

CEBRA 21E Metadata Application Profile v0.3

Document status

Version	Date issued	Comment and change log
0.1	15 December 2022	First public issue
0.2	18 January 2023	Migrated document from https://gitlab.unimelb.edu.au/ to https://melbourne.figshare.com . Minted DOI: 10.26188/21902058 Removed Comment from dcterms:creator Removed dcterms:type element from Project class Removed Comment from dcterms.identifier in Project class Added foaf:homepage to Project class Added Catalog class Updated Range includes for dcterms:subject Updated Comment for modsrdf:genre
0.3	10 August 2023	Updated Comment for modsrdf:genre Added dcterms:isPartOf Added foaf:logo Removed modsrdf:genre Added madsrdf:GenreForm Added rifcs:fundingAmount to Project class Updated Project class to Research protocol Updated rif-cs namespace Updated property for URL to swc:url Removed comment from dcterms:type Remmoved foaf:homepage from Research protocol

Introduction

This metadata application profile (MAP) outlines the metadata approach taken in the project *A Biosecurity Risk Research Portal to Inform Decision-Making*¹. The project collects research report and research project metadata and makes these available through an open access database. The project enriches and extends source metadata with properties and vocabularies designed to support discovery and analysis of biosecurity concepts.

Ontology

Class matrix

Name	RDF class	Comment
Resource		
Project		
Catalog or index		

Namespaces

@prefix aglsterms: <<https://agls.gov.au/agls/terms/>> .
@ prefix cebra: <<https://www.ontology.cebra.unimelb.edu.au>>
@ prefix dcat: <<http://www.w3.org/ns/dcat#>>
@prefix dcterms: <<https://purl.org/dc/terms/>> .
@prefix foaf: <<http://xmlns.com/foaf/0.1/>> .
@prefix geo: <https://www.w3.org/2003/01/geo/wgs84_pos#> .
@prefix idenfiers: <<https://id.loc.gov/vocabulary/idenfiers>> .
@prefix madsrdf: <<http://www.loc.gov/mads/rdf/v1/>> .
@prefix modsrdf: <<https://www.loc.gov/standards/mods/modsrdf/v1/>> .
@prefix owl: <<https://www.w3.org/2002/07/owl#>> .
@prefix rdf: <<https://www.w3.org/1999/02/22-rdf-syntax-ns#>> .
@prefix researchgraph: <<https://researchgraph.org/schema/v2.0/xml/nodes>> .
@prefix rifcs: <<http://purl.org/au-research/vocabulary/RIFCS>> .
@prefix schema: <<https://schema.org/>> .
@prefix scholix: <<http://www.scholix.org/>> .
@prefix skos: <<http://www.w3.org/2004/02/skos/core#>> .
@prefix swc: <<http://schema.semantic-web.at/>> .
@prefix xsd: <<http://www.w3.org/2001/XMLSchema#>> .

¹ <https://doi.org/10.26188/21498714.v3>

Class tables

Resource

Name	Property	Expected type	Range Includes	Comment
Genre Form	madsrdf:GenreForm	xs:string	Resource Types https://vocabularies.coar-repositories.org/resource_types/	<p>A subset of types are used from COAR Resource Type' vocabulary.</p> <ul style="list-style-type: none"> • Specific report types, such as 'research report', 'policy report' or similar should not be used – instead the broader type 'Report' should be used. http://purl.org/coar/resource_type/c_93fc • 'Conference presentation' may be used to describe resources published "for projection and viewing by an audience at a conference, symposium, seminar, lecture, workshop or other gatherings²"; http://purl.org/coar/resource_type/R60J-J5BD • 'Thesis', also known as dissertation, may be used; http://purl.org/coar/resource_type/c_46ec • 'Sound' may be used to describe recorded speech such as a podcast or presentation; https://vocabularies.coar-repositories.org/resource_types/c_18cc/
Issued	dcterms:issued	xs:date	W3C-DTF	

