FAIR Metrics and Digital Objects Task Force

IMPULSE STATEMENT

Outcomes of two surveys on repositories “EOSC readiness”

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Data repositories' EOSC readiness

39

repositories surveyed

Self-reported capabilities
April–September 2025

22

deposits from 15 repositories

≥6/15 onboarded or preparing to join the EOSC Federation

Expert assessment of examples

Deposit-level discovery

A PID and metadata record help services discover a deposit.

File / object-level reuse

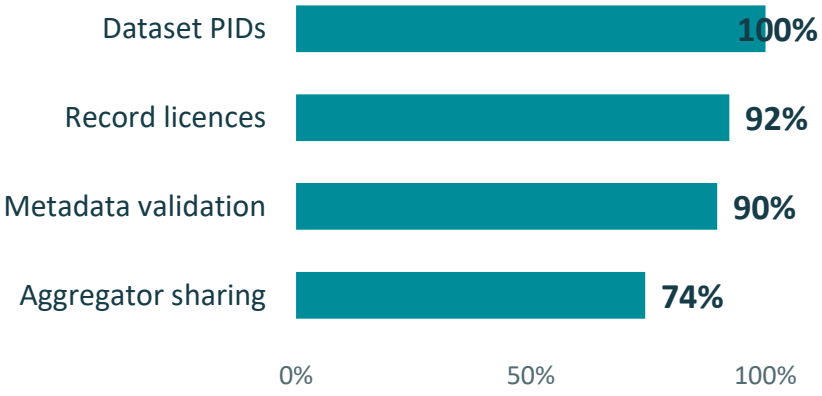
A service can locate and interpret files, determine rights and retrieve data.

