



# GÉANT

## ASSOCIATION

Networking • Services • People

### AARC Overview

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## Authentication and Authorisation for Research and Collaboration

- support the collaboration model across institutional and sector borders
- advance mechanisms that will improve the experience for users
- guarantee their privacy and security
  
- build on the very many existing and evolving components  
*ESFRI clusters, eduGAIN, national AAI federations, NGLs, IGTF, SCI, SirTFi, ...*
- design, test and pilot any missing components
- **integrate them** with existing working flows

# AARC – Authentication and Authorisation for Research and Collaboration

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- Two-year project
- 19 funded plus 2 unfunded
  - Coordinated by the Amsterdam Office
  - NRENs, e-Infrastructure providers and Libraries as equal partners
- About 3M euro budget
- Expecting starting date 1 May, 2015

- **OUTREACH and TRAINING**

- To lower entry barriers for organisations to join national federations
- To improve penetration of federated access

- **TECHNICAL and POLICY Work**

- To develop an integrated AAI built on production services (i.e. eduGAIN)
- To define an incident response framework to work in a federated context
- To agree on a LoA baseline for the R&E community
- To pilot new components and best practices guidelines in existing production services

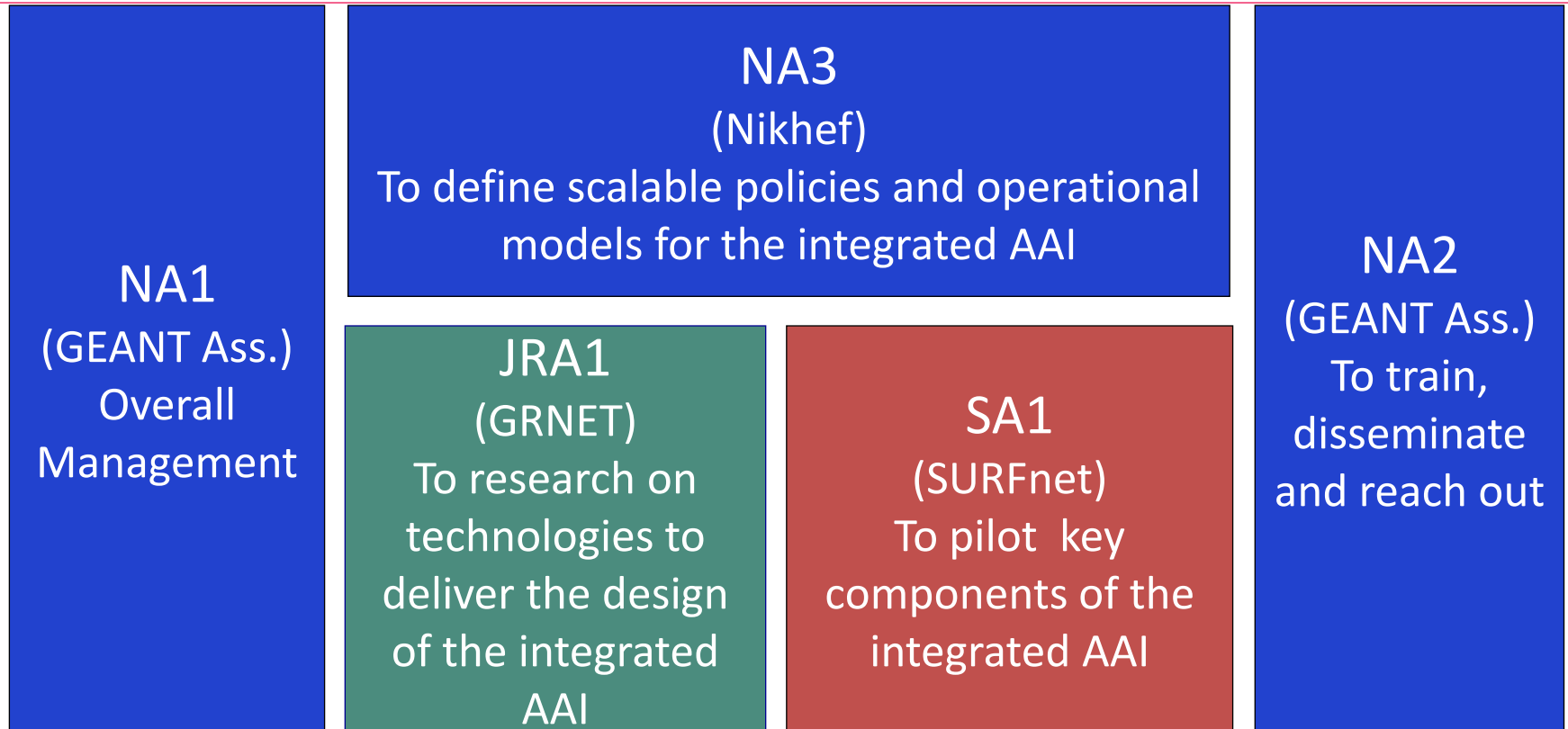
## › **AARC Strength:**

- › Consortium with NRENs, Libraries, e-Researchers and campuses
- › Good opportunity to work together as a team
- › Consensus among different groups to work together

## › **AARC Challenges:**

- › **Address technical challenges to satisfy most of the communities**
- › **Scale the training to EU dimension**
- › **Deliver best practises in an 'implementable' way**
- › **Scope the pilots to address use-cases and test results from other WPs in AARC**

# AARC – Work Packages



Liaison with other relevant user communities, e-Infrastructures and international relevant AAI activities

- Training for IdPs

GÉANT,  
Jim Buddin

- Directly focusing on research use cases, engaging their local researchers and their requirements
- Encourage them to harmonize through best practices
- Expand coverage of national identity federations, supporting institutions with low levels of technical or organisational preparedness

- Architectures for integrated/interoperable AAI

- technical elements needed for the integrated AAI: attribute frameworks and deployable web & non-web technologies
- Support for guest IdPs
- Risk-based models for AAI solutions

GRNET,  
Christos Kanellopoulos

- Pilots on integrated R&E AAI
  - Introduction of attribute management services
  - Access to R&E + commercial services
  - Guest services
  - **Build PoCs *together with the community***

