



AENEAS WP6

Services

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WP6 Objectives

Tasks	Project Objectives
<p>T6.1 Federated Authentication, Authorization Infrastructure (AAI) and Identity Provisioning (AAI) (Lead: INAF)</p>	<ul style="list-style-type: none"> • Collection of AAI Requirements • Recommendation of approaches and solutions • Proposal of a trust model
<p>T6.2 Interoperable Federated IT Service Management (ITSM) System (Lead: EGI Foundation)</p>	<ul style="list-style-type: none"> • Assessment of existing structures and tools at national level and the relationship with SKA SRCs • Analysis of applicable standards/approaches of federated service management • Recommendation for an operational architecture and core FitSM processes
<p>T6.3 Federated ITSM Support Tools (Lead: EGI Foundation)</p>	<ul style="list-style-type: none"> • Recommendation of tools to support Federated ITSM in the ESDC Network • Piloting of an integrated system of ITSM support tools in different e-Infrastructures supporting the ESDC network

D6.1 Activities

- WP5 Questionnaire Analysis
 - study of the community awareness of AA techniques
 - gathering of additional requirements on user accounts and needs
- Technical Analyses
 - Sharing of new activities in the suitability of the AARC Blueprint Architecture
 - suitability of existing astronomical standards (IVOA standards on AA)
- Agreement on way forward regarding prototyping and pilot projects:
 - Integration of federated AAI into collaborative tools (@Astron)
 - Interoperability layer for the Authorization properties sharing (@INAF)

D6.1 AAI Requirements and AAI Architecture Design (PM24)

Now in progress, covering the following topics:

- First principles – what users want. FAIR data, *what is Federated AAI?*
- AAI background, general requirements
- SKA office requirements for AAI
- AENEAS user community questionnaire
- SKA AAI requirements
 - Identified ESDC technologies (WP3)
 - User interaction models (WP5)
 - ITSM support tools (WP6.3)
- Current AAI technical approaches and solutions
- SKA proposed trust model
- Next steps
 - further evolution/development

Internal Requirements – more input needed from:

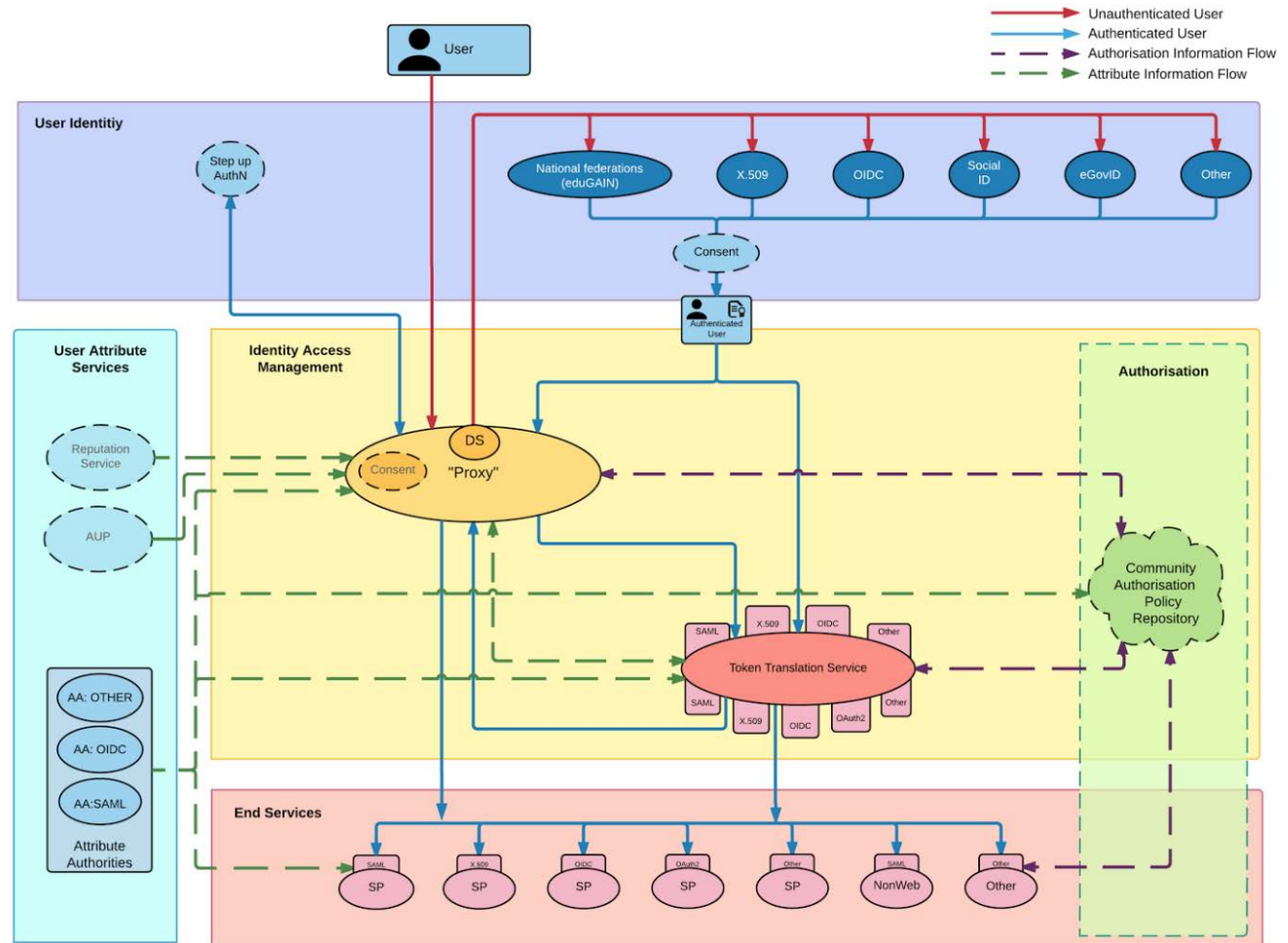
- WP3 – confirmation of identified ESDC component technologies
- WP5 – AAI aspects of UI (D5.3 Design recommendations)
- WP6.3 – ITSM support tools (helpdesk, accounting, monitoring, ops portal)

