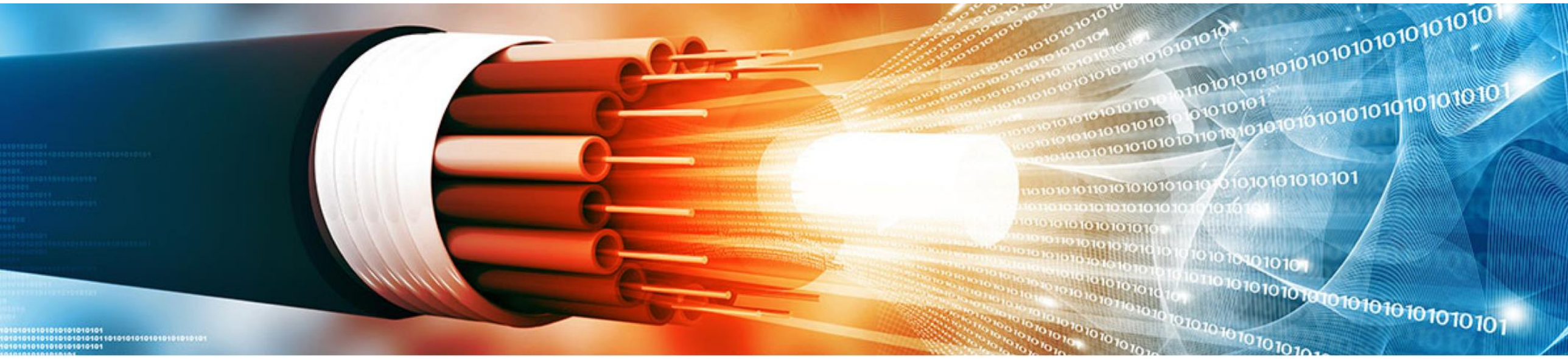


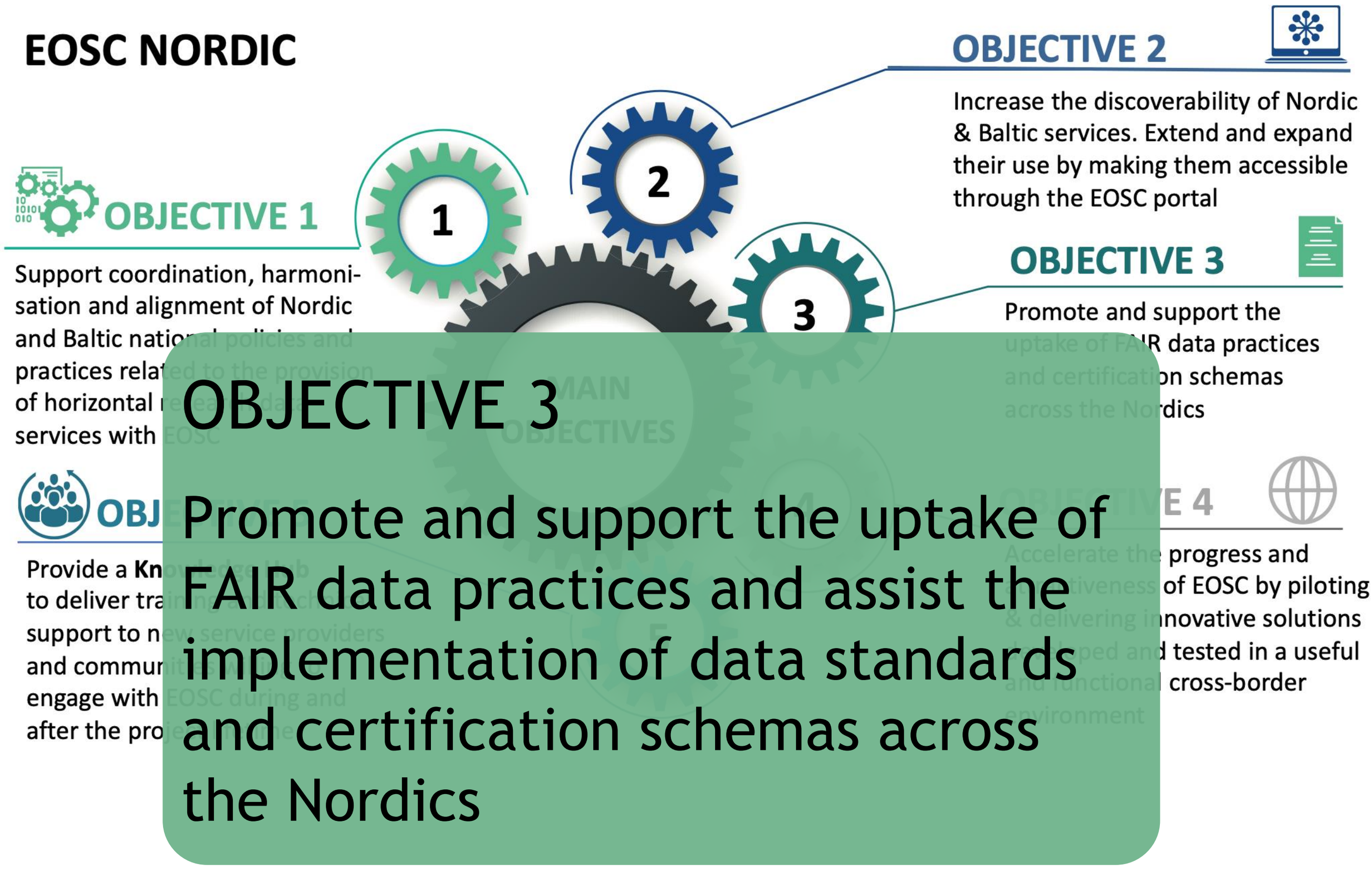
EOSC-Nordic

An overview of WP4 (FAIR data)

Andreas O Jaunsen (NeIC, WP4 lead)

EOSC-Nordic project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 857652

EOSC-Nordic objectives



OBJECTIVE 3

Promote and support the uptake of FAIR data practices and assist the implementation of data standards and certification schemas across the Nordics

WP4 members

21 participants

Iceland

Guðbjörg A Jónsdóttir (HI)

Norway

Adil Hasan (Sigma2)
Trond Kvamme (NSD)
Andreas Jaunsen (NeIC)

Finland

Heikki Lehväslaiho (CSC)
Josefine Nordling (CSC)
Mari Elisa Kuusniemi (UHEL)
Mari Kleemola (UTA)
Pauli Assinen (UHEL)
Tuomas Aleterä (FSD)

Estonia

Liisi Lembinen (UTartu)

Denmark

A S Fink Kjeldgaard (DNA)
Henrik Jakobsen (DNA)
Troels Rasmussen (DeiC)

Latvia

Ilmars Slaidins (RTU)
Janis Kampars (RTU)
Lauris Cikovskis (RTU)

Sweden

Birger Jerlehag (SND)
Iris Alfredsson (SND)
Monica Lassi (SNIC/LU)

Netherlands

Bert Meermans (GFF)