Demonstrate ‘production-worthy’ pilots that have a sustainability model

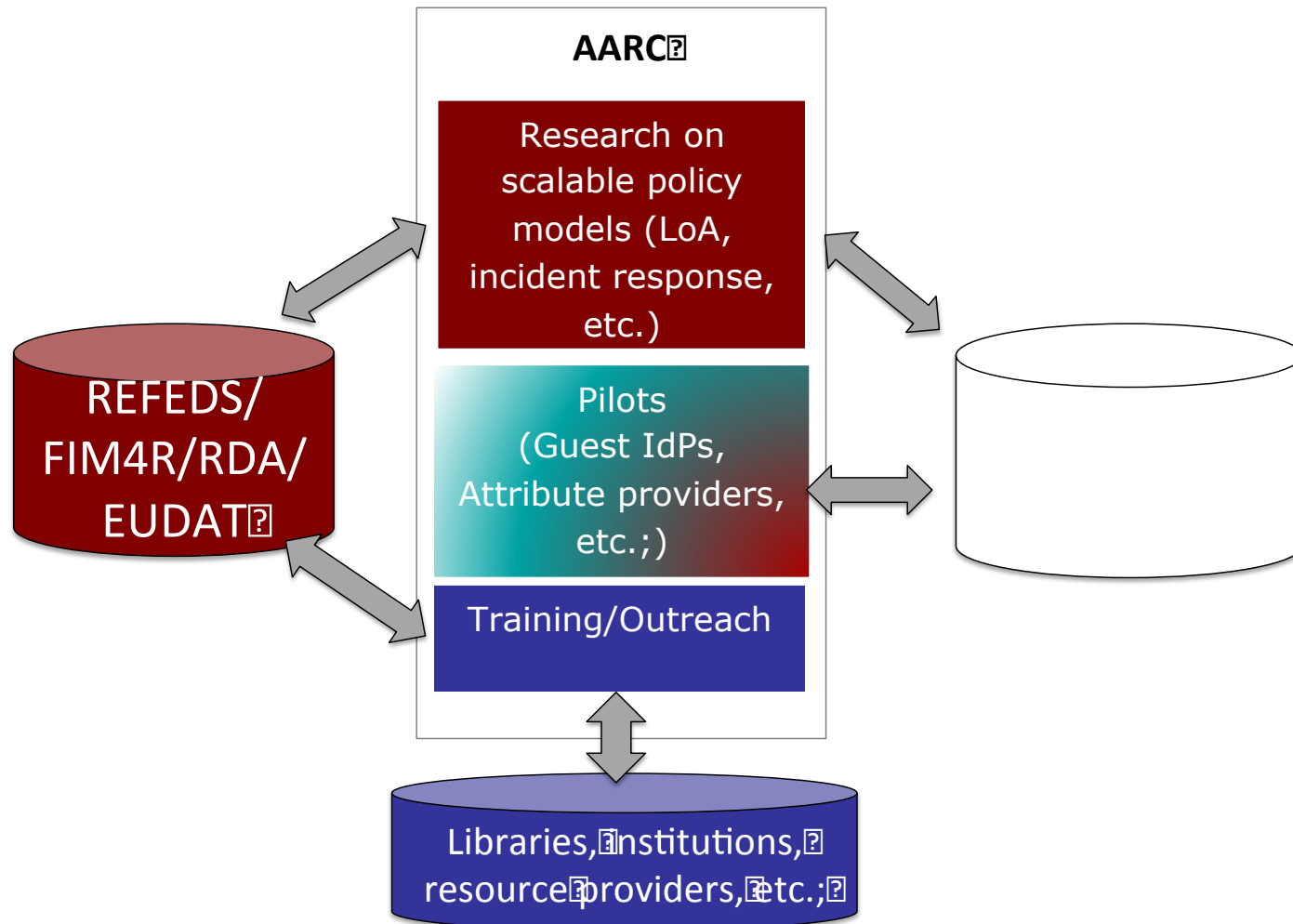
- e.g. adoption by the GEANT services activity, run by the research community, or by the e-Infrastructures
- Facilitate researchers to collaborate in a secure and trusted virtual research environment



- Policy and Best Practices harmonisation
  - collate a level of assurance framework
    - for SPs: where we already have DP CoC, R&S EC
    - for IdPs: express reasonably achievable assurances
    - for AAs and communities: a 'new' domain
  - consistent handling of security incidents (in eduGAIN &c)
  - scalable policy expression and negotiation
    - identify policies needed for attribute aggregation
    - policy & security to enable the integration of attribute providers and of credential translation services
  - support models for (inter)federated access (i.e. how are we going to sustain something scalable once AARC is over?)
  - guidelines to enable exchange of accounting data

Nikhef,  
DavidG

# Liaisons with other groups



# Approach

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Use existing e-  
infrastructures in the  
delivery chain

