Win win situations in data repository RFTs

Or: how and why two Amsterdam universities chose figshare for institutions
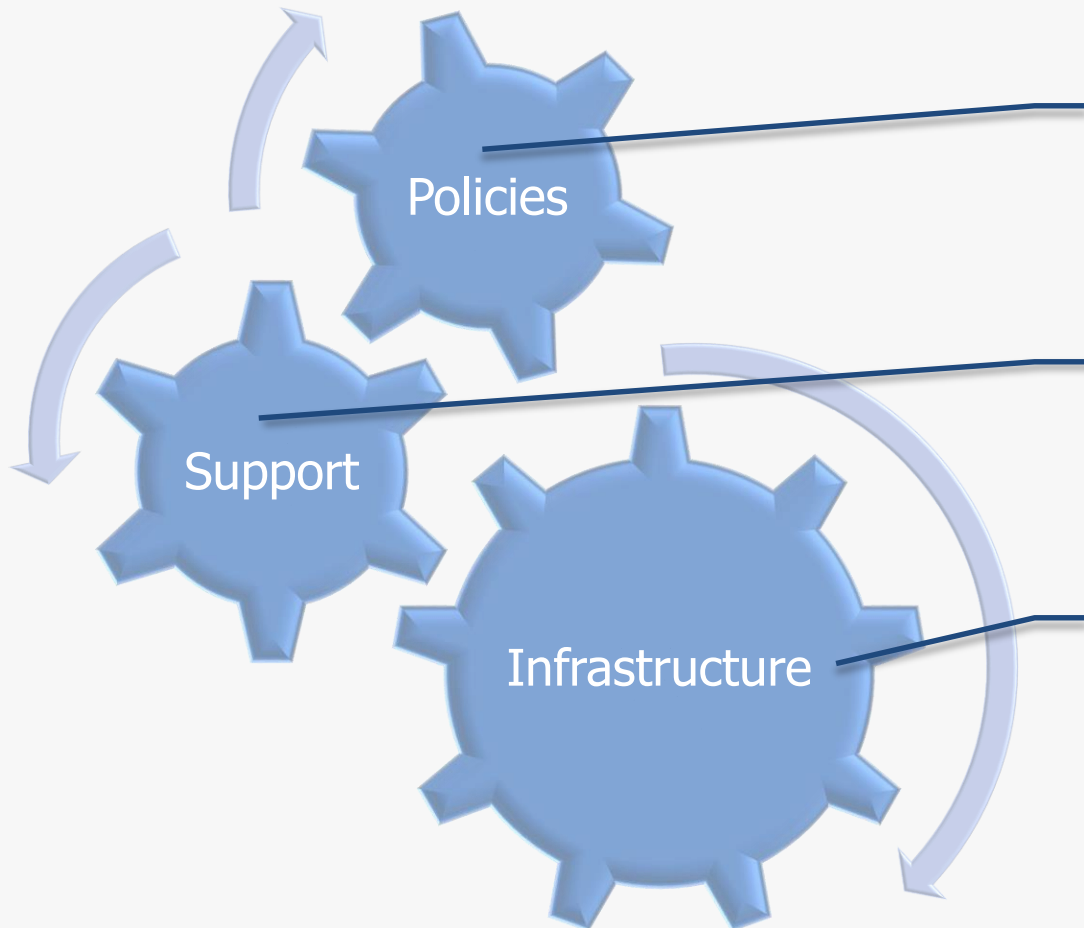
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Research Data Alliance (RDA) 9th Plenary meeting // Interest Group Repository Platforms for Research Data, April 7th, 2017

Institutional RDM programme

Policies

Support

Infrastructure

clarity:
researchers know what is expected of them

understanding:
researchers understand what is important, when, why and to whom

ability:
researchers have the facilities they need to meet expectations

Data Infrastructure

- Scattered storage: central, faculty, individual

- Library's publications repository not suited for data

- No institutional facilities for short to medium term archiving

- No institutional facilities for publishing digital data

Request for tender (RFT)

