

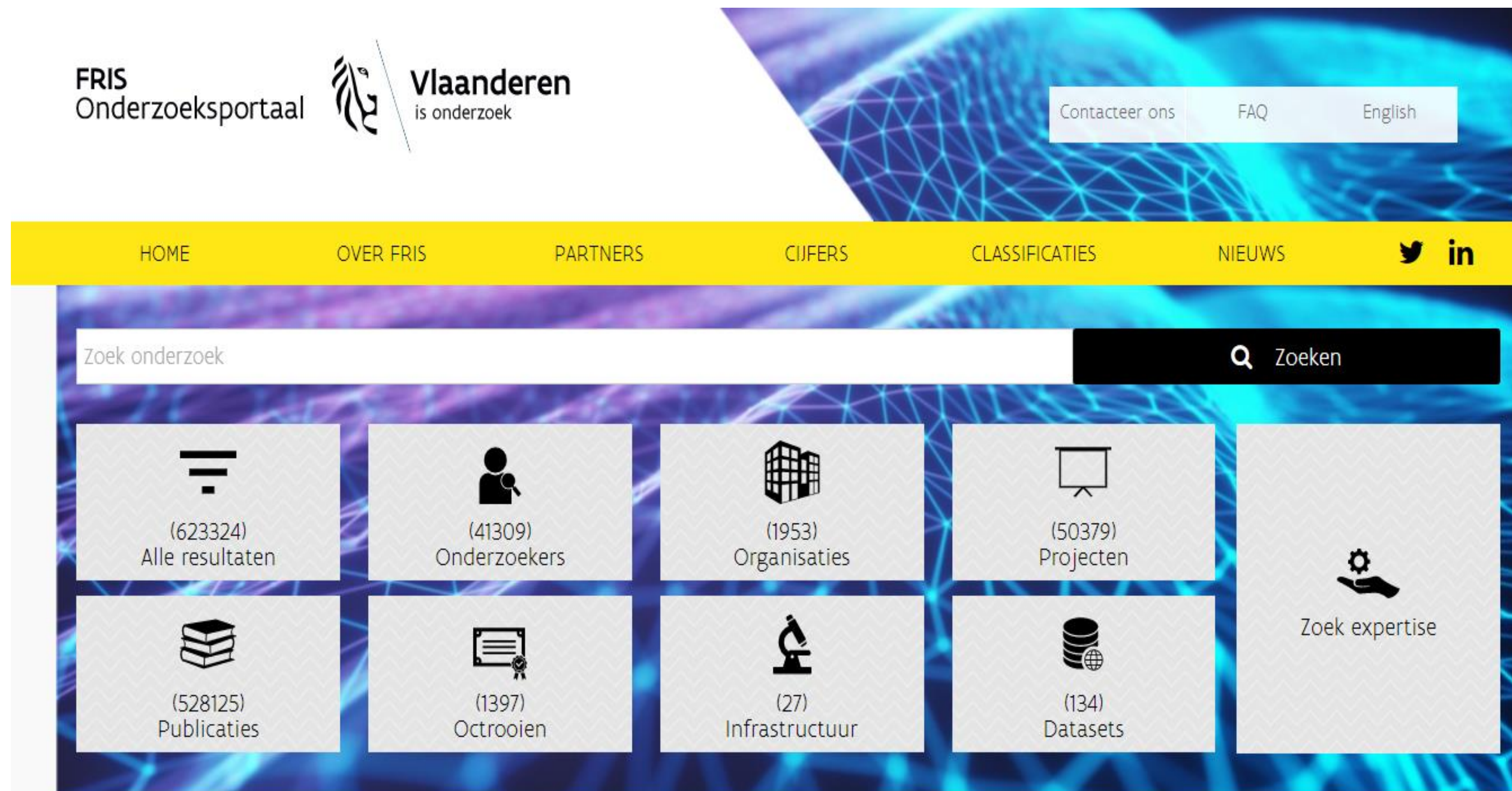
Flanders Research Information Space: an indispensable regional CRIS-system to efficiently monitor progress in open science

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Flanders Research Information Space (FRIS) www.researchportal.be

Regional CRIS-system: Information on publicly financed research in Flanders *directly* provided from organisations via CERIF.xml exchange
Built and hosted by Department EWI, Flemish government in collaboration with ECOOM-Hasselt



Flemish Open Science Policy: 5 KPIs (2019)

1. ORCID
 2. Data Management Planning
 3. FAIR data
 4. Open Access
 5. Open data
- ⇒ Flemish Open Science Board: Monitor progress in Open Science KPIs via the FRIS-portal

Flemish Application profile for research datasets (FOSB WG Metadata & standardisation)

Semantically harmonised application profile for the delivery of metadata on research datasets

Characteristics

21 properties: 15 originating from DataCite 4.3
Requirements: M, MA, R, O
Values, Definition & example

