

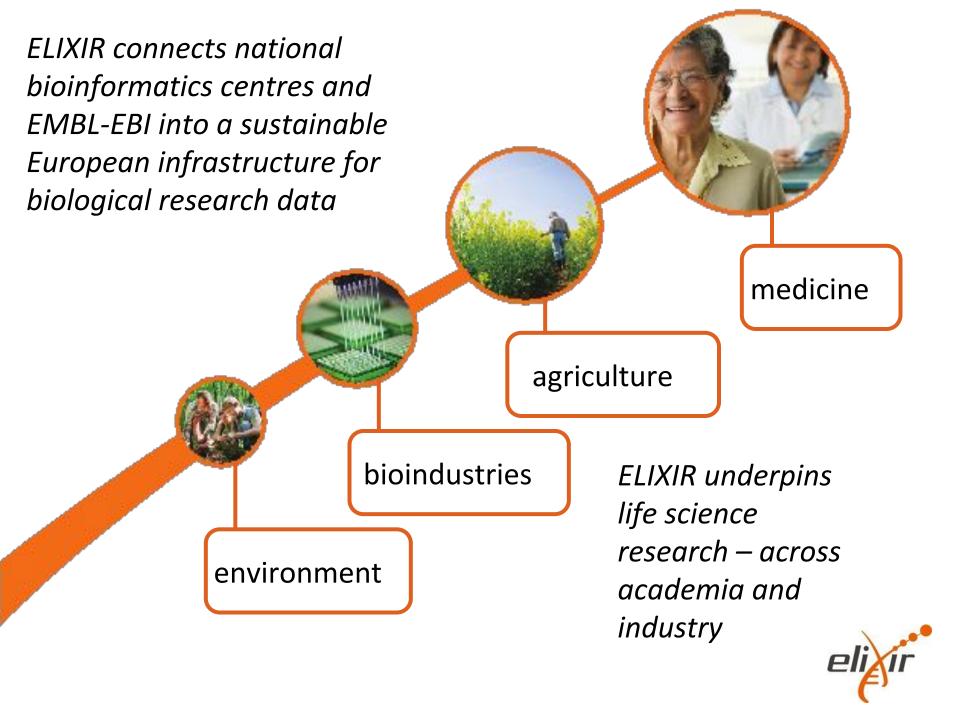
ELIXIR AAI

FIM4R 2017

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www.elixir-europe.org



ELIXIR AAI history – where we are now

- Use case gathering -- Autumn 2014
- Requirements and design Spring 2015
- Deployment starts -- Autumn 2015
- First release -- Autumn 2016
 - Until that ELIXIR AAI in pilot status
 - Key components up and running already
- Today
 - Key components are in production



The stack

Human data community

Rare disease community

Marine community

Plant community

etc

ELIXIR (ELIXIR AAI)

e-infrastructure AAIs (EGI Check-In, GEANT eduTeams, EUDAT B2ACCESS)

Federations (eduGAIN)

Google, ORCID...

Network (GEANT)