External Requirements

- SKA and Astronomical community interoperability needs

D6.1 AAI Requirements and AAI Architecture Design (PM24)

Trusted model based on AARC Blueprint Architecture, extended to interoperable approaches to authorization



D6.1 AAI Requirements and AAI Architecture Design (PM24)

Astronomical community A&A requirements :

AENEAS Users Questionnaire
AENEAS Facility Questionnaire
Experience from EGI, IA2,
GEANT....

AENEAS internal Requirements:

WP3
WP4
WP5

Analysis based on interviews and possibly with a survey.

SKA TM AAA Requirement
Specification Document



SKA1 AUTHENTICATION, AUTHORIZATION AND AUDIT TRAIL REQUIREMENT SPECIFICATION	
TM Number	T0700-0000-RS-001
SKAO Number	SKA-TEL-TM-0000041
Context	TM.LMC.RE.RSP
Revision	01
Primary Author	Cristina Knapic
Date	2018-02-28
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Status	Approved

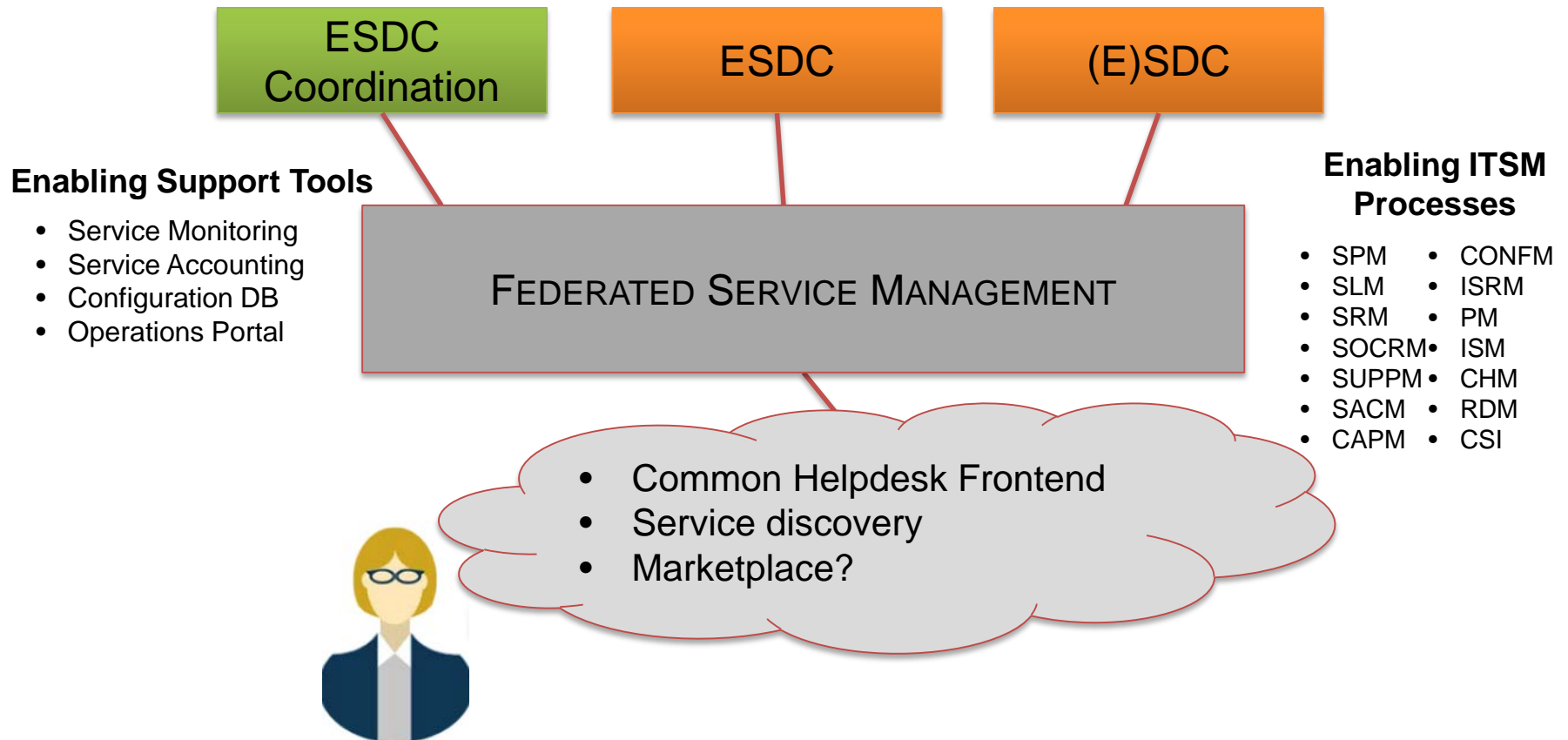
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D6.1 Plans for 2019