Bijlage A_ConceptOvereenkomst_NED.pdf
Bijlage A_DraftAgreement_ENG.pdf
Bijlage_A1_Concept_SLA_NED.pdf
Bijlage_A1_Draft_SLA_ENG.pdf
Bijlage_A2_ConceptBewerkersovereenkomst_NED.pdf
Bijlage_A2_DraftProcessingServiceProviderAgreement_ENG.pdf
Bijlage_A3_ConceptWachtkamerovereenkomst_NED.pdf
Bijlage_A3_DraftStandByAgreement_ENG.pdf
Bijlage_B_ARBIT2014_ENG.pdf
Bijlage_B_ARBIT2014_NED.pdf
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Bijlage_C_Prijsinvulformulier_NED.xlsx
Bijlage_D_Samenvatting_marktconsultatie_UvA.pdf
Bijlage_D_Summary_Market_Consultation_UvA.pdf
Bijlage_E_OverviewConnections_ENG.pdf
Bijlage_E_Overzicht_koppelingen_NED.pdf
Bijlage_F_Programma_van_Eisen_en_Wensen_NED.xlsx
Bijlage_F_ScheduleRequirementsPreferences_ENG.xlsx
Bijlage_G_Implementatieplan_NED.pdf
Bijlage_G_ImplementationPlan_ENG.pdf
Bijlage_H1_Beschrijving_Gebruikersvriendelijkheidstest_NED.pdf
Bijlage_H1_DescriptionUFTest_ENG.pdf
Bijlage_H2_ConceptBewerkersovereenkomst_TestGV_NED.docx
Bijlage_H2_DraftProcessingServiceProviderAgreementUFTest_ENG.docx
Bijlage_I_UvAHvA_RDMGuidelines_ENG.pdf
Bijlage_I_UvAHvA_RDMRichtlijnen_NED.pdf
Standaardformulier_B_Eigen_verklaring.pdf
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Standardform_B_Self_declaration.pdf
StandardForms_ACDEF_ENG.docx
UvAHvA_RDMSysteem_Offerteaanvraag_NED.pdf
UvAHvA_RDMSystem_Invitation_to_Tender_ENG.pdf

Data safety & security

Ease of use for researchers

Meeting institutional guidelines
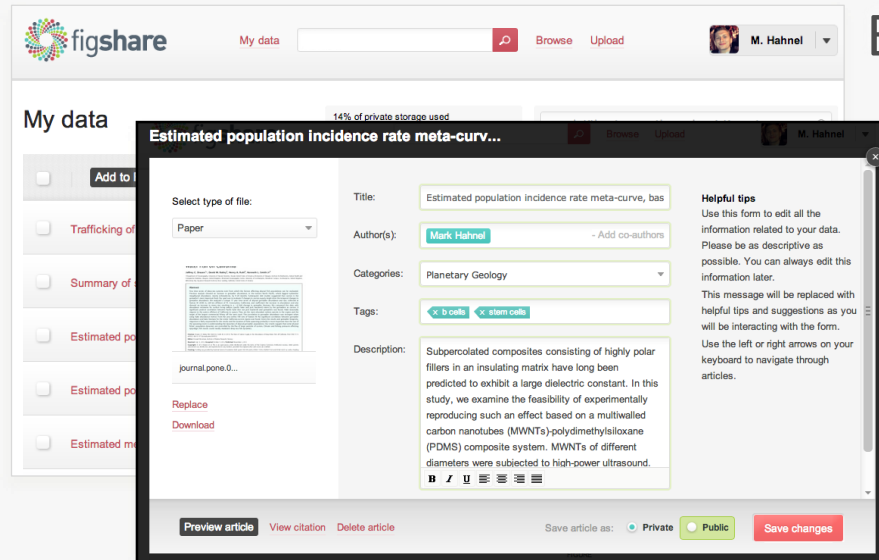
Pricing & scalability

4

Requirements & preferences

- Functionalities: general, input, output, system

- Need to have vs nice to have (vs ease of use)

	System Specifications	Points Total	Type	YES	NO	Answer	Included in offered basic module YES/NO	Customisation YES/NO	Extra cost in Euro's in case not inclusive
S.1	Security & privacy								
S.1.1	The system of the Tenderer and its future contents will have an adequate physical and logical protection against loss or damage, against any form of unauthorized access, alteration and any other unlawful processing of data; the security meets the security requirements under the Dutch Data Protection Act (DPA)		Requirement						
S.1.2	The Tenderer is ISO 27001 and/or ISAE3402 type I and II (design, implementation and operation) certified	2	Preference						
S.1.3	Describe the way in which specifications for information security will be met. A maximum of 10 points will be awarded on the basis of added value with respect to a guarantee of availability, confidentiality, integrity, non-repudiation, authenticity; adequate security for information, data, communication and networks, and relevant certification; minimizing data loss in case of disaster; backup rotation schedule, including rollback and disaster recovery; and signalling and logging of (imminent) abuse	10	Open question						
S.1.4	The system is compliant with ISO norm 16363 and/or DIN 31644 or equivalent norm	5	Preference						