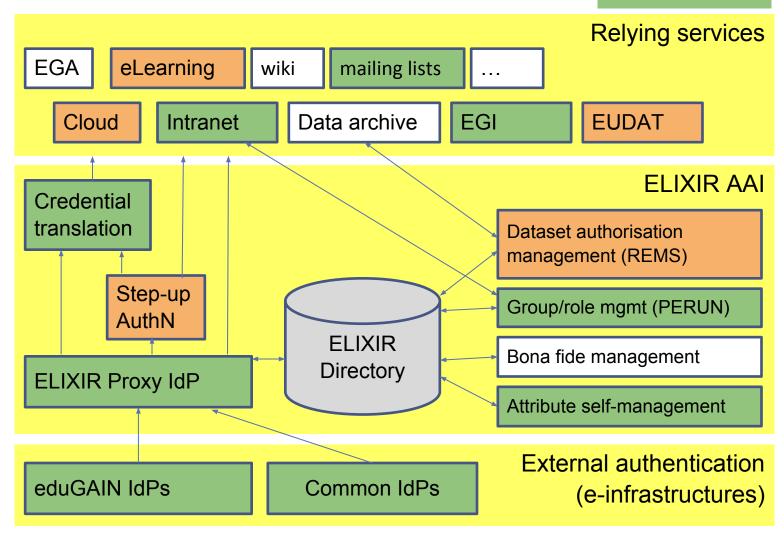


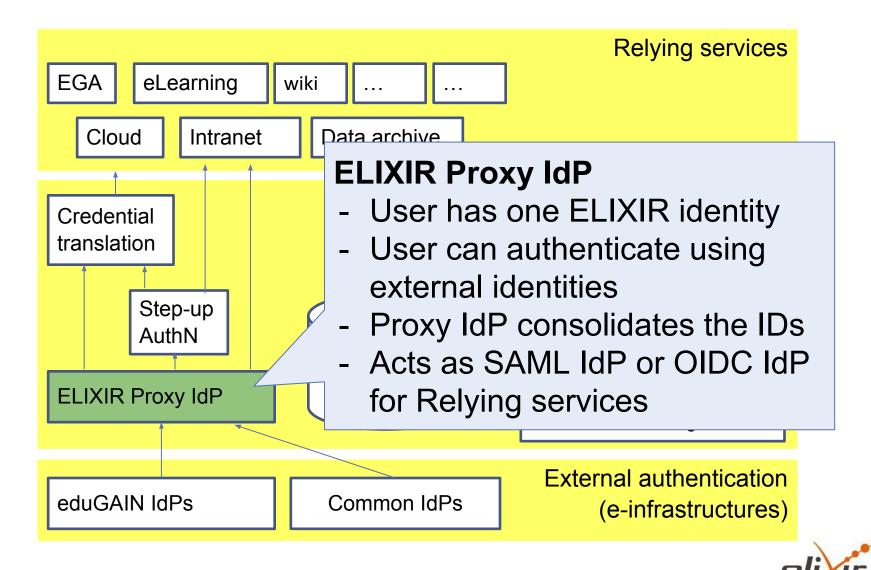
Design of ELIXIR AAI



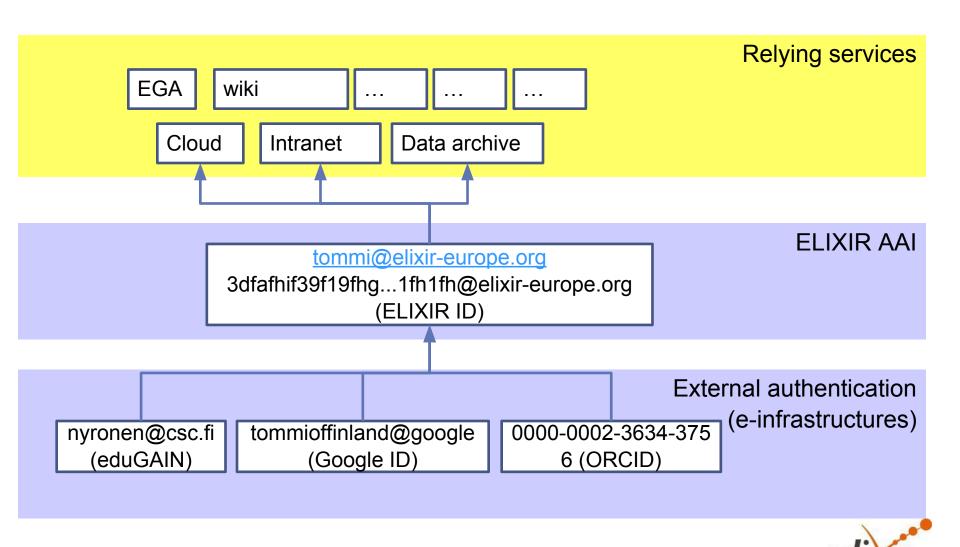
Work in progress

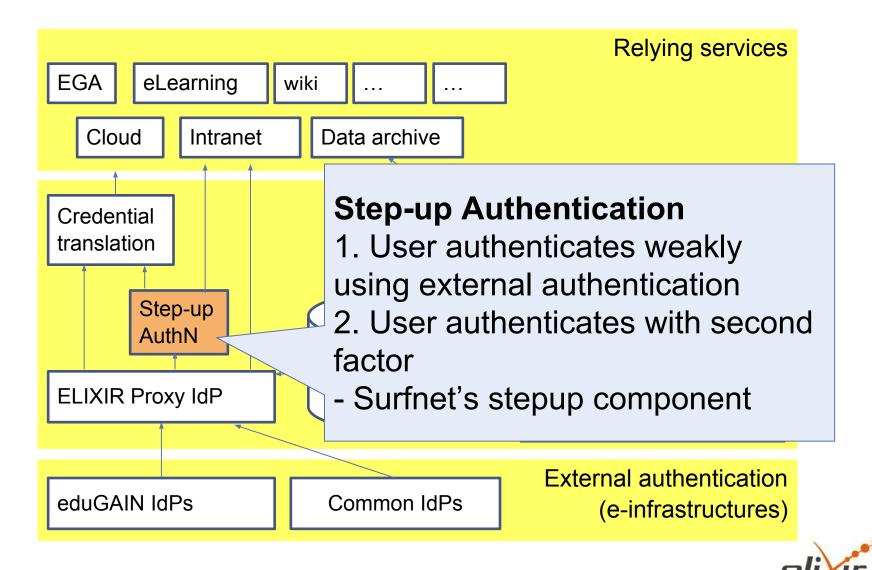
Completed