EOSC-Nordic WP4: FAIR data

FAIRSFAIR
Fostering Fair Data Practices in Europe

GO FAIR

European Commission

FAIRSFAIR
Fostering Fair Data Practices in Europe

EOSC NORDIC

D4.1

D4.3

D4.2

D4.4

D4.5

Survey

FAIR Maturity evaluation

GAP analysis

T5.3+ demo

T3.1.2

FAIR uptake

FAIR-uptake

Nordic region

Repository providers

Data standard

Certification

T5.1

Implementation

Selected communities

T2.1.1

Map incentives

Impact analysis

Stakeholders engagement

T2.3.2

Policies

Policy-makers

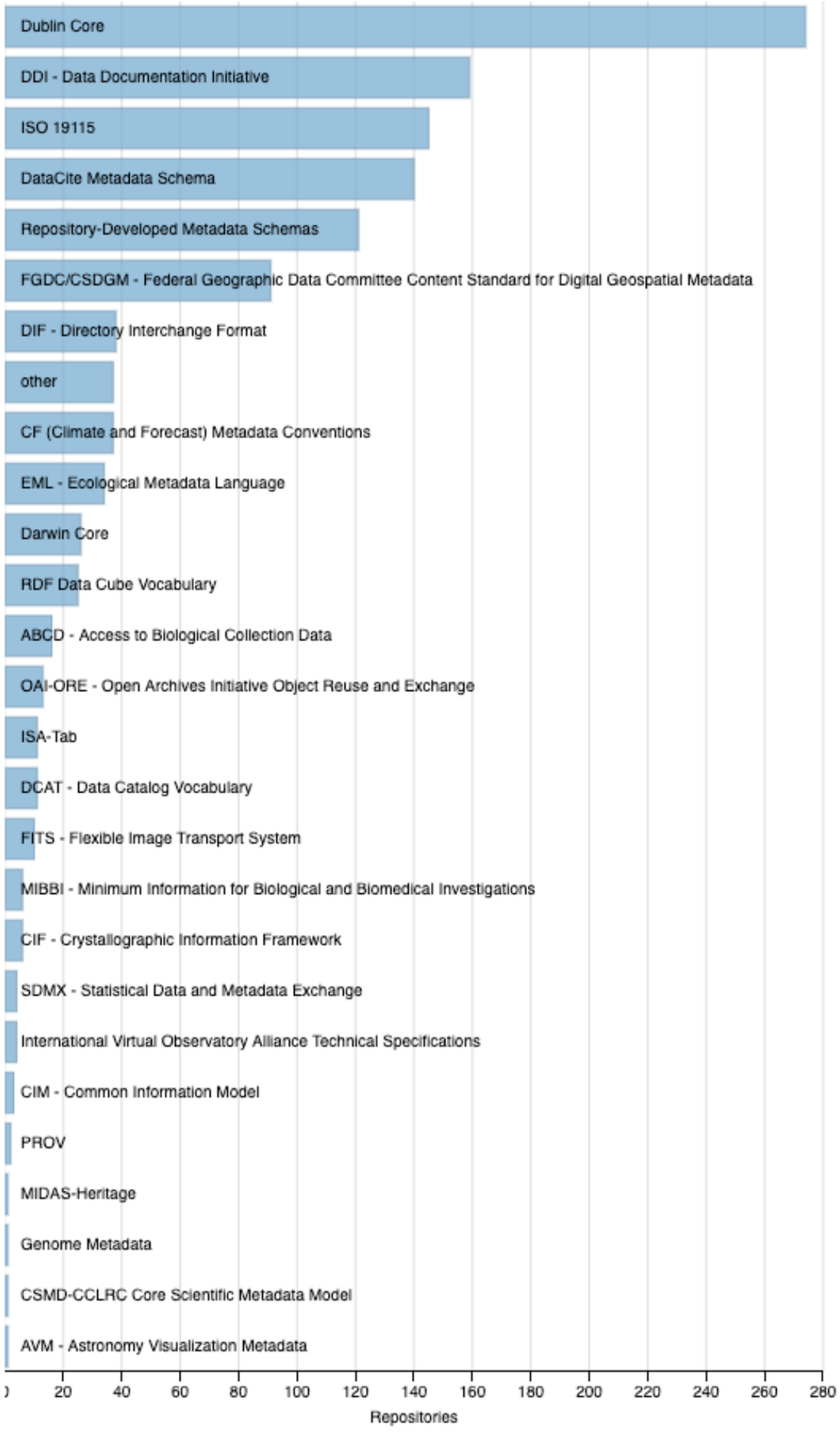
Communities

Funders

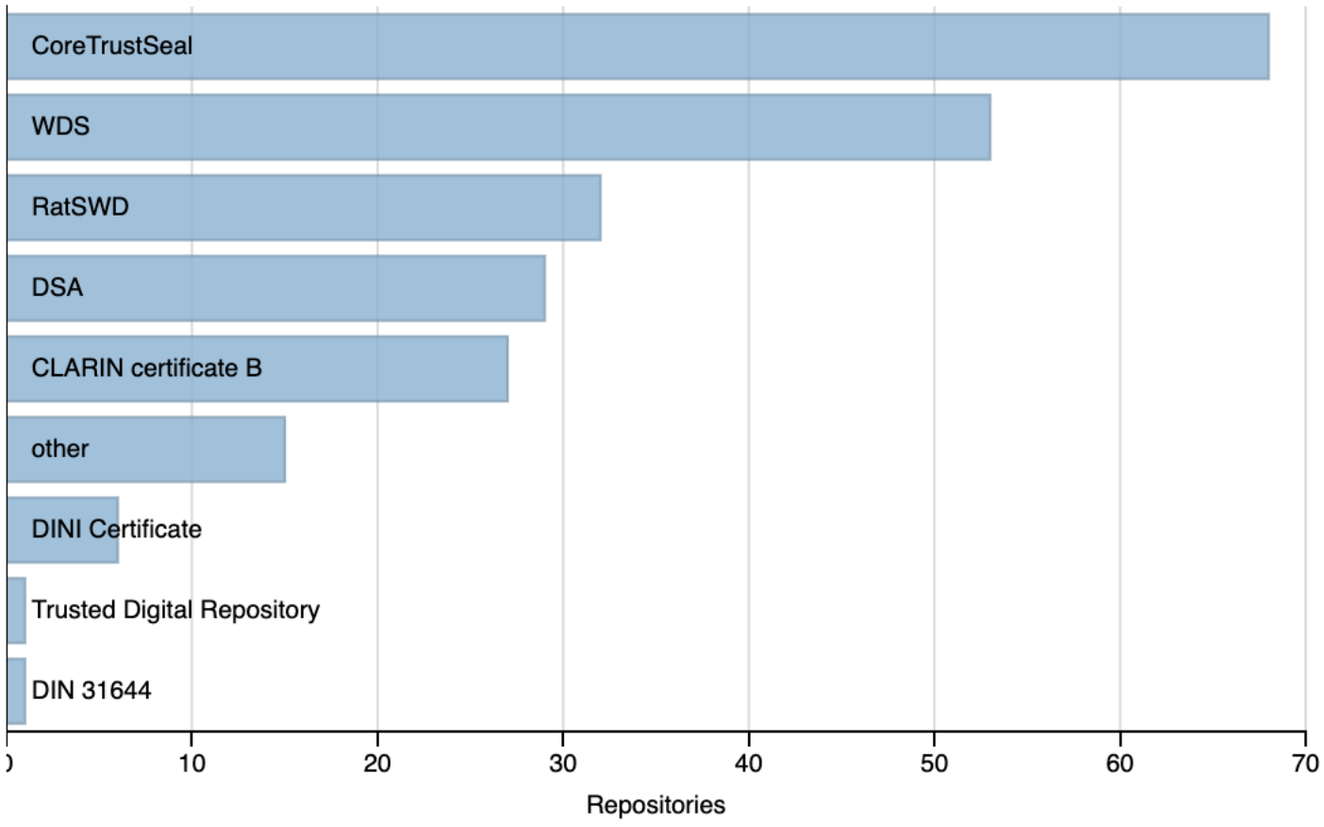
Activities

Stakeholders

Metadata standards



Certificates



Year 1

Year 2

Year 3

EOSC NORDIC

T4.1

T4.1.1 Repository surveying and community engagement

MS4.1

D4.1

T4.1.3 FAIR uptake: Boosting FAIR uptake with community engagement and support events (hackathons)

