



Authentication and Authorisation for Research and Collaboration

and all that I can see is just another ... AARC TREE!

a preliminary insight in potential developments in the AARC Community

David Groep

AARC Policy Area Coordinator

Nikhef Physics Data Processing programme and UM Dept. Advanced Computing Sciences



EUGridPMA+ meeting

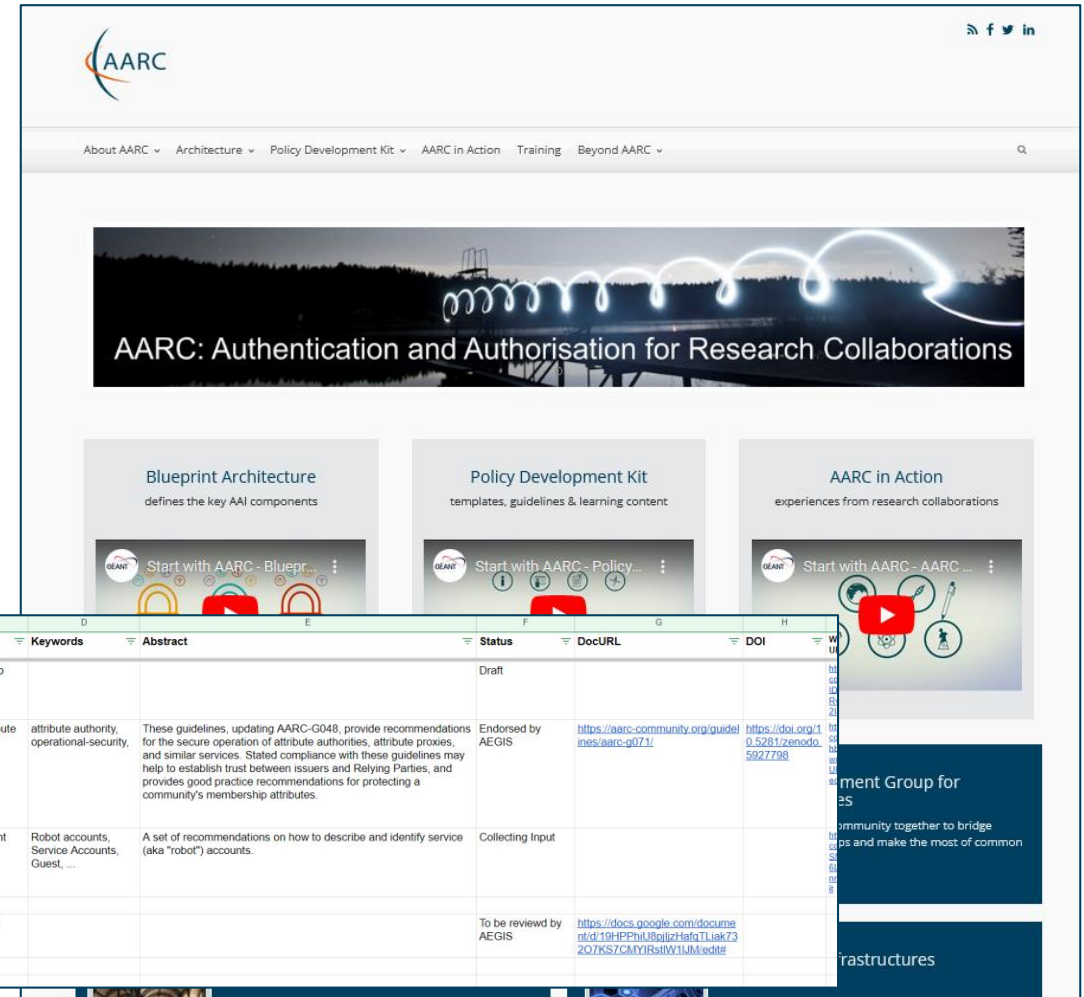
May 2023

AARC Community

Work on structuring AAI is far from over – the AARC community & ‘AEGIS’ provide a persistent framework

