

# **Beyond AARC**

EnCo global engagement activities and the AARC-community.org

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# Nikhef

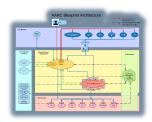
EUGridPMA46, EnCo, EOSCH-ISM, AARC 20-22 May, 2019

# The AARC 'legacy' – the AARC community



### **Architecture**

- Blueprint BPA and the Proxy gudelines
- Application Integration
- AEGIS and a lively FIM4R



# Alignment with & between range of policy development groups dedicated to interoperation

- WISE-community
- IGTF
- REFEDS
- FIM4R
- GN4 EnCo eSGE
- EOSCH-ISM



WISE-community





FIM4R



Collaboration EOSCH-GN4

national, domain and community groups

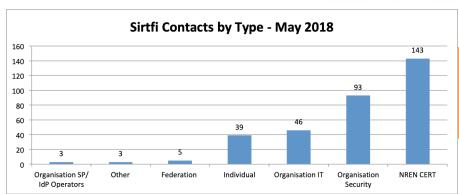
# So much to do, so few people, ...



- Sirtfi & the Registry
- Communications Challenges
- Attribute Authority operations
- SCI evolution and its assessment to support trust
- Acceptable Use Policy
- Assurance profiles: adoption & suitability in high-risk cases
- Policy Development Kit evolution
- Data Protection guidance for global research collaboration

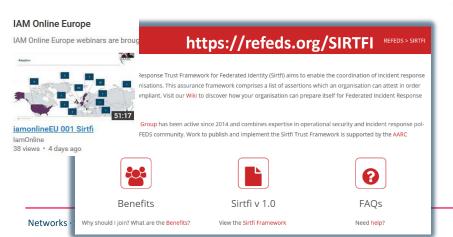
# Sirtfi is there today – 561 parties (406 IdPs) joined, in 28 federations





## **Incident Response**

- Assure confidentiality of information exchanged
- Identify trusted contacts
- Guarantee a response during collaboration



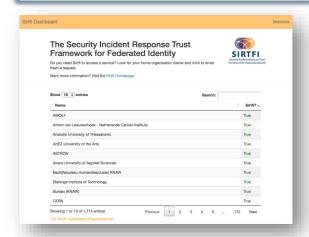


# **Promoting Sirtfi: through REFEDS and communities**



# Sirtfi 'encouragement'

- the tool certainly raises attention ©
- lack-of-Sirtfi (and R&S) is non-trivial to diagnose – other causes may interfere



https://sirtfi.cern.ch/

# Sirtfi+ registry

- · enabling more entities to express Sirtfi
- allow sharing of implicit trust between communities?
- tool requirements (lead by Laura et al.)

# **Incident Response procedures for R&E Fed**

- AARC-I051 white paper guidance (based on challenges)
- Good resource: SANS Incident Handlers Handbook
  - Refer to SANS incident handling notes for a check on how our proposed preparations stack up against the SANS recommendation.
  - What should be added?
  - What should be removed?
  - What should be altered? Make comments/edits in the doc.
- handbook approach to the IR in R&E Feds

# **Testing incident response coordination**

WISE Community: Security Communication Challenges Coordination WG (SCCC-WG)

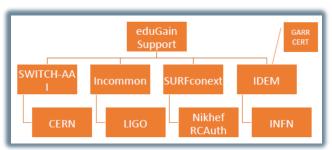


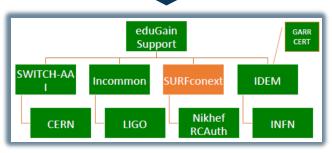
AARC

Maintaining trust between different infrastructures and domains depends largely on predictable responses by all parties involved. Many frameworks – e.g. SCI and Sirtfi – and groups such as the pordinated e-Infrastructures, the IGTF, and REFEDS, all promote mechanisms to publish security contact information, and have either explicit or implicit expectations on their remit, responsivenes

- Can we coordinate our collective R&E response?
- Communication guidelines to help timely resolution?
- Two 'challenges': March 2018 and December 2018







parties involved in response challenge

Report-outs see https://wiki.geant.org/display/AARC/Sirtfi+Communications+Challenges%2C+AARC2-TNA3.1