² https://vocabularies.coar-repositories.org/resource_types/R60J-J5BD/

Creator	dcterms:creator	xs:string		
Title	dcterms:title	xs:string		
Locally defined identifier	Identifiers:local	xs:anyURI		
DOI	identifiers:doi	xs:anyURI		
URL	swc:url	xs:anyURI		
Availability	aglstterms:availability	xs:string		Recommended where Access Rights is Metadata only.
Abstract	dcterms:abstract	xs:string		
Subject	dcterms:subject		Biosecurity Subject Thesaurus https://vocabs.ardc.edu.au/viewById/646 Priority Pests https://vocabs.ardc.edu.au/viewById/645	Biosecurity Subject Thesaurus was migrated from ARDC demo server in January 2023.
Modified	dcterms:modified	xs:date	W3C-DTF	
Rights	dcterms:rights	xs:string		
Type	dcterms:type	xs:string	DCMI Type Vocabulary http://purl.org/dc/terms/DCMIType	
References	dcterms:references	xs:anyURI	foaf:project	Resources may refer to a research Project from which the Resource is an output.
Access rights	dcterms:accessRights	xs:string	Access Rights https://vocabularies.coar-repositories.org/access_rights/	<ul style="list-style-type: none"> • Embargoed access • Restricted access • Metadata only access • Open access
Is part of	dcterms:isPartOf			References a collection that the resource is sourced from.
Logo	foaf:logo	xs:anyURI		References a logo associated with a collection that the resource is sourced from.

Research protocol

Name	Property	Expected type	Range includes	Comment
Genre Form	madsrdf:GenreForm	xs:string	Resource Types https://vocabularies.coar-repositories.org/resource_types/	'Research protocol' is used from COAR Resource Type vocabulary. http://purl.org/coar/resource_type/YZ1N-ZFT9
Issued	dcterms:issued	xs:date	W3C-DTF	
Principle investigator	rifcs:hasPrincipallInvestigator	xs:string		
Participant	rifcs:hasParticipant	xs:string		
Funded by	rifcs:isFundedBy	xs:string		
Funding amount	rifcs:fundingAmount	xs:decimal		
Title	dcterms:title	xs:string		
URL	swc:url	xs:anyURI		
DOI	identifiers.doi	xs:anyURI		A DOI is minted in Figshare for a 'Registration' object. An expected development is a metadata scheme for RAiD, with an agreed approach to expressing a RAiD. https://www.raid.org.au
Identifier	dcterms:identifier	xs:anyURI		
Abstract	dcterms:abstract	xs:string		
Subject	dcterms:subject		Biosecurity Subject Thesaurus https://vocabs.ardc.edu.au/viewById/646 Priority Pests https://vocabs.ardc.edu.au/viewById/645	
Modified	dcterms:modified	xs:date	W3C-DTF	
Rights	dcterms:rights	xs:string		

Is part of	dcterms:isPartOf			References a collection that the resource is sourced from.
Logo	foaf:logo	xs:anyURI		References a logo associated with a collection that the resource is sourced from.

Catalog or index

Name	Property	Expected type	Range includes	Comment
Genre form	madsrdf:GenreForm	xs:string		'Catalogue or index' is used from Registry Interchange Format - Collections and Services (RIFCS) http://purl.org/au-research/vocabulary/RIFCS/RIFCSCollectionType/catalogueOrIndex
Title	dcterms:title	xs:string		
DOI	Identifiers:identifier.doi	xs:anyURI		
URL	swc:url	xs:anyURI		
Identifier	dcterms:identifier	xs:anyURI		
Description	dcterms:description	xs:string		
Subject	dcterms:subject		Biosecurity Subject Thesaurus https://vocabs.ardc.edu.au/viewById/646	
Publisher	dcterms:publisher	xs:string		
Modified	dcterms:modified	xs:date	W3C-DTF	
Rights	dcterms:rights	xs:string		
Access rights	dcterms:accessRights	xs:string		
Is part of	dcterms:isPartOf			References a collection that the resource is sourced from.
Logo	foaf:logo	xs:anyURI		References a logo associated with a collection that the resource is sourced from.