T4.1.2 FAIR Maturity re-evaluation

D4.3

T4.1.2 FAIR Maturity evaluation

MS4.3

MS4.4

T4.2

T4.2.2 Support adoption of FAIR data standard

D4.2

MS4.5

D4.5

T4.2.1 Repository selection for implementation

MS4.2

T4.2.3 Support adoption of FAIR certification schema

MS4.6

MS4.8

T4.3

T4.3.2 Impact analysis

MS4.7

D4.4

T4.3.1 Mapping incentives and policies

T4.3.3 Stakeholders engagement

MS4.9

Sep19 Dec19 Mar20 Jun20 Sep20 Dec20 Mar21 Jun21 Sep21 Dec21 Mar22 Jun22 Sep22

EOSC NORDIC

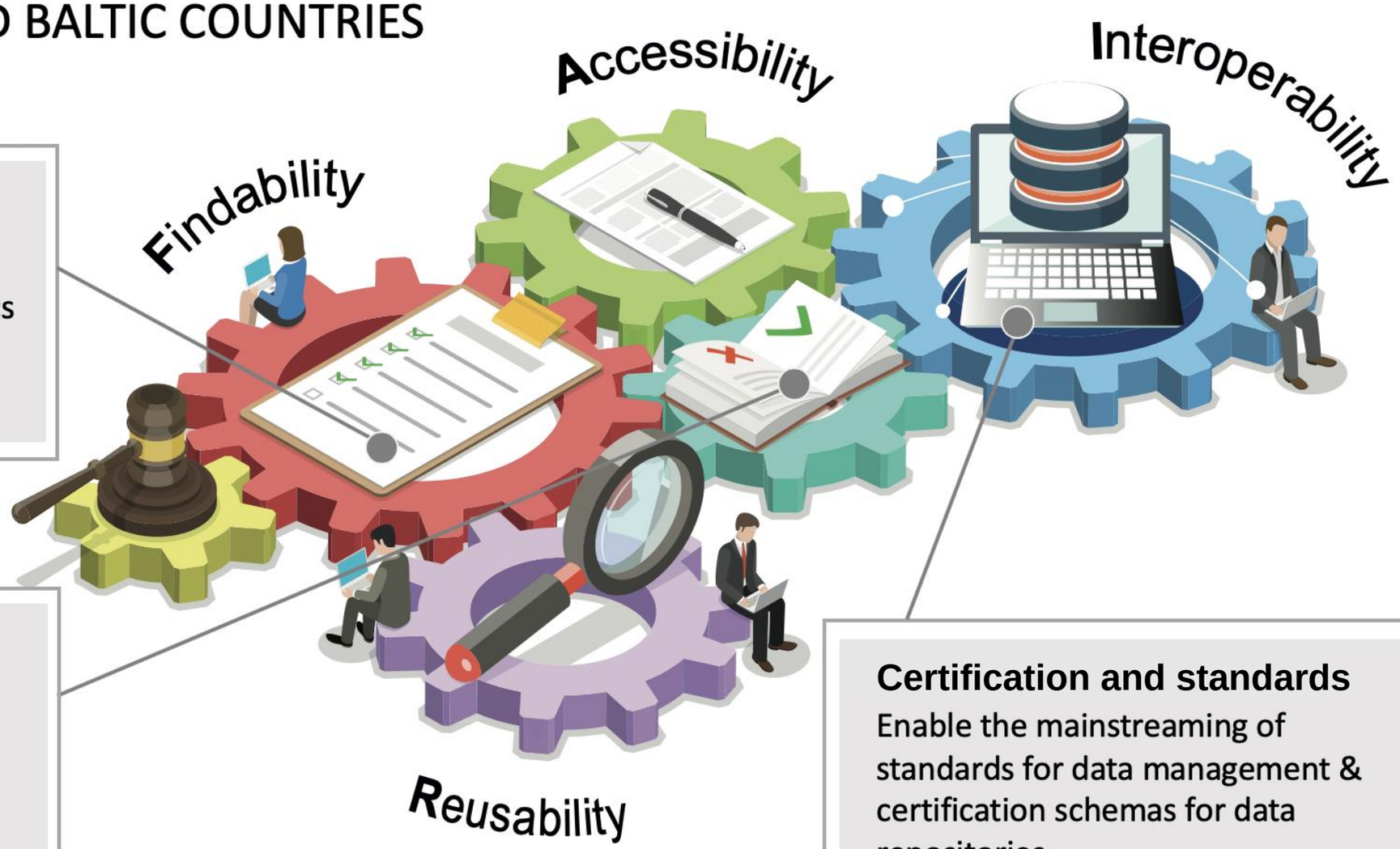
EOSC-Nordic webinar: WP4 overview

Andreas O Jaunsen

2019-11-08

DEVELOPING FAIR DATA PRACTICES

ACROSS THE NORDIC AND BALTIC COUNTRIES



State of FAIR

Investigate and inform about the state of FAIR practices in the Nordics and the Baltics, looking at national policies and practices.