- Further refine AAI architecture design
- AAI piloting activities: integration of AAI (where possible):
 - ESDC components
 - User interaction services
 - ITSM support tools
- Write up of above in D6.2 Federated AAI Pilot Results (PM36)

T6.2 - Interoperable Federated ITSM

Federated Operations – Proposed Architecture





T6.2 – Status and Next Steps

- Work now properly kicked off with dedicated effort in place (0.5FTE since September :)
- Collection of information:
 - inventory of national/EU facilities (Task 2.1)
 - analysis of current ITSM usage and pre-requisites (formal service level agreements, service delivery monitoring/support infrastructure,...)
 - current adherence to ITSM and standards/approaches

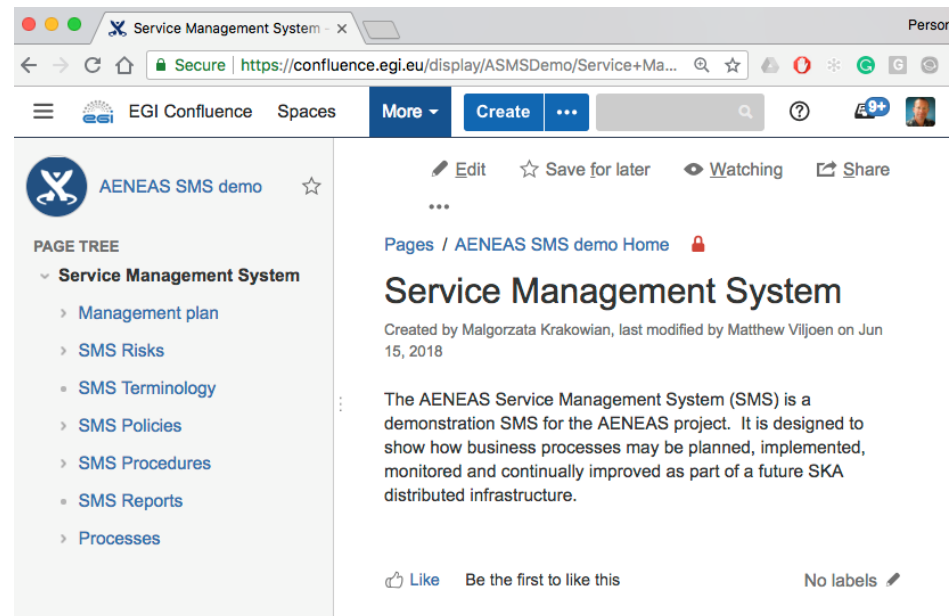
Introducing Björn Backeberg

- T6.2/T6.3 primary person
- Joined EGI Foundation in Sept. Formerly at South Africa CSIC developing and leading large R&D and industrial projects



T6.3 Federated ITSM support tools - Status

- Initial analysis/identification of suitable tools:
 - Helpdesk, Monitoring, Accounting, Configuration DB
- Setting up prototype Integrated Service Management System (SMS) covering all 14 FitSM processes



Service Management System - x

Secure | <https://confluence.egi.eu/display/ASMSDemo/Service+Ma...>

EGE Confluence Spaces More Create

AENEAS SMS demo

PAGE TREE

- Service Management System
 - Management plan
 - SMS Risks
 - SMS Terminology
 - SMS Policies
 - SMS Procedures
 - SMS Reports
 - Processes

Pages / AENEAS SMS demo Home

Service Management System

Created by Malgorzata Krakowian, last modified by Matthew Vijjoen on Jun 15, 2018

The AENEAS Service Management System (SMS) is a demonstration SMS for the AENEAS project. It is designed to show how business processes may be planned, implemented, monitored and continually improved as part of a future SKA distributed infrastructure.

