Name	Type	Content Type Details	Subject	Deployment	Data Storage Location
Bepress Digital Commons	data management system (DMS)	data sets	Multidisciplinary	local	local or remote
Comprehensive Knowledge Archive Network (CKAN)	IR (institutional repository)	data sets	Multidisciplinary	SAAS (software as a service)	remote
Dash (University of California)	IR (institutional repository)		Multidisciplinary	SAAS (software as a service)	remote
DataMed Data Discovery Index	disciplinary repository	NICHD data sets and specimens	Biomedicine	SAAS (software as a service)	remote
Dataverse	IR (institutional repository)	data sets	Multidisciplinary	local	local or remote

Name	Pricing	Submission Fee	Size Limit	Open Source	Flexible repository structure	Support for HTML 5
Bepress Digital Commons	free			yes	yes	
Comprehensive Knowledge Archive Network (CKAN)				yes	yes	
Dash (University of California)	free			no		
DataMed Data Discovery Index	free			no		
Dataverse	yearly contract	Free up to 1 TB	2 GB per file (multiple uploads possible)	yes		

	Architecture			
Name	**Internationalization Support**	**Embargo**	**Content Versioning**	**Persistent Identifier System**
[Bepress Digital Commons](#)	yes	private storage	yes	none
[Comprehensive Knowledge Archive Network (CKAN)](#)			yes	DOI
[Dash (University of California)](#)				
[DataMed Data Discovery Index](#)				
[Dataverse](#)	no		yes	DOI

Name	Pre-reserving DOI	Author identifier system (ORCiD)?
Bepress Digital Commons	no	
Comprehensive Knowledge Archive Network (CKAN)		ORCiD supported
Dash (University of California)		
DataMed Data Discovery Index		
Dataverse		ORCiD supported

Name	Authentication	Metadata Standard
Bepress Digital Commons		https://ckan.org/portfolio/metadata/
Comprehensive Knowledge Archive Network (CKAN)	Shibboleth / OAuth2, Google Account	DataCite Metadata Schema (by default)
Dash (University of California)		Dublin Core
DataMed Data Discovery Index	Spring Security OAuth2 / JWT / OpenSAML	Custom, standards used when possible, data model not yet availble
Dataverse		DDI (Data Documentation Initiative)

	Metadata				
Name	**Importing Schemas**	**Exporting Schemas**	**Record Export Example**	**Schema Flexibility**	**Validation**
Bepress Digital Commons		none		flexible	no
Comprehensive Knowledge Archive Network (CKAN)					
Dash (University of California)		MARC21	https://dash.harvard.edu/handle/1/9547823?show=full		
DataMed Data Discovery Index					
Dataverse		DC, DDI, Schema.org JSON-LD, native JSON, OAI-ORE	https://dataverse.harvard.edu/api/datasets/export?	flexible	

Name	Versioning	ResourceSync API	Sitemaps	Signposting	Activity Streams 2.0
[Bepress Digital Commons](#)	yes		Available as an extension: https://extensions.ckan.org/extension/sitemap/	no	no
[Comprehensive Knowledge Archive Network (CKAN)](#)	yes	yes			
[Dash (University of California)](#)					
[DataMed Data Discovery Index](#)					
[Dataverse](#)	yes			no	no

Name	International Image Interoperability Framework (IIIF)	Creative Commons License	Web Annotation Model and Web Annotation Protocol	Linked Data Notifications	Social Network Identities
			Next-gen Repository Features		
Bepress Digital Commons		yes			
Comprehensive Knowledge Archive Network (CKAN)		yes			
Dash (University of California)					
DataMed Data Discovery Index					
Dataverse		no			no

Name	WebID	HTTP Signatures	OpenID Connect 1.0	WebID/TLS	COUNTER?	Standardized Usage Statistics Harvesting Initiative (SUSHI)
Bepress Digital Commons					no	no
Comprehensive Knowledge Archive Network (CKAN)						
Dash (University of California)						
DataMed Data Discovery Index						
Dataverse	no	no	no	no	no	no

Name	Etag	OpenAIRE API	Record License Specification	Web Mention
Bepress Digital Commons	yes		yes	
Comprehensive Knowledge Archive Network (CKAN)			Creative Commons licensing for all data deposits; can be	
Dash (University of California)				
DataMed Data Discovery Index				
Dataverse	yes	In process: https://github.com/IQSS/dataverse/issues/4257	no	no

Name	Dissemination	
	Web Sub	OAI-PMH API
[Bepress Digital Commons](#)		no
[Comprehensive Knowledge Archive Network (CKAN)](#)		yes
[Dash (University of California)](#)		yes
[DataMed Data Discovery Index](#)		
[Dataverse](#)	no	yes

Name	SWORD API	Other APIs	Interplanetary File System (IPFS)	Optimized for Search Engine Optimization (SEO)?
Bepress Digital Commons		yes		
Comprehensive Knowledge Archive Network (CKAN)	yes			yes
Dash (University of California)		opensearch		
DataMed Data Discovery Index				
Dataverse	yes	data access, search, native, metrics	no	

Name	Indexed in Google Scholar	Preservation Portico, LOCKSS, CLOCKSS-compliant
Bepress Digital Commons		
Comprehensive Knowledge Archive Network (CKAN)		
Dash (University of California)		
DataMed Data Discovery Index		
Dataverse		

	Coding	
Name	**Coding Language(s) / Platforms**	**Developer**
Bepress Digital Commons	Python, Javascript, Pylons web framework, SQLAlchemy, PostgreSQL, SOLR	CKAN Association
Comprehensive Knowledge Archive Network (CKAN)	Stash (Ruby-on-Rails data publication platform), Solr (search)	
Dash (University of California)	Apache Lucene (search)	
DataMed Data Discovery Index	AWS / GitLab / Jenkins / Docker / ECS (build pipeline), AWS S3 (File storage), SQL Server, Elastic Search	
Dataverse	"Dataverse is a Java EE application that is compiled into a war file and deployed to an application server (Glassfish) which is configured to work with a relational database (PostgreSQL) and a search engine (Solr)."	Dataverse Team at the Institute for Quantitative Social Science (IQSS) at Harvard

Name	Grant Tracking
Bepress Digital Commons	
Comprehensive Knowledge Archive Network (CKAN)	FundRef
Dash (University of California)	
DataMed Data Discovery Index	
Dataverse	

Name	Comments
Bepress Digital Commons	like WordPress for data, for Open Data only often compared to DSpace, CKAN offers similar functionality for Open Data
Comprehensive Knowledge Archive Network (CKAN)	
Dash (University of California)	
DataMed Data Discovery Index	NICHD team gave demo during CD2H Dataset Discovery Meeting on 3/21/2019
Dataverse	

Name	Examples
Bepress Digital Commons	data.gov, European Data Portal, others here: https://ckan.org/
Comprehensive Knowledge Archive Network (CKAN)	UC Berkeley - UC Irvine - UC Merced - UC Office of the President - UC Riverside - UC Santa Cruz - UC San Francisco - UC Davis - UC Press - ONEshare (in partnership with DataONE)
Dash (University of California)	
DataMed Data Discovery Index	
Dataverse	https://dataverse.org/

	Additional Information	
Name	**GitHub**	**Documentation**
Bepress Digital Commons	https://github.com/ckan/ckan	https://ckan.org/documentation-and-api/
Comprehensive Knowledge Archive Network (CKAN)	http://cdluc3.github.io/dash/	https://dash.ucop.edu/stash/about#architecture-and-implementation
Dash (University of California)		https://emeritus.library.harvard.edu/open-metadata
DataMed Data Discovery Index		Internal (can be viewed within site)
Dataverse	https://github.com/IQSS/dataverse	http://guides.dataverse.org/en/latest/ (GENERAL), https://dataverse.org/developers (FOR DEVS)

