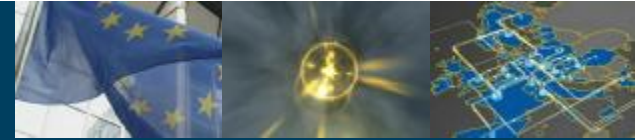


JRA5: Roaming and Authorisation

Jürgen Rauschenbach, DFN-Verein
7th TF-EMC2 Meeting, Malaga
16 –17 October 2006



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Introduction

- JRA5 will build a European Roaming Infrastructure based on eduroam
- JRA5 will pilot and build the federated support for existing Authentication and Authorisation Infrastructures for Research and Education, this will be called eduGAIN
- The combination of the two will allow for access to network and to services with a single login (SSO)
- Advanced technologies will be integrated into these infrastructures where appropriate
- JRA5 consists of the following main parts:
 - Part 1: Roaming
 - Part 2: AAI
 - Part 3: SSO
 - Part 4: Integration of advanced technologies



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Introduction (2)

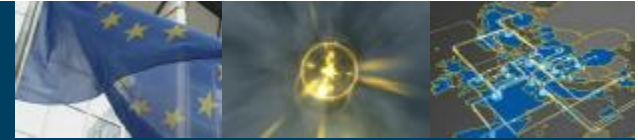
- Number of partners is 16 (NRENs), Number of participants has grown to 111 (mailing list), with contributions from around 30 active persons
- Partners are ARNES, CARNet/Srce, CESNET, Dante, **DFN**, FCCN, GRNET, HEANET, HUNGARNET, ISTF, **NORDUnet** (CSC, UNI-C, UNINETT, University of Umea), **RedIRIS**, RESTENA, **SURFnet**, SWITCH (different involvement in project parts)
- Collaboration/liaison with
 - many groups: TF-Mobility, TF-EMC2, GN2 activities (JRA1, SA3, JRA3), international groups like eduroam gwg, SALSA FWNA (Internet2), MACE, TF-NGN, DICE, GGF, eConcertation
 - and projects: Akogrimo, EGEE2, Lobster



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Year 2 - Objectives

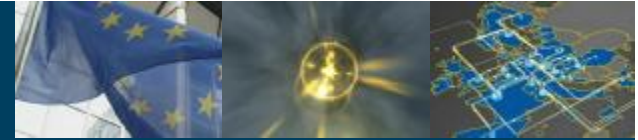
- Preparation of the eduroam service (organisational)
- Technical enhancement of the current infrastructure
- Implementation of the components of the AAI architecture according to the specification and creation of test cases
- Development of a profile for the specific requirements of GN2 activities (JRA1 based right now)
- Definition of SSO requirements and provision of SSO concepts that match these requirements



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Year 2 - Achievements

- Roaming achievements:
 - GÉANT2 roaming policy and legal framework (DJ5.1.3,1)
 - Integration of **all** JRA5 partners into the eduroam infrastructure
 - eduroam confederation policy document (DJ5.1.3,2)
 - Description of the eduroam architecture (DJ5.1.4) with the decision to bring RadSec on a standards track by writing an Internet-Draft for the IETF radext working group
 - Discussion and draft of the 1st version of the user guidelines document “Roaming cookbook” DJ5.1.5

