



Authentication and Authorisation for Research and Collaboration

NA2: Training and Outreach

Laura Durnford
GÉANT

AARC All Hands meeting
29 November, 2016
CERN, Geneva

Agenda

- NA2 Concept
- Structure
 - Team (tasks and TLs)
 - Resources (budget and manpower)
- Objectives
- Achievements
- Challenges
 - And mitigation
- Conclusions
 - Summary
 - Looking ahead

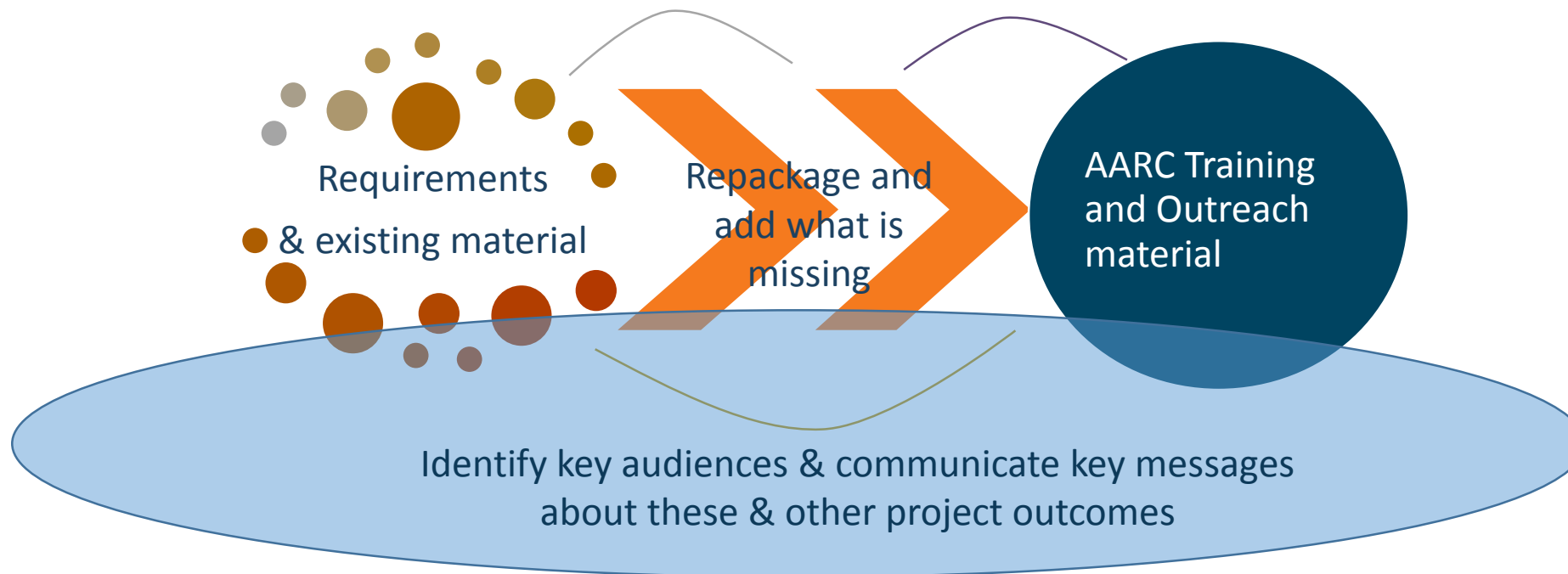
NA2 Concept - the essence of AARC Training and Outreach

“A primary objective of this project is to promote and further deploy federated access for researchers, educators and students. Dedicated training and outreach material should help to lower barriers to entry for organisations not already participating in identity federations.”



NA2 Concept - the essence of AARC Training and Outreach

“A primary objective of this project is to promote and further deploy federated access for researchers, educators and students. Dedicated training and outreach material should help to lower barriers to entry for organisations not already participating in identity federations.”



The Communities decided our Destiny

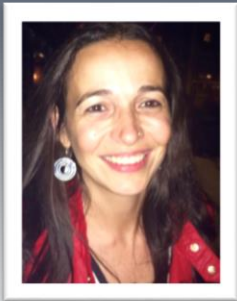
Report on the identified target groups for training and their requirements.

