FIM Workshop

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# Bridging Gaps

# Me

- ➢ Joined TERENA 10 years ago

- ➢ REFEDS Coordinator

- ➢ Activity Leader for GN3 Multi-Domain User Application Research (JRA3)

# AAA Study

# Goals of the Study

**Evaluate the feasibility to deliver an integrated AA(A)I to help the emergence of a robust platform for access and preservation of scientific information (SDI).**

**Provide recommendations to inform a EU strategy to deliver an SDI to enable access to a variety of datasets for the scientific community and the public at large.**

# In Scope

- Feasibility to harmonize existing AAIs

- Researchers requirements on data sharing, usage, access

- Technology drivers

- Obstacles and legal issues to deliver an integrated AA(A)I

# Not In Scope

- Technical design of the integrated AA(A)I

- Digital identifiers

- Evaluation on Linked Data/open access

- Writing and academic paper

# Partners and Experts

➢ Partners:

- ✧ TERENA (Licia Florio coordinator)
- ✧ UvA (Yuri Demchenko)
- ✧ LIBER (Susan Reilly)
- ✧ DEENK (Univ. Debrecen)

➢ Experts:

- ✧ Klaas Wierenga (Cisco Systems, Mobility expert)
- ✧ Diego Lopez (Telefonica I+D)
- ✧ Nicole Harris (JISC Advance, FIM expert)
- ✧ Torbjorn Wiberg (Univ Umeä, eIRG member)
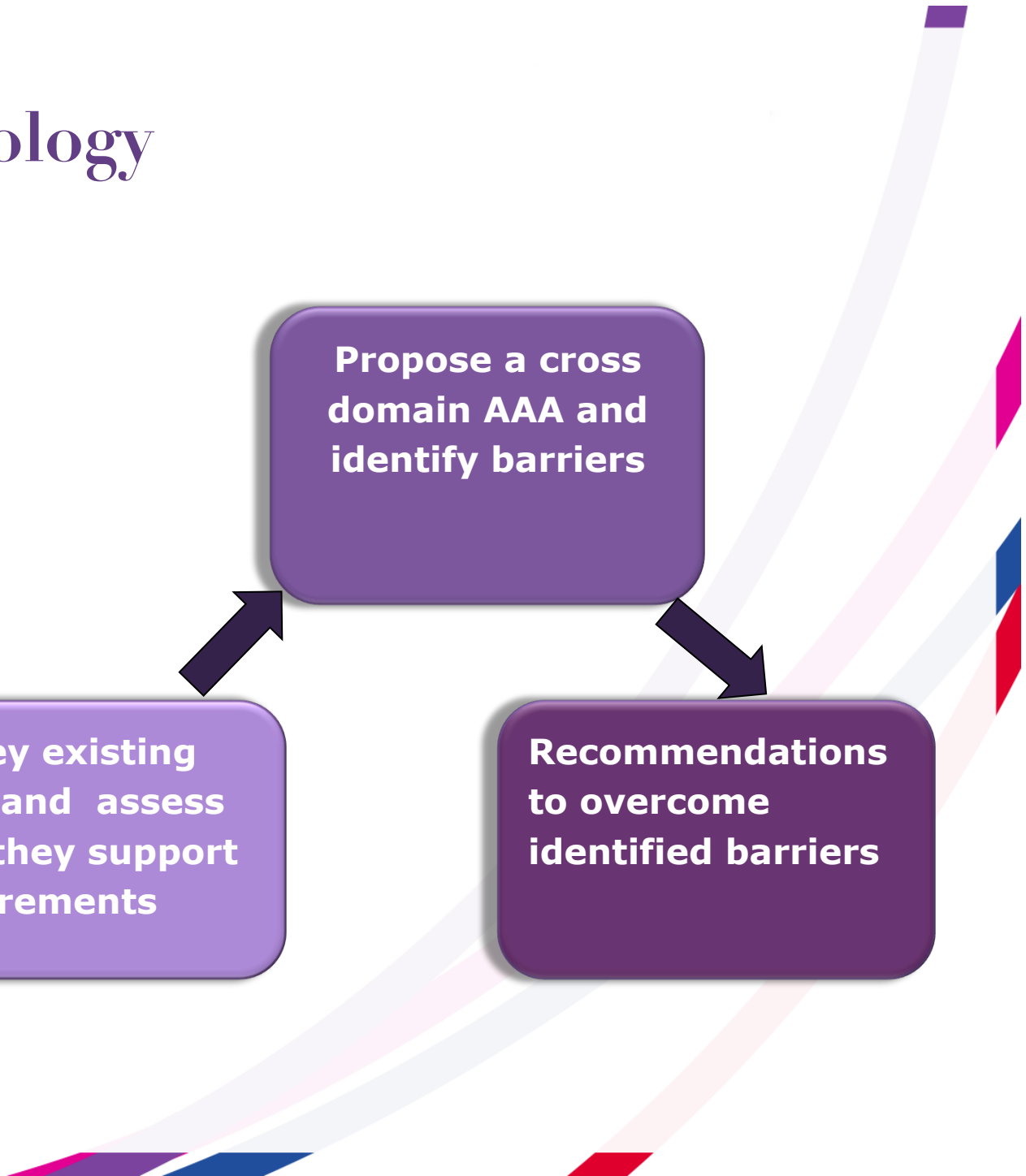- ✧ Andrew Cormack (JANET, Data Protection expert)