Name	Advantages	Disadvantages
[Bepress Digital Commons](#)	modular, customizable Provides collaboration tools and allow members to manage group members and policies Provides auditing trail of each deposit, showing all changes since initial deposit	Doesn't follow a standard metadata schema Not compatible with OAI-PMH
[Comprehensive Knowledge Archive Network (CKAN)](#)		
[Dash (University of California)](#)		
[DataMed Data Discovery Index](#)		
[Dataverse](#)		

Name	Reference
Bepress Digital Commons	
Comprehensive Knowledge Archive Network (CKAN)	
Dash (University of California)	
DataMed Data Discovery Index	
Dataverse	http://v2.sherpa.ac.uk/id/repository/2954, https://www.re3data.org/repository/r3d100010051

Name	Latest release (date & noteworthy mentions)	Reviewed
Bepress Digital Commons		
Comprehensive Knowledge Archive Network (CKAN)		3/19/19 (MBC), added ResourceSync
Dash (University of California)		
DataMed Data Discovery Index		3/22/2019 (MBC)
Dataverse	v 4.11 released 2/22//19 -added OAI-ORE and BagIT for archival submissions -custom home page options	3/6/19 (LO) 8/28/2019 (MBC)

Name	Other	Contact
Bepress Digital Commons		Adria Merkader, CKAN Tech Lead, Open Knowledge International. linkedin. com/in/adriamercader adria.mercader@okfn.org
Comprehensive Knowledge Archive Network (CKAN)		Options: Justin Gonder, Senior Product Manager, Publishing Justin.Gonder@ucop.edu
Dash (University of California)		Colin Lukens, Repository Manager for Harvard Library Office of Scholarly Communications. colin_lukens@harvard.edu (617) 495-1269
DataMed Data Discovery Index	https://drive.google.com/file/d/1HFvbz3veNJOYEBrFVy5p9sUd-Qab_JUG/view Hazra, Rohan et al. "DASH, the data and specimen hub of the	Rohan Hazra, M.D., (301)-435-6868 rohan.hazra@nih.gov.
Dataverse		Len Wisniewski, Director of engineering lwisniewski@iq.harvard.edu p: 617-496-7971

Name	Type	Content Type Details	Subject	Deployment	Data Storage Location
[Digital Access to Scholarship at Harvard (DASH)](#)	data index	Basic and Clinical Sciences data sets and repositories	Biomedicine	SAAS (software as a service)	remote
[DigitalHub](#)	IR (institutional repository)	various	Multidisciplinary	SAAS (software as a service)	remote
[Dryad](#)	IR (institutional repository)	basic and clinical sciences	Biomedicine	local	local
DSpace	IR (institutional repository)	data sets	Multidisciplinary		remote
[DSpace-CRIS](#)	IR (institutional repository)	various	Multidisciplinary	local or SAAS	local or remote

Name	Pricing	Submission Fee	Size Limit	Open Source	Flexible repository structure	Support for HTML 5
Digital Access to Scholarship at Harvard (DASH)				yes		
DigitalHub	monthly fee			no	yes	yes
Dryad	free	none		yes	yes	
DSpace	Monthly or per-usage fee	$120 US per data package (all data associated with one publication)	none	yes		
DSpace-CRIS	yearly contract			yes	yes	no

	Architecture			
Name	**Internationalization Support**	**Embargo**	**Content Versioning**	**Persistent Identifier System**
[Digital Access to Scholarship at Harvard (DASH)](#)		no		none
[DigitalHub](#)		yes		URL and DOI
[Dryad](#)	no	no	no	DOI
DSpace				DOI (DataCite)
[DSpace-CRIS](#)	yes	yes	no	DOI URL

Name	Pre-reserving DOI	Author identifier system (ORCiD)?
Digital Access to Scholarship at Harvard (DASH)	no	
DigitalHub		
Dryad	yes	ORCiD supported
DSpace		
DSpace-CRIS	yes	ORCiD

Name	Authentication	Metadata Standard
[Digital Access to Scholarship at Harvard (DASH)](#)		DAta Tag Suite (DATS)*
[DigitalHub](#)		Dublin Core, Simple and Qualified
[Dryad](#)		Dublin Core, LCSH, MeSH
DSpace		Dublin Core Metadata Initiative Abstract Model (DCAM), Open Archives Initiative Object Reuse and Exchange (OAI-ORE), RDF Data Cube Vocabulary
[DSpace-CRIS](#)		Dublin Core

	Metadata				
Name	**Importing Schemas**	**Exporting Schemas**	**Record Export Example**	**Schema Flexibility**	**Validation**
Digital Access to Scholarship at Harvard (DASH)					
DigitalHub				yes	
Dryad		external scripts	https://digitalhub. northwestern. edu/files/3e5cf48 7-2383-4d1f- b697-	fixed	no
DSpace			https: //datadryad. org/resource/doi: 10.5061/dryad. jb4645r? show=full		
DSpace-CRIS		Any pre-loaded schemas		flexible	yes

Name	Versioning	ResourceSync API	Sitemaps	Signposting	Activity Streams 2.0
Digital Access to Scholarship at Harvard (DASH)				no	no
DigitalHub					no
Dryad	no	no	no	no	no
DSpace	yes				no
DSpace-CRIS	no	Version 7 (early 2019) 4Science & Cottage Labs ○ Backports to 6.x	yes	Version 7 (early 2019)	no

Name	Next-gen Repository Features				
	International Image Interoperability Framework (IIIF)	Creative Commons License	Web Annotation Model and Web Annotation Protocol	Linked Data Notifications	Social Network Identities
Digital Access to Scholarship at Harvard (DASH)		no			
DigitalHub	yes	yes			
Dryad	yes	yes	no	no	no
DSpace					
DSpace-CRIS	IIIF Image API, IIIF Search API, IIIF Presentation API & IIIF Authentication	Only supported at the item level			

Name	WebID	HTTP Signatures	OpenID Connect 1.0	WebID/TLS	COUNTER?	Standardized Usage Statistics Harvesting Initiative (SUSHI)
Digital Access to Scholarship at Harvard (DASH)					no	no
DigitalHub					no	no
Dryad	no	no	no	no	no	no
DSpace					no	no
DSpace-CRIS					no	no

Name	Etag	OpenAIRE API	Record License Specification	Web Mention
Digital Access to Scholarship at Harvard (DASH)	yes			
DigitalHub	yes			
Dryad	no	no	no	no
DSpace	yes			
DSpace-CRIS	Planned in DSpace 7	yes	yes	

Name	Dissemination	
	Web Sub	OAI-PMH API
Digital Access to Scholarship at Harvard (DASH)		
DigitalHub		yes
Dryad	no	no
DSpace		yes
DSpace-CRIS		yes

Name	SWORD API	Other APIs	Interplanetary File System (IPFS)	Optimized for Search Engine Optimization (SEO)?
Digital Access to Scholarship at Harvard (DASH)		DataMed web API (JSON)		
DigitalHub				yes
Dryad	no	no	no	no
DSpace		https://www.re3data.org/repository/r3d100000044		
DSpace-CRIS	v1 and v2 supported	yes	in development (4Science)	Limited

Name	Indexed in Google Scholar	Preservation
		Portico, LOCKSS, CLOCKSS-compliant
Digital Access to Scholarship at Harvard (DASH)		
DigitalHub	yes	LOCKSS
Dryad	no	
DSpace		
DSpace-CRIS	yes	LOCKSS (Add-on service)

	Coding	
Name	**Coding Language(s) / Platforms**	**Developer**
Digital Access to Scholarship at Harvard (DASH)		
DigitalHub	Current platform is built on Python, Django, PostgreSQL, Node.js,Elasticsearch and Perl on a hybrid architecture of cloud-based and self-hosted equipment. (information taken from engineer profiles/details on linkedin) (LO	Elsevier/Bepress
Dryad	Ruby, based on Sufia + Hydra (Fedora, Solr)	Duraspace, customization by Galter Health Sciences Library
DSpace		
DSpace-CRIS	Java, Solr, Assetstore, Apache Lucene (search) V7.0 to be released in 2019 will feature V 7.0 will feature single, Angular UI, REST API. Will	Duraspace

