

Readiness of open scholarly infrastructures for an International Data Space role



THE VISION

Since 2015, an international effort has sought to facilitate the direct data exchange and benchmarking of open and proprietary usage data about Open Access books. To date, stakeholders from across five continents have collaborated to document book metadata and impact reporting challenges, the book usage data ecosystem, usage data applications, and data governance frameworks. The scope of this work is to assess operational scholarly publishing service providers for their technical readiness against the IDS core services, to inform the next set of technical work towards achieving an International Data Space (IDS).

Prepared for The OA Book Usage Data Trust (OAeBUDT)

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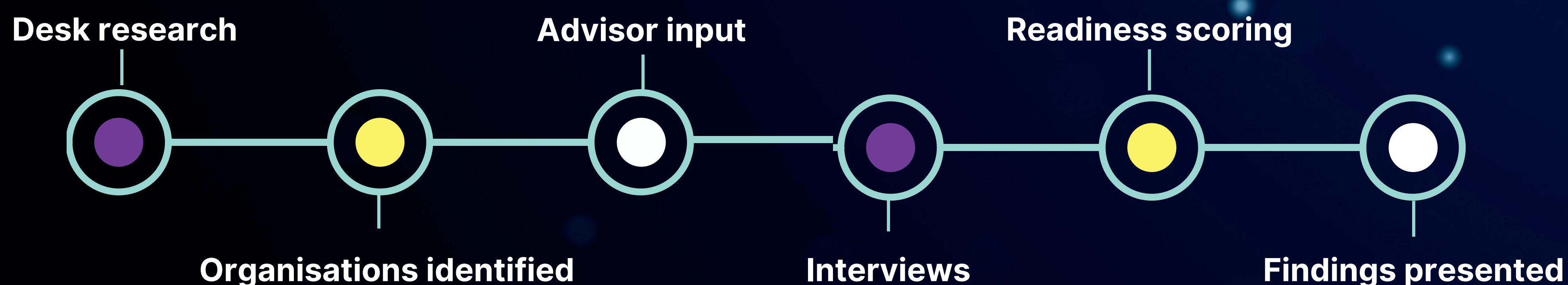
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TIMELINE



METHODOLOGY

Organisations were assessed against seven key pillars; information security, existing experience with and alignment with IDS, infrastructure, global presence and operations, data management, software development capabilities and sustainability, and standards. Weighted scoring provides an estimate of a service's readiness to act in a given IDS role.



KEY RESULTS

- 1 Information security is typically lacking among organisations specialising in open data/publishing
- 2 There were no services which could fulfil the IDS roles of Clearing House or App Store Provider
- 3 The most easily aligned role was the Metadata Broker
- 4 All organisations score low on alignment to IDS
- 5 IDS is a new concept for this industry, many services were unaware of data spaces and IDS



RECOMMENDATIONS

- 1 A single, well-organized IDS that can support multiple scholarly outputs is recommended over having numerous ones
- 2 OAeBUDT should choose a partner (or series of partners) with knowledge of both IDS architectures and the domain of scholarly communications to support in the data model development and technical roadmapping, and in designing, building and operating the OAeBUDT-IDS
- 3 To help scholarly communications organisations to see the value in an OAeBUDT-IDS, there is work to do to both educate and inspire



Scan the QR code or visit <https://zenodo.org/records/10790782> for the full report, including an explanation of IDS roles and results tables for all organisations scored.
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