



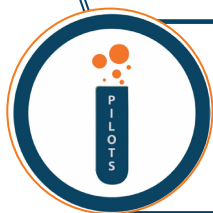
AEGIS AARC Engagement Group for Infrastructures

Christos Kanellopoulos, GÉANT

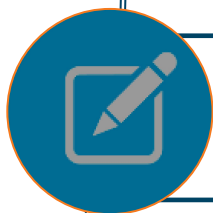
What has AARC achieved ?



Champion federated access - Make federated access the main access means for eScience by addressing technical and policy challenges and promoting its usage



Run pilots with research collaborations in AARC2 (and beyond) - Support research communities to scope their requirements and deploy matching solutions based on the AARC BPA.



Support for global policies – Develop key policy frameworks to minimise diverging policies and allow for interoperability of infrastructures



Promote AARC results and make them sustainable - Entrust operations with existing research and e-infrastructures whenever possible

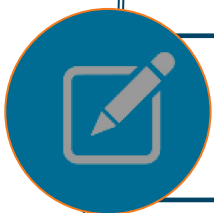
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Sustainability: beyond the AARC project – AEGIS

<https://wiki.geant.org/x/sYRgBw>



- Consult the expertise of participants for feedback on AAI activities;
- showcase ongoing implementation efforts of the AARC Blueprint Architecture;
- promote a consistent vision for federated access;
- facilitate activities for the adoption of harmonized solutions and avoid 'reinventing' the wheel;
- report on the adoption of and provide guidance on the AARC guidelines;
- provide a home for the adoption and further development of the AARC Blueprint Architecture;
- maintain, develop, and organizationally support the AARC community;
- liaise with other entities in the AAI ecosystem.



AEGIS Charter

The **AARC Engagement Group for Infrastructures (AEGIS)** brings together representatives from research and e-infrastructures, operators of AAI services to bridge communication gaps and make the most of common synergies.

AEGIS ultimately enhances the wider and more effective uptake of AAI recommendations by infrastructures in their federated access solutions, so that they can focus on providing other support for research activities.

Objectives and Scope of AEGIS

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Participation

There are two ways to participate in AEGIS:

- Members - Research and e-infrastructures and other organizations responsible for the operation of AAIs for international research collaborations following the AARC

- **Members** - Research and e-infrastructures and other organizations responsible for the operation of AAI services for international research collaborations following the AARC guidelines relevant to their interoperability with AEGIS peers. Each member can appoint up to two individuals to represent the organization in AEGIS.
- **Observers** - AEGIS welcomes parties that may have an interest in using AARC guidelines or that are in the process of implementing an AAI that follows the AARC BPA. Observers should be invited by an AEGIS member and endorsed by the AEGIS membership. Observers do not vote nor endorse documents.

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Working Areas



Work areas are supported by topical groups that will submit pertinent results to AEGIS for endorsement. AEGIS focuses on interoperability for authentication and authorisation for research and collaboration infrastructures. In light of this, two main areas have been identified: an **architecture area** and a **policy area**. Both areas take as a starting point the final results of the AARC2 project; both areas are responsible for the maintenance of the AARC guidelines suite. Each area will have two co-chairs that are AEGIS ex-officio members.



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Delivery Platforms in AARC2



AARC Engagement Group for Infrastructures (AEGIS)

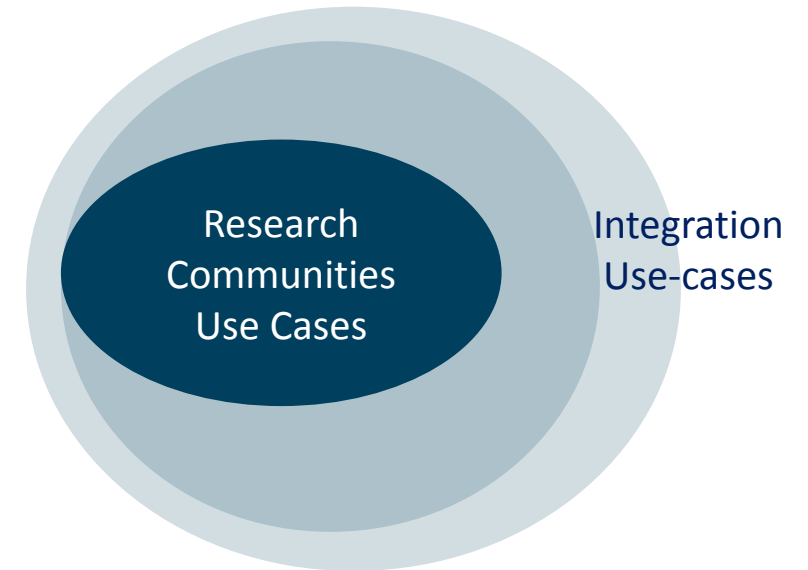


Research/e-Infrastructures

AEGIS Working Areas

Architecture

Policy



FIM4R



Research Communities

Delivery Platforms in AARC2

AARC Engagement Group for Infrastructures (AEGIS)



