# FAIR-IMPACT Project

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National Roadshow Slovenia
28-09-2023

# FAIR-IMPACT overall objective: what

**WHAT**:

FAIR-IMPACT supports the implementation of FAIR-enabling practices, tools and services,

- across scientific communities
- across research outputs
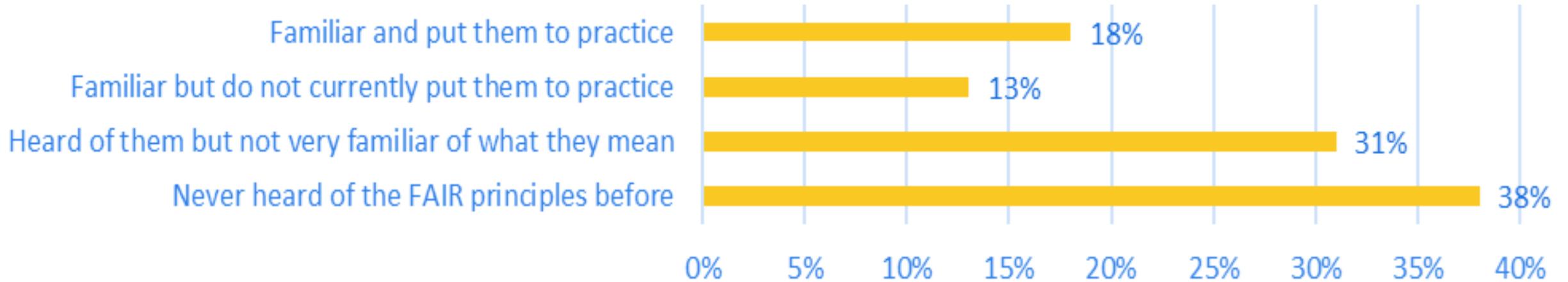- at a European, national, and institutional level

https://www.fairsfair.eu/

# FAIR-IMPACT overall objective: how

- Engage with a wide range of stakeholders, using multiple coordination and support mechanisms to optimize alignment

- Identify together with domain specific partners current and emerging FAIR-enabling components (these can be anything like practices, policies, tools, technical specs)

- Translate these to be adoptable in other domains or for other types of outputs and support the application in these other fields.

- Define the support, governance and coordination mechanisms that are needed to make sure that all of these what we call FAIR-enabling practices will also continue to function in the EOSC in the future.