Name	Grant Tracking
Digital Access to Scholarship at Harvard (DASH)	
DigitalHub	
Dryad	
DSpace	
DSpace-CRIS	

Name	Comments
[Digital Access to Scholarship at Harvard (DASH)](#)	*Available as an annotated serialization in schema.org
[DigitalHub](#)	SCOPUS integration
[Dryad](#)	
DSpace	
[DSpace-CRIS](#)	most popular worldwide. From June 2019 Repository Rode (Open Repositories Hamburg), working on : UI using Angular JS

Name	Examples
Digital Access to Scholarship at Harvard (DASH)	
DigitalHub	https://www.bepress.com/products/digital-commons/why-digital-commons/customers/
Dryad	
DSpace	
DSpace-CRIS	DataDryad: https://datadryad.org/ (This system is a custom, open source product based on DSpace that is tailored more towards data repository needs) Edinburgh Data Share: http://datashare.is.ed.ac.uk University of Minnesota: https://conservancy.umn.edu/handle/11299/166578

Name	Additional Information	
	GitHub	**Documentation**
Digital Access to Scholarship at Harvard (DASH)		https://biocaddie.org/group/working-group/working-group-3-descriptive-metadata-datasets
DigitalHub		https://www.bepress.com/products/digital-commons/resources/
Dryad	https://github.com/galterlibrary/digital-repository	https://digitalhub.northwestern.edu/help/#User%20Guides
DSpace	https://github.com/datadryad/dryad-repo (maintenance) New repo https://github.com/CDL-Dryad/dryad	
DSpace-CRIS		

Name	Advantages	Disadvantages
[Digital Access to Scholarship at Harvard (DASH)](#)		
[DigitalHub](#)		
[Dryad](#)		
DSpace		
[DSpace-CRIS](#)	out-of-the-box, scalable, easy to maintain Can work with multiple metadata schemas Can export DIPs that include METS metadata	The metadata is customizable but not hierarchical like RDF. Limited to the format: [schema].[element].

Name	Reference
Digital Access to Scholarship at Harvard (DASH)	
DigitalHub	
Dryad	
DSpace	https://www.re3data.org/repository/r3d100000044
DSpace-CRIS	

Name	Latest release (date & noteworthy mentions)	Reviewed
Digital Access to Scholarship at Harvard (DASH)		3/19/19 (MC), documentation link
DigitalHub		3/7/19 (LO)
Dryad		8/28/2019 (MBC)
DSpace		8/28/2019 (MBC)
DSpace-CRIS	8/17/2018 v. 6.3. This release was only for bug fixes. No additional functionality added.	3/6/2019 (LO) 7/3/19 8/12/19

Name	Other	Contact
[Digital Access to Scholarship at Harvard (DASH)](#)	https://www.nature.com/articles/sdata201759	Core development gteam: coredev@biocaddie.org List of team members: https://biocaddie.org/core-development-team

Dr. Alejandra Gonzalez-Beltran is the contact on Github. alejandra.gonzalezbeltran@oerc.ox.ac.uk |
[DigitalHub](#)		Joel Stevenson, Director of Engineering at bepress https://www.linkedin.com/in/joelstevenson/ (was promoted from
[Dryad](#)		
DSpace	variant of DSpace	List of people on project here: https://github.com/CDL-Dryad/dryad/blob/master/app/views/layouts/_about.html.md
[DSpace-CRIS](#)	get a 404 to feature set list on website (3/6). Same for the linke to Repository66, the look at the DSpace repositories around the world.

DSpace 7 Preview release is aimed for end of March, followed by a Beta in May (before OR2019). The top priorities for the Preview | Options: |

Name	Type	Content Type Details	Subject	Deployment	Data Storage Location
DSpace-GLAM	IR (institutional repository)			local	local or remote
ePrints	IR (institutional repository)		Multidisciplinary	local	local or remote
EUDAT (with B2Share module)	IR (institutional repository)	various	Multidisciplinary	local or SAAS	local or remote
Fedora Commons	IR (institutional repository)	data sets	Multidisciplinary	SAAS (software as a service)	remote
Figshare	framework / architecture		Multidisciplinary	local	local
Google Dataset Search	IR (institutional repository)		Multidisciplinary	SAAS (software as a service)	remote

Name	Pricing	Submission Fee	Size Limit	Open Source	Flexible repository structure	Support for HTML 5
DSpace-GLAM	yearly contract			yes		no
ePrints	yearly contract			yes		no
EUDAT (with B2Share module)	Infrastructure management			yes	yes	no
Fedora Commons	monthly fee			no	no	
Figshare	free			yes		no
Google Dataset Search	yearly contract	Free for individuals, paid accounts for institutions	5 GB per file for free accounts, but files up to 5 TB in size possible	no	no	

	Architecture			
Name	**Internationalization Support**	**Embargo**	**Content Versioning**	**Persistent Identifier System**
DSpace-GLAM				DOI
ePrints				DOI
EUDAT (with B2Share module)	yes	yes	yes	DOI
Fedora Commons	no	yes	yes	DOI
Figshare				Persistant identifiers
Google Dataset Search	no	private storage	no	Different PIDs depending on output: type: Data PID: DataCite DOI

Name	Pre-reserving DOI	Author identifier system (ORCiD)?
DSpace-GLAM	yes	
ePrints	yes	ORCiD
EUDAT (with B2Share module)	yes	ORCiD (3rd party plug-in)
Fedora Commons	yes	Has been integrated a ID provider
Figshare		ORCiD
Google Dataset Search	yes	ORCiD (needs Datacite to be authorized on ORCiD)

Name	Authentication	Metadata Standard
DSpace-GLAM		Configurable
ePrints		Configurable
EUDAT (with B2Share module)		Dublin Core, configurable with plugins
Fedora Commons		ABCD - Access to Biological Collection Data
Figshare		-
Google Dataset Search	The v2 API supports OAuth2 access tokens, (described in the oauth documentation page). Additionally, one can also use a personal token which grants you full	Supported metadata formats: Dublin Core (oai_dc), Datacite (oai_datacite), RDF (rdf), CERIF XML (cerif), Qualified Dublin Core (qdc) (hasPart support), Metadata Encoding and Transmission Standard (mets) and UKETD_DC

Name	Metadata				
	Importing Schemas	Exporting Schemas	Record Export Example	Schema Flexibility	Validation
DSpace-GLAM					
ePrints					
EUDAT (with B2Share module)		DC, METS, MODS, DIDL		fixed	yes
Fedora Commons		DC, MARC, MARC-XML		flexible	yes
Figshare		-		-	-
Google Dataset Search		RefWorks, BibTeX, Ref. manager, Endnote, DataCite, NLM, DC, schema.org		fixed	no

Name	Versioning	ResourceSync API	Sitemaps	Signposting	Activity Streams 2.0
DSpace-GLAM		Resourcesync is also worked on but usefulness and therefore implementation is not clear (from	yes	Yes	no
ePrints			yes	DSpace-CRIS 5+	no
EUDAT (with B2Share module)	yes	no		no	no
Fedora Commons	yes				no
Figshare	-	ResourceSync has been implemented at the Samvera/Hyku application layer above Fedora	Sitemaps are typically implemented at the layer above Fedora (e.g. Islandora	no	yes
Google Dataset Search	no				no

Name	Next-gen Repository Features				
	International Image Interoperability Framework (IIIF)	Creative Commons License	Web Annotation Model and Web Annotation Protocol	Linked Data Notifications	Social Network Identities
DSpace-GLAM	NO	Only supported at the item level			
ePrints	yes	Only supported at the item level			
EUDAT (with B2Share module)	yes	yes			
Fedora Commons					
Figshare	IIIF image servers can be integrated with Fedora, as some folks in the Samvera	Add-on service	Web Annotation Protocol	yes	
Google Dataset Search	yes				