Readiness needs evidence at both levels

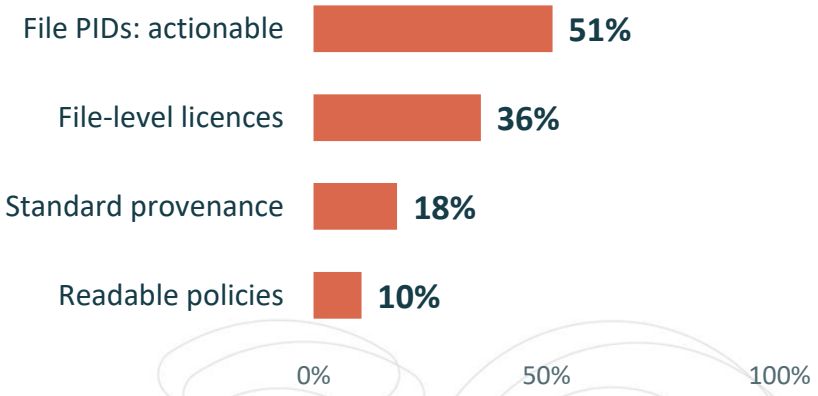
Strong discovery, uneven reuse support

Deliverable 1 / Self-reported capabilities in 39 repositories

Discovery and basic provision



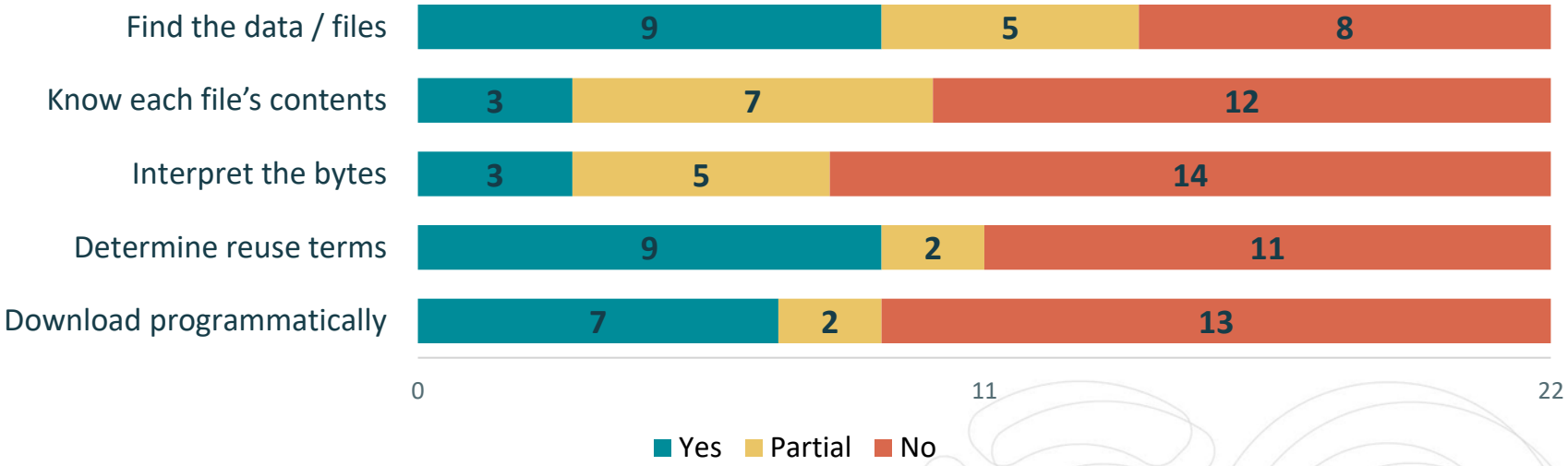
Granular and interoperable reuse



Granular, structured information remains the key gap

Strong automated exploration: 5 of 22 deposits

Deliverable 2 / Expert assessments of repositories' nominated examples [pending publication]

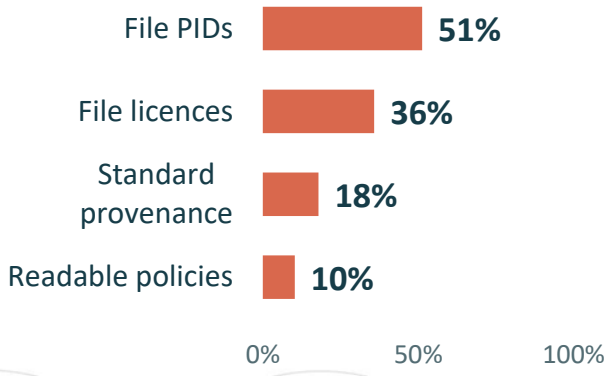


File meaning and interpretation show the largest gaps

Technical priorities for repository readiness

Recommendation	Implementation priority
1. DO-level PIDs and rights	Identify objects and licence scope. Use typed links / Signposting where appropriate.
2 . Provenance Interoperability	Use standard vocabularies and methods, such as PROV-O and RO-Crate, for data lineage.
3 . Policy availability and clarity	Expose policies in structured metadata so services can discover and interpret conditions.

Reported capabilities (n = 39)



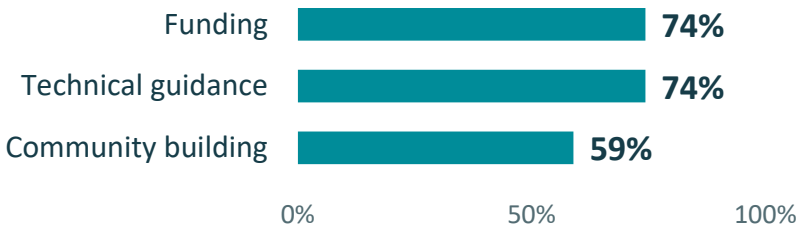
Federation services need explicit rights, provenance and policy information

Shared understanding and sustained support

4. Shared EOSC glossary and use cases

Operational definitions linked to discovery, aggregation, provenance, rights and reuse at deposit, file and object level.

5. Capacity building and sustained support



Training and shared tooling

Practical implementation guidance and reusable technical solutions

For the operational EOSC Federation

Readiness needs demonstrable data-level reuse

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Thank You!