# FAIR awareness



Familiar and put them to practice — 18%
Familiar but do not currently put them to practice — 13%
Heard of them but not very familiar of what they mean — 31%
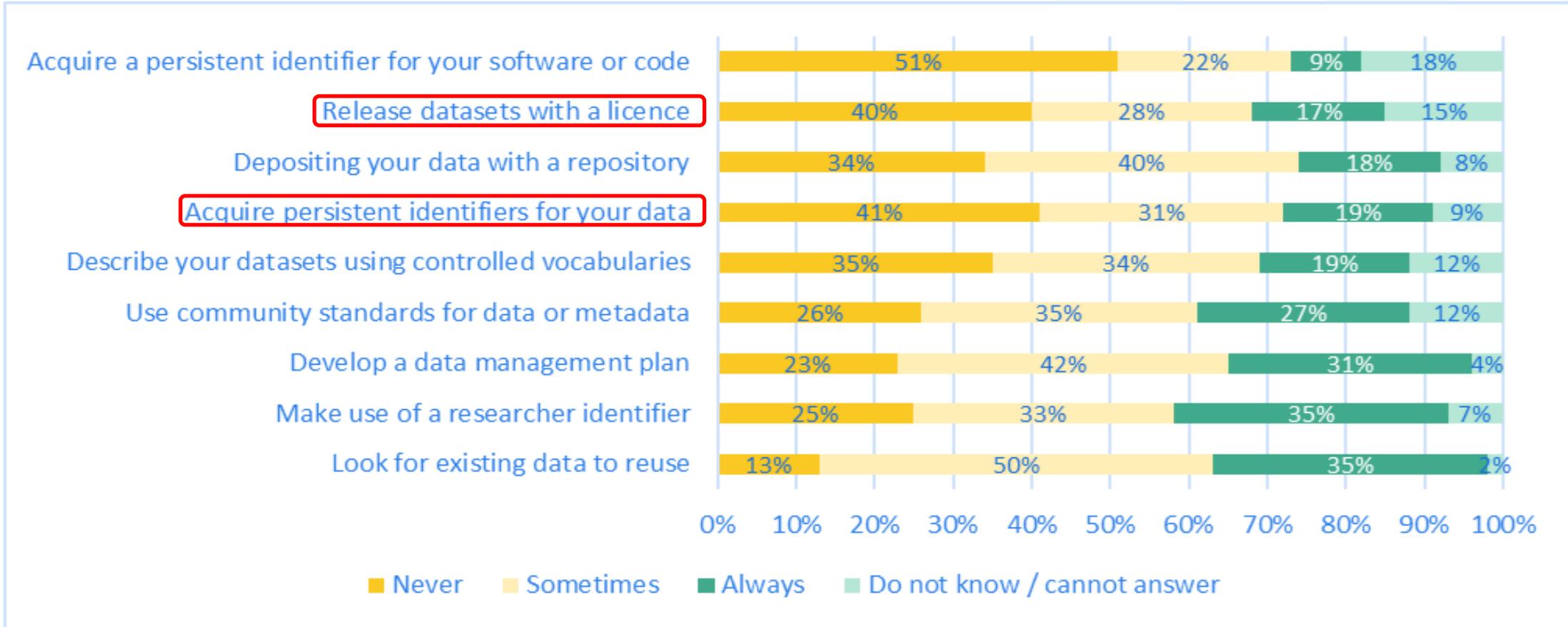Never heard of the FAIR principles before — 38%

- About two thirds have some level of familiarity with the FAIR principles

- More than a third have never heard of them

- Less than 1 out of 5 puts them into practice

https://zenodo.org/communities/erdl21

# FAIR aligned practices

| | Never | Sometimes | Always | Do not know / cannot answer |
|---|---|---|---|---|
| Acquire a persistent identifier for your software or code | 51% | 22% | 9% | 18% |
| Release datasets with a licence | 40% | 28% | 17% | 15% |
| Depositing your data with a repository | 34% | 40% | 18% | 8% |
| Acquire persistent identifiers for your data | 41% | 31% | 19% | 9% |
| Describe your datasets using controlled vocabularies | 35% | 34% | 19% | 12% |
| Use community standards for data or metadata | 26% | 35% | 27% | 12% |
| Develop a data management plan | 23% | 42% | 31% | 4% |
| Make use of a researcher identifier | 25% | 33% | 35% | 7% |
| Look for existing data to reuse | 13% | 50% | 35% | 2% |