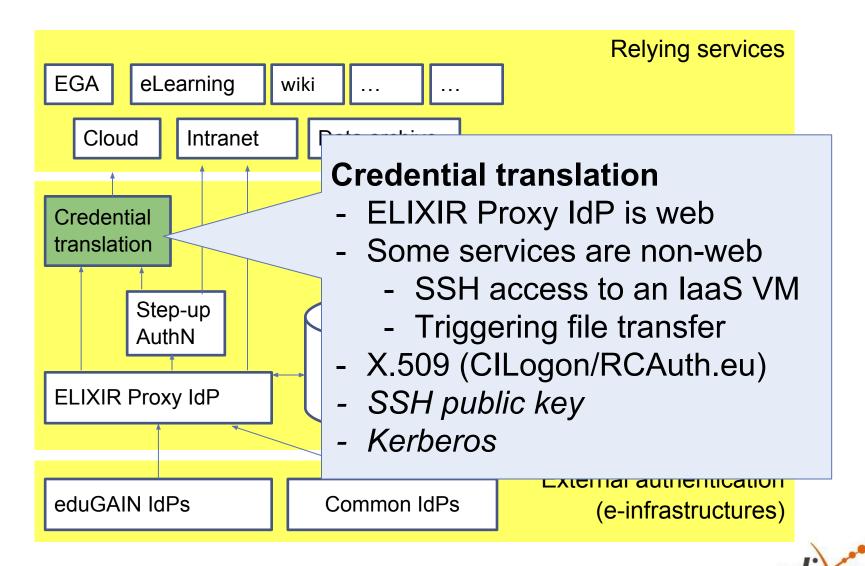


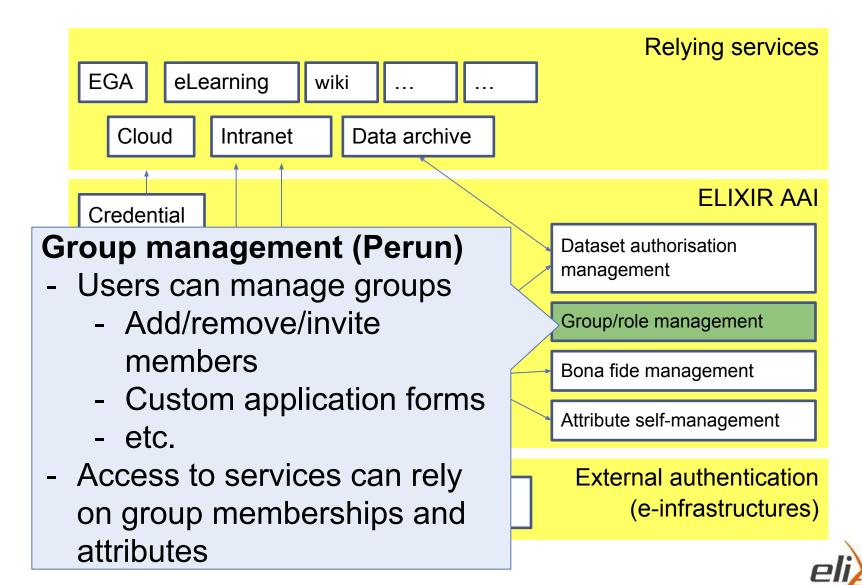


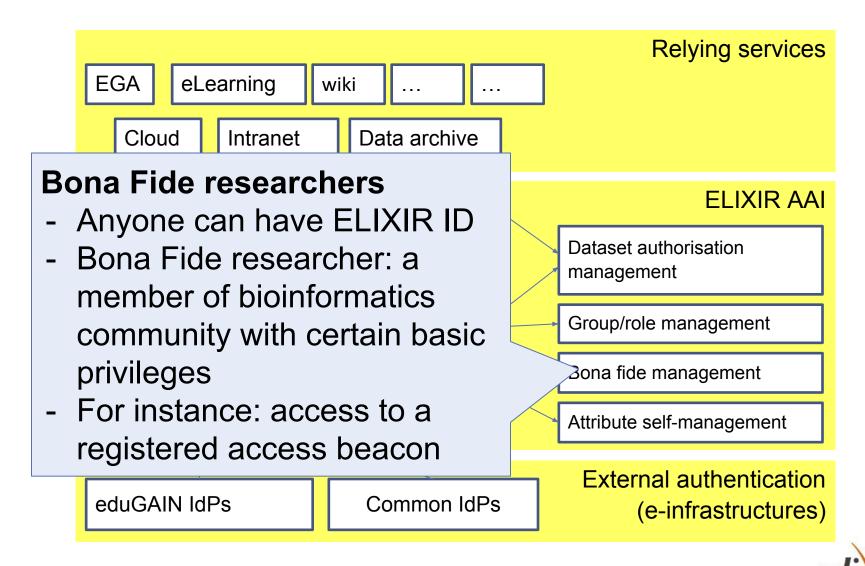
ELIXIR identity

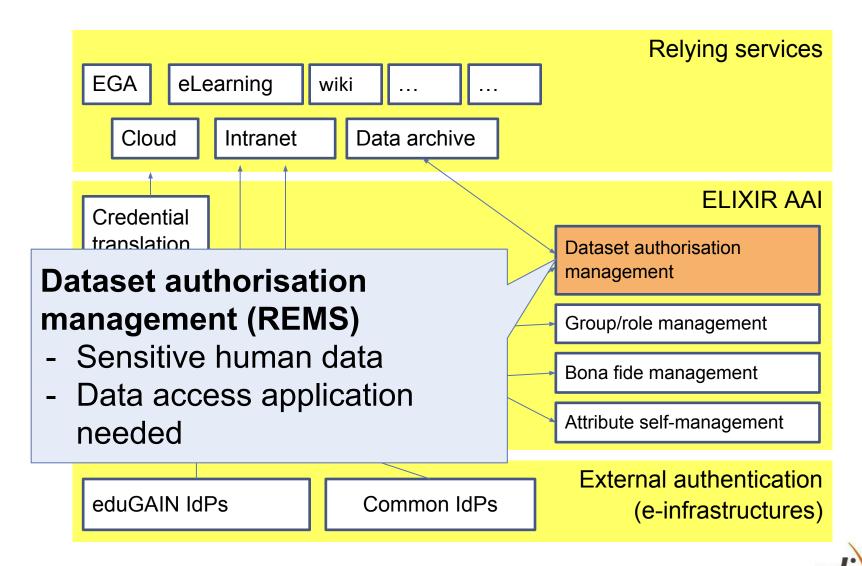










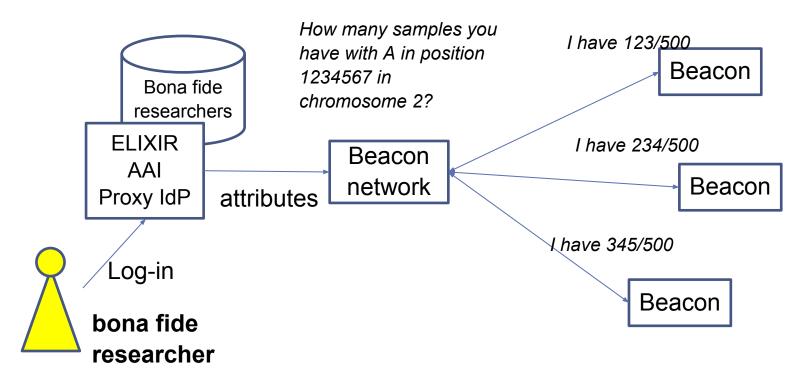




