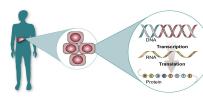


ELIXIR EGA AAI: enabling Sensitive data access

- Data Access Committees (DACs) control research access to sensitive data resources e.g. national health cohorts (Finrisk, Nordicdb). Research on such data need an authentication and authorisation infrastructure (AAI).
- Federated identity management for research (FIM4R) working group
- ELIXIR AAI (authentication) pilot. CSC, EBI, FIMM, EGI.eu. Produces a proof-of-concept resource entitlement tool "REMS" for authorisation for sensitive data providers. Leverages eduGAIN. Delivery in April 2013



Legislation and/or commercial interests restrict movement of sensitive data

Every national health system will need expertise to interpret sequence data and treat patients accordingly.



Broader context: Federated Identity Management for Research Collaborations

- http://cds.cern.ch/record/1442597
- Status of the activities in research communities
- Use cases
- Recommendations



Status

user community	other projects	# users	chosen technology	status	IGTF
		>30,000 visiting			
photon/neutron		researchers per			
facilities	EUROFEL, PanData, CRISP	year	Shibboleth/SAML	Umbrella prototype	no
		Hundreds now,		Prototype CLARIN	
		potential for		Service Provider	
Social Sciences	DARIAH, CLARIN, CESSDA,	10000+ across		federation deployed	
and Humanities	DASISH, Bamboo	SSH	Shibboleth/SAML	in 3 countries	yes
high energy					
physics	WLCG	10,000+ globally	X509	Production	yes
	Earth System Grid				
	Federation, GENESI-DEC,				
	CMIP5, Metafor, IS-ENES,				Not yet but
	CORDEX, Exarch, Climate		OpenID, X.509 and	Production - earth	foresee for EGI
earth sciences	Data Exchange	5000+ for CIMP5	SAML	system grid	integration
				Security is included	
		3 million		in BioMedBridges	
	ELIXIR, BioMedBridges,	researchers		project workplan and	
	BBMRI, NCoEDG &	access data via		a pilot project is	
	potentially 10 BMI ESFRI	EBI website each		being planned with	
life sciences	projects	year	not chosen yet	EGI	no



Federated Identity Management Recommendations

- Risk Analysis from the point of view of a research infrastructure provider to reassure the security officers
- Pilot Studies Ongoing: Umbrella photon/neutron physics, ELIXIR AAI pilot and BioMedBridges biomedical, CLARIN humanities
- Funding model and governance structure common policy and trust framework

- Credentials revocation issued by the IdP upon an incident
- Separation of Authorization and Authentication formal separation of the authentication performed by the IdP and the authorization performed on behalf of the SP
- Attribute delegation support attribute authority by the research community in addition to the IdP and SP e.g. data access committee
- Levels of Security "no one size fits all "