Deliver a cross-discipline  
framework built on  
federated access

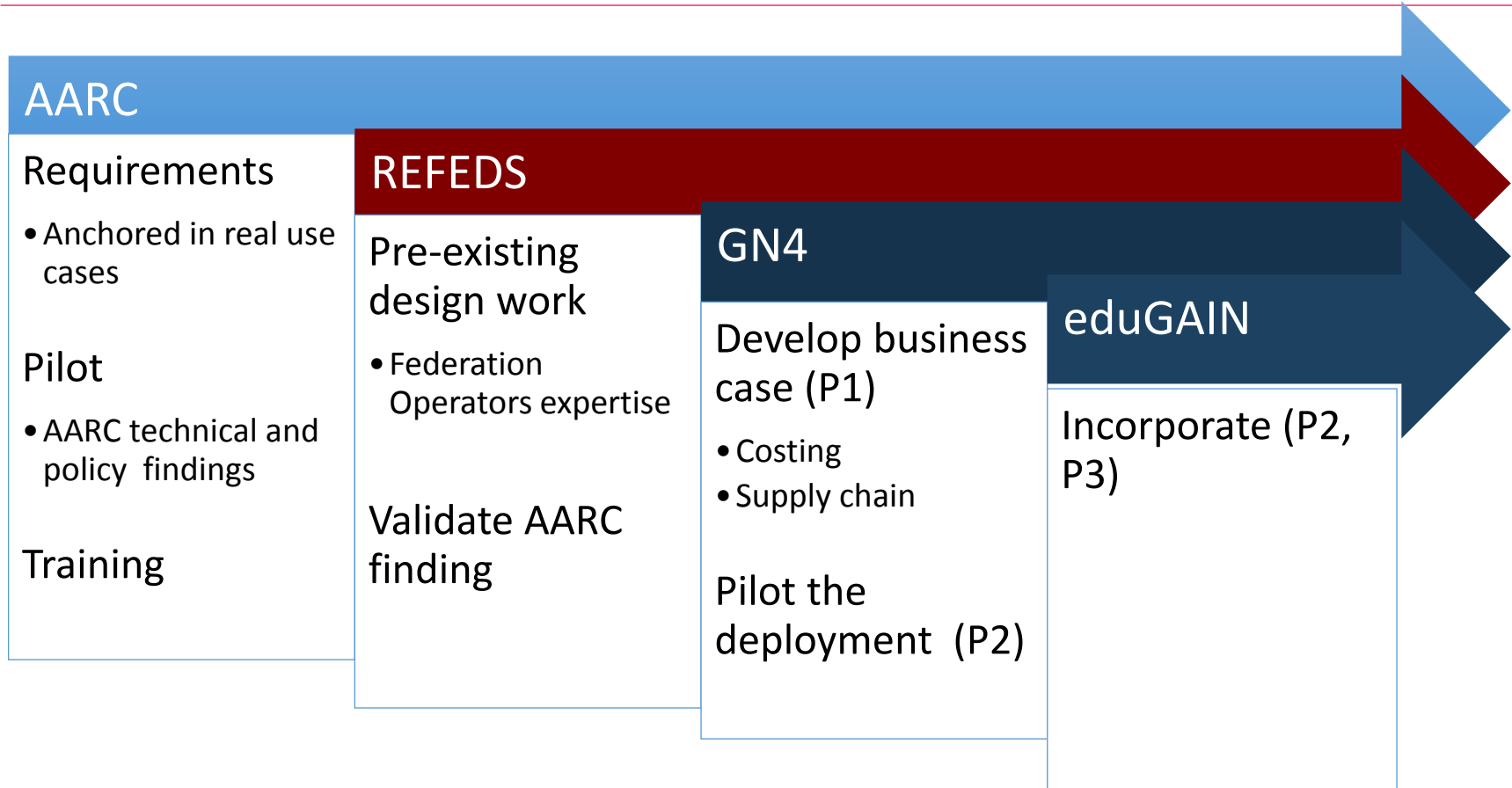
Liaison with existing e-  
Infras, communities and  
initiatives

# Main Topics of Synergy

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- LoA
- Incident handling in federations
- Policies between identity providers, attribute providers and service providers to facilitate service delivery

*many of the communities here could be interested in either the pilots, the sustainability model, ... or all of AARC, of course!*



## Where are we now

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- Grant agreement preparation started:
  - 04/02/2015: first version of the grant agreement data
  - 25/02/2015: signature of the participants certified declarations
  - 14/04/2015: Deadline foreseen for the signature of the grant agreement
- Expected to start on 1<sup>st</sup> May 2015