Name	WebID	HTTP Signatures	OpenID Connect 1.0	WebID/TLS	COUNTER?	Standardized Usage Statistics Harvesting Initiative (SUSHI)
DSpace-GLAM					no	no
ePrints					no	no
EUDAT (with B2Share module)					no	no
Fedora Commons					no	no
Figshare	Fedora supports WebIDs, though the actual authentication would take place at the	Handled at the Islandora/Samvera level			no	no
Google Dataset Search					no	no

Name	Etag	OpenAIRE API	Record License Specification	Web Mention
DSpace-GLAM	yes			
ePrints	yes			
EUDAT (with B2Share module)	yes		yes	
Fedora Commons	yes		yes	
Figshare	yes			
Google Dataset Search	yes		yes	

Name	Dissemination	
	Web Sub	OAI-PMH API
DSpace-GLAM		yes
ePrints		yes
EUDAT (with B2Share module)		yes
Fedora Commons		yes
Figshare		yes
Google Dataset Search		yes

Name	SWORD API	Other APIs	Interplanetary File System (IPFS)	Optimized for Search Engine Optimization (SEO)?
DSpace-GLAM		yes		Limited
ePrints		yes		Limited
EUDAT (with B2Share module)	yes	OAI-ORE, Apache Jena (Linked Data), SPARQL, ATOM		yes
Fedora Commons		yes		
Figshare	v3 support in the works		planned for future versions	no
Google Dataset Search		yes		Yes

Name	Indexed in Google Scholar	Preservation
		Portico, LOCKSS, CLOCKSS-compliant
DSpace-GLAM	yes	LOCKSS (Add-on service)
ePrints	yes	LOCKSS (Add-on service)
EUDAT (with B2Share module)		no
Fedora Commons		
Figshare	no	LOCKSS (Add-on service)
Google Dataset Search	Yes	

	Coding	
Name	**Coding Language(s) / Platforms**	**Developer**
DSpace-GLAM		4science
ePrints		4science
EUDAT (with B2Share module)	Xapian (search engine)	
Fedora Commons	Based on Invenio. Makes use of REST APIs, data model based on JSON/JSON schema. Deployment in Docker.	
Figshare		Duraspace
Google Dataset Search		

Name	Grant Tracking
DSpace-GLAM	
ePrints	
[EUDAT (with B2Share module)](EUDAT)	
Fedora Commons	
Figshare	
Google Dataset Search	Yes. Able to link grant information to published data

Name	Comments
[DSpace-GLAM](#)	
ePrints	Standard DSpace is used to deal with publications and data sets, whereas DSpace-CRIS involves other CRIS entities: Researcher Pages, Projects, Organization Units and Second Level Dynamic Objects (single entities specialized by a profile, such as Journal, Prize, Event etc; because any profile can
[EUDAT (with B2Share module)](#)	often compared to DSpace, CKAN offers similar functionality for Open Data
Fedora Commons	associated project - Dendro (helps researchers with data description; can help publish data to a variety of platforms, including Zenodo): https://github.com/feup-infolab/dendro B2FIND (search) module is based on CKAN
[Figshare](#)	From Open Repositories Repository Rodeo (6/19) Implement oxford common file format - exporting increase transparency and durability. Performance, scale Return to digital preservation
[Google Dataset Search](#)	https://www.re3data.org/repository/r3d100010066 Figshare has a collections feature that allows users to group reserach privately or publicly.

Name	Examples
DSpace-GLAM	
ePrints	https://www.openstarts.units.it/
EUDAT (with B2Share module)	
Fedora Commons	
Figshare	University of Alberta, Education & Research Archive: https://era.library.ualberta.ca/ University of Michigan, Deep Blue Data: https://deepblue.lib.umich.edu/data/ ICPSR: https://www.datalumos.org/ and https://www.openicpsr.org/openicpsr/
Google Dataset Search	

Name	Additional Information	
	GitHub	Documentation
[DSpace-GLAM](#)		
ePrints		
[EUDAT (with B2Share module)](#)		
Fedora Commons	https://github.com/EUDAT-B2SHARE/b2share	
[Figshare](#)		
[Google Dataset Search](#)		

Name	Advantages	Disadvantages
DSpace-GLAM		Do not provide collaboration
ePrints	https://wiki.duraspace.org/display/DSPACECRIS/DSpace-CRIS+Home	Do not provide collaboration
EUDAT (with B2Share module)		Do not provide collaboration tools for users, so not suitable for dynamic data.
Fedora Commons		
Figshare	scalable, fully customizable Can work with multiple metadata schemas	Requires developers for set up and maintenance. Requires high level of expertise for custom features.
Google Dataset Search		weak metadata capabilities

Name	Reference
[DSpace-GLAM](#)	tools for users, so not suitable for dynamic data.
ePrints	tools for users, so not suitable for dynamic data.
[EUDAT (with B2Share module)](#)	
Fedora Commons	
[Figshare](#)	
[Google Dataset Search](#)	

Name	Latest release (date & noteworthy mentions)	Reviewed
DSpace-GLAM		last update 5/30 (LOK).
ePrints		
EUDAT (with B2Share module)		
Fedora Commons		
Figshare		
Google Dataset Search	NIH partnership/1year Pilot w Figshare announced https://figshare.com/blog/Figshare_announces_data_repository_partnership_with_the_National_Institutes_of_Health_to_store_and_reuse_research_data/518	Updated 8/12/2019 (LOK) Updated 8/28/2019 (MBC)

Name	Other	Contact
[DSpace-GLAM](#)	Based on DSpace and DSpace-CRIS	Andrea and Luigiandrea (D-space CRIS) are also contacts for this. See above.
ePrints	Based on DSpace	According to website: Andrea.Bollini@4science.it luigiandrea. pascarelli@4science.it
[EUDAT (with B2Share module)](#)		Justin Bradley, Strategy and Technical lead jb4@ecs.soton.ac.uk Kelly Terrelll, Open Education and Services
Fedora Commons	EUDAT/B2Share offers a common model and service infrastructure for all European research data centres and community data repositories. In September 2016, a 10-year agreement was signed by 18 of the EUDAT service providers, guaranteeing long term sustainability to communities, infrastructures and their end-users	Johannes Reetz, leads EUDAT operations johannes.reetz@mpcdf.mpg. de
[Figshare](#)		David Wilcox, Product Manager Dwilcox@duraspace.org
[Google Dataset Search](#)	Patrick Splawa-Newman, the product owner for figshare, left to be a data sciences librarian at end of year. Not sure who owns product now in the org (3/6/19)	Adrian "Adi" Enosoaie, CTO adi.enasoaie@gmail.com Note: can't find any actual Figshare emails but Kristi has contacts there so I'll ask her.

