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1. Dryad Citation Module, Version 2.0

Namespace: Name/label	Obligation R=Required O=Optional	Metadata generation method	Cardinality R=Repeatable NR=Non-rep.
1. dc:type/Type	R	Automatic	NR
2. dc:creator/Author	R	Automatic	R
3. dcterms:issued/Date of Publication	R	Automatic	NR
4. journalpublishing3:Article-title	R	Automatic	R
5. journalpublishing3:Journal-title	R	Automatic	NR
6. prism:Volume	R	Automatic	NR
7. prism:issueIdentifier	R	Automatic	NR
8. prism:startingPage	R	Automatic	NR
9. prism:endingPage	R	Automatic	NR
10. dc:publisher/Publisher	R	Automatic	NR
11. dcterms:identifier/DOI for Published Article	R	Automatic	NR
12. dcterms:hasPartOf/Dataset Identifier	R	Automatic	NR
13. dcterms:isPartOfSeries/ISSN of Journal (*if journal does not have ISSN, journal title is put here)	R	Automatic	NR
14. dcterms:abstract/Abstract	O	Automatic	NR
15. dc:subject/Keyword	R	Automatic	R
16. Darwin Core:Scientific Name/Taxonomic Name	O	Semi-automatic	NR
17. dcterms:spatial/Locality	O	Semi-automatic	NR
18. dc:rights/Rights Statement	R	Automatic	NR

2. Dryad Data File Module, Version 2.0

Namespace: Name/label	Obligation R=Required O=Optional	Metadata generation method	Cardinality R=Repeatable NR=Non-rep.
1. HEADER: dryad:status/Status	R	Manual	NR
2. dc:type/Type	R	Automatic	NR
3. dc:creator/Author	R	Semi-automatic	R
4. dc:contributor/Contributing Author	O	Semi-automatic	R
5. dc:title/Dataset Title	O	Manual	NR
6. dc:identifier/Dataset Handle	R	Automatic	NR
7. dcterms:isPartOf/DOI handle/of Published Article	R	Automatic	NR
8. DDI:depositr/Depositor	R	Semi-automatic	NR
9. DDI:contact/ Primary Contact – “Primary Contact” (instead of corresponding author)	R	Semi-automatic	R
10. dc:rights/Rights Statement	R	Automatic	NR
11. dc:description/Description	O	Manual	NR
12. dc:subject/Keywords	R	Automatic	R
13. Darwin Core:Scientific Name/Taxonomic Name	O	Semi-automatic	R
14. dcterms:spatial/Locality	O	Semi-automatic	R
15. dcterms:temporal/Date Range	O	Semi-automatic	R
16. dcterms:issued/Date of Issue	R	Automatic	NR
17. dcterms:available/Embargo Date	O	Semi-automatic	NR
18. dcterms:modified/Date Modified	R	Automatic	NR
19. dcterms:format/File Format	R	Automatic	NR
20. dcterms:extent/File Size	R	Automatic	NR
21. PREMIS:fixity/(hidden)	R	Automatic	R

3. Dryad Data Object Module, Version 2.0: Property Names and Definitions

Property Name	Definition	Vocabularies [* = vocabulary key]
1. HEADER: dryad:status/ Status	Status of the metadata record [hidden from public view]	A code list is being developed.
2. Type	The nature or genre of the resource.	DSpace controlled vocabulary.
3. Creator/ Author	The author lead author, author chiefly responsible for the content.	LCNAF* if name is established.
4. Contributing Author	The entity or entities contributing to the creation and development of the data set.	LCNAF if name is established.
5. Dataset Title	Descriptive title of the dataset.	
6. Dataset Handle	Unique identifier of the dataset.	
7. Handle of Published Article	Handle of the published article with which dataset is associated.	
8. Depositor	The name of the person(s) and/or institution(s) who deposited the study with the archive.	A name authority will be developed as depositors register.
9. Primary Contact	This field indicates who to contact with queries about the data.	A name authority file will be developed as primary contacts register.
10. Rights Statement	Statement regarding rights held over the resource.	
11. Description	Human-readable description of the dataset; an abstract or summary.	
12. Keywords	Dataset keywords.	NBII*, MeSH*, LCSH*, and other HIVE* and related vocabularies.
13. Darwin Core: Scientific Name/ Taxonomic Name	The full name of the lowest level taxon to which the organism has been identified in the most recent accepted determination, specified as precisely as possible.	ITIS*, uBio*, etc.
14. Locality	The spatial description of the data set specified by a geographic description and geographic coordinates.	TGN*, etc.
15. Date Range	The temporal description of the data set including start date and end date of the collection/creation of the data set.	
16. Date of Issue	Date of formal issuance (e.g., publication) of the resource.	
17. Embargo Date	A date after which the dataset will be made public.	
18. Date Modified	Date on which the resource was changed.	
19. File Format	The format in which the data set is stored. Can also represent software format.	Handled by DSpace.
20. File Size	The size of the file storage.	
21. Fixity	[An algorithm will detect if a file has changed; property is hidden from public view.]	

4. Dryad Data Object Module, Version 2.0: Standard Vocabularies

Abbreviation	Full title and Web access address
▪ ITIS	Integrated Taxonomic Information System: http://www.itis.gov/ .
▪ HIVE	Helping Integrated Vocabulary Engineering is an IMLS supported project that is developing a SKOS (Simple Knowledge Organization System) vocabulary server supporting Dryad metadata generation and user searching. (The HIVE project model is applicable beyond Dryad.) The HIVE development wiki is: https://www.nescent.org/sites/hive/Main_Page ; information on SKOS can be found: http://www.w3.org/2004/02/skos/ .
▪ LCNAF	LC Name Authorities File, accessible as part of LC Authorities: http://authorities.loc.gov/ .
▪ LCSH	Library of Congress Subject headings, accessible as part LC Authorities: http://authorities.loc.gov/ .
▪ MeSH	Medical Subject Headings: http://www.nlm.nih.gov/mesh/MBrowser.html .
▪ NBII	National Biological Information Infrastructure Biocomplexity Thesaurus: http://thesaurus.nbii.gov/portal/server.pt .
▪ TGN	Getty Thesaurus of Geographic Names: http://www.getty.edu/research/conducting_research/vocabularies/tgn/ .
▪ UBio	Universal Biological Indexer and Organizer. http://www.ubio.org/ .

[Note, this table only includes a few selected vocabularies; Dryad anticipates using multiple vocabularies and ontologies.]