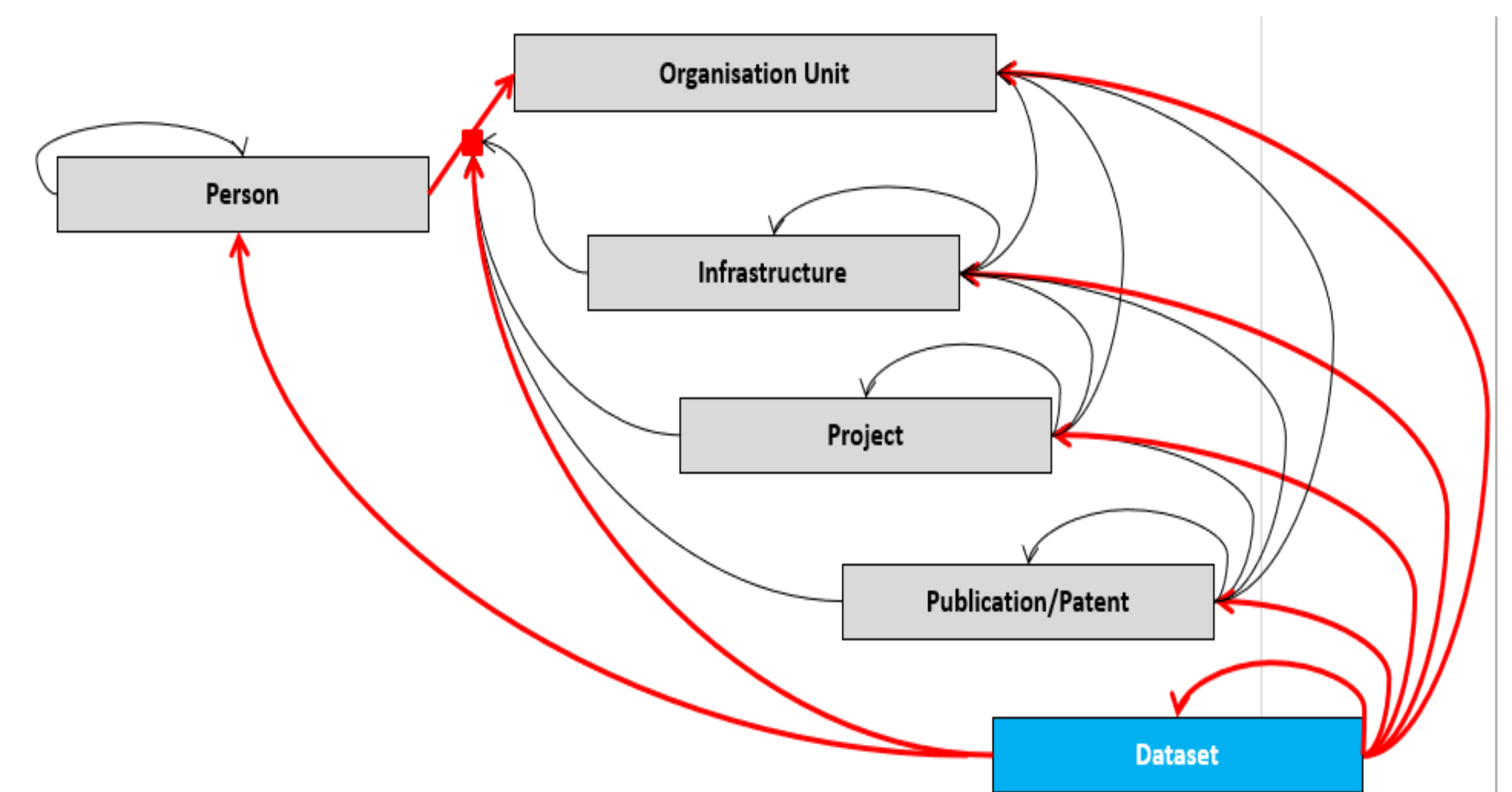
Adaptations

Creator identifier: ORCID, Format (M)
Open data label: Access rights, Licenses, Legitimate opt-out, link-to-project, link-to-publication, FAIR data label

FRIS data model

Research information object for datasets
CERIF-XML cfResprod Entity extended:
Open format & opt-out

Term	DataCite		Mandatory (M), Mandatory if Applicable (MA), Recommended (R), Optional (O)	KPI implications	Value	Definition
Data - Identifier	identifier	https://support.datacite.org/docs/sch-ema-mandatory-properties-v43#1-identifier	M	Mandatory for KPI	value: DOI, handle, ARK, PURL, URN, URL	The Identifier is a persistent a resource, i.e. a concept D record has a minimum of 1 a version DOI.
Data - Identifier type	identifier: identifierType	https://support.datacite.org/docs/sch-ema-mandatory-properties-v43#1-identifier	M		Controlled list: Identifier: DOI, handle, ARK, PURL, URN, URL	The type of the Identifier.
Data - Alternative identifier	alternateIdentifier	https://support.datacite.org/docs/sch-ema-optional-properties-v43#11-alternateIdentifier	O		Free text field	The alternative identifier is handle, URL or other (ex. Li repository, a local accessor
Data - Identifier type	identifier: alternateIdentifierType	https://support.datacite.org/docs/sch-ema-mandatory-properties-v43#1-identifier	O		Free text field	The type of the Identifier.