Name	Type	Content Type Details	Subject	Deployment	Data Storage Location
[Haplo](#)	framework / architecture	dataset metadata	Multidisciplinary	SAAS (software as a service)	remote
[Invenio (v3)](#)	IR (institutional repository)	Traditional scholarly publications, practise based research, and research data. E	Multidisciplinary	SAAS (software as a service)	remote
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	framework / architecture	various	Multidisciplinary	local	local (or remote)

Name	Pricing	Submission Fee	Size Limit	Open Source	Flexible repository structure	Support for HTML 5
Haplo	free			no	no	
Invenio (v3)				yes		
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	free			yes	yes	yes

	Architecture			
Name	**Internationalization Support**	**Embargo**	**Content Versioning**	**Persistent Identifier System**
[Haplo](#)	yes	-	-	-
[Invenio (v3)](#)		Yes. Supports multiple embargo periods on a single record. Managed different embargo periods for each file type associated with a single output record. Publisher embargo periods for research	All records are version controlled. Administrators cam view all previous versions of information, and who made the changes - and revert to previous versions.	
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	yes	to extract from Zenodo	yes	yes

Name	Pre-reserving DOI	Author identifier system (ORCiD)?
Haplo	-	-
Invenio (v3)	Haplo supports plug-ins to generate and assign DOIs, using DataCite, with institution-specific prefixes on ingest where a DOI is not already recorded for an item. Where a DOI is minted for the item, the DOI is automatically added to the	Yes. Creates unique author profiles per person, NOT per citation. The UI lets author to choose citation for an output independently of the link to their author profile. Different outputs can use different citations but be linked to the same researcher profile
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	to extract from Zenodo	ORCiD supported

Name	Authentication	Metadata Standard
Haplo		schema.org/DataCatalog
Invenio (v3)	Authentication Services: LDAP, Shibboleth, ADFS	Supports Datacite schema. Translates to/from typical config of EPrints EP3 XML. Adds a translation to the uketd_dc metadata format Produces a mapping from Haplo's
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	yes (we also developed an LDAP module)	Any (DataCite, Dublin Core...)

	Metadata				
Name	**Importing Schemas**	**Exporting Schemas**	**Record Export Example**	**Schema Flexibility**	**Validation**
[Haplo](#)		-		-	-
[Invenio (v3)](#)	Metadata import and compatibility with legacy EPrints repositories			Uses flexible metadata schema. Institutions can tailor metadata to describe research.	
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	Any pre-loaded schemas (JSON-LD, Dublin Core, DataCite, MARCXML, Citation Style Language, etc.)	Any pre-loaded schemas (JSON-LD, Dublin Core, DataCite, MARCXML, Citation Style Language, etc.)		flexible	yes

Name	Versioning	ResourceSync API	Sitemaps	Signposting	Activity Streams 2.0
Haplo	-	-		-	no
Invenio (v3)	All records within Haplo Repository are version controlled. Administrators can view all previous	Haplo supports efficient inter-repository messaging to sync metadata records between otherwise isolated repositories	?	?	?
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	yes	NII is working to implement	yes	no	no

Name	Next-gen Repository Features				
	International Image Interoperability Framework (IIIF)	**Creative Commons License**	**Web Annotation Model and Web Annotation Protocol**	**Linked Data Notifications**	**Social Network Identities**
Haplo	-				
Invenio (v3)	?	?	?	?	?
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	yes	?	no	no	Support via OAuth 2.0 (e.g. possible to do GitHub, Google, Twitter authentication). Invenio maps

Name	WebID	HTTP Signatures	OpenID Connect 1.0	WebID/TLS	COUNTER?	Standardized Usage Statistics Harvesting Initiative (SUSHI)
Haplo					no	no
Invenio (v3)	?	?		?	?	?
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	no	no	Invenio supports login via OAuth 2.0, which is needed to integrate with an OpenID Connect 1.0 provider	no	yes	no

Name	Etag	OpenAIRE API	Record License Specification	Web Mention
Haplo	yes	-	-	
Invenio (v3)	?	?	?	?
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	yes	yes	yes	no

	Dissemination	
Name	**Web Sub**	**OAI-PMH API**
Haplo		-
Invenio (v3)		Yes.
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	no	yes

Name	SWORD API	Other APIs	Interplanetary File System (IPFS)	Optimized for Search Engine Optimization (SEO)?
[Haplo](#)	-	-		yes
[Invenio (v3)](#)	?	he Haplo Platform provides a server-side JavaScript plugin API, allowing users to write plugins to implement custom functionality. For	?	Yes
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	Currently under design	yes	no	yes (to some extent)

Name	Indexed in Google Scholar	Preservation Portico, LOCKSS, CLOCKSS-compliant
Haplo		
Invenio (v3)	Yes	?
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	Yes	no (don't know)

Name	Coding	
	Coding Language(s) / Platforms	Developer
Haplo		Google
Invenio (v3)	The majority of the app runs on the JVM. The platform is mainly written in JRuby, Java and JavaScript. The custom object store is implemented as C++ extensions to PostgreSQL. Their infrastructure and deployment tools are	
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	Python (flask), Javascript (angularjs -> react but flexible) Relational database for managing bibliographic letters and operational data (MySQL, PostgreSQL, SQLite, supported) SQLAlchemy provides object-relational mapping	CERN

Name	Grant Tracking
Haplo	
Invenio (v3)	See Haplo Research Manager
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	yes (to some extent)

Name	Comments
Haplo	-
Invenio (v3)	Data stored in multiple co-location facilities in the UK
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	

Name	Examples
Haplo	
Invenio (v3)	
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	ICPSR (https://www.openicpsr.org/openicpsr/), HEPData, Rodare, Zenodo, B2Share (part of EUDAT), CERN Open Data, Inspire-HEP (https://www.re3data.org/search?query=INVENIO)

		Additional Information
Name	**GitHub**	**Documentation**
Haplo		https://www.blog.google/products/search/making-it-easier-discover-datasets/, https://developers.google.com/search/docs/data-types/dataset
Invenio (v3)	https://github.com/haplo-org/	https://support.haplo.com/
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	https://github.com/inveniosoftware/invenio	https://invenio.readthedocs.io/en/latest/

Name	Advantages	Disadvantages
[Haplo]()		
[Invenio (v3)]()		
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	modular, robust community, JSON native, APIs for every module, compatible with many metadata representations	requires developers for set up and maintenance

Name	Reference
Haplo	
Invenio (v3)	
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20	

Name	Latest release (date & noteworthy mentions)	Reviewed
Haplo		
Invenio (v3)		LOK 5/28
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20		

Name	Other	Contact
Haplo		
Invenio (v3)	Dev process and tools: https://www.haplo.com/jobs/how-we-work	
InvenioRDM (upcoming, please contact info@inveniosoftware.org for details) Note: in development. All features will be available when it launches in 6/20		

Name	Type	Content Type Details	Subject	Deployment	Data Storage Location
Islandora	Data management platform, institutional repository, data index	various	Multidisciplinary	local & SAAS	local and remote
LibreCat / Catmandu	IR (institutional repository)		Multidisciplinary	local	local
Mendeley Data	data management system (DMS)		Multidisciplinary	local	local

Name	Pricing	Submission Fee	Size Limit	Open Source	Flexible repository structure	Support for HTML 5
Islandora	free			yes	yes	yes
LibreCat / Catmandu	free			yes		no
Mendeley Data				yes		

	Architecture			
Name	**Internationaliza tion Support**	**Embargo**	**Content Versioning**	**Persistent Identifier System**
Islandora	yes	Yes	yes	yes
LibreCat / Catmandu				Persistant identifiers
Mendeley Data				

Name	Pre-reserving DOI	Author identifier system (ORCiD)?
Islandora	yes	yes, as well as enabling other author identification systems
LibreCat / Catmandu		
Mendeley Data		

Name	Authentication	Metadata Standard
Islandora	local, LDAP, SAML, OAuth	Any (DataCite with any potential extensions)
LibreCat / Catmandu		https://islandora.ca/content/metadata-schemas
Mendeley Data		-

	Metadata				
Name	**Importing Schemas**	**Exporting Schemas**	**Record Export Example**	**Schema Flexibility**	**Validation**
Islandora	Any pre-loaded schemas (JSON-LD, Dublin Core, DataCite, MARCXML, Citation Style Language, etc.)	Any pre-loaded schemas (JSON-LD, Dublin Core, DataCite, MARCXML, Citation Style Language, etc.)		flexible and extendable	yes
LibreCat / Catmandu					
Mendeley Data		-		-	-

Name	Versioning	ResourceSync API	Sitemaps	Signposting	Activity Streams 2.0
Islandora	yes	NII is working to implement	yes	yes	no
LibreCat / Catmandu		ResourceSync has been implemented at the Samvera/Hyku application layer above Fedora	yes	no	no
Mendeley Data	-	no		no	no