Research/e-Infrastructures

Architecture

Christos Kanellopoulos

Nicolas Liampotis

Policy

David Groep

Dave Kelsey

AEGIS Working Areas

Archit

PO

Integration
Use-cases

Use Cases

FIM4R



Research Communities

AARC Guidelines approved by AEGIS



#	Document	AARC Identifier	Date first presented	Date approved	Status
1	Guidelines on expressing group membership and role information	AARC-G002	2017-11-13	2017-11-15	Current
2	Exchange of specific assurance information between Infrastructure	AARC-G021	2018-03-12	2018-03-12	Current
3	Guidelines for evaluating the combined assurance of linked identities	AARC-G031	2018-05-14	2018-07-09	Current
4	Specification for expressing resource capabilities	AARC-G027	2018-12-10	2018-12-10	Current
5	A specification for IdP hinting	AARC-G049	2019-03-11	2019-04-08	Superseded by AARC-G061
6	Guidelines for expressing affiliation information	AARC-G025	2019-03-11	2019-10-14	Current
7	AARC Blueprint Architecture 2019	AARC-G045	2019-11-11	2020-02-10	Current
8	Inferring and constructing voPersonExternalAffiliation	AARC-G057	2020-07-13	2021-02-08	Current
9	A specification for IdP hinting	AARC-G061	2020-05-11	2021-02-08	Current
10	Guidelines for expressing community user identifiers	AARC-G026	2019-09-09	2021-06-14	Current
11	Specification for hinting an IdP which discovery service to use	AARC-G062	2021-09-13	2021-10-11	Current
12	A specification for providing information about an end service	AARC-G063	2021-12-13	2022-04-11	Current
13	Expressing group and role information (supersedes AARC-G002)	AARC-G069	2021-09-13	2022-04-11	Current
14	Guidelines for Secure Operation of Attribute Authorities	AARC-G071		2022-04-11	Current

AARC Informational Documents Approved by AEGIS

#	Document	AARC Identifier	Date first presented	Date approved
1	Implementing scalable and consistent authorisation across multi-SP environments	AARC-I047	2019-03-11	2019-03-11

Guidelines Process

Created by David Groep, last modified on May 28, 2019

The AARC project, in collaboration with partners such as the Infrastructure, AEGIS, IGTF, REFEDS, FIM4R and WISE, periodically releases *guidance* to the community on how to best support authentication and authorisation for research and collaboration. This guidance takes the form of *Guideline Documents* that are public and are persistently identifiable (and can be so referenced). This pages describes the document process, assignment of identifiers, maintenance of document status information, and publication.

AARC Guidelines can apply to any topic that helps further FIM for research and collaboration: composition of components into an architecture, lists of tools that fulfill a particular role in an operational deployment, policy frameworks, specific instructions on how to configure your proxy to comply with the data protection code of conduct, and even 'one statement' policies where the guideline is just one statement (like "An IdP-SP-proxy must assert the value "coffee" in the *voPersonFavouriteBeverage* attribute towards all connected relying parties and service providers"). Guidelines help communities and infrastructures, and the people implementing and operating an AAI for research and collaboration in running it more effectively and in an interoperable way.

Overview of Documents

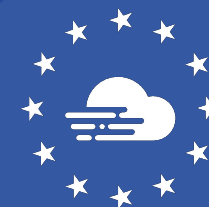
Documents are numbered sequentially, and take an identifier of the form "**AARC-Gxxx**", or "**AARC-Ixxx**" (for informational white papers), where xxx is a three-digit monotonically increasing number. Numbers are assigned

- whenever a concept is developed or proposed that could merit a guideline document *even if it is not yet certain such a document will ever be published*.
- whenever a document jointly developed with others merit import of its contents in the AARC guidelines series, and where AARC has significantly contributed to this outcome (for example: *Sirtfi* clearly has a strong AARC contribution to it so can be in the series, but *REFEDS R&S* does not, so should NOT be included, even though we heavily use it).
- the numbering scheme MAY (and will) have holes in it. This is no big deal: it is similar with CVE numbers, and it allows forward referencing

An AARC Guidelines identifier MUST be assigned to all versions of the BPA, to all technical recommendations that pertain to the BPA, to all policy guidance that pertains to Infrastructure proxies and consortia of service providers or IdPs, and for specifications that should be adopted or implemented by the AARC peer organisations. It MUST be assigned to all document that will be published, and MAY be assigned to project deliverables and milestone documents that have value as guidance.

