

# Aila Service Portal

*Aila service portal brings together all FSD customer service interfaces. Portal was officially opened on May 13th, 2014.*

*Build at FSD, funded by grant from the Academy of Finland.*

*Matti Heinonen & Tuomas J. Alaterä*

The image shows a collage of screenshots from the Aila Service Portal. The top screenshot displays the portal's header with the Finnish Social Science Data Archive logo, the 'Aila' logo, and navigation links for 'Data', 'Search', and 'Help'. It also includes a user greeting 'Hello visitor!' and options for 'Login' and 'Register'. Below this, a search interface is shown with a search bar containing 'canada' and various search filters. Another screenshot shows a detailed description for dataset FSD2408 'Aged Canadian Finns 2004', including tabs for 'Overview', 'Detailed description', 'Variables', 'Related Publications', and 'Download data'. A cartoon character, a blue cube with a face and arms, is holding a sign that reads 'services.fsd.uta.fi'.

## Current services

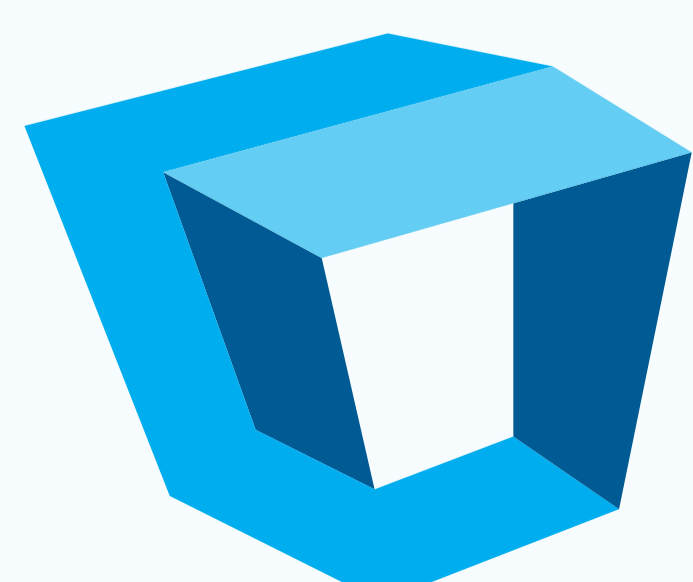
- » Browsing and searching FSD's data catalogue
- » User registration
- » Downloading data for registered users
- » Federated access for users from Finnish HE institutes<sup>1</sup>
- » Alternate login for other users

## Forthcoming services include

- » OAI-PHM service for FSD's data holdings
- » Entitlement service for resources requiring separate access permits using REMS<sup>2</sup> system
- » Other services will follow

<sup>1</sup> <https://confluence.csc.fi/display/HAKA/In+English>

<sup>2</sup> <https://confluence.csc.fi/display/REMS/Home>



YHTEISKUNTATIETEELLINEN TIETOARKISTO  
FINLANDS SAMHÄLLSVETENSKAPLIGA DATAARKIV  
FINNISH SOCIAL SCIENCE DATA ARCHIVE



# Metka metadata database

*Metka is intended as FSD's internal data documentation tool. Together with Aila, it will provide the backbone for working with our data holdings. Metka will be operational in spring 2015.*

*Contract built for FSD, funded by grant from the Academy of Finland. Metka is open source<sup>1</sup> and development work is ongoing.*

*Matti Heinonen & Tuomas J. Alaterä*

The image displays several overlapping screenshots of the Metka web application. The top screenshot shows a navigation menu with options like 'Työpöytä', 'Eksperthaku', 'Aineistot', 'Muuttajat', 'Julkaisut', 'Sarjat', 'Mapit', 'Raportit', and 'Asetukset'. Below this is a search bar and a 'Kirjautu ulos' button. The middle screenshot shows a detailed view of a record for 'Aineisto - Aineistonumero 609 - Revisio 1 - LUONNOS'. It includes fields for 'Aineiston nimi', 'Aineiston numero', 'Aineiston laatu', 'Julkaisu', 'Hankinta-aineistinumero', 'Anonymisointi', 'Aineiston kuvailun julkaisu', 'Datan saantipvm', 'Tietosuoja', 'Sarja', 'Valmis pvm', and 'Alkuperäinen sijainti'. The bottom screenshot shows a 'Viittaustiedot' section with a table of references and an 'Asiasanat ja tieteenalat' section with a table of keywords and disciplines. A cartoon character, a blue cube with a face and arms, is holding a sign that says 'Fork me on GitHub!'.