Name	Next-gen Repository Features				
	International Image Interoperability Framework (IIIF)	Creative Commons License	Web Annotation Model and Web Annotation Protocol	Linked Data Notifications	Social Network Identities
Islandora	yes	yes	no	no	Support via OAuth 2.0 (e.g. possible to do GitHub, Google, Twitter authentication). Invenio maps external identity to local identity.
LibreCat / Catmandu		Add-on service			
Mendeley Data					

Name	WebID	HTTP Signatures	OpenID Connect 1.0	WebID/TLS	COUNTER?	Standardized Usage Statistics Harvesting Initiative (SUSHI)
Islandora	no	no	Invenio supports login via OAuth 2.0, which is needed to integrate with an OpenID Connect 1.0 provider	no	yes	no, on the roadmap
LibreCat / Catmandu	yes	yes			no	no
Mendeley Data					no	no

Name	Etag	OpenAIRE API	Record License Specification	Web Mention
Islandora	yes	yes	yes	no
LibreCat / Catmandu	via Fedora			
Mendeley Data	yes			

	Dissemination	
Name	Web Sub	OAI-PMH API
Islandora	no	yes
LibreCat / Catmandu		yes
Mendeley Data		

Name	SWORD API	Other APIs	Interplanetary File System (IPFS)	Optimized for Search Engine Optimization (SEO)?
Islandora	Currently under design	yes	no	yes
LibreCat / Catmandu				Add-on service
Mendeley Data				

Name	Indexed in Google Scholar	Preservation Portico, LOCKSS, CLOCKSS-compliant
Islandora	yes	no
LibreCat / Catmandu	Add-on service	no
Mendeley Data		

	Coding	
Name	**Coding Language(s) / Platforms**	**Developer**
Islandora	Python (flask), Javascript (angularjs -> react but flexible) Relational database for managing bibliographic letters and operational data (MySQL, PostgreSQL, SQLite) SQLAlchemy provides object-relational mapping Bibliographic record format: JSON (MARC21 in older versions) Front end: HTML and Javascript, Angular.js (REACT.js in future versions) Web server: any Load balancing: any Indexing and searching: Elasticsearch Queuing system: Celery task queue infrastructure: Dockerization, multiple storage systems	Multiple contributors, open source InvenioRDM community
LibreCat / Catmandu	Fedora Commons, Drupal CMS, others	
Mendeley Data	Perl	Developers at Ghent, Lund, and Bielefeld Universities (see http://librecat.org/about.html)

Name	Grant Tracking
Islandora	yes
LibreCat / Catmandu	
Mendeley Data	

Name	Comments
Islandora	
LibreCat / Catmandu	a flavor of Drupal (drupal.org) that is built on a Fedora and Solr backend
Mendeley Data	

Name	Examples
Islandora	
LibreCat / Catmandu	https://islandora.ca/islandora-installations
Mendeley Data	http://librecat.org/use-cases.html

Name	Additional Information	
	GitHub	Documentation
Islandora		
LibreCat / Catmandu	https://github.com/Islandora	https://wiki.duraspace.org/display/ISLANDORA/Islandora
Mendeley Data	https://github.com/LibreCat	http://librecat.org/Catmandu/

Name	Advantages	Disadvantages
Islandora	Turn-key, modular, robust community, JSON native, APIs for every module, compatible with many metadata representations	
LibreCat / Catmandu	Can work with multiple metadata schemas (via Fedora)	
Mendeley Data		

Name	Reference
Islandora	
LibreCat / Catmandu	
Mendeley Data	

Name	Latest release (date & noteworthy mentions)	Reviewed
Islandora		Data entered 8/14/2019 by Galter/CERN team.
LibreCat / Catmandu		
Mendeley Data		

Name	Other	Contact
Islandora		
LibreCat / Catmandu	Based on Fedora Commons. From Open Repositories 2019 Repository Rodeo: Releases done by volunteers (including release manager) More than 40 maintainers, testers, documenters	David Wilcox from DuraSpace is mentioned as contact in presentations. Dwilcox@duraspace.org
Mendeley Data		Patrick Hochstenbach, Ghent patrick. hochstenbach@ugent.be Jörgen Eriksson, Lund jorgen.eriksson@lub.lu.se Vitali Peil, Bielefeld vitali.peil@uni-bielefeld.de

Name	Type	Content Type Details	Subject	Deployment	Data Storage Location
[MyCoRe](#)	data management system (DMS)	varioius	Multidisciplinary	SAAS (software as a service)	remote
[NICHD Data and Specimen Hub (DASH)](#)	framework / architecture		Multidisciplinary	local	local
[NYU Data Catalog](#)	data index	catalog records	Multidisciplinary	local	local
[Open Journal Systems (OJS)](#)	IR (institutional repository)		Multidisciplinary	local	
[Open Science Framework (OSF)](#)	IR (institutional repository)	various	Multidisciplinary		

Name	Pricing	Submission Fee	Size Limit	Open Source	Flexible repository structure	Support for HTML 5
MyCoRe	free	none	10 GB per dataset	no		
NICHD Data and Specimen Hub (DASH)				yes	yes	
NYU Data Catalog	free			yes		
Open Journal Systems (OJS)				yes		
Open Science Framework (OSF)						

Name	Architecture			
	Internationalization Support	Embargo	Content Versioning	Persistent Identifier System
MyCoRe				DOI
NICHD Data and Specimen Hub (DASH)				
NYU Data Catalog				
Open Journal Systems (OJS)				
Open Science Framework (OSF)				

Name	Pre-reserving DOI	Author identifier system (ORCiD)?
MyCoRe		
NICHD Data and Specimen Hub (DASH)		yes
NYU Data Catalog		
Open Journal Systems (OJS)		
Open Science Framework (OSF)		

Name	Authentication	Metadata Standard
MyCoRe		
NICHD Data and Specimen Hub (DASH)		Metadata Object Description Schema (MODS)
NYU Data Catalog		Common metadata elements for Cataloging Biomedical Datasets, DataCite, Dryad, DCAT, BioCADDIE Metadata v1 (Data Tag Suite, https://github.com/biocaddie/WG3-MetadataSpecifications/blob/master/json-instances/NYU/NYU-sdo-jsonld.json/NYU-sdo-json-ld.json)
Open Journal Systems (OJS)		NLM, OpenURL, Dublin Core, MODS
Open Science Framework (OSF)		?

Name	Metadata				
	Importing Schemas	**Exporting Schemas**	**Record Export Example**	**Schema Flexibility**	**Validation**
[MyCoRe](#)					
[NICHD Data and Specimen Hub (DASH)](#)				flexible	
[NYU Data Catalog](#)					
[Open Journal Systems (OJS)](#)					
[Open Science Framework (OSF)](#)					

Name	Versioning	ResourceSync API	Sitemaps	Signposting	Activity Streams 2.0
MyCoRe					
NICHD Data and Specimen Hub (DASH)					no
NYU Data Catalog		no		no	no
Open Journal Systems (OJS)		implemented by 4science		no	no
Open Science Framework (OSF)					

Name	Next-gen Repository Features				
	International Image Interoperability Framework (IIIF)	Creative Commons License	Web Annotation Model and Web Annotation Protocol	Linked Data Notifications	Social Network Identities
MyCoRe					
NICHD Data and Specimen Hub (DASH)					
NYU Data Catalog					
Open Journal Systems (OJS)					
Open Science Framework (OSF)					

Name	WebID	HTTP Signatures	OpenID Connect 1.0	WebID/TLS	COUNTER?	Standardized Usage Statistics Harvesting Initiative (SUSHI)
MyCoRe						
NICHD Data and Specimen Hub (DASH)					no	no
NYU Data Catalog					no	no
Open Journal Systems (OJS)					no	no
Open Science Framework (OSF)					no	no

