



EGI-LifeWatch Competence Center (Preliminary) AAI requirements

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LifeWatch: Case Studies

- LifeWatch is an **e-science** and technology infrastructure for **biodiversity and ecosystem research** to support the scientific community **and other users**.
- It is putting in place the infrastructure and information systems necessary to provide an analytical platform for the **modeling and simulation** of both existing and new data on biodiversity to enhance the knowledge of biodiversity functioning and management
- Example of case studies:
 - **Invasive species**
 - **Evolution of wetlands**
 - **Evaluating the ecological quality of habitats**

Different roles:

- researchers
- managers
- SMEs involved
- citizens

- **“The” use case complexity**
 - Researchers (from different fields, genetics incl.)
 - Management
 - SMEs working on environmental/biodiversity
 - Citizen science
- **Current AAI status of your community/research infrastructure**
 - Institutional Authentication + local authorization
 - Institutional ldap
 - LifeWatch VO for EGI Grid resources + **FedCloud**

PARENTHESIS DUE TO REAL LIFE...

- **A question not involving users...**
- **We will deploy/manage across FedCloud sites**
 - **Ex, a manager in Belgium handles VM in Spain to start an R server instance (dynamic cloud)**
 - **But also deploy directly a SQL server (on VMware) (kind of static cloud)**

A common (EU wide) agreement would help a lot to discuss with our authorities!

(of course it can be solved within LW, but not if we reuse FedCloud IaaS)

- **Needs and expectations from an AAI integration in the EGI infrastructure**
 - Any solution must be **“open”**
 - We'd prefer not to use any id linked to a “closed” provider
 - **We need to authorize properly to anonymous users**
 - We need Web access and non-web access
 - We can delegate for complex workflows
- We need support for different level of assurance credentials, and need to use the information about users with lower level of assurance credentials to limit their capability
 - But our requirements for high level of assurance credentials (e.g. to access confidential/sensitive data) are **LOW**
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- If you are using federated access: What are the key requirements that your community has and that haven't been met yet by the existing infrastructure?
 - Can we make it easier?
 - Is electronic-ID a solution?
 - We use it to pay taxes, vote, etc.
 - We don't have enough experience yet
 - Ex: SME we were not able to convince them to use certificates

Thank you for your attention.

Questions?



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