Use case: **ELIXIR Beacon**



Beacon – registered access



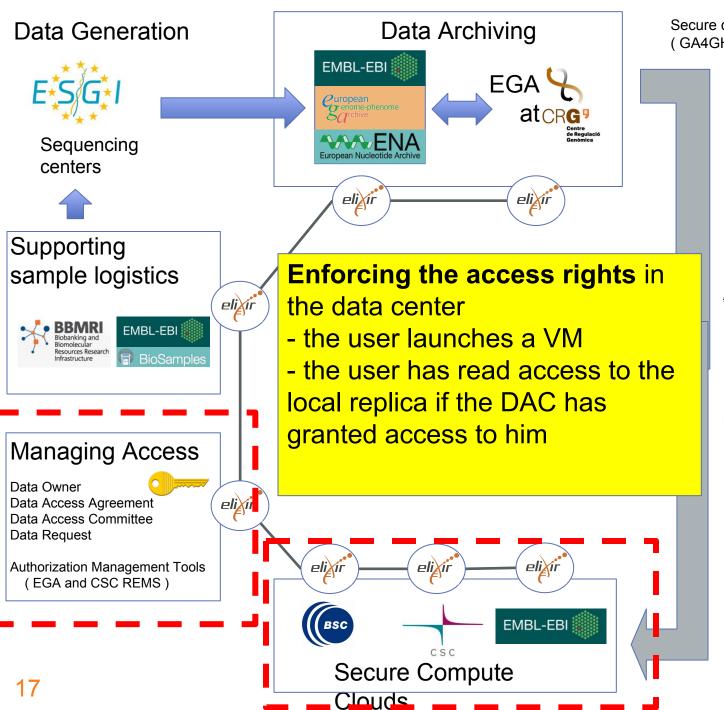
- ELIXIR AAI keep record on bona fide researchers
- ELIXIR AAI use OAuth2/OpenID Connect to deliver the bona fide attribute to the Beacon network & beacons
- Each beacon enforce access control





Use case: Sensitive human data





Secure data access remote API (GA4GH)

High speed encrypted data transfer

GridFTP/Globus/A spera



Bringing users to data



Thank you

