interfederated, e.g. many internal Sps

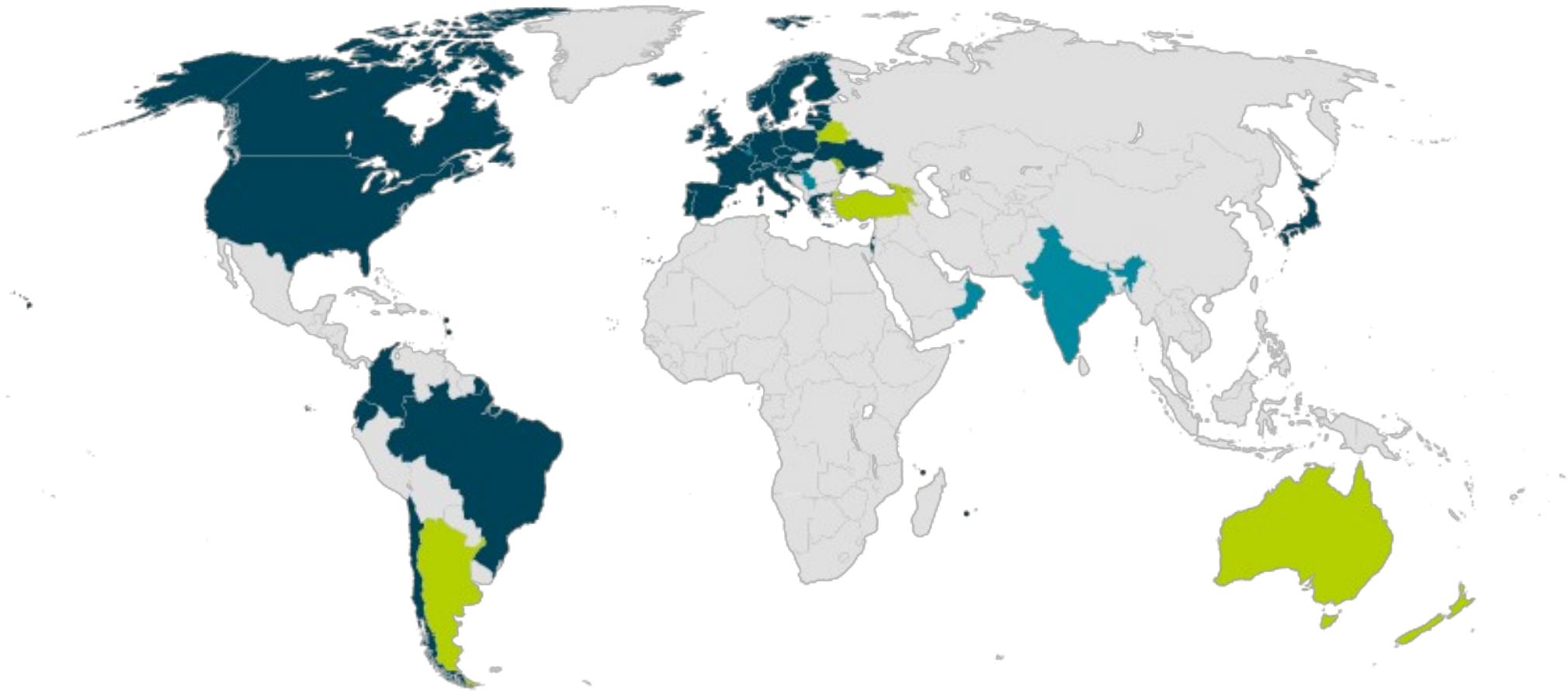
Quelle: Brook Schofield, GÉANT

<https://refeds.org/wp-content/uploads/2015/06/eduGAIN-Update-REFEDS-20150614-small.pdf>

- **Aktueller Status unter <https://technical.edugain.org/status.php>**



Quelle: Brook Schofield (GÉANT)



- 33 eduGAIN Members
- 8 Joining eduGAIN
- 4 Candidate Federations

Quelle: Brook Schofield (GÉANT)