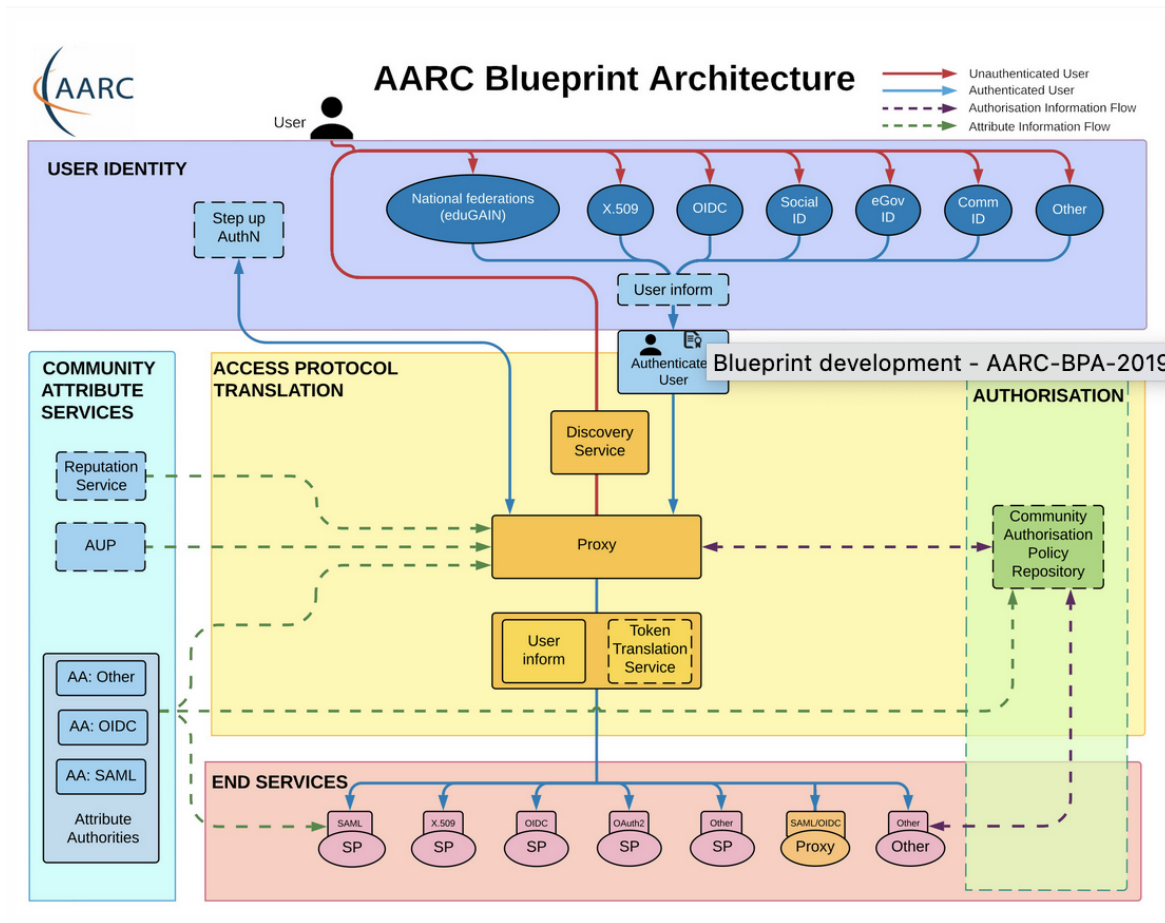
- new architecture guidelines: primary group membership, service account information, entity categories, composite BPA models
- policy development: AAOPS, trust federation ‘across proxies’ (SNCTFI), assurance information from eIDAS, mid-sized community PDK

Today supported by a range of (inter)national infrastructures and projects (like ‘EnCo’ and ‘EOSC’)