Key findings:

- Information material for decision makers and users;
- Training addressing prevalent technological knowledge gaps so as to facilitate adoption;
- Dedicated training for libraries.
- Support and trainings in data privacy legal aspects;



Activity and T2 Leader



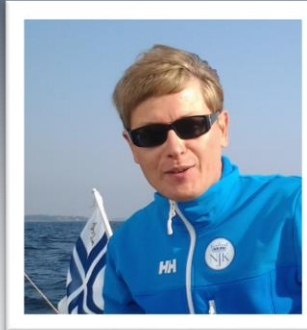
Alessandra Scicchitano
GÉANT

T1: Learning Needs Analysis



Irina Mikhailava
GÉANT

T3: Training for Resource and Service Providers



Manne Miettinen
CSC

T4: Training for Identity Providers



Maria Laura Mantovani
GARR

Partners



Activity and T2 Leader



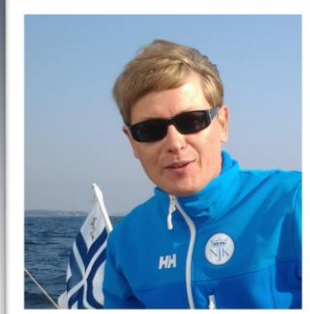
Laura Durnford
GÉANT

T1: Learning Needs Analysis



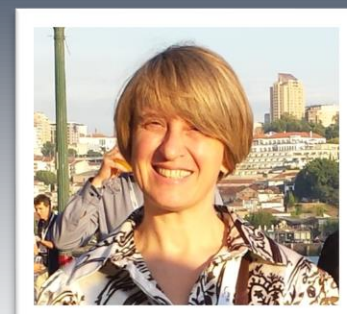
Irina Mikhailava
GÉANT

T3: Training for Resource and Service Providers



Manne Miettinen
CSC

T4: Training for Identity Providers



Maria Laura Mantovani
GARR

Partners



Resources (1 May 2015 – 30 April 2016)

Year 1 budget used	31.08 MM
Year 2 remaining (data missing)	38.52 MM
Participants	10 partners

Deliverables and milestones completed in the reporting time
3/3 Deliverables and 2/2 Milestones

DNA 2.1 Report on the identified target groups for training and their requirements
DNA2.2 Training material on main technical and policy concepts of federated access
DNA2.3 Training material targeted to Resource and Service Providers

MNA 2.1 Guideline document for AARC training materials
MNA 2.2 First SP training delivered



Objectives WP Training and Outreach Year 1



Provide general purpose material with the aim of transferring solutions about how to overcome technical, organisational and legal obstacles to make federated access more pervasive;



Provide promotional material and training for identified AARC user groups to optimise the uptake of federated identities in accessing electronic resources together with other library services;



Provide tailored trainings to ensure the uptake of AAI;



Outreach and Dissemination to raise awareness about AARC and the AAI concept.



Identified and analysed user communities' requirements

Objectives WP Training and Outreach – Task 1: Learning needs analysis

Objectives for the task

**Objectives
from
Technical
Annex**

Identify the
knowledge and skills
gaps

Setting clear
guidelines and
standards

Support for training
and training material

**Year 1
Results**



Achievements – Task 1: Learning needs and analysis

- Introduced standardised templates and models for community outreach such as Value Proposition model, Business Canvas model and pitching formula
- Introduced standardised approaches for training delivery with Learning Needs Analysis framework, Training Design template, participant engagement and feedback.
- Input required – session with Irina Wed morning

Objectives WP Training and Outreach – Task 2: Outreach and Dissemination

Objectives for the task



**Objectives
from
Technical
Annex**

Basic Material

Legal material

Liaison with other
projects/communities

General
Dissemination about
AARC results

**Year 1
Results**



Planned for Y2



Achievements – Task2 Outreach and Dissemination

- Federation 101 – Module
- Federation 101 – Training
- Factsheet: Federated access to digital resources at libraries
- Legal Material to be used in IdP and SP trainings
- Sirtfi (In collaboration with NA3 and REFEDS)
- Different presentations around the world to raise awareness (e.g. ISGC 2016, I2 GS and I2 TX, WLCG SP presentation at HEPiX)
- Leaflet for SPs: “How to reach global customers, with Federated Identity Management”



Blogs

- AARC advises HNSciCloud at a key project design phase
- <https://aarc-project.eu/a-hitchhikers-guides-to-the-aai-galaxy/>
- <https://aarc-project.eu/aarc-pilot-platform-approaching-take-off/>
- <https://aarc-project.eu/federate-to-win-an-aarc-workshop-at-the-liber-annual-conference-2016/>
- <https://aarc-project.eu/aarc-steps-into-2nd-year/>
- <https://aarc-project.eu/aarc-draft-blueprint-architecture-available-for-comments/>