FAIR incentives

Develop and promote incentives for the uptake of FAIR data practices across national scientific communities

Certification and standards

Enable the mainstreaming of standards for data management & certification schemas for data repositories

FAIR Maturity evaluator

FAIR Maturity indicators

	Metric name	Principle association	Principle description
1	UNIQUE IDENTIFIER	F1	(Meta)data are assigned a globally unique and persistent identifier
2	IDENTIFIER PERSISTENCE	F1	(Meta)data are assigned a globally unique and persistent identifier
3	DATA IDENTIFIER PERSISTENCE	F1	(Meta)data are assigned a globally unique and persistent identifier
4	STRUCTURED METADATA	F2	Data are described with rich metadata (defined by R1 below)
5	GROUNDED METADATA	F2	Data are described with rich metadata (defined by R1 below)
6	DATA IDENTIFIER EXPLICITLY IN METADATA	F3	Metadata clearly and explicitly include the identifier of the data they describe
7	METADATA IDENTIFIER EXPLICITLY IN METADATA	F3	Metadata clearly and explicitly include the identifier of the data they describe
8	SEARCHABLE IN MAJOR SEARCH ENGINE	F4	(Meta)data are registered or indexed in a searchable resource
9	USES OPEN FREE PROTOCOL FOR DATA RETRIEVAL	A1.1	The protocol is open, free, and universally implementable
10	USES OPEN FREE PROTOCOL FOR METADATA RETRIEVAL	A1.1	The protocol is open, free, and universally implementable
11	DATA AUTHENTICATION AND AUTHORIZATION	A1.2	The protocol allows for an authentication and authorisation procedure, where necessary
12	METADATA AUTHENTICATION AND AUTHORIZATION	A1.2	The protocol allows for an authentication and authorisation procedure, where necessary
13	METADATA PERSISTENCE	A2	Metadata are accessible, even when the data are no longer available
14	METADATA KNOWLEDGE REPRESENTATION LANGUAGE (WEAK)	I1	(Meta)data use a formal, accessible, shared, and broadly applicable language for knowledge representation.
15	METADATA KNOWLEDGE REPRESENTATION LANGUAGE (STRONG)	I1	(Meta)data use a formal, accessible, shared, and broadly applicable language for knowledge representation.
16	DATA KNOWLEDGE REPRESENTATION LANGUAGE (WEAK)	I1	(Meta)data use a formal, accessible, shared, and broadly applicable language for knowledge representation.
17	DATA KNOWLEDGE REPRESENTATION LANGUAGE (STRONG)	I1	(Meta)data use a formal, accessible, shared, and broadly applicable language for knowledge representation.
18	METADATA USES FAIR VOCABULARIES (WEAK)	I2	(Meta)data use vocabularies that follow FAIR principles
19	METADATA USES FAIR VOCABULARIES (STRONG)	I2	(Meta)data use vocabularies that follow FAIR principles
20	METADATA CONTAINS QUALIFIED OUTWARD REFERENCES	I3	(Meta)data include qualified references to other (meta)data
21	METADATA INCLUDES LICENSE (STRONG)	R1.1	(Meta)data are released with a clear and accessible data usage license
22	METADATA INCLUDES LICENSE (WEAK)	R1.1	(Meta)data are released with a clear and accessible data usage license
		R1.2	(Meta)data are associated with detailed provenance
		R1.3	(Meta)data meet domain-relevant community standards

https://fairsharing.github.io/FAIR-Evaluator-FrontEnd/

FAIR Evaluation Services

HOME EVALUATIONS MI TESTS COLLECTIONS ABOUT US

Search te

SEARCH

EOSC NORDIC

FAIR Evaluation Services

Resources and guidelines to assess the FAIRness of digital resources.

