



Authentication and Authorisation for Research and  
Collaboration

## **SA1 Task 4**

**Creation of showcases, deployment scenarios and documentation**

**Simone Visconti - RETI**  
**David Hübner - DAASI**

AARC Athens Meeting  
10-13 April 2018, Athens



## Summary and Actions

---

- Hello! Introduction to task 4
- Showcase packages
  - Leaflet
  - Pilot Overview
  - Technical guide
  - User guide
- Status
  - LifeScience
  - CTA
  - DARIAH
  - Others?

# Hello there!

## *Introduction to Task 4 mission & members*

---

- Members

- Simone Visconti – RETI
- David Hübner - DAASI

- SA1 Task 4 mission:

- to produce a lot of experience, documentation and interesting showcases
- Provide this showcase to everybody (Inside & outside AARC), to easily share information & experience

- Our idea

- to cooperate with the members of the various teams
- create documents through collaboration
- to publish pilot showcase when ready

- Who's the target?

- Any community with common problem
- Provide an introduction to pilot goal, then full documentation about technical choices, user guide, pilot overview...
- Preserve these informations after AARC, to any community interested

**Raise your hands..**

---

if you like to write your documentation alone

**Raise your hands..**

---

if you like that somebody write it for/with you

## Showcase packages

---

- What are the goals of this packages?
  - To provide information materials about the pilot
  - A set of technical information and user guide
  
- How is it organized all documentation?
  - Some document are organized in templates, with a defined structure and questions
  - Main goal is to allow pilot member to easily provide informations
  
- What is the list of there documents?
  - Leaflet
  - Pilot Overview
  - Technical documentation
  - User documentation

# Leaflet

---

- What are the goals of this document?
  - To provide a high-level introduction to pilots
    - Who is the pilot for? (actor)
    - What is the pilot trying to solve? (goal)
    - Some info about the status (results)
  - Only a few high-level technical information (e.g. simplified flow)
  - It should describe information about scope, use cases, why it is in AARC community
- How is it organized?
  - A defined structure. Each part has a defined goal
  - Should be easy for pilot members to fill out
  - The Idea: simplify information retrieval

# Leaflet - Template Example

- Defined structure
- Description & questions for each section

## Leaflet template

Created by Simone Visconti, last modified on Mar 09, 2018

*Most of this leaflet is inspired by AARC2 SA1 Pilot Intake Template  
Detailed information will be provided in another section. Even technical information too. This leaflet have to be be light, easily readable and clear.*

### Title

*If available, add pilot logo*

### Pilot Description

*Main objective of this section is to provide a briefly high-level description of related pilot. The idea is to provide basic information, so that the reader can easily understand it.*

*Some questions to answer:*

- *What are the goals of this pilot?*
- *Why is it in AARC project and how this pilot will improve AARC community?*
- *Why should I use this pilot instead of other solutions?*
- *Some UseCase?*

### Results

*This part describes pilot's test phase, emphasizing progress and results.*

*The main objective is that a reader can easily understand the benefits achieved by using this pilot. Some examples or brief use cases are recommended.*

*Some questions to be answered:*



## Leaflet - Completed

- No more red questions
- light and attractive

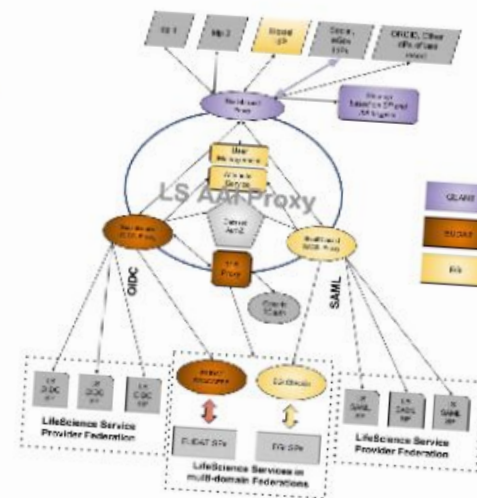
### CORBEL LifeSciences Combined Pilot

CORBEL is an initiative of 11 new biological and medical research infrastructures (BMS RIs), which together will create a platform for harmonised user access to biological and medical technologies, biological samples and data services required by cutting-edge biomedical research. CORBEL will boost the efficiency, productivity and impact of European biomedical research. Specifically represented within AARC2 are BBMRI-ERIC, ELIXIR, INFRAFRONTIER and INSTRUMENT.

Since AAI is not the 'core business' of CORBEL, they prefer having that part sustained by the e-Infrastructures. Therefore, CORBEL wrote a document with their AAI requirements and asked 3 e-Infrastructures (EGI, EUDAT & GÉANT) to respond with a proposal. It quickly became clear the best way to approach this response was to submit a combined proposal, where each e-Infrastructure provides a part of the final solution.

This solution will be built and piloted within AARC2 SA1. This is the first domain-specific AAI infrastructure infrastructure to take this step in implementing the AARC Blueprint Architecture.

The RfP asks for the ability to authenticate and identify users and link users to a unique LSID, to support management of the accounts and their attributes, and to support interfaces so that such users can use federated services both within the LS community as well as generic services, using several technological interfaces (SAML, OIDC, X.509, represented as bridges or token translation services).



### Results

The pilot started in December 2017 and is being rolled out in three stages.

- *Phase 1:* December – end January 2018. Bootstrapped the AAI solution by putting components together and defining the user registration process, attributes required by service providers and the authorisation flow.