Open data KPI

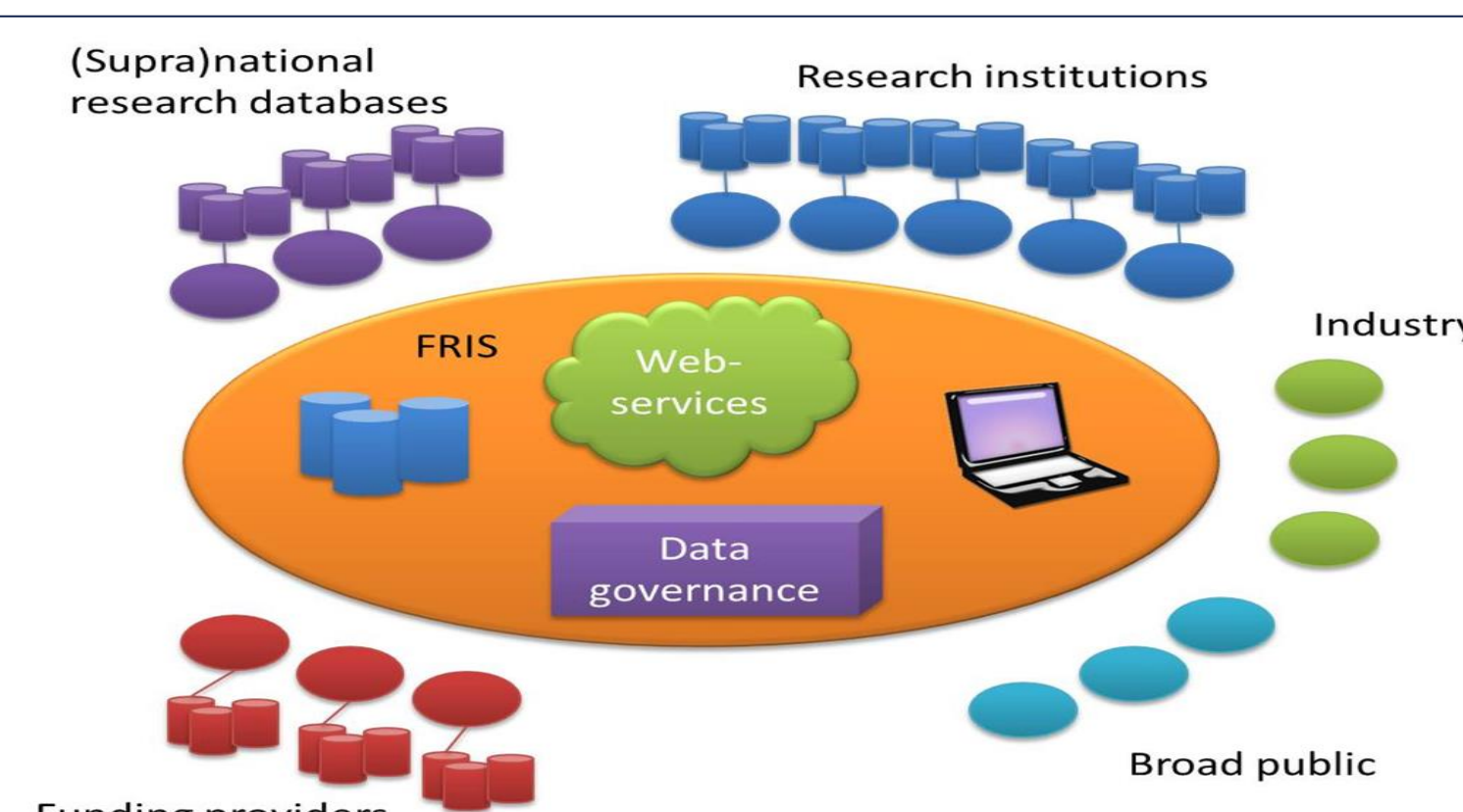
- Open = Access rights = 'open' or 'embargoed' + 'open' license <https://opendefinition.org/licenses/>
- Standardized delivery: <https://spdx.org/licenses/>
- Metadata fields to monitor open data KPI: PID, Access rights, Licenses, Legitimate opt-out, Link to project & Link to publication

FAIR data KPI

- Metadata property 'FAIR data label': in progress
- Options:
 - a. Minimal metadata provided = FAIR
 - b. F-UJI score
 - c. FAIR self-assessment score

=> Align with EOSC: TF FAIR Metrics & Data quality

FRIS-portal as a monitoring tool for Open Science Metrics



High quality data: accurate, reliable, consistent & comparable
Transparency
Administrative streamlining