# Methodology

**Gather use-cases to form an understanding on AAA requirements for SDI**

**Survey existing AAIs and assess how they support requirements**

**Propose a cross domain AAA and identify barriers**

**Recommendations to overcome identified barriers**

# Some Requirements

➢ Strong requirements for federated access but:

  ❖ Support for non-Web resources needed

  ❖ Support for multiple affiliation needed

  ❖ Support for external Attribute Authorities needed

  ❖ Support for inter-federation needed

➢ Support for different LoAs

➢ Usage of persistent globally unique identifiers:

  ❖ While addressing privacy issues

  ❖ Creating unique identifier systems for researchers is hard

➢ Privacy: personal data handled according to laws

➢ Demand for trusted data storage and computing facilities

# The View

- ➢ Existing AAIs satisfy their users' needs
- ➢ There are no AAIs that satisfy all user requirements
- ➢ The existing AAIs have a significant installed base
- ➢ Harmonization of existing infrastructures should be pursued

# Draft Recommendations

➢ Technical:

➢ Main goal: take steps to lower the adoption threshold for new users and providers

- ✧ Use open standards and collaborate to the development of new standard for new frontiers (i.e. ABFAB)

- ✧ Support integration of different identity technologies

- ✧ Extend existing models for network resources and applications access control to make them data centric (IPR, licenses , etc)

- ✧ Support decentralized attribute management

# Draft Recommendations

➢ Legal:

◇ Avoid Member State interpretation of the law by providing clear guidelines to implement the European directives;

◇ Exchanging attributes between countries is essential to deliver international services: EC laws should be coordinated and should take into account existing infrastructure needs.

◇ Any future review of the provisions for export of personal data should support the requirements of international e-Research.

# Draft Recommendations

➢ Stakeholders:

  ✧ EC funding should be aimed to develop and enhance research convergence of e-Infrastructures;

  ✧National federations should offer uniform coverage for the different user-communities

  ✧ Communication among different groups (EC, REFEDS, IGTF, ESFRI, libraries and policy maker…) should be improved