# WISE Community: Security Communication Challenges Coordination WG (SCCC-WG)

# Introduction and background

Maintaining trust between different infrastructures and domains depends largely on predictable responses by all parties involved. Many frameworks – e.g. SCI and Sirtfi – and groups such as the coordinated e-Infrastructures, the IGTF, and REFEDS, all promote mechanisms to publish security contact information, and have either explicit or implicit expectations on their remit, responsiveness, and level of confidentiality maintained. However, it is a well-recognised fact that data that is not

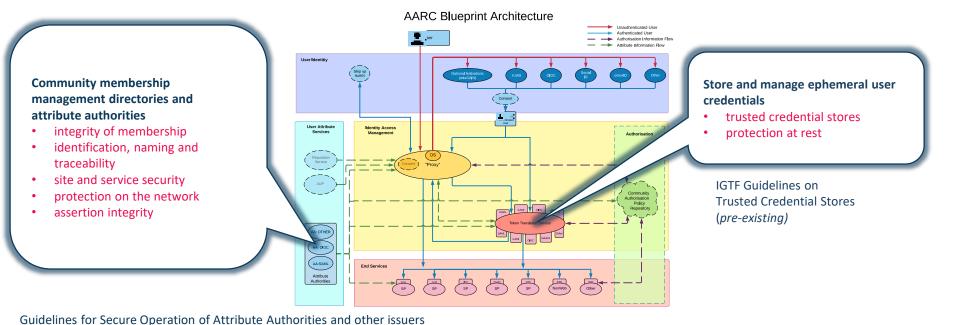
# Operational security focus in the BPA: beyond just the IdPs

of access-granting statements

(AARC-1048, in collaboration with IGTF AAOPS)







# AARC-G048: keeping users & communities protected, moving across models GÉAN



trusted delegation of response from communities to operators, and from services to communities in recognizing their assertions

Structured around concept of "AA Operators",

operating "Attribute Authorities" (technological entities),

on behalf of, one or more, Communities









 Assertions provided by an AA must be integrity-protected. They must be signed by the identified AA, or be transmitted over an integrity-protected channel where the server has been authenticated, and preferably both.

#### Push model

Where the protocol supports it, enable protection also of the messages conveyed over the established channel.

Good examples: SAML Attribute Query should enable message signing and use TLS.

#### Pull model

As a good example: LDAP should enable TLS protection of the channel

### 3.4.1. Key Management

1. A key used to protect assertions should be dedicated to assertion protection functions.

#### **Push model**

If the AA both signs assertions and provides functionality over protected channels, the keys used to sign assertions shall be different from those protecting those channels.

#### Pull model

The key of the AA must be used solely for protecting connections to its protocol endpoint and ensure an integrity protected and mutually authenticated channel.

# **AAOPS** – engaging with the community AAIs and AASPs



usual targets to assess feasibility of the framework

- WLCG
- CheckIn
- eduTEAMS

then evolve, expand, or explain and give as guidance to all communities?

# SCI – assessment, policy development, AUP, PDK

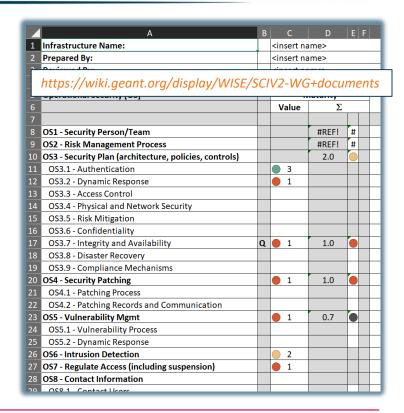


### SCIv2 paper itself discussed assessment – start it!

Level 0 .. 3 or "Justifiable exclusion"