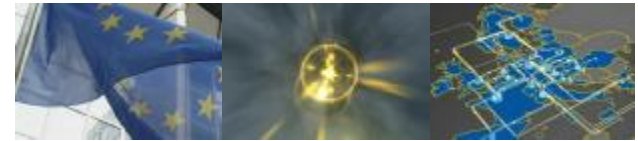


JRA5 Transition to Service

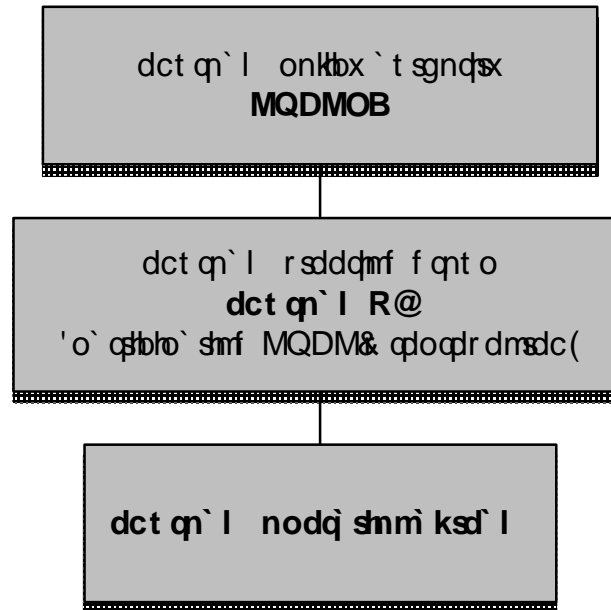
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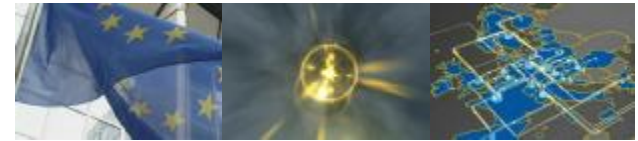
- The first JRA5 service will be the **eduroam confederation service**
- According to our roadmap the service will start in April 2007
- Users will be the NREN based eduroam federations, providing the service to end users in their member institutions
- The service will be conducted by the eduroamSA, that will establish the eduroam operational team (3-4 persons) for daily service handling.
- Funding from the GN2 budget will be requested for
 - eduroamSA leader
 - eduroam operational team members
 - eduroamSA members on request (for the rollout phase only)

eduroam organisational structure



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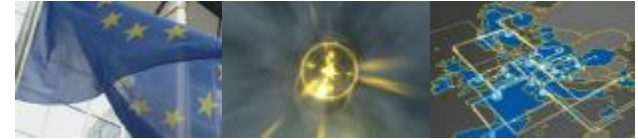
Eduroam participants

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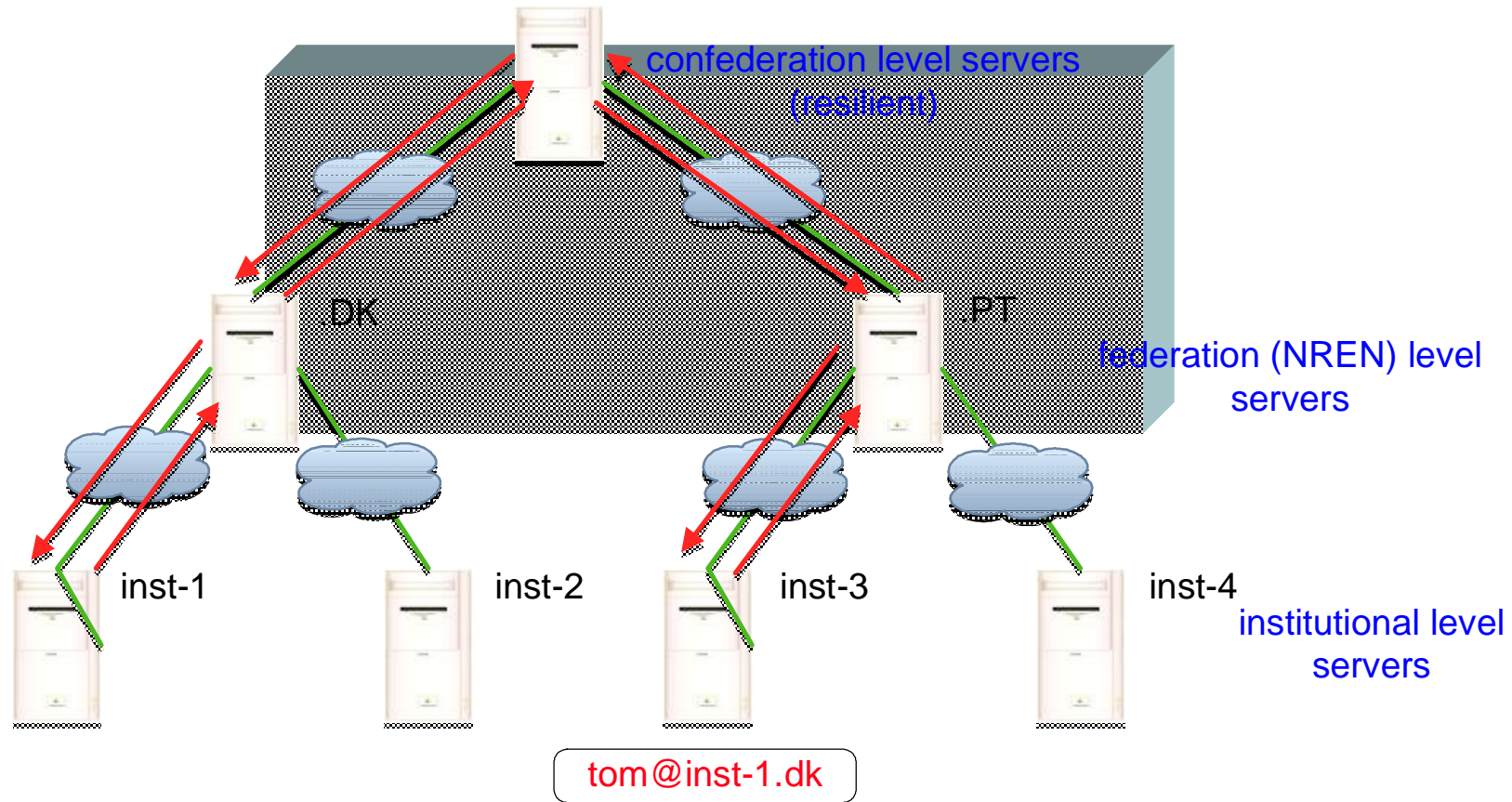
- European Root
- NRENs that have joined
- NRENs that are in the process of joining

