



Authentication and Authorisation for Research and Collaboration

Pilots on the Integrated R&E AAI

An overview of the “SA1” activities

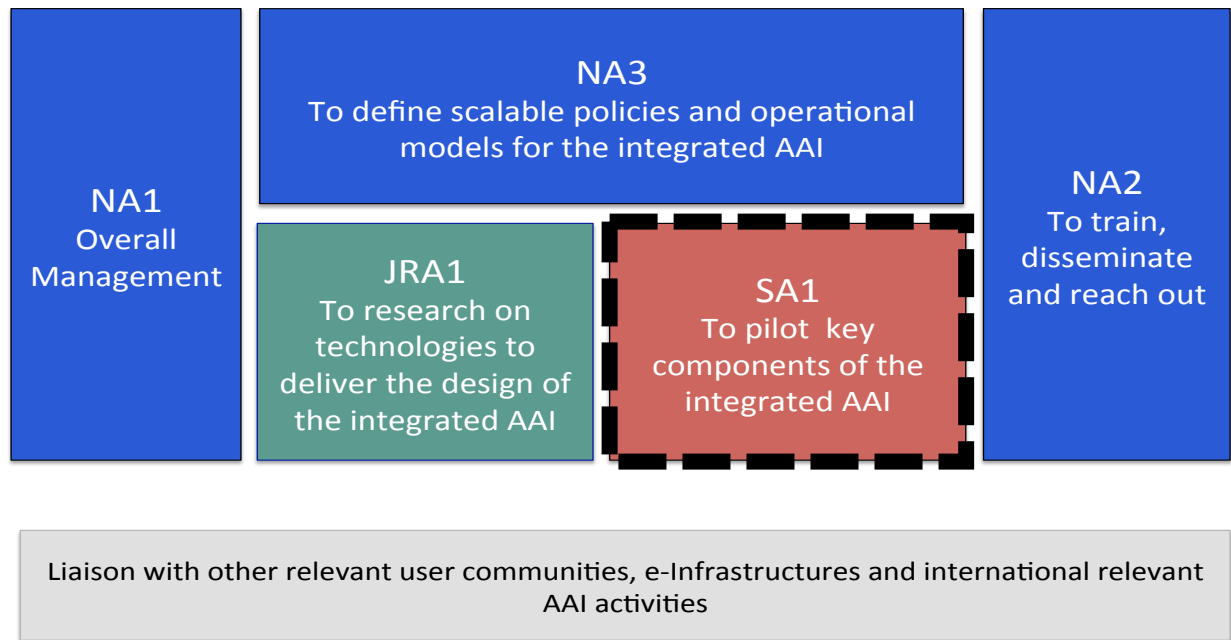
Paul van Dijk, Activity Lead Pilots (SA1)



AARC Kick-Off Meeting
June 2015



AARC Work Packages



Current AAI landscape



Nat'l AuthN ✓many successful national implementations

"Guest" access X/✓some ad-hoc solutions, not standardized, LoA??

Int'l AuthN X/✓framework available but needs optimization

Attribute management for AuthZ X/✓available in some communities, others just started

Non-web SSO X.....a huge challenge, royal route or workarounds??

However, many components available to improve current practice

status – need overview, architecture and PoC/Pilots/Demo's of components to determine: for which use case?, compatible with?, maturity?, suitability? When do components fit together, when not?

Goals/Approaches Pilots (SA1)



- Demonstrate that the solutions identified and proposed by JRA1 and NA3 are effective in addressing the requirements of the communities
- Proof of concepts will involve services from the main e-infrastructures in Europe
- Show to what extent different technologies used by the e-infrastructures and service providers are compatible and interchangeable
- (Re-)using not building

Task1: Pilots of solutions for “guest” users

Lead: GARR - Mario Reale, Barbara Monticini, Lalla Montovani

- Lower barriers for entry of organisations not already participating in identity federations
- Showcase viable solutions whether commercially available or R&E community supported for guest access to shared resources
- Showcase ways to support scalable LoA for guest users
- Showcase AAI Approaches for research libraries

Task2: Pilots of an attribute management framework



Lead: EGI - Peter Solagna

- Attribute management: identify tools and services that better support the registration and management of attributes by the research communities
- Attribute aggregation: multiple scenarios for attribute aggregation are expected to result from the attribute framework definition
- Attribute based authorisation: service providers will base authorisation on a combination of IdP and community provided attributes

Task3: Pilot to improve access to R&E relevant resources and services



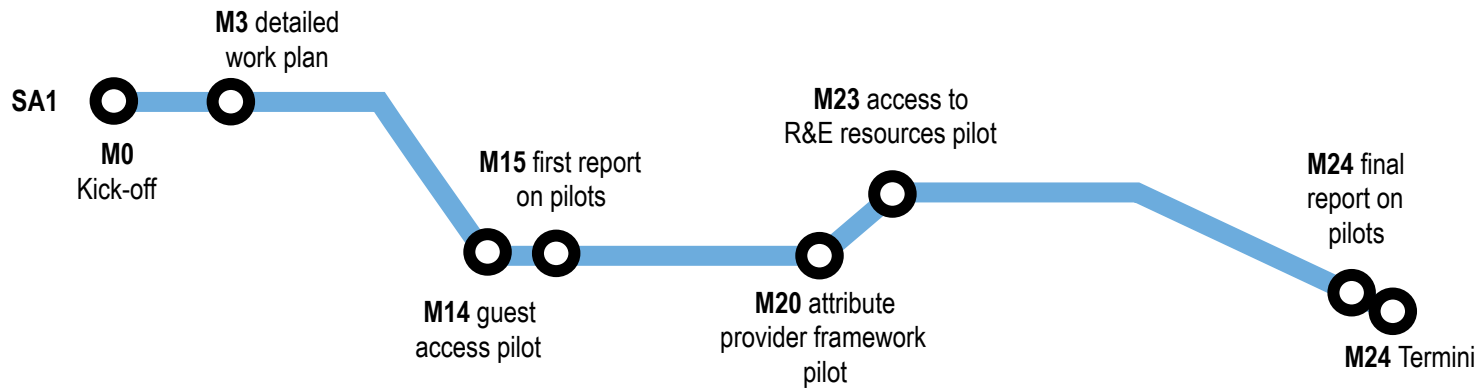
Lead: PSNC - Maciej Brzeźniak, Michal Jankowski

- To provide AAI mechanisms to access (non-web) resources relevant for the R&E communities
- To pilot mechanisms identified in JRA1 to integrate services that are not yet accessible via the federated framework
- To pilot SSO access for commercial (cloud) services for research communities and consider both technical/architectural solutions (in collaboration with JRA1) and legal and policy aspects (in collaboration with NA3)

Time line, pre-set mile stones, and deliverables – The AARC-Pilots Metro Map



“PoC on cross sector SSO and attribute management”



May 2015

April 2017

Agenda – Planning the work ahead...



4th June

Time	Activity
09:00-10:30	Planning the work ahead: working sessions 2. AARC architecture and pilots: finding dependencies and synergies, <i>Christos Kanellopoulos</i> and <i>Paul Van Dijk</i> 3. Training and Outreach session, <i>Alessandra Scicchitano</i>

Participation of partners per pilot task (tbd)



	“guest” users (task1)	attribute management (task2)	access to (non-web resources) (task3)	person-months Involved	comments
SN				23	
PSNC			LEAD	12	
EGI		LEAD		11	
GARR	LEAD			6	
FOM/NIKHEF				10	
CESNET				8	
GRNET				8	
KIT				8	
DAASI				7	
CSC				4	
Moravian Libary				1	