

# ISGC 2024 Security Day

## eduGAIN security Table Top Exercise (TTX)

Sven Gabriel

Nikhef/EGI CSIRT

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# Agenda

- ▶ Intro to eduGAIN (M. Kremers)
- ▶ SIRTFI v1,2 (D. Kelsey)
- ▶ eduGAIN CSIRT (Sven Gabriel)
- ▶ Incident Response in eduGAIN (S. Gabriel)
- ▶ eduGAIN TTX (S. Gabriel, D. Groep, M, Kremers, D. Kelsey)
- ▶ lunchbreak
- ▶ Capture The Flag (CTF) in SSC 23.03 (S.Gabriel)
- ▶ Forensics 101 in context of the CTF (D. Groep)
- ▶ CTF, solve the riddles :-)

## Intro to eduGAIN (M. Kremers)

## SIRTFI v1,2 (D. Kelsey)

## Incident Response in eduGAIN (S. Gabriel)

## eduGAIN security: Task/Problem

Task: Build a security team for eduGAIN (Parts of this was presented 2020 at a Gèant meeting in Ljubljana)

# Approach: security in eduGAIN

- ▶ Organization
  - ▶ What is the organizational structure (see previous talks), Governance, Responsibility Accountability.
  - ▶ What are the existing policies, agreements etc.
- ▶ Options
  - ▶ Set up trust network. **Trust is in individuals.**
  - ▶ Formally set up a security team ( ▶ CRFC 2350 , ▶ TOR , mandate, services, ...etc.). **Trust is in Organizations/Processes.**

# Organizational, Governance, Policies

## eduGAIN Policy Framework Constitution:

- ▶ 2 Governance and Governing Bodies
- ▶ 2.1 eduGAIN Executive Committee (eEC), *Decisions about possible changes to the constitution are taken here*
- ▶ 2.2 eduGAIN Steering Group (eSG) ▶ Committee *Reviewing and approving the membership of new Federations, Approving the disqualification or temporary suspension for Member Federations as described in section 3.6*
- ▶ 2.3 Operational Team (OT)



# Constituency

## eduGAIN Policy Framework ▶ Constitution

### 1.2 Goal

The goal of eduGAIN is to support Identity Federations primarily engaged in research and education by providing a service which enables them to inter-federate.

eduGAIN entities: 5801 (IdPs 3174, SPs 2625 + 4 Standalone AAS) organised in 68 participants (Federations).

Primary Asset: Service which enables federations to inter-federate.

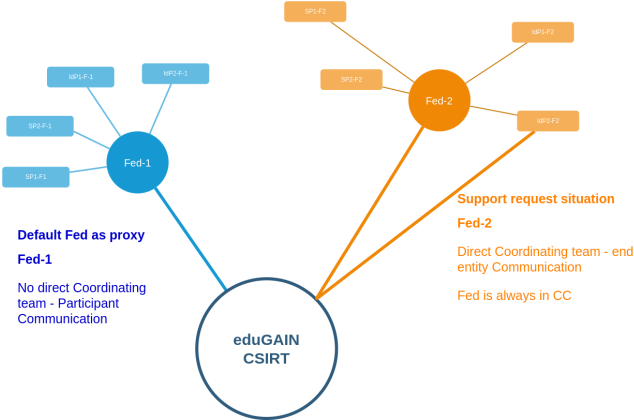
# Role, Functions of the Security Team

- ▶ Role: Advisory only.
- ▶ Coordination function: *The eduGAIN-CSIRT provides computer security incident response coordination for eduGAIN.*
- ▶ It serves as the primary contact point for all security related issues affecting eduGAIN and more specifically for all the security issues affecting multiple entities from different Federations.

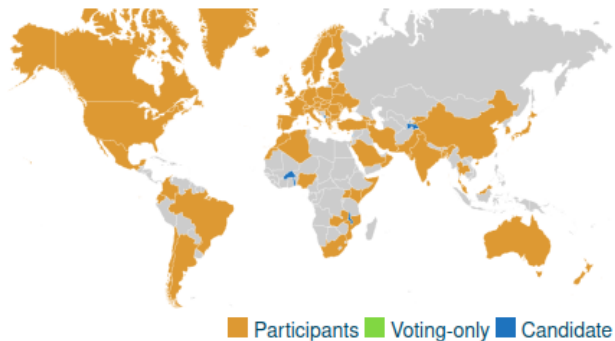
# eduGAIN CSIRT, provided Services

- ▶ eduGAIN CSIRT listed (Feb. 2024) team in TF-CSIRTs
  - ▶ TI-Directory
- ▶ Support in Development of an [Incident Response Procedure](#)
- ▶ IR procedure describes Roles and Responsibilities of *Federation Operators, IdPs, SPs*
- ▶ Technical IR support for IdP, SP operators with a focus on federation software. (Find relevant info in logs, act on identities, key-roleover etc)
- ▶ Support in Incident Triaging, Incident Coordination, Incident Resolution.

# Coordination function depends on operational Communications Infra

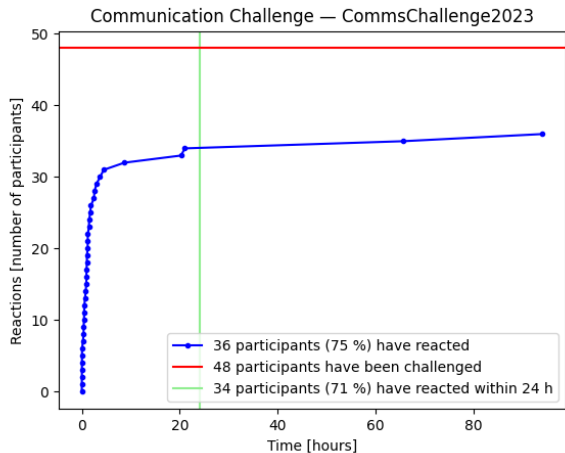


# Testing the Communications Infra



79 participants, only sirtfi'd challenged (48), next slide

# Testing the Communications Infra



## Key elements from IR Handbook, relevant for the TTX

- ▶ Roles and responsibilities for IdP, SP operators. Federation Operators and eduGAIN CIRT.
- ▶ Description of the communication flow.
- ▶ For each role an Incident Response checklist is provided.
- ▶ For the rest, ...just read it, Its just 7 pages :-)