Import MI Tests

Import Maturity Indicators Tests as YAML **smartAPI** interface annotation

Get started

Create collections

Assemble Maturity Indicators Tests into community centered collections

Get started

Evaluate resources

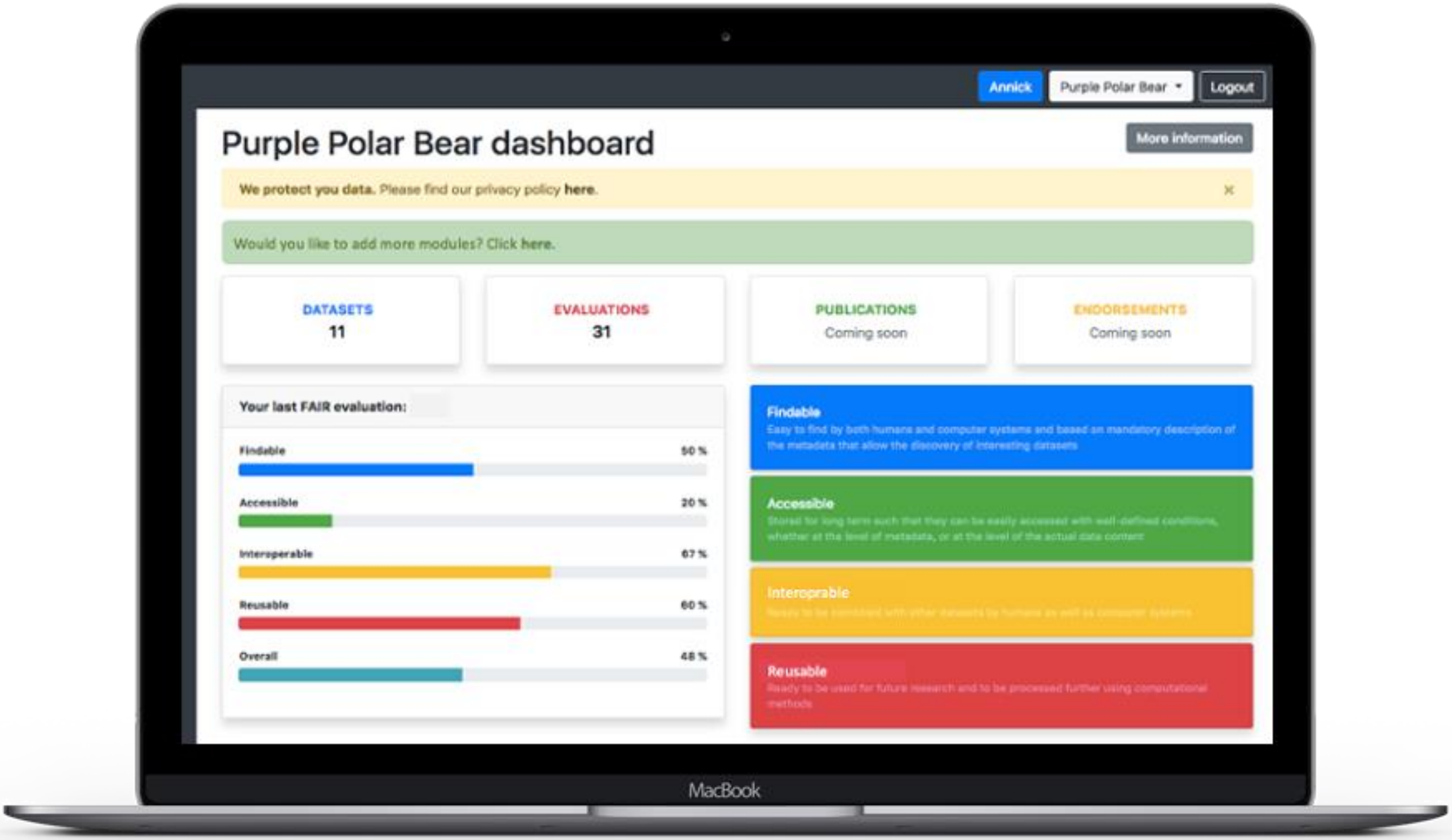
Evaluate resources FAIRness against Collections of Maturity Indicator Tests

