

Supplement for

“From bench to brain: A metadata-driven approach to research data management in a collaborative neuroscientific research center”

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Table A. Overview of displayed fields of the MetaDataApp, where they can be found in the interface, completion aid offered, generated field names by the app in JSON, and to which Dublin Core terms (Dublin Core Metadata Initiative, date issued: 2012-06-14, <https://www.DublinCore.org/specifications/dublin-core/dcmi-terms/2012-06-14/>) and DataCite properties (v 4.2. DataCite Metadata Working Group 2019, <http://doi.org/10.5438/rv0g-av03>) they are mapped. Note: n/a = not applicable

ID	Field name displayed in MetaDataApp	Window in MetaDataApp	Completion aid offered	Field name(s) generated in JSON	Mapped to Dublin Core term, Dublin Core URI	Mapped to DataCite property, DataCite ID
1	Group ID	Main	Selection list	Group ID	n/a	n/a
2	Experiment Title	Main	n/a	Experiment title, Dublin Core-Title, DataCite-Title	title http://purl.org/dc/terms/title	Title, 3
3	Creator	Main	n/a	Creator, Dublin Core-Creator, DataCite-creatorName, DataCite-creatorGivenName, DataCite-creatorFamilyName	creator http://purl.org/dc/terms/creator	creatorName, 2.1 givenName, 2.2 familyName, 2.3
3.a	n/a	n/a	Automatic entry: "Personal"	DataCite-creatorNameType	n/a	nameType, 2.1.a
3.b	Creator Name Identifier	DataCite	n/a	DataCite-creatorNameIdentifier	n/a	nameIdentifier, 2.4
3.c	Creator Name Identifier Scheme	DataCite	n/a	DataCite-creatorNameIdentifierScheme	n/a	nameIdentifierScheme, 2.4.a
3.d	Creator Scheme URI	DataCite	n/a	DataCite-creatorSchemeURI	n/a	schemeURI, 2.4.b
3.e	Creator Affiliation	DataCite	n/a	DataCite-creatorAffiliation	n/a	affiliation, 2.5
4	Contributor	Main	n/a	Contributor, Dublin Core-Contributor, DataCite-contributorName, DataCite-contributorGivenName, DataCite-contributorFamilyName	contributor http://purl.org/dc/terms/contributor	contributorName, 7.1 givenName, 7.2 familyName, 7.3

ID	Field name displayed in MetaDataApp	Window in MetaDataApp	Completion aid offered	Field name(s) generated in JSON	Mapped to Dublin Core term, Dublin Core URI	Mapped to DataCite property, DataCite ID
4.a	n/a	n/a	Automatic entry: "Personal"	DataCite-contributorNameType	n/a	nameType, 7.1.a
4.b	ContributorType	DataCite	Selection list	DataCite-contributorType	n/a	contributorType, 7.a
4.c	Contributor Name Identifier	DataCite	n/a	DataCite-contributorNameIdentifier	n/a	nameIdentifier, 7.4
4.d	Contributor Name Identifier Scheme	DataCite	n/a	DataCite-contributorNameIdentifierScheme	n/a	nameIdentifierScheme, 7.4.a
4.e	Contributor Scheme URI	DataCite	n/a	DataCite-contributorSchemeURI	n/a	schemeURI, 7.4.b
4.f	ContributorAffiliation	DataCite	n/a	DataCite-contributorAffiliation	n/a	affiliation, 7.5
5	Record Date	Main	Date picker element	Record date, Dublin Core-Date, DataCite-Date	date http://purl.org/dc/terms/date	Date, 8
5.a	n/a	n/a	Automatic entry: "Created"	DataCite-dateType	n/a	dateType, 8.a
6	Resource Type	Main	Selection list	Resource Type	n/a	n/a
7	Modality	Main	Selection list	Modality, DataCite-ResourceType	n/a	ResourceType, 10
7.a	n/a	n/a	Automatic entry: "Collection"	Dublin Core-Type, DataCite-resourceTypeGeneral	type http://purl.org/dc/terms/type	resourceTypeGeneral, 10.a
8	Shared With	Main	Selection list	Shared with	n/a	n/a
9	Experiment Description	Main	n/a	Experiment Description, DataCite-Description, Dublin Core-Description	description http://purl.org/dc/terms/description	Description, 17
9.a	n/a	n/a	Automatic entry: "Abstract"	DataCite-descriptionType	n/a	descriptionType, 17.a