## Metka will contain

- » tools for documentation
- » metadata for studies and variables
- » administrative data concerning studies
- » complete revision history for changes in documentation

## Metka will support

- » multilingual documentation of data
- » consistent and harmonized documentation practices
- » simpler repurposing of metadata for service building
- » data information services

<sup>1</sup> Available at <https://github.com/Tietoarkisto/metka>





# Underlying infrastructure

Matti Heinonen & Tuomas J. Alaterä

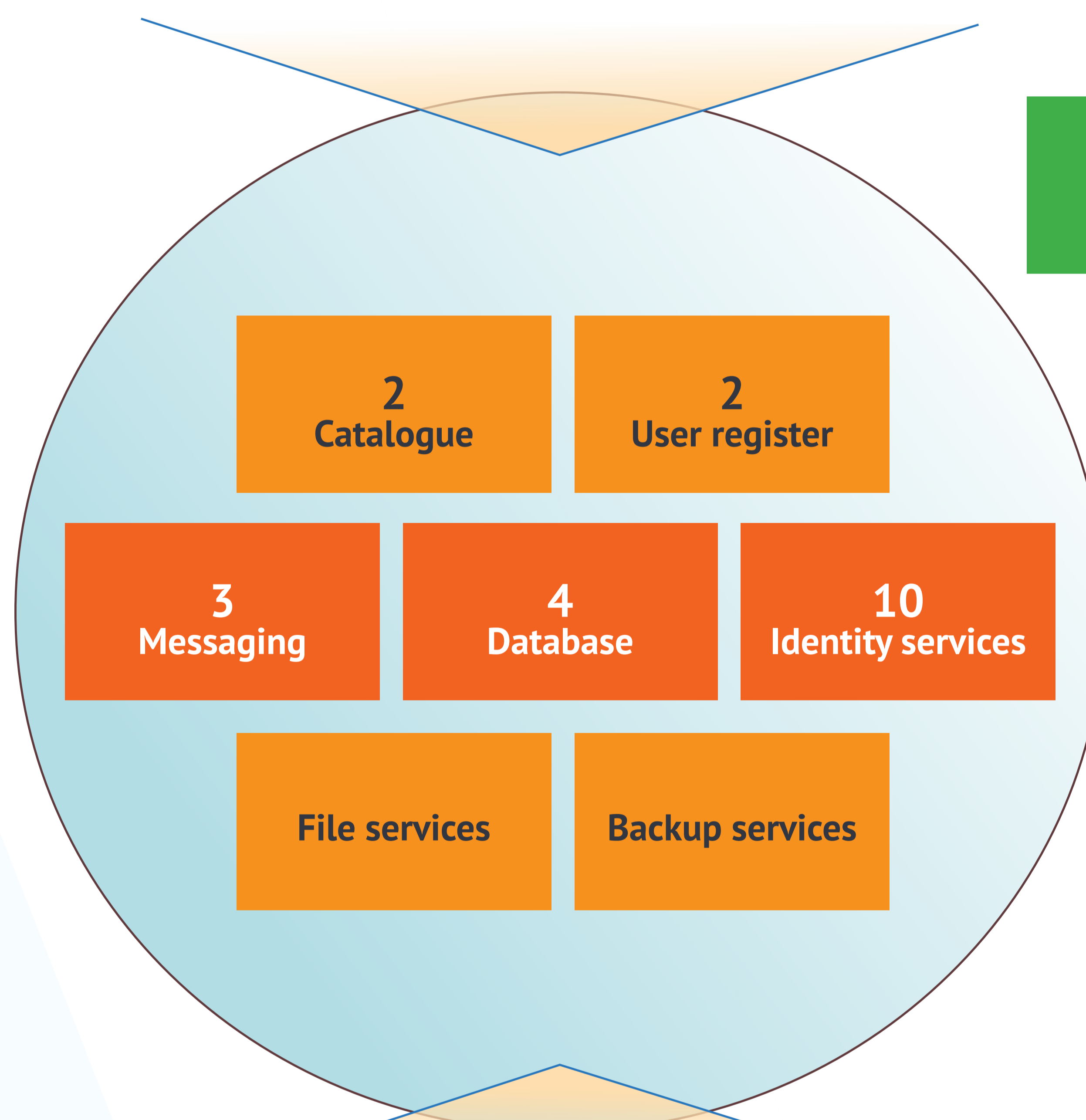
## Our customers

1. Static pages are served by Apache. Services are proxied through to actual implementations. Protected resources use Shibboleth.



7. OAI-PMH service for FSD's metadata records is implemented in Python using Pyramid framework. DC and EAD records are served.\*

2. Catalogue functionality (search, browse, download) and user register functionality (registration, user management) are implemented in Python using Pyramid framework. Genshi templates are used for page rendering, Xapian for search functionality and SQLAlchemy for database access.



8. Identity services for Finnish HEI's use HAKA identity federation. They are SAML/Shibboleth based and offered by CSC.

3. Notification services (AMQP) use RabbitMQ.

4. Database services use PostgreSQL for data storage. Data content is either relational data or JSON CLOBs.

9. Remote entitlement services for access applications requiring special permissions use REMS service provided by CSC.\*

10. Identity services for customers outside HAKA are implemented as Shibboleth 2 IdP.

5. Metadata management and production services are written in Java and JavaScript using Spring framework. SOLR is used for search functionality.\*



6. Operational data management services are implemented in Java. They use CORBA for communication and offer GUI client for data managers.

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\* Not yet production ready



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