Name	Etag	OpenAIRE API	Record License Specification	Web Mention
MyCoRe				
NICHD Data and Specimen Hub (DASH)	yes			
NYU Data Catalog	yes			
Open Journal Systems (OJS)	yes			
Open Science Framework (OSF)	yes			

Name	Dissemination	
	Web Sub	**OAI-PMH API**
[MyCoRe](#)		
[NICHD Data and Specimen Hub (DASH)](#)		yes
[NYU Data Catalog](#)		
[Open Journal Systems (OJS)](#)		
[Open Science Framework (OSF)](#)		

Name	SWORD API	Other APIs	Interplanetary File System (IPFS)	Optimized for Search Engine Optimization (SEO)?
MyCoRe				
NICHD Data and Specimen Hub (DASH)	yes			
NYU Data Catalog				
Open Journal Systems (OJS)		JSON-based native		
Open Science Framework (OSF)				

Name	Indexed in Google Scholar	Preservation Portico, LOCKSS, CLOCKSS-compliant
MyCoRe		
NICHD Data and Specimen Hub (DASH)		
NYU Data Catalog		
Open Journal Systems (OJS)		
Open Science Framework (OSF)		

	Coding	
Name	**Coding Language(s) / Platforms**	**Developer**
MyCoRe		
NICHD Data and Specimen Hub (DASH)	Java, Apache Solr (search)	
NYU Data Catalog	Symfony2 (PHP app framework), Solr, MySQL	NYU Health Sciences Library
Open Journal Systems (OJS)	PHP	Public Knowledge Project
Open Science Framework (OSF)	PHP (Zend framework), XSLT, JavaScript, Solr	Cooperative Library Network Berlin-Brandenburg (Q21008407)

Name	Grant Tracking
[MyCoRe](#)	
[NICHD Data and Specimen Hub (DASH)](#)	
[NYU Data Catalog](#)	
[Open Journal Systems (OJS)](#)	
[Open Science Framework (OSF)](#)	

Name	Comments
MyCoRe	
NICHD Data and Specimen Hub (DASH)	in German
NYU Data Catalog	
Open Journal Systems (OJS)	for the management of peer-reviewed academic journals
Open Science Framework (OSF)	Primarily used in Germany

Name	Examples
MyCoRe	
NICHD Data and Specimen Hub (DASH)	
NYU Data Catalog	
Open Journal Systems (OJS)	
Open Science Framework (OSF)	

	Additional Information	
Name	**GitHub**	**Documentation**
MyCoRe		
NICHD Data and Specimen Hub (DASH)		http://mycore.de/documentation/getting_started/mir.html (In German)
NYU Data Catalog	https://github.com/nyuhsl/data-catalog	https://osf.io/vg7rn/
Open Journal Systems (OJS)	https://github.com/pkp/ojs	
Open Science Framework (OSF)	https://github.com/OPUS4/application	

Name	Advantages	Disadvantages
MyCoRe		
NICHD Data and Specimen Hub (DASH)		
NYU Data Catalog		
Open Journal Systems (OJS)		
Open Science Framework (OSF)		

Name	Reference
MyCoRe	
NICHD Data and Specimen Hub (DASH)	
NYU Data Catalog	Data Model: https://mfr.osf.io/render?url=https://osf.io/rqzwj/?action=download%26mode=render
Open Journal Systems (OJS)	
Open Science Framework (OSF)	

Name	Latest release (date & noteworthy mentions)	Reviewed
MyCoRe		8/28/2019 (MBC)
NICHD Data and Specimen Hub (DASH)		
NYU Data Catalog		MC (5/5/2019)
Open Journal Systems (OJS)		
Open Science Framework (OSF)		

Name	Other	Contact
MyCoRe		
NICHD Data and Specimen Hub (DASH)		Dr. Wiebke Oeltjen, Project management University of Hamburg, Computer center wiebke.oeltjen (at) rrz.uni-hamburg.de For a list of all developers and what they're working on/contact info: http://www.mycore.org/support/team.html
NYU Data Catalog	Borrowed from the National Snow and Ice Data Center (https://nsidc.org/)	Ian Lamb, Sr. Developer I Solutions Development 212-263-6693 ian.lamb@nyulangone.org
Open Journal Systems (OJS)		Alec Smecher, lead developer asmecher@pkp.sfu.ca Twitter: @asmecher_pkp
Open Science Framework (OSF)		Jens Schwidder, Development and technical consulting schwidder@zib.de

Name	Type	Content Type Details	Subject	Deployment	Data Storage Location
OpenEquella	IR (institutional repository)	various	Multidisciplinary	SAAS (software as a service)	remote (cloud)
Opus	IR (institutional repository)	various	Multidisciplinary	SAAS (software as a service)	remote
PubPub	collaborative community publishing platform	open access publications	Multidisciplinary		remote: IPFS clusters on AWS
Samvera	IR (institutional repository)		Multidisciplinary	local	local
TIND	IR (institutional repository)		Multidisciplinary	SAAS (software as a service)	remote
VITAL			Multidisciplinary		
VIVO			Multidisciplinary	local	local or remote

Name	Pricing	Submission Fee	Size Limit	Open Source	Flexible repository structure	Support for HTML 5
OpenEquella				yes		
Opus	free	none	5 GB per file (larger files can be stored as add-ons from other providers)	yes		
PubPub	Community account free. Professional and full service pricing models coming soon.			yes		
Samvera	free			yes		
TIND	yearly contract			no		
VITAL				no		
VIVO				yes		

	Architecture			
Name	**Internationaliza tion Support**	**Embargo**	**Content Versioning**	**Persistent Identifier System**
OpenEquella	Offers "multi-language support" for broader web app and customization of CSS.		Yes. Also offers mgmt of version lifecycle	
Opus				DOI
PubPub			Yes. The permissions of saved versions can be changed in the Pub's sharing settings.	
Samvera				
TIND				
VITAL				
VIVO				

Name	Pre-reserving DOI	Author identifier system (ORCiD)?
OpenEquella		
Opus		
PubPub		
Samvera		
TIND		
VITAL		
VIVO		

Name	Authentication	Metadata Standard
OpenEquella	OAuth	Open Equella provides a LOM-compliant schema, called Generic schema.
Opus		none, keyword?
PubPub		They support only tagging right now but users cand eposit collection-level metadata to Crossref by clicking the "Get DOI" button in the metadata pane.
Samvera		Dublin Core
TIND		DataCite [default]
VITAL		?
VIVO		VIVO-ISF

Name	Metadata				
	Importing Schemas	**Exporting Schemas**	**Record Export Example**	**Schema Flexibility**	**Validation**
OpenEquella	The Schema Editor enables the conversion of metadata between schemas to enable import and export of metadata and items between repositories.				
Opus					
PubPub		Exporting is "work in progress". docx, .epub, .html, .md, .odt, .txt, .			
Samvera					
TIND	Batch uploads of MARC21, CSV and XML Batch editor				
VITAL					
VIVO					

Name	Versioning	ResourceSync API	Sitemaps	Signposting	Activity Streams 2.0
OpenEquella					
Opus					
PubPub					
Samvera		yes	yes	no	no
TIND				no	no
VITAL				no	no
VIVO				no	no

Name	International Image Interoperability Framework (IIIF)	Creative Commons License	Web Annotation Model and Web Annotation Protocol	Linked Data Notifications	Social Network Identities
			Next-gen Repository Features		
OpenEquella					
Opus					
PubPub		Yes			
Samvera					
TIND					
VITAL					
VIVO					

Name	WebID	HTTP Signatures	OpenID Connect 1.0	WebID/TLS	COUNTER?	Standardized Usage Statistics Harvesting Initiative (SUSHI)
OpenEquella						
Opus						
PubPub						
Samvera	yes	yes			no	no
TIND					no	no
VITAL					no	no
VIVO					no	no