# Next Steps

- ➢ Final report available in about 2 weeks
  - ✧ Comments will be welcome

- ➢ Final workshop on 12 July in Brussels
  - ✧ Still a few seats available

https://confluence.terena.org/display/aaastudy/AAA+Study+Home+Page

# The Proposal

# The Scenario
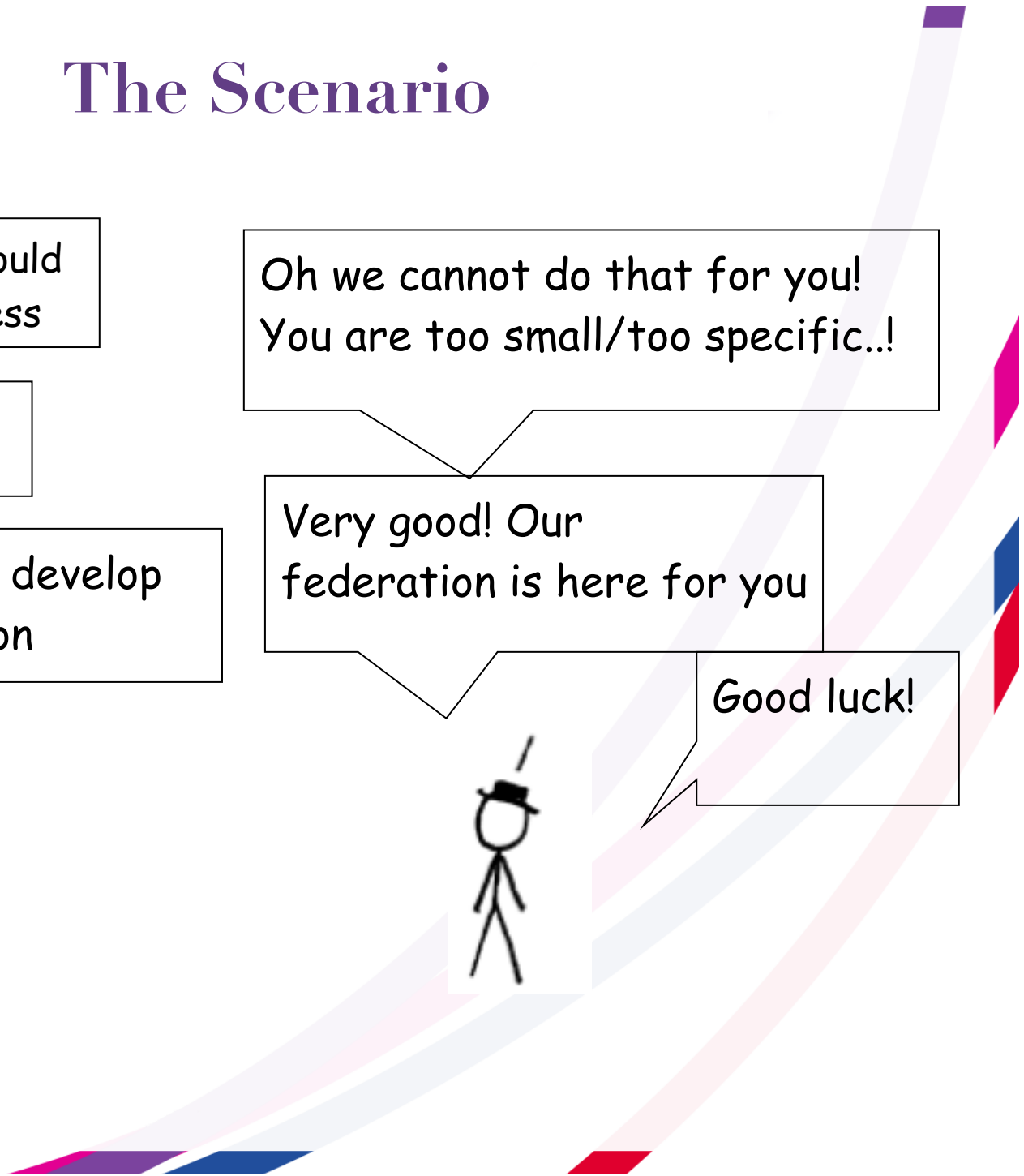
# The Infrastructures

**ID FEDs**

Mainly for national SSO

Support fine-grained AuthZ

Work well for Web apps

**eScience**

Typical inter-fed use-cases

Requirement for strong AuthN (LoA)

Can we leverage these two infrastructures?

# REFEDS' View

➢ REFEDS together with eduGAIN will provide an answer to the FIM paper:

◇ Some of the issues perceived issues

➢ Going one step further:

◇ Create a roadmap to address the issues

◇ Establish a WG with reps from the eScience to work towards the roadmap

◇ Carry out the work as a joint effort REFEDS, eduGAIN, ESFRI

# Thoughts

➢ Would you like to engage?

➢ Can you allocated some manpower?

➢ Are you aware this will not be a typical customer-provider relationship?

    ✧ It will be a partnership

➢ There may reasons for your requirements to be revisited:

    ✧ Would you be willing to do that?