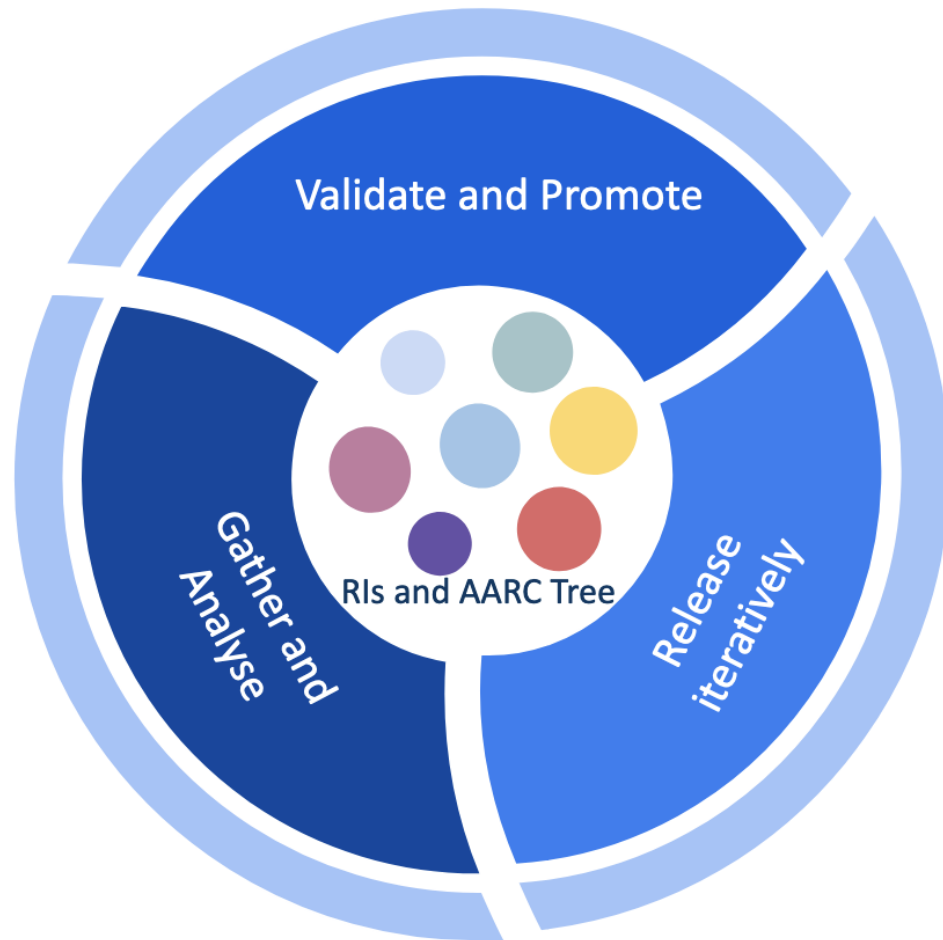
DocNum	Other Id	Title	Keywords	Abstract	Status	DocURL	DOI
AARC-G070		Expression of primary group Membership			Draft		
AARC-G071		Guidelines for Secure Operation of Attribute Authorities and other issuers of access-granting statements	attribute authority, operational-security,	These guidelines, updating AARC-G048, provide recommendations for the secure operation of attribute authorities, attribute proxies, and similar services. Stated compliance with these guidelines may help to establish trust between issuers and Relying Parties, and provides good practice recommendations for protecting a community's membership attributes.	Endorsed by AEGIS	https://aarc-community.org/guidelines/aarc-g071/	https://doi.org/10.5281/zenodo.5927798
AARC-G072		Guidelines for expressing service account information	Robot accounts, Service Accounts, Guest, ...	A set of recommendations on how to describe and identify service (aka "robot") accounts.	Collecting Input		
AARC-G079		Specification of AARC Entity Categories			To be review by AEGIS	https://docs.google.com/document/d/4194PPPhaU9qajz7sfsTLakT3207KSZCMYRstW1UJedite	
AARC-G080		AARC Blueprint Architecture 2022+					

We have the BPA, but can we do better, or more?



- increase effectiveness of the AARC Blueprint Architecture (BPA) and the policy development kit, reaching more research infrastructures?
- leverage AARC’s structuring effect to ease interoperation across thematic areas?
- demonstrate better the impact of the BPA in new communities (within and outside of EOSC)?

A proven methodology



- Provide guidance based on a broad and open community process: FIM4R, EOSC, AEGIS, WISE, REFEDS, IGTF, ApplInt, ...
- Experts gather in open, dedicated teams
- Iterative stakeholder engagement
- practical validation in use cases of the research and e-infras, e.g. through AEGIS

Who should sit under the AARC TREE ...

Research Infrastructures and e-Infrastructures, both national and international facilities

- providers of resources and services for research communities, ERICs, ESFRIs, and other (data) sources

Research Communities

- scientific communities, collaborations and individual researchers, (so including our mid-sized groups)

EU and global initiatives

- International Data Spaces Association (IDSA), GAIA-X, EU eID wallets, FIM for Research (FIM4R), &c