>>> ASIA MAP

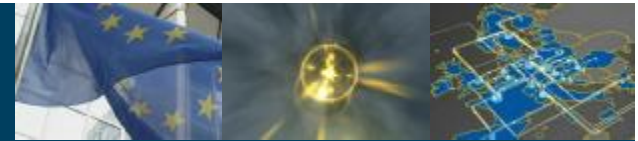


Euroam RADIUS hierarchy

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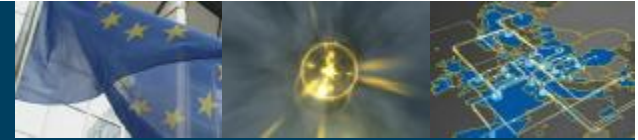


eduroamSA tasks



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- eduroamSA is different from JRA5/TF Mobility, non-JRA5ers are not only welcome, but needed!
- Main task of eduroamSA is to conduct the eduroam service:
 - Diagnose tools and scripts to be used, integration of further results from JRA5/TF Mobility (RadSec, implementation of trust means,...)
 - Further policy development in coordination with JRA5/TF Mobility
 - Dissemination work, maintenance of the web pages, publication of graphs and statistics
 - Support for new members, material for training events
 - Assignment of the operational team

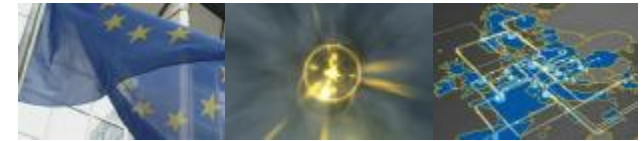


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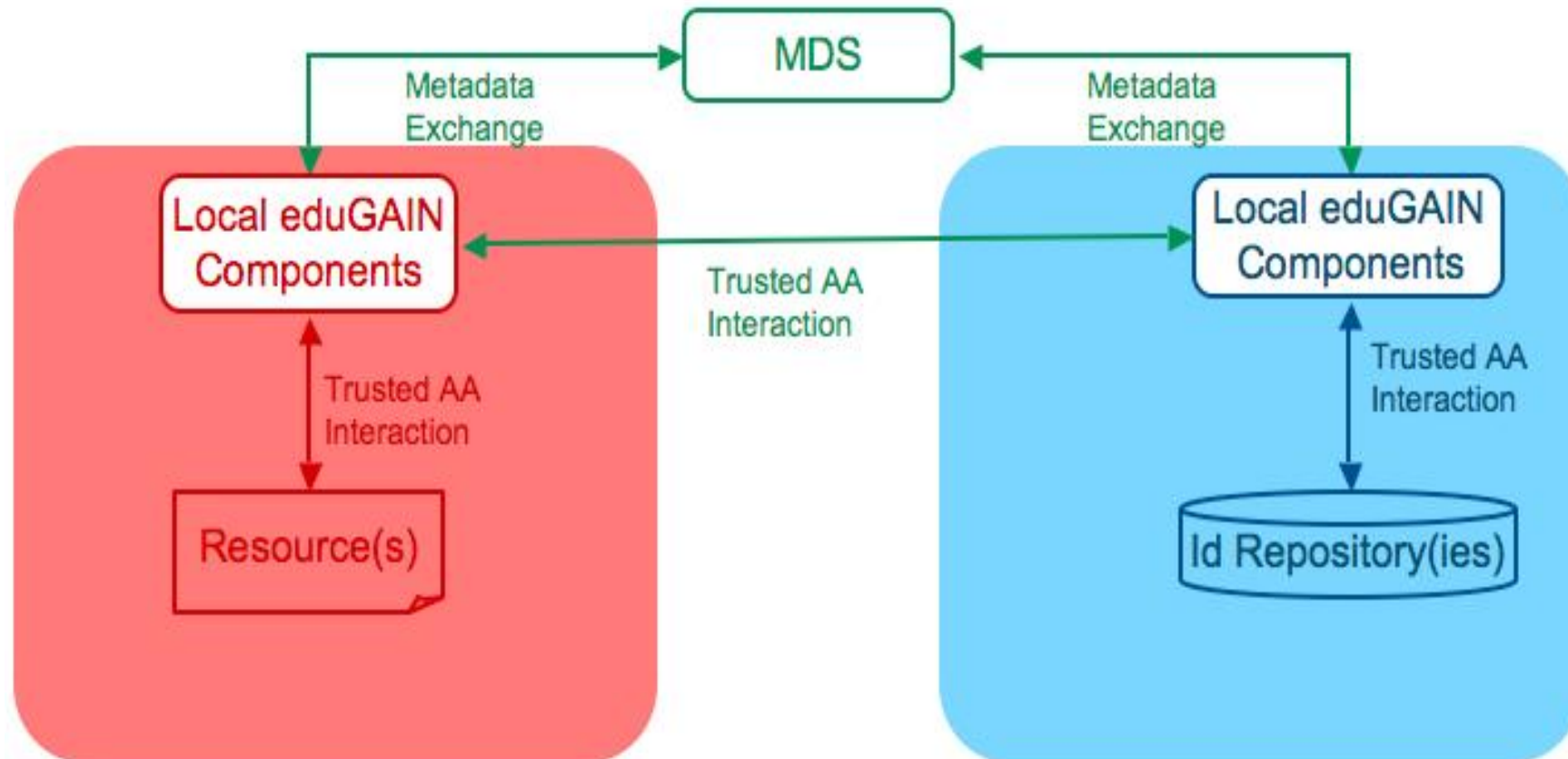
Year 2 – Achievements (2)

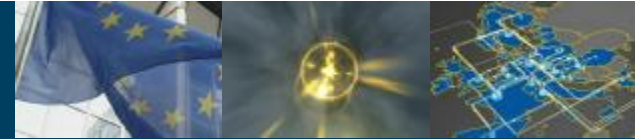
- AAI achievements
 - Specification of the AAI architecture (DJ5.2.2)
 - Implementation of the AAI basic components (this resulted also in a number of changes leading to DJ5.2.2bis, that will be turned into an official JRA5 document in year 3)
 - Start of implementation of bridging elements (Shibboleth, Liberty Alliance/FEIDE, PAPI)
 - Development of the initial 2 profiles (web services, automated clients)
 - Support of the GÉANT Identity Provider (GIdP) project
 - 1st version of the guidelines for connecting to eduGAIN document “AAI cookbook” DJ5.2.3 provided

Linking federations with the means of eduGAIN



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Year 2 – Achievements (3)

- SSO achievements
 - Discussion of the SSO requirements and first draft of the requirements document DJ5.3.1
 - Establishment of the DAME subproject (Deploying Authorization Mechanisms for Federated Services in eduroam), already started with University of Murcia and University of Stuttgart as partners of Red.es and DFN-Verein
- SSO changes
 - Shifting some planned results to a later date and turning one document (SSO survey) into a milestone (internal document). This relates to the subproject DAME that is supposed to provide input but will not produce an official JRA5 document in year 3.



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Conclusions/Summary

- eduroam transition to service
- Rollout needs support
- AAI component implementation progressing
- Initial profiles defined
- Tests with real federations soon
- Forming an eduGAIN confederation by adding a policy to the infrastructure is on the agenda
- SSO requirements and model under discussion
- DAME started