ID	Field name displayed in MetaDataApp	Window in MetaDataApp	Completion aid offered	Field name(s) generated in JSON	Mapped to Dublin Core term, Dublin Core URI	Mapped to DataCite property, DataCite ID
10	Subject ID	Main	n/a	Subject ID	n/a	n/a
11	Subject Species	Main	Selection list	Subject Species	n/a	n/a
12	Subject Type	Main	Selection list	Subject type	n/a	n/a
13	Subject Sex	Main	Selection list	Subject sex	n/a	n/a
14	Subject Age	Main	Selectable unit: months, years	Subject age	n/a	n/a
15	Animal, Ethics approval No.	Main	n/a	Animal, Ethics approval No.	n/a	n/a
16	Extra Information	Main	n/a	Extra information	n/a	n/a
a	Coverage	Dublin Core	Selection list	Dublin Core-Coverage, DataCite-GeoLocationPlace	coverage http://purl.org/dc/terms/coverage	GeoLocation, 18
b	Format	Dublin Core	n/a	Dublin Core-Format, DataCite-Format	format http://purl.org/dc/terms/format	Format, 14
c	Language	Dublin Core	Selection list	Dublin Core-Language, DataCite-Language	language http://purl.org/dc/terms/language	Language, 9
d	Publisher	Dublin Core	n/a	Dublin Core-Publisher, DataCite-Publisher	publisher http://purl.org/dc/terms/publisher	Publisher, 4
e	Relation	Dublin Core	n/a	Dublin Core-Relation, DataCite-RelatedIdentifier	relation http://purl.org/dc/terms/relation	relatedItemIdentifier, 20.1
e.1	Related Identifier Type	DataCite	Selection list	DataCite-relatedIdentifierType	n/a	relatedItemIdentifierType, 20.1.a
e.2	Relation Type	DataCite	Selection list	DataCite-relationType	n/a	RelationType, 20.b
f	Rights	Dublin Core	Selection list	Dublin Core-Rights, DataCite-Rights	rights http://purl.org/dc/terms/rights	Rights, 16

ID	Field name displayed in MetaDataApp	Window in MetaDataApp	Completion aid offered	Field name(s) generated in JSON	Mapped to Dublin Core term, Dublin Core URI	Mapped to DataCite property, DataCite ID
f.1	Rights URI	DataCite	Automatically entered based on Rights	DataCite-rightsURI	n/a	rightsURI, 16.a
g	Keywords	Dublin Core	n/a	Dublin Core-Subject, DataCite-Subject	subject http://purl.org/dc/terms/subject	Subject, 6
g.1	Keyword Scheme	DataCite	n/a	DataCite-subjectScheme	n/a	subjectScheme, 6.a
g.2	Scheme URI	DataCite	n/a	DataCite-subjectSchemeURI	n/a	SchemeURI, 6.b
h	n/a	n/a	Automatic entry: "DFG"	DataCite-FundingReference	n/a	FundingReference, 19
h.1	n/a	n/a	Automatic entry: "Deutsche Forschungsgemeinschaft"	DataCite-funderName	n/a	funderName, 19.1
h.2	n/a	n/a	Automatic entry: " http://dx.doi.org/10.13039/501100001659 "	DataCite-funderIdentifier	n/a	funderIdentifier, 19.2
h.3	n/a	n/a	Automatic entry: "Crossref Funder ID"	DataCite-funderIdentifierType	n/a	funderIdentifierType, 19.2.a
i	n/a	n/a	Automatic entry: current MetaDataApp version	Software version	n/a	n/a
j	n/a	n/a	Automatic entry: v 4.4	DataCite-Version	n/a	n/a
k	n/a	n/a	n/a	DataCite-Size	n/a	Size, 13

ID	Field name displayed in MetaDataApp	Window in MetaDataApp	Completion aid offered	Field name(s) generated in JSON	Mapped to Dublin Core term, Dublin Core URI	Mapped to DataCite property, DataCite ID
l	n/a	n/a	n/a	Dublin Core-Source	source http://purl.org/dc/terms/source	n/a
m	n/a	n/a	n/a	Dublin Core-Identifier, DataCite-Identifier	identifier http://purl.org/dc/terms/identifier	Identifier, 1
m.1	n/a	n/a	n/a	DataCite-identifierType	n/a	identifierType, 1.a
n	n/a	n/a	n/a	DataCite-alternateIdentifier	n/a	alternateIdentifier, 11
n.1	n/a	n/a	n/a	DataCite-alternateIdentifierType	n/a	alternateIdentifierType, 11a
o	n/a	n/a	n/a	DataCite-PublicationYear	n/a	PublicationYear, 5