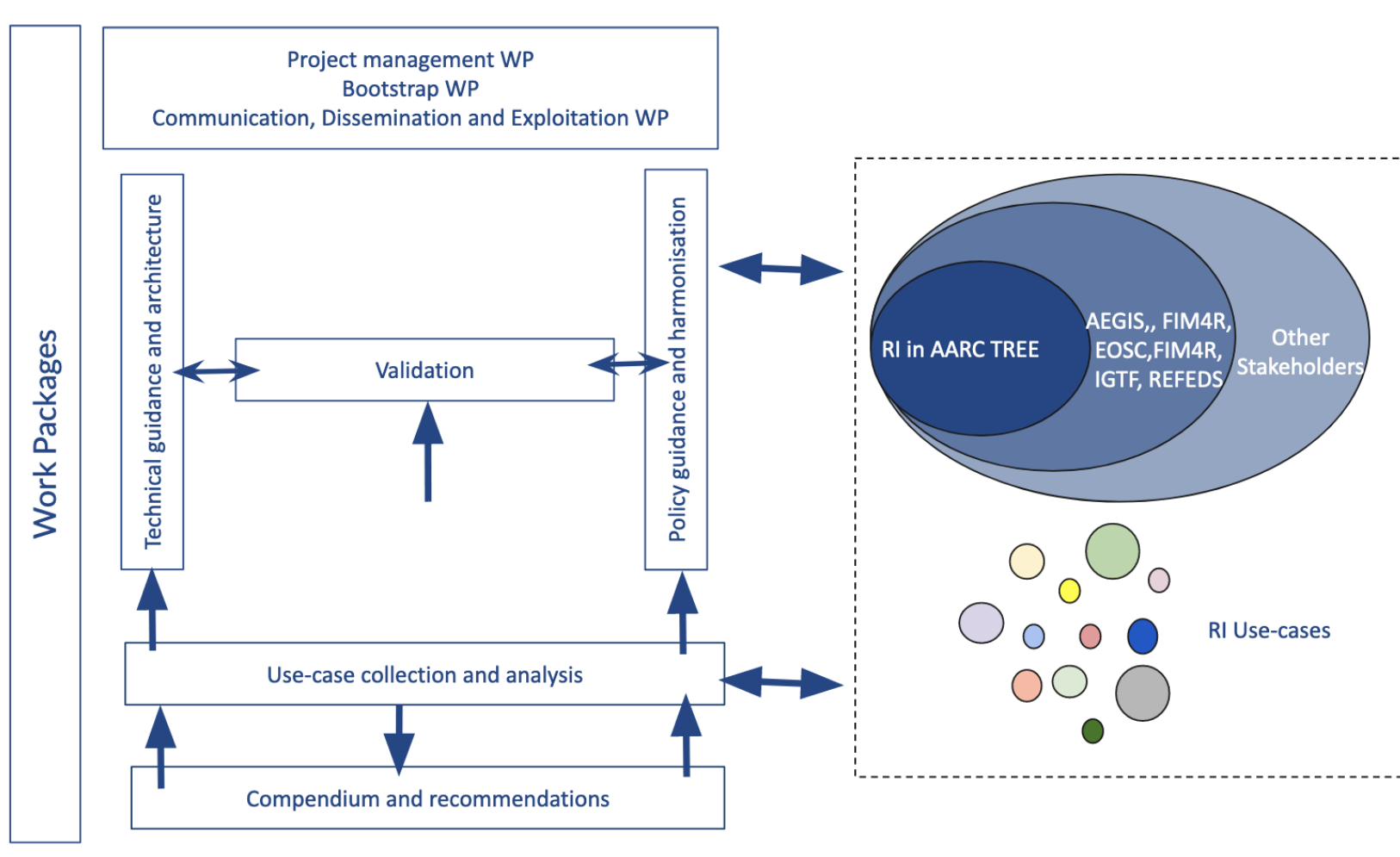
Service and resource providers:

- AAI and other providers interested in offering their services and resources to researchers

EOSC Ecosystem

- EOSC related initiatives like EOSC Association Task Forces and other EOSC projects

Growing an AARC TREE



AARC Policy Development

Research-infrastructure alignment and policy harmonisation

- Operational Trust for Community and Infrastructure BPA Proxies
- Snctfi - increasing acceptance of research infrastructure proxies with R&E identity providers and sources of authentication
- Review infrastructure models for coordinated AUP, T&C, and privacy notices, improving cross-infrastructure user experience

User-centric trust alignment and policy harmonisation

- Lightweight community management policy template
- Guideline on cross-sectoral trust in novel federated access models
- Assurance in research services through (eIDAS) public identity assertion
- FIM4R policy workshop series on validation of the restructured policy framework (together with the new 'BPA')

Thank you

Any Questions?

davidg@nikhef.nl



<https://aarc-community.org>

Information in this document is preliminary and should not be construed as an endorsement of any particular organisation or plan. All information subject to change without notice. Information presented here **MUST NOT** be quoted out of context