AARC draft Blueprint Architecture available for comments

16th June 2016 | Written by Christos

Leave a Comment

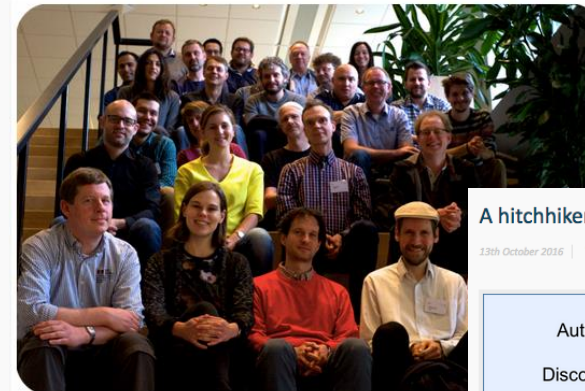


1st year of the AARC project, the architecture work package has designed a high-level (blueprint) AAI. The goal of this architecture is to help e-infrastructure operators and technical architects and the various research communities to enable secure, scalable, and interoperable federated access to by using proven technical solutions and/or implementation patterns.

AARC steps into its second year with praise for achievements already made

26th July 2016 | Written by Iulia Popescu

Leave a Comment



AARC is now entering its second year. And as all little toddlers do, it has taken the first step. On 27-28 June the achievements of the AARC (Authentication and Authorisation for Research) project were presented to the European Commission's reviewers, who recognised AARC's very supportive of the work achieved so far.

A hitchhiker's guides to the AAI galaxy

13th October 2016 | Written by Licia Florio

Leave a Comment

Authentication & Discovery Service	Different technologies supported
Attribute Management & Aggregation	Support for third parties attribute authorities
Proxy and Credential Translation Services	Convert credentials as needed to access different services
Authorisation	Support for authorisation policies based on local or external information

Achievements – Task2 Outreach and Dissemination Comms team

- Preparing in-depth communications plan (Wednesday's agenda)
 - Refreshing the project website (with NA1)
 - Blogging support (training Thursday, prompt doc online)
 - Comms team established
 - Laura Durnford, GÉANT
 - Federica Tanlongo, GARR
 - Martine Oudenhoven, LIBER
 - Melanie Imming (engagement)
 - Friedel Grant (graphics)
 - Sara Coelho, EGI
-
- **aarc-comms@lists.geant.org**

Objectives WP Training and Outreach – Task 3: Training for Resource and Service Providers

Objectives for the task



Objectives from Technical Annex

Training material For Resource and Service Providers

Training for ELIXIR Resource and Service Providers

Training for DARIAH Resource and Service Providers

Training for Worldwide LHC Computing Grid Resource and Service Providers

Year 1 Results



Planning stage



Achievements – Task 3: Training for Resource and Service Providers

- Training workshop concept;
- Training for Service Providers - module online;
- Training workshop carried out in collaboration with GÉANT:
 - DARIAH: Digital Humanities e-infrastructure communities
 - ELIXIR: The European biological, and biomedical user community.
- Preparations have begun for another ELIXIR 2-day workshop in April 2017.

Objectives WP Training and Outreach – Task 4: Training on the Identity Providers

Objectives for the task



Objectives from Technical Annex

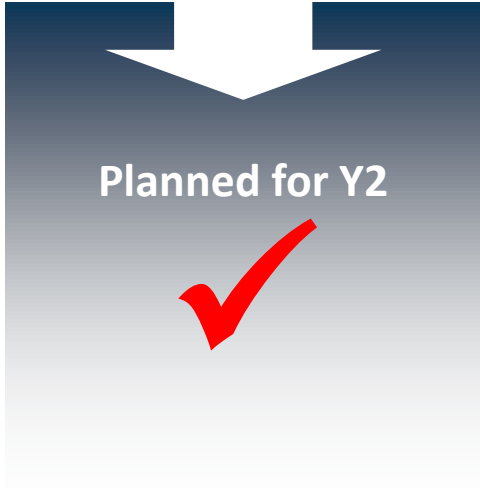
Solutions for the easy creation of Identity Providers

