

# TAC Interfederation Subgroup

<https://spaces.internet2.edu/display/incinterfed>

# Mission

- Promote and pursue interfederation between the InCommon Federation and other SAML federations via a community-based process
- Both policy and technical aspects are in scope

# We need your input!

- I'll be asking for your input today via chat
- Info on group mailing list, phone calls, etc., at <https://spaces.internet2.edu/display/incinterfed>

# What is interfederation?

1. An IdP and SP in separate federations sharing metadata directly with each other
2. An IdP or SP joining multiple federations and loading metadata from multiple federations
3. An IdP or SP joining one (local/home) federation and transparently working with IdPs/SPs in other federations
  - Local/Home federation provides the metadata
4. Hierarchical / Tiered federation models (state/national/international)
  - example: eduGAIN

*How do you define interfederation?*

# Interfederation Challenges

- Policies and procedures for
  - Federation membership
  - SAML metadata exchange
  - Attribute release

*What do you see as major hurdles for interfederation?*

# Example Use Case

**LIGO** (an InCommon Federation member) seeks to enable federated access to LIGO operated service providers including wikis, document catalogs, event databases, and data investigation tools for LIGO collaborators from **across five continents**, including collaborators from interferometric gravitational wave experiments and organizations including the **European Gravitational Observatory (EGO)**, responsible for the computing and networking for the **Virgo** (French and Italian) interferometer experiment, and **KAGRA** (Japan).

# Interfederation Use Cases

- International research collaborations
- Online university course enrollment by foreign students
- Campus federations
- University system federations
- K-12
- Community colleges

*What interfederation use cases are important to you?*

# International Interfederation

- Federations with LIGO collaborators include:
  - Australian Access Federation (AAF)
  - Canadian Access Federation (CAF)
  - DFN-AAI (Germany)
  - Fédération Éducation-Recherche (France)
  - eduID.hu (Hungary)
  - IDEM (Italy)
  - GakuNin (Japan)
  - SURFnet (Netherlands)
  - UK Access Management Federation for Education and Research
  - INFED (India)

*Which national federations do you need to interfederate with?*



# Interfederation Relationships

- [refeds.org](http://refeds.org) – forum for interfederation discussions
- [edugain.org](http://edugain.org) – interfederation service
- other federations, including:
  - UK Access Management Federation (Ian Young)
    - <http://www.ukfederation.org.uk/content/Documents/InterfederationTrialFAQ>
    - <http://iay.org.uk/blog/2012/08/uk-federation-metadata-aggregation>
  - University of Texas System Federation (Paul Caskey)
  - K-12 federations enabled by regional networks (Mark Scheible)
    - <http://www.thequilt.net/index.php/events/246-2013-quilt-incommon>
  - INFED (<http://parichay.inflibnet.ac.in/>)
    - LIGO collaboration (Scott Koranda)

# To participate, visit:

<https://spaces.internet2.edu/display/incinterfed>

- Weekly calls Tuesday noon Central Time
- Join the [interfed@incommon.org](mailto:interfed@incommon.org) email list

All are welcome!