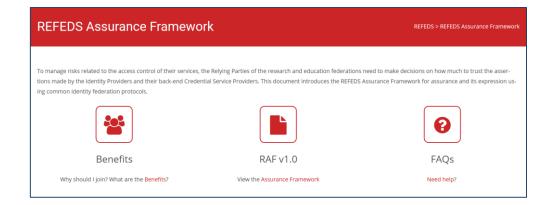
### **Policy Development Kit**

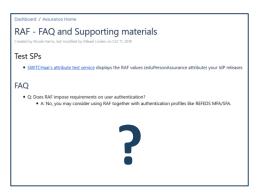




# Assurance: REFEDS RAF, RAF adoption, ...





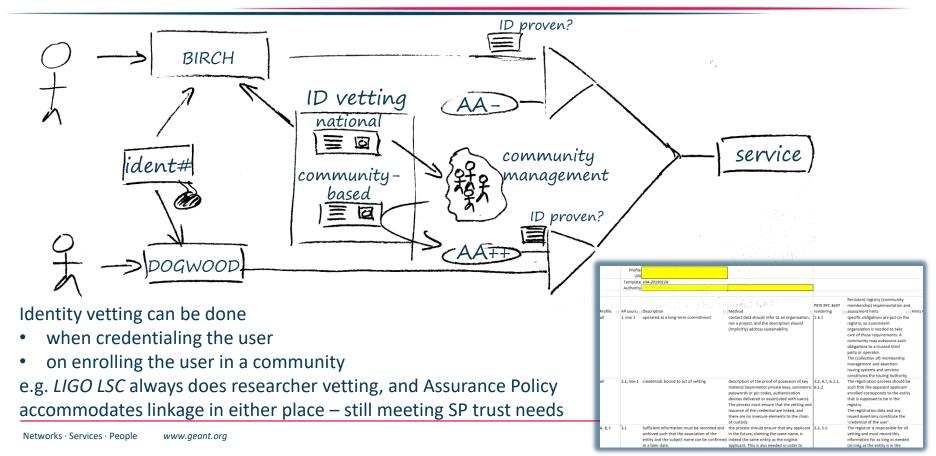


- We have the framework, we have a few good use cases (CILogon Silver, BBMRI)
- How to break the deadlock for adoption?
- More guidance, both on the IdP side (how) and SP side (why should I require, request it)?

# **Example:** Acceptable Authentication Assurance

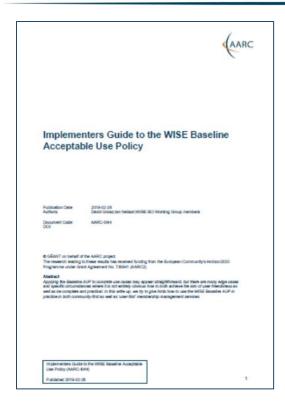


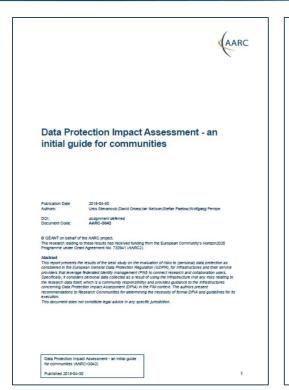


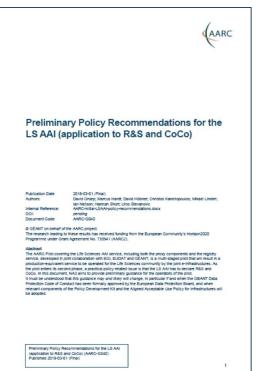


# Community guidance: GDPR, privacy notices, implementation guidance



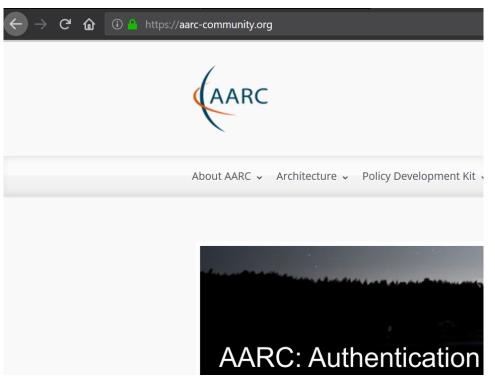






# **AARC-community.org: AARC forever!**





for now just a reverse proxy for aarc-project.eu ...

# Thank you

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