<https://wiki.geant.org/display/AARC/Guidelines+Process>

The EOSC AAI Task Force



**EUROPEAN OPEN
SCIENCE CLOUD**

Charter - Background

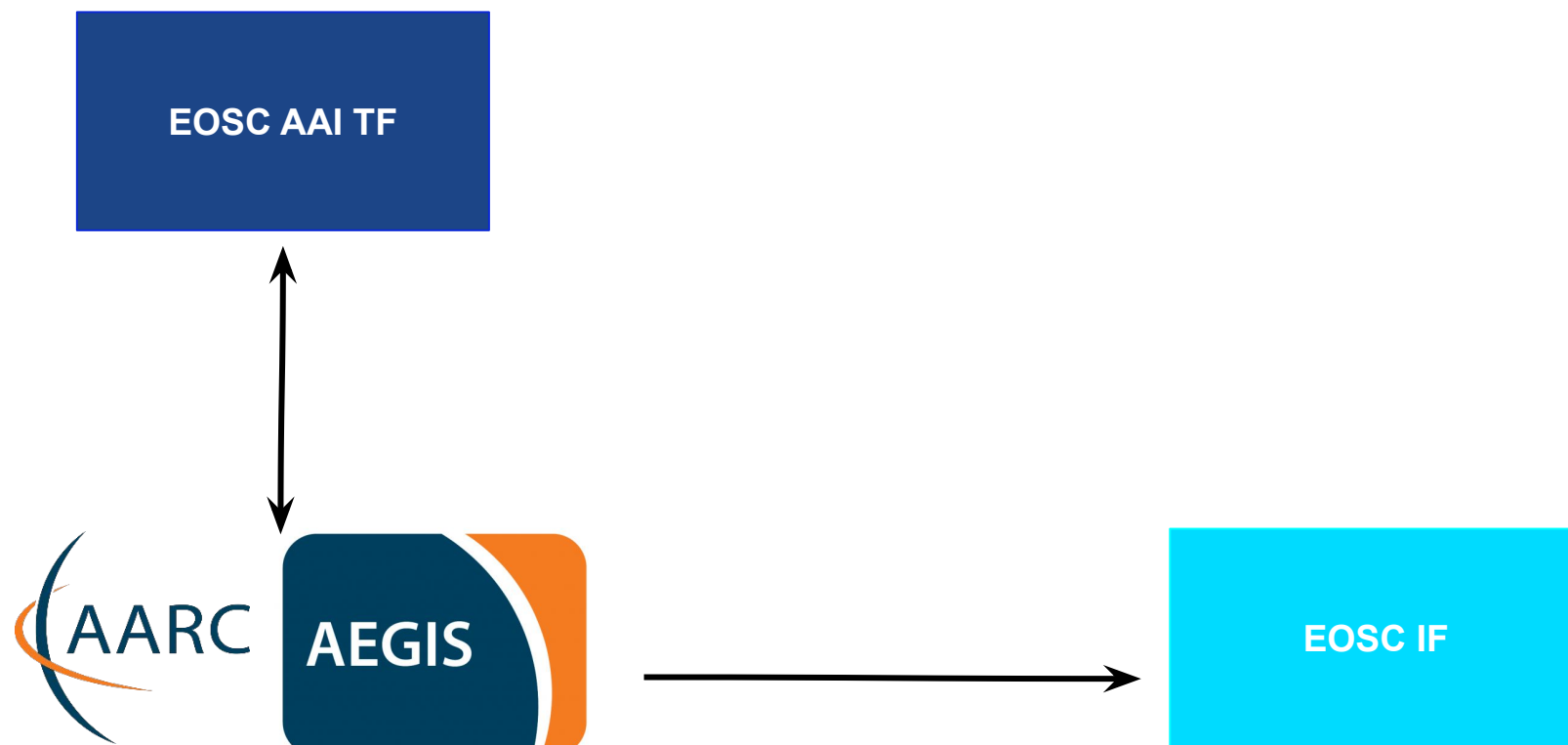
The AAI for EOSC is built on top of a large body of existing work in the :

- Federated Identity Management for Research (FIM4R) (2012 – Today)
- AARC Community and AEGIS (2015 – Today)
- EOSC AAI Task Force of EOSC Architecture WG (2019 – 2020)

Charter - Main goals

- Evolution of the EOSC AAI Architecture and the EOSC AAI Federation, following the AARC Blueprint Architecture and AARC Interoperability Guidelines.
- Identification and assessment of requirements and gaps through liaison efforts and collaboration with other bodies inside and outside EOSC, such as EOSC Task Forces, EOSC projects, community bodies like AEGIS.
- Identification and assessment of governance models for the EOSC AAI architecture.

AEgis - EOSC AAI TF - EOSC IF



Thank you

Any Questions?

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<http://aarc-project.eu/>



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