Name	Etag	OpenAIRE API	Record License Specification	Web Mention
OpenEquella				
Opus				
PubPub				
Samvera	via Fedora			
TIND	yes			
VITAL	yes			
VIVO	yes			

Name	Dissemination	
	Web Sub	**OAI-PMH API**
OpenEquella		No API but openEquella can consume OAI_DC compliant resources from third party sites and they can also configure openEquella to be an OAI_DC endpoint
Opus		
PubPub		
Samvera		
TIND		
VITAL		
VIVO		

Name	SWORD API	Other APIs	Interplanetary File System (IPFS)	Optimized for Search Engine Optimization (SEO)?
OpenEquella		Scripting API		Rudimentary: Discoverability document provides information on how to configure openEQUELLA instance in order to optimize its discoverability through common search engines.. The
Opus				
PubPub			Yes	
Samvera				
TIND				
VITAL				
VIVO				

Name	Indexed in Google Scholar	Preservation
		Portico, LOCKSS, CLOCKSS-compliant
OpenEquella	Provides Google list of guidelines that must be met in order for articles to be included in the Google Scholar search results. The platform can adhere to these guidelines so that documents can be	
Opus		
PubPub		Use Portico to maintain archives. Using Underlay (MIT) in experimental way. Plan to fully launch Underlay in 2020. https: //borndigital.pubpub. org/pub/grant/content/06eea5bd-7826-4aa5-
Samvera		
TIND		
VITAL		
VIVO		

Name	Coding Language(s) / Platforms	Developer
	Coding	
OpenEquella	Java. The Admin Console is a lightweight Java Web Start application that is fully browser compliant. Open EQUELLA has a set of REST APIs to enable customized control of Open EQUELLA facets such as Collections, Files, Browse Hierarchies, Items, Search, Taxonomies, and User Management.	
Opus		
PubPub	ReactJS, Node.JS, JavaScript (ES6). Express, Mongo, PostGres. Citation.js used to parse/format citations. Deploy in the cloud, use containers.	
Samvera	Ruby on Rails	
TIND		
VITAL		Innovative Interfaces
VIVO		Duraspace

Name	Grant Tracking
OpenEquella	No
Opus	
PubPub	
Samvera	
TIND	
VITAL	
VIVO	

Name	Comments
OpenEquella	Repository Development Alliance (RDA) enabling client members to nominate, vote on and ultimately direct feature enhancements to EQUELLA created by the product development team.
Opus	
PubPub	Created by MIT. Focus on UX. Open source project. Has 10 contributors listedin Github. Supported by Reid Hoffman and Protocol Labs
Samvera	based on Fedora, Samvera previously called 'Hydra'
TIND	based on Invenio v1
VITAL	
VIVO	

Name	Examples
OpenEquella	
Opus	
PubPub	
Samvera	ARCH (https://arch.library.northwestern.edu/)
TIND	
VITAL	
VIVO	

Name	Additional Information	
	GitHub	Documentation
OpenEquella	https://github.com/equella and equella.github.io	https://equella.github.io/
Opus		
PubPub	https://github.com/pubpub	User documentation https://help.pubpub.org/guides
Samvera		
TIND	https://github.com/tind	
VITAL		
VIVO		

Name	Advantages	Disadvantages
OpenEquella		Fairly light in features.
Opus		
PubPub	Very good user interface.	
Samvera		requires developers for set up and maintenance
TIND		
VITAL		
VIVO		

Name	Reference
OpenEquella	
Opus	
PubPub	
Samvera	
TIND	
VITAL	
VIVO	

Name	Latest release (date & noteworthy mentions)	Reviewed
OpenEquella	12/20/2018 Key adds: Views counts for summary pages and attachments Streamlined process for attaching EQUELLA resources during contribution	LOK (In progress 3/12/19) LOK 4/3/19)
Opus		8/28/2019 (MBC)
PubPub		started 4/2/19 (LOK) updated 5/1/19 (LOK)
Samvera		
TIND		
VITAL		
VIVO		

Name	Other	Contact
OpenEquella	Milestones in Github are pretty basic and while i need to do more digging, I don't think this platform is terribly aspirational.	Chris Beach, Software Developer (has most commits to the project on Github) cbeach@unicon.net https://github.com/cbeach47
Opus		List of contributors to OSF. Dawn Pattison has the most commits on Github. Sara Bownman has lots of commits, too. No one listed
PubPub	Pubs can be assigned a DOI via CrossRef. Attribution - controls who is publicly credited for creating the pub. This is different than many other collaborative text editors, where attribution is automatically given when users are given access to the document.	Gabe Stein, Head of Product,. gabe@ghscommunications.com
Samvera		For Hyrax: Steve Van Tuyl (Hyrax Product Owner) - steve. vantuyl@oregonstate.edu
TIND		Alexander Nietzold, CEO alexander@tind.io Audun Bjørkøy, CTO audun@tind.io Kathy McCarthy, VP, Partner
VITAL		
VIVO		Marijane White, OHSU whimar@ohsu.edu

Name	Type	Content Type Details	Subject	Deployment	Data Storage Location
Zenodo	IR (institutional repository)	various	Multidisciplinary	SAAS (software as a service)	remote

Name	Pricing	Submission Fee	Size Limit	Open Source	Flexible repository structure	Support for HTML 5
Zenodo	monthly fee	none	50 GB per dataset (larger files allowed on a case-by-case basis)	no	Community policies	

	Architecture			
Name	**Internationalization Support**	**Embargo**	**Content Versioning**	**Persistent Identifier System**
Zenodo	no	yes	no	DOI

Name	Pre-reserving DOI	Author identifier system (ORCiD)?
Zenodo	yes	

Name	Authentication	Metadata Standard
Zenodo		DataCite

	Metadata				
Name	**Importing Schemas**	**Exporting Schemas**	**Record Export Example**	**Schema Flexibility**	**Validation**
Zenodo		BibTeX, CSL, DataCite, DC, JSON, JSON-LD, MARCXML, Mendeley	https://zenodo.org/record/1312652/export/schemaorg_jsonld#.XEn8MM9KgII	Fixed	yes

Name	Versioning	ResourceSync API	Sitemaps	Signposting	Activity Streams 2.0
Zenodo	yes		yes	no	no

	Next-gen Repository Features				
Name	**International Image Interoperability Framework (IIIF)**	**Creative Commons License**	**Web Annotation Model and Web Annotation Protocol**	**Linked Data Notifications**	**Social Network Identities**
Zenodo	yes	yes	no	no	yes

Name	WebID	HTTP Signatures	OpenID Connect 1.0	WebID/TLS	COUNTER?	Standardized Usage Statistics Harvesting Initiative (SUSHI)
Zenodo	no	yes			no	no

Name	Etag	OpenAIRE API	Record License Specification	Web Mention
Zenodo	yes		yes	no

Name	Dissemination	
	Web Sub	OAI-PMH API
Zenodo	no	yes

Name	SWORD API	Other APIs	Interplanetary File System (IPFS)	Optimized for Search Engine Optimization (SEO)?
Zenodo		yes	no	

Name	Indexed in Google Scholar	Preservation Portico, LOCKSS, CLOCKSS-compliant
Zenodo		[CERN's EOS Service](#)

Name	Coding	
	Coding Language(s) / Platforms	**Developer**
Zenodo	Python, Javascript	CERN

Name	Grant Tracking
Zenodo	

Name	Comments
Zenodo	based on Invenio v3

Name	Examples
Zenodo	

	Additional Information	
Name	**GitHub**	**Documentation**
Zenodo		

Name	Advantages	Disadvantages
Zenodo	Provides collaboration tools and allow members to manage group members and po Can export data in Dublin Core and MARC-XML formats	

Name	Reference

...olicies.

Zenodo

Name	Latest release (date & noteworthy mentions)	Reviewed
Zenodo		8/28/2019 (MBC)

Name	Other	Contact
Zenodo		