General Functionalities | Input Functionalities | Output Functionalities | **System Specifications** … ⊕ ⋮ ◀

Figshare for institutions

Ease of use
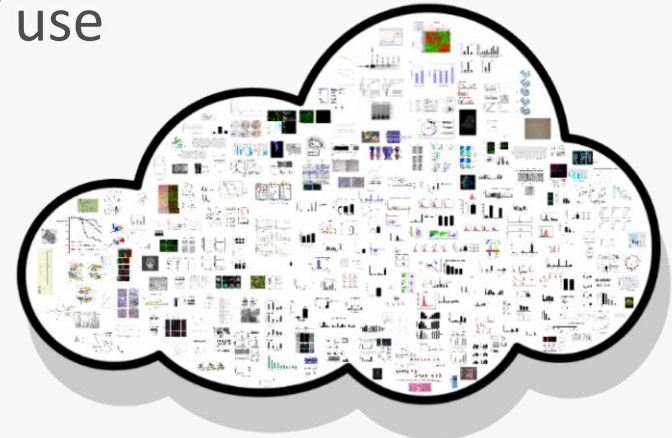
Scalable cloud storage in Europe

Connectivity through APIs

Persistent Identifiers

Category	Requirement	Description	Functional requirement score	UvA/AUAS figshare
Metadata	Support for different metadata (schemas), including domain-specificity and interoperability	Any form of metadata (schemas) should be allowed. This includes metadata such as author, owner, license, source publication, librarian, date and time stamps; and domain-specific descriptors.	28	+
Persistent identifiers	Assignment of PID / DOI	At data ingest time or "project publication" or even before (e.g. when a paper was submitted but the data are not final yet) a PID has to be assigned to data and the collections it belongs to. It resolves to the "landing page" of the research data, which displays the required descriptive metadata during the embargo period. A clear transition for PID collections to a DOI has to be established.	26	++
Authentication	Fine grained authentication and authorization. Allow the integration or the import from external authentication/authorisation systems.	Provide different access rights for groups and individuals (roles) on collections, and allow the import of such concepts (e.g. from Identity management systems). In the case of confidential or proprietary data authenticate every access and authorize every operation.	16	+
Data Access	Allow data providers to choose the level of access to data (e.g. Open Access).	Control over access to data is in the hands of those who provide the data	16	++
Data Access	Provide state-of-the-art user interfaces and clients over the life time of a repository platform	(Easy to use) User interface, features, and functionality should be updated over time to match the requirements and expectations of current researchers. They include web based user interfaces and others (e.g. WebDAV, FUSE, Java I/O, Python, Shell commands)	16	++
Policy Support	Allow the (automated) use of data policies	Data policies are used to define what happens when to which dataset. E.g. for processing and quality control regularly enforced policies are helpful.	15	(+)
Publication	Provide data access statistics either by the use of external analytics services or internal monitoring of user activity.	Provide the data publisher (or other stakeholders) with data access statistics to track and share usage and activity related to profiles, collections, datasets, and other items.	13	++
Submission / Ingest / Management	Provide interfaces (APIs) for the automated execution of tasks, e.g. to ingest data or to integrate data analysis tools and other external applications	API for automatized execution of standard repository tasks and to interoperate with external tools useful to the stakeholders	13	+
Data Access	Provide (authorized) users access to versions of data (e.g. different simulation runs)	Provide different versions of a data set.	12	+
Data Access	Embargo date selection for data-depositing user	The user can select a specific date (e.g., 2016-05-15) or time span (e.g., 1 year) for when the research data shall become available. The selecteable default values can be set by the repository administrator to match the policies of the university.	12	++

Matrix of use cases and functional requirements for research data repository platforms
https://www.rd-alliance.org/group/repository-platforms-research-data-ig/outcomes/matrix-use-cases-and-functional-requirements

Thank you!

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