■ Never  ■ Sometimes  ■ Always  ■ Do not know / cannot answer

https://zenodo.org/communities/erdl21

# FAIR-IMPACT project design

FAIR-IMPACT PROJECT DESIGN - WORK PACKAGES

WP1 PROJECT MANAGEMENT, SYNCHRONISATION AND SUSTAINABILITY

WP3 PERSISTENT IDENTIFIERS

WP6 INTEROPERABILITY

WP2 ENGAGEMENT, ADOPTION & IMPLEMENTATION

WP4 METADATA AND ONTOLOGIES
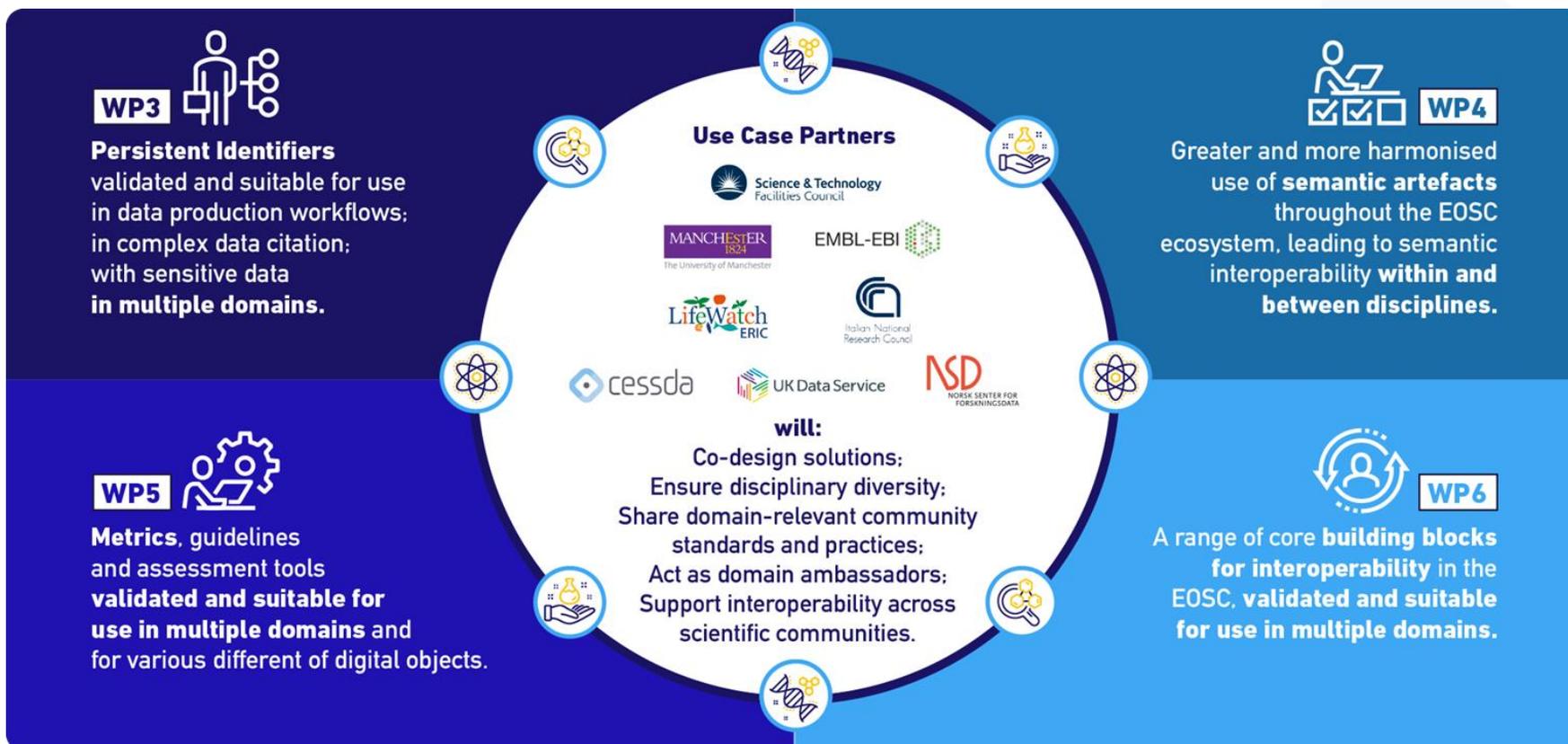
WP5 METRICS, CERTIFICATION AND GUIDELINES

WP7 DISSEMINATION, EXPLOITATION AND COMMUNICATION

A range of governance, coordination and collaboration mechanisms necessary for a functioning FAIR research ecosystem:

- Adoption of FAIR-enabling components and mechanisms at multiple levels among a diverse group of stakeholders using a wide range of tools and Support Tiers;

- A persistent identifier support programme and guidance for the provision of PID services in EOSC, incl. mechanisms for adoption and implementation;

- A semantic framework for the governance, creation, mapping, sharing, reuse, FAIRness assessment and interoperability of semantic artefacts for EOSC;

- Guidelines and prototypes to support both enabling FAIR and assessing the FAIRness and trustworthiness of different types of digital objects in multiple domains;

- Components for increased legal, organisation, semantic and technical interoperability within and across disciplines.