# Pilot overview

---

- What are the goals of this document?
  - Provide detailed information about the pilot
  - An introduction to each software component
- How is it structured?
  - A longer description than leaflet
  - Technical solution
  - Architecture overview
  - Some diagram, like architectural scheme, user flow...
- Anything else?
  - Roadmap

# Technical documentation

---


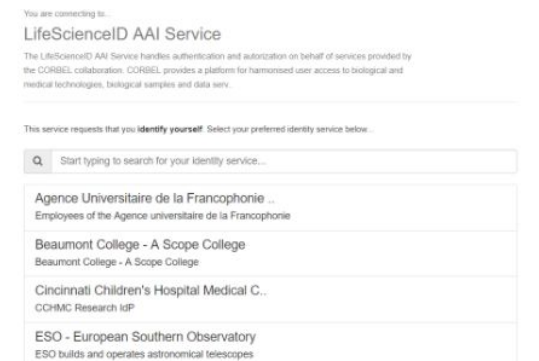

- What are the goals of this document?
  - To provide information about each component, how to deploy it and how to set it up
- What is it made of?
  - Brief introduction to this tool
  - Useful link. **We will never write anything that already exists**
  - Installation detail. Installation instructions are provided by links. **We will never write anything that already exists**
  - Configuration & settings used to achieve our goal. **Did I say that we will never write anything that already exists?**
- Most sections will be links to existing documentation with some context

# User documentation

- What is the goal of this document?
  - To provide useful guide about some user procedure.
  - Provide a walkthrough guide, based on instructions & screenshots, to explain how to perform certain actions
- What is it made of?
  - Brief introduction to this document
  - Instructions and screenshot
  - Walkthrough guide

## Demonstration workflow

### 1 - Registration through SP

N°	Action	Screenshot
1	To register a new user through a SP, first of all connect via browser to it. This SP should be connected to LifeScience Pilot. From Login area, you should find a LifeScienceID button, used to perform login operation. Screenshot shows common LifeScienceID button.	
2	Once you have clicked on LifeScienceID button, you will be redirect inside discovery service. You have to choose your IdP, then you have to authenticate through it. After login, you will be redirect to Perun registration form.	
3	After you have identified yourself through your IdP, you will be redirect to the registration form. Form include 3 field: Name, E-mail and Nickname. Name is fixed and obtained through Idp. E-mail is fixed too, but if you have more e-mail registered at your Idp, you can choose one of them. Last field is Nickname and you have to choose it. After all three field are completed, you can submit your request.	

## Recap

---

- There are four types of documents
- Leaflet - short, non-technical overview about the scope and goal of the pilot
- Pilot Overview - in depth description of the pilot with technical details
- Technical Documentation for each component, mostly links to existing resources
- User Documentation - walkthroughs for common tasks

# Status

## Actual situation

Name	Pilot contact	T4 in charge	Status
CTA	@ Mario Reale	@ Simone Visconti	WORK IN PROGRESS
LS-AAI	@ Kostas Koumantaros	@ Simone Visconti	WORK IN PROGRESS
EGI DARIAH	@ David Hübner	@ David Hübner	WORK IN PROGRESS
LIGO		@ Simone Visconti	TO START
EISCAT_3D	@ Mario Reale	@ Simone Visconti	TO START

# Status

Where we should start...

EPOS			TO START
EGI EUDAT			TO START
EUDAT PRACE			TO START
WLCG			TO START
LifeWatch			TO START
eduTEAMS EUDAT			TO START
eduTEAMS EGI			TO START

# CORBEL/LifeScience

- Defined list of documents
- Quite all informations were available on wiki/documents
- few documents moved in public area

Name		Scope	Status
Leaflet		A brief presentation of CTA scope & results	FIRST DRAFT
Pilot Overview		Describe service, SW, architecture and more..	FIRST DRAFT
Perun	How to create a custom registration page	Provide Perun Documentation	FIRST DRAFT
	How to create VOs manager		PUBLIC
	How to manage groups	Add member to group	PUBLIC
		Remove member from group	PUBLIC
		Set group attributes	PUBLIC
WaTTS			PUBLIC



# CTA

- Defined list of documents
- Information provided by pilot members
- Still work in progress

Name		Scope	Status
Leaflet		A brief presentation of CTA scope & results	FIRST DRAFT
Pilot Overview		Describe service, SW, architecture and more..	FIRST DRAFT
Tech Guide	Comanage	How-to set Comanage	ON GOING
	Grouper provisioning	How-to set Grouper	ON GOING
	SaToSa	How-to set SaToSa (Delayed till SaToSa is ready)	DELAYED
InfoShare		Demonstration of CTA (Delayed till production)	DELAYED

# DARIAH

- Leaflet done
- Work on other documents will start soon

Name		Scope	Status
Leaflet		Short description of DARIAH proxy implementation and EGI interoperability	FIRST DRAFT
Pilot Overview		Detailed description of technical solution	FIRST DRAFT
Technical doc.	Shibboleth IdP		YET TO START
	Shibboleth SP		YET TO START
	LUI		YET TO START
User doc.			YET TO START

# Thank you

## Any Questions?

[simone.visconti@reti.it](mailto:simone.visconti@reti.it)  
[david.huebner@daasi.de](mailto:david.huebner@daasi.de)



<https://aarc-project.eu>



© GÉANT on behalf of the AARC project.

The work leading to these results has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 730941 (AARC2).