Analysis of the targeted user groups and libraries requirements

Training material for Identity Providers

Trainings on the results of JRA1 and SA1

Year 1 Results



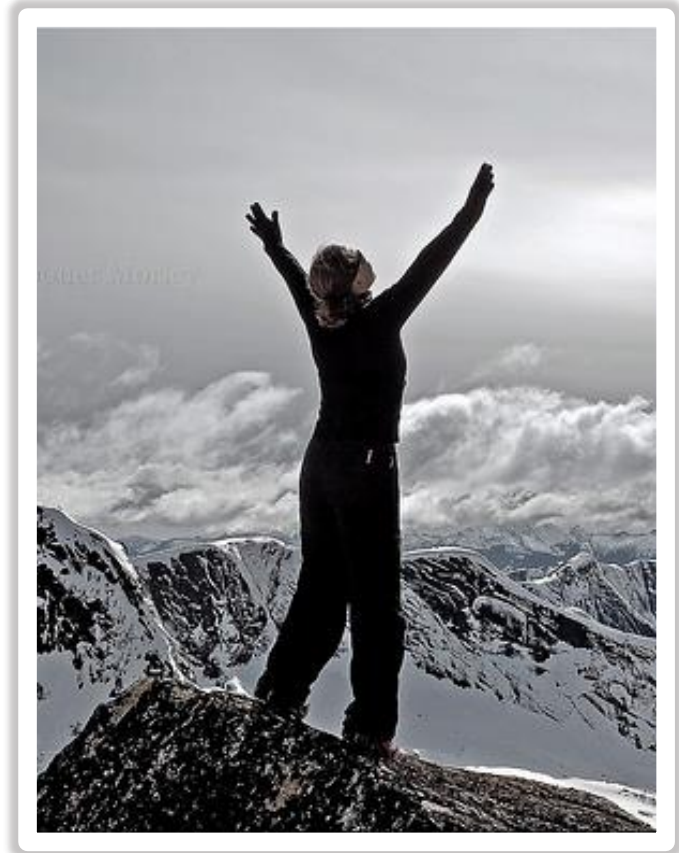
Achievements – Task 4: Training on the Identity Providers

- Identified important requirements from user communities and libraries
 - Standard training on IdP deployment is not needed because already done by federations
 - The need is about a training module for scalable attribute release in federation and interfederation
 - There are specific needs in the library space: federated proxy, federated discovery
- First draft of the Training module for scalable attribute release in federation and interfederation
 - Reviewed by the federation operators at TNC16

- Possible how-to handbook for cloud providers and leaflet - benefits of IdP in the Cloud solution for home organisations (depending on IdP in the Cloud pilot presentation tomorrow)

Challenges

- Transition of content expert into (training) process experts
Addressed:
 - By introducing templates that can be reused
 - By designing and planning Train the Trainer event
 - Through feedback and best practice exchange
- The work plan for T2 and T4 has evolved in course of year 1 of the project
 - The first months were dedicated to understand what were the requirements from communities about trainings.
 - More coordination and more F2F meetings have helped mitigating the issue.
- The training workshops for grid computing services and web application services are very different:
 - Having the right expertise on board helped mitigating.



Conclusions

- Main achievements:
 - Standardised and improved training knowledge and skills across the AARC project;
 - Enhanced community interaction with engaged training techniques;
 - Federation 101;
 - Factsheet: Federated access to digital resources at libraries;
 - SP Training material and executed SP trainings at 2 different communities;
 - Training module for scalable attribute release in federation and interfederation;
 - Outreach:
 - Example of national impact - IDEM Day 2016: Engagement and collaboration with AARC mentioned in 5 presentations over 8

Future plans

- More detail on this tomorrow
 - Your inputs please!

Thank you

Any Questions?

laura.durnford@geant.org



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



DNA2.1 - Report on the identified target groups for training and their requirements

A 3-dimensional approach:

- Different communities
(Libraries, arts and humanities, bio-medical, high-energy physics, e-Infrastructures and NRENs)
- Different roles that people cover within the community
(Decision makers, IdP operator, SP operators and developers, end-users)
- Organisations that deploy federated access or not.

DNA2.1 - Report on the identified target groups for training and their requirements

Conducted via:

- A survey (In collaboration with JRA1): tailored to technical people with both open and multiple-choice questions that were focused on collecting requirements from organisations not yet federated and belonging to different communities.

NRENs were asked to distribute a modified version of the same survey within their constituency.

- In-depth interviews: Interviews conducted with specific trans-national user communities selected from distinct areas of research and e-infrastructure, as well as with the library community.

Modular Approach for Training Material

- Based on the initial feedback received by the AARC targeted communities (libraries, research collaboration and e-infrastructures) it was agreed to take a modular approach to the trainings that AARC will deliver.
- The modules will include information on how institutions can reach out to their national research and education identity federation. Many of these federations have put together material for their users. Among this material, AARC has collected those documents that were found most useful for the target groups.
- It is important to highlight that each module is and will be a work in progress where all the material used and referenced is constantly reviewed, updated or integrated with new material.