# Practical implementation of the FAIR principles starting with integrated use cases on four scientific domains

**WP3**

**Persistent Identifiers** validated and suitable for use in data production workflows; in complex data citation; with sensitive data **in multiple domains.**

**WP5**

**Metrics**, guidelines and assessment tools **validated and suitable for use in multiple domains** and for various different of digital objects.

**Use Case Partners**

Science & Technology Facilities Council

MANCHESTER 1824 The University of Manchester

EMBL-EBI

LifeWatch ERIC

Italian National Research Council

cessda

UK Data Service

NSD NORSK SENTER FOR FORSKNINGSDATA

**will:**
Co-design solutions;
Ensure disciplinary diversity;
Share domain-relevant community standards and practices;
Act as domain ambassadors;
Support interoperability across scientific communities.

**WP4**

Greater and more harmonised use of **semantic artefacts** throughout the EOSC ecosystem, leading to semantic interoperability **within and between disciplines.**

**WP6**

A range of core **building blocks for interoperability** in the EOSC, **validated and suitable for use in multiple domains.**

**Social Sciences and Humanities**
The F-UJI tool will be adapted to fit SSH relevant community standards for FAIR

**Photon & Neutron science**
A range of components for cross-domain research data description will be tested

**Life science**
Data provenance will be better documented by extending RO-Crate to practices on PID usage
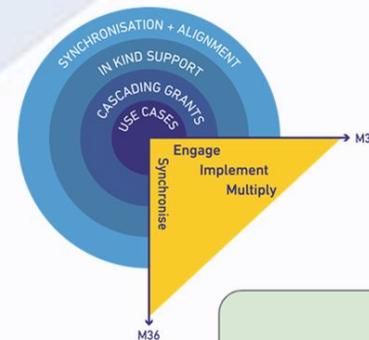
**Agri-food**
Metadata providers will implement a common API for federating access to semantic artefacts

- 3 support routes

  - In-kind: dedicated guidance and 1:1 support
  - Cascading grants: support to test and implement specific tools, approaches and solutions
  - Series of public FAIR Implementation workshops

- two of five open calls for support have been launched so far

- future calls:

  - January 2024
  - April 2024
  - September 2024

**Tier 4:** Supporting EOSC-readiness through harmonisation and dissemination activities *(Synchronisation Force + activity with the EU Data Spaces [SUPPORT ONLY])*

**Tier 3:** Onboarding via in-kind support programs *(via provision of toolkits, frameworks & examples [SUPPORT ONLY])*

**Tier 2:** Targeted adoption & implementation funding *(via Cascading Grants [EUR])*

**Tier 1:**
Integrated use cases covering the ESFRI Cluster domains *(Consortium Partners [EUR])*
Integrated use cases coming from Consortium Partners *(where considered part of their task contribution)*

# 2nd open call for Route 1 support



For those just getting started on their FAIR-enabling journeys, FAIR-IMPACT provides dedicated guidance and one-to-one support to successful applicants from our three key stakeholder groups to self-assess their current capabilities and to develop FAIR implementation action plans: National Levels Initiatives, Research Performing Organisations, Repositories and Data Service Providers.

**Deadline 01 November 2023**

https://fair-impact.eu/fair-impact-open-calls-support

# Thank you for your attention!

**eosc | FAIR-IMPACT**
Expanding FAIR solutions across EOSC

@fairimpact_eu  /company/fair-impact-eu-project

Funded by
the European Union