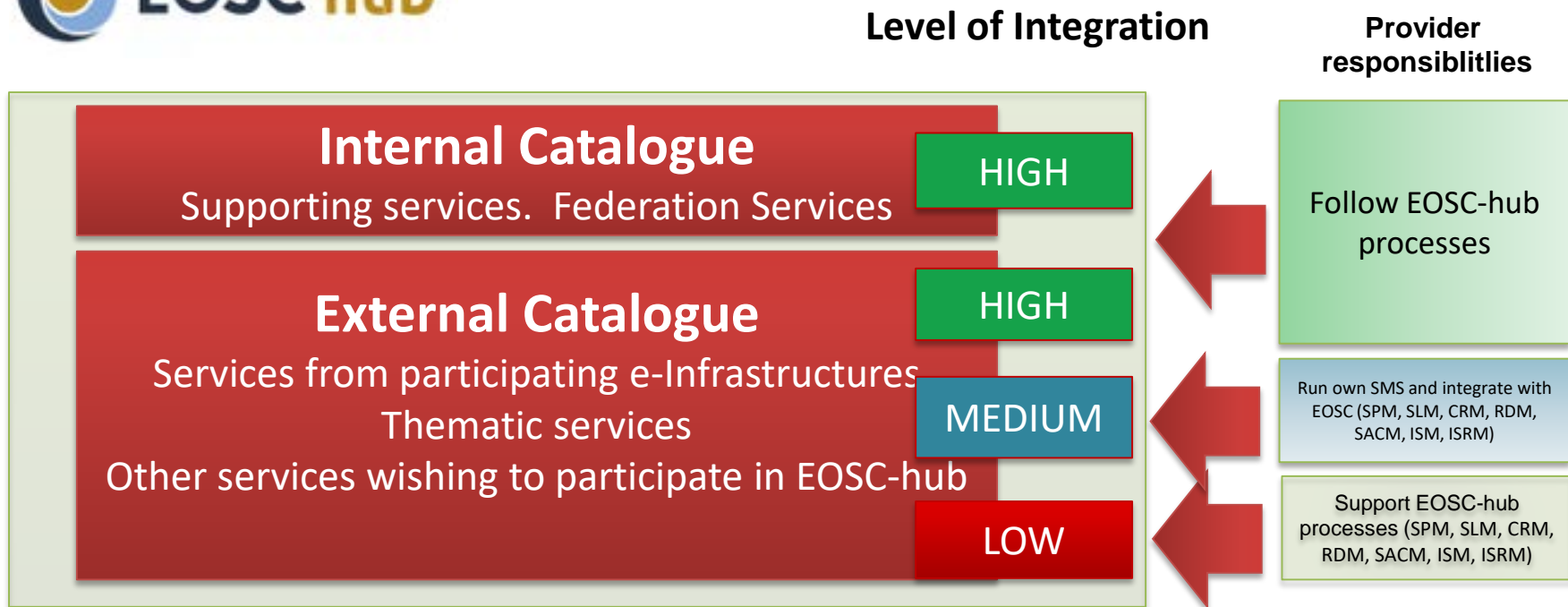
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Interoperability with European Open Science Cloud (EOSC)

- Mature SMS key to higher level integration



EOSC-hub SMS





T6.3 – Next Steps

- Clarification of scope
 - ITSM pilot (in DoA) vs recommendations (D6.3)?
- Instantiation of ITSM support tools:
 - helpdesk, monitoring, accounting? ...
- Integration of tools into components where possible
 - UI services, computing, networking?
- Population of prototype SMS with suitable information
 - services, service providers, user communities etc.
 - Maybe privacy/political issues – maybe example information is sufficient
- Helping with follow-up after AENEAS
(ideas on following slide)

AENEAS ITSM Training and Dissemination

- Can't assume T6.2/T6.3 outputs can be easily adopted following Deliverable 6.3
- Training and dissemination not in WP6 project plan
- Targeted training of ITSM (FitSM) and introducing AENEAS Prototype SMS to SKA Office and prospective SRC providers at dedicated workshop
- Could take place in 2019, organized by EGI within AENEAS
- Help with future sustainability and efficient service delivery