Get started

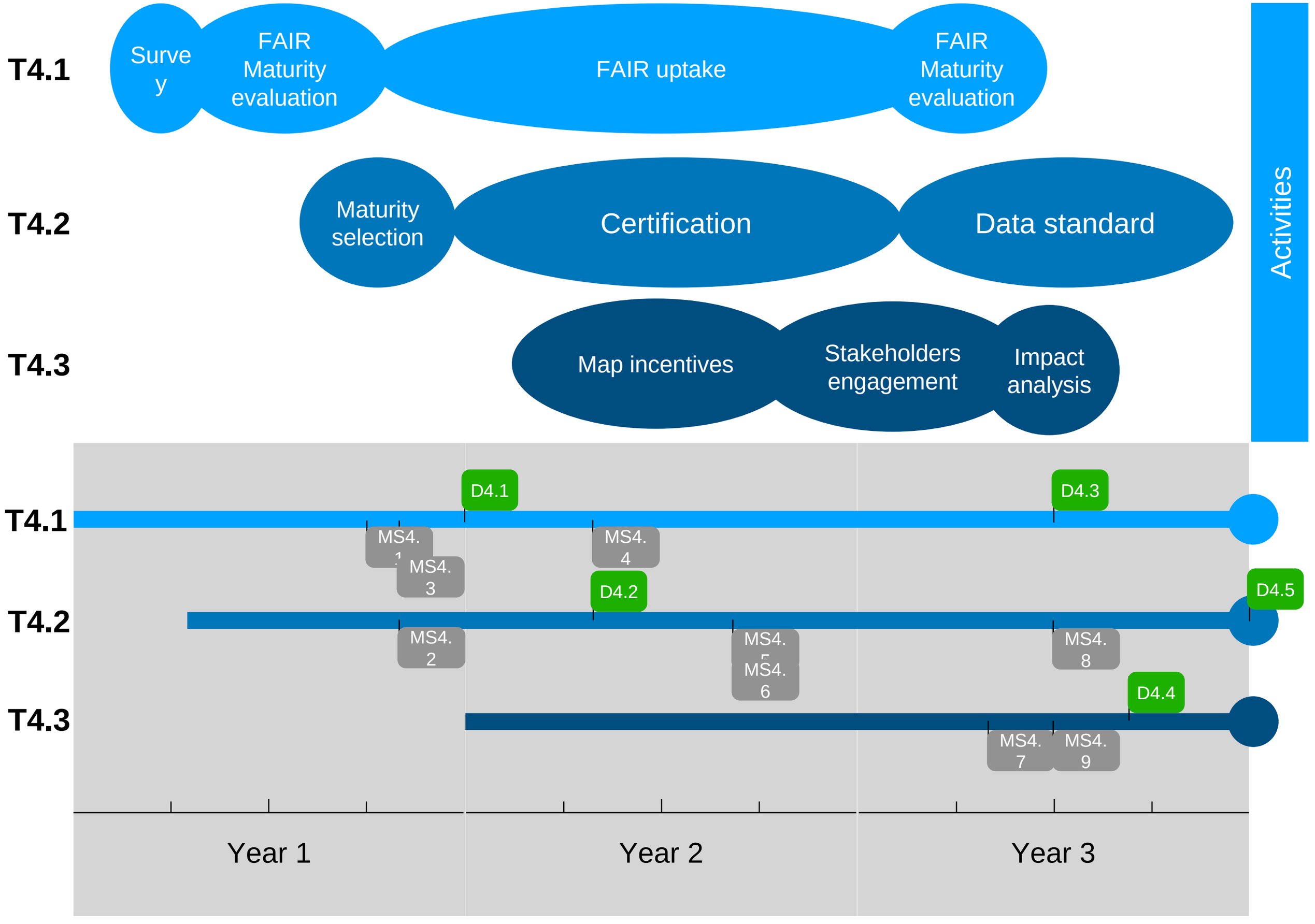
This application is driven by the FAIRmetrics and the FAIRsharing groups. We recognize the support of the DBCLS BioHackathon series during which much of the back-end code was prototyped. Licensed under MIT.

Purple Polar Bears

FAIR scoring tool



https://www.howfairismydata.com/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MS4.3
MS4.4
D4.2
D4.5
MS4.2
MS4.5
MS4.6
MS4.8
D4.4
MS4.7
MS4.9
Year 1
Year 2
Year 3