



**Secure Management of Information
across multiple Stakeholders**

SEMIRAMIS

Copenhagen, 22.09.2010
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Overview

- **SEMIRAMIS Project**
- **Goals and Project Phases**
- **Scenarios and Use Cases**
- **Technologies**
- **Expected Results**

SEMIRAMIS Project

- **SEMIRAMIS - Secure Management of Information across Multiple Stakeholders**
- **9 Partners**
 - Companies: Atos Origin, Engineering Ingegneria Informatica, Portugal Telecom, Postecom, Polska Telefonia
 - Public Institutions: University of Stuttgart, University of Murcia, Ceuti City Council
- **Duration: 30 months**
- **Start: 10.03.2010**
- **ICT Policy Support Programme (PSP)**

Goals and Project Phases

- **Infrastructure for e-services**
- **Enabling secure access to data across organisations**
 - Public and private organisations – telco, university, town hall...
 - Governmental representatives and citizens (and students)
- **Project Phases**
 1. Inception: Scenarios and Use Cases, Architecture
 2. Elaboration: Specification, Design
 3. Construction: Integration, Development, Monitoring
 4. Production: Pilot
 5. Transition (to service)

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Scenarios and Use Cases

- **Scenario 1: „e-Doc Services for Citizens“**
→ Citizen moving to another country, for a longer period of time
- **Scenario 2: „Roaming Student“**
→ Student moving to another country to study abroad
- **Scenario 3: „Tax Inspector“**

Scenarios and Use Cases

- **Scenario 1: „e-Doc Services for Citizens“**
 - **Job Hunting:** A citizen wants to apply at a company in a foreign country and therefore data about his previous work is transferred from his previous company.
 - **Public Education Access:** A citizen wants to register his child at a public school in a foreign country, therefore data such as family information and academic information has to be exchanged.
 - **Telco Services:** A citizen wants to get telco services in a foreign country, provided by a telco in that country, but using data from his home country.
 - **Certificate of Residence:** A Citizen needs a CoR from the foreign country he moved to, and therefore needs a CoR from his home country where he came from.

Scenarios and Use Cases

- **Scenario 2: „Roaming Student“**
 - **Matriculation:** A student wants to study at a foreign university and applies using his home university account and by transferring data about him/her.
 - **Apply for Courses:** The student has been matriculated and wants to apply for courses, but those have preconditions, therefore data about his studies is to be transmitted.
 - **Request Communication Services:** A student wants the same services as at home – service profile from home telco, but now from foreign telco.
 - **Economic Aid:** A student studies at a foreign university and wants to apply for economic aid in his home country.

Scenarios and Use Cases

- **Scenario 3: „Tax Inspector“**
 - **Request Certificate of Residence:** A person (suspect) claims to live in another country – contact the town in that country and ask for certificate of residence.
 - **Request Criminal Information:** Similar to above, but requesting information from different (maybe multiple) sources
- **Probably in cooperation with Finance Ministry of Baden-Württemberg**
- **Access to user data not by the citizen himself but by lawful interception**
- **Realisation is optional**

Technologies

SEMIRAMIS builds on...

- **Identity Federation, SAML 2, OAuth**
- **eID, national authentication mechanisms**
- **Existing infrastructures: eduGAIN, eduroam**
- **Outcomes of projects: STORK, DAME, SWIFT**
- **Existing tools and products:**
 - IDEAS – identity and role management
 - WebRAO – PKI based certificate services
 - RIGER – compliance and auditing

Expected Results

■ **Public Deliverables**

- Esp. „Overall Architecture“ (Nov. 2010)

■ **Pilot**

- Realising the SEMIRAMIS architecture
- Enabling selected use cases of the 3 scenarios
- Cross-border and cross-organisational
- One year operation
- Monitoring, continuous evaluation and improvement
- Real users



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