

Canadian Lite OpenAIRE Literature Repository Guidelines

CARL Open Repositories Working Group (ORWG) OpenAIRE Task Group (2021-03-17)

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Introduction

The *Canadian Lite OpenAIRE Literature Repository Guidelines* is a selection of elements from the [OpenAIRE Guidelines for Literature Repository Managers 4.0](#) prepared by the CARL Open Repository Working Group (ORWG).

The objectives of this document are:

- To identify and recommend a set of elements from the OpenAIRE Guidelines that can be implemented in all software platforms in use for repositories in Canada.

- Provide some guidance on how to use and standardize elements contents for Canadian institutions.

Numbers correspond to the element number in the [OpenAIRE Guidelines for Literature Repository Managers 4.0](#). Moreover, as in the official OpenAIRE Guidelines:

- M means *Mandatory*: The property must always be present in the metadata. An empty value for the property is not allowed.
- MA means *Mandatory if Applicable*: When the property value can be obtained it must be present in the metadata

References

- OpenAIRE [Guidelines for Literature Repository Managers 4.0](#).
- OpenAIRE [Literature Guidelines Schemas](#)
- COAR [Controlled Vocabulary for Access Rights \(Version 1.0\)](#)
- COAR [Controlled Vocabulary for Resource Type Genres \(Version 1.1\)](#)

1. Title (M)

A name or title by which a resource is known.

Instances:	1-n
Element:	datacite:title
Canadian Lite recommendation :	<ul style="list-style-type: none"> • Limit to main title. • Other types of titles do not need to be recorded.
Example:	<code><datacite:title>Transition-metal-free a-arylation of enolizable aryl ketones and mechanistic evidence for a radical process</datacite:title></code>

2. Creator (M)

The authors of the publication in the order that they appear. May be a corporate/institutional or personal name.

Instances:	1-n
Element:	datacite:creator
Canadian Lite recommendation:	<ul style="list-style-type: none">• Only use <i>creatorName</i> subproperty without the <i>nameType</i> attribute
Example:	<pre><datacite:creators> <datacite:creator> <datacite:creatorName>Evans, R.J.</datacite:creatorName> <datacite:creatorName>Smith, Adam</datacite:creatorName> </datacite:creator> </datacite:creators></pre>

3. Contributor (MA)

The institution or person responsible for collecting, managing, distributing, or otherwise contributing to the development of the resource.

Instances:	0-n
Element:	datacite:contributor
Canadian Lite recommendation:	<ul style="list-style-type: none">• Only use Subproperty <i>contributorName</i> and Attribute <i>contributorType</i>—see list of values below***
Example:	<pre><datacite:contributors> <datacite:contributor> <datacite:contributorName contributorType="Editor">Evans, J.</datacite:contributorName></pre>

	<pre> <datacite:contributor> <datacite:contributor> <datacite:contributorName contributorType="Other">International Human Genome Sequencing Consortium</datacite:contributorName> </datacite:contributor> </datacite:contributors> </pre>
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*** Controlled list values for Attribute *contributorType* :

- ContactPerson
- DataCollector
- DataCurator
- DataManager
- Distributor
- Editor
- HostingInstitution
- Producer
- ProjectLeader
- ProjectManager
- ProjectMember
- RegistrationAgency
- RegistrationAuthority
- RelatedPerson
- Researcher
- ResearchGroup
- RightsHolder
- Sponsor
- Supervisor
- WorkPackageLeader
- Other

4. FundingReference (MA)

Canadian Lite rules:

- This element may be populated by OpenAIRE using data mining method.
- It is recommended to document at least the funder name.

7. Embargo Period Date (MA)

Dates relevant to describe an embargo period.

Instances:	2*** (see note below)
Element:	datacite:date
Canadian Lite recommendation:	<ul style="list-style-type: none">• Must be in YYYY-MM-DD format.
Example:	<pre><datacite:dates> <datacite:date dateType="Accepted">2011-12-01</datacite:date> <datacite:date dateType="Available">2012-12-01</datacite:date> </datacite:dates></pre>

*** Must be used only if Access Rights (M) (see below) is set to: *embargoed access*

- Start date must use the Attribute *dateType* value *Accepted*
- End date must use the Attribute *dateType* value *Available*

8. Language (MA)

A language of the intellectual content of the resource.

Instances:	0-n
Element:	dc:language

Canadian Lite recommendation:	<ul style="list-style-type: none"> No specific recommendation
Example:	<pre><dc:language>dut</dc:language></pre> <pre><dc:language>nl</dc:language></pre>

OpenAIRE Recommendation: take values from one of the following lists:

1. IETF BCP 47, the IANA Language Subtag Registry
2. ISO 639-x, where x can be 1,2 or 3. Best Practice: we use ISO 639-3 and by doing so we follow: <http://www.sil.org/iso639-3/>

9. Publisher (MA)

An entity responsible for making the resource available. Examples of a Publisher include a person, an organization, or a service. Typically, the name of a Publisher should be used to indicate the entity.

Instances:	0-n
Element:	dc:publisher
Canadian Lite recommendation:	<ul style="list-style-type: none"> No specific recommendation
Example:	<pre><dc:publisher>John Wiley Sons, Inc. (US)</dc:publisher></pre>

10. Publication Date (M)

A date associated with an event in the life cycle of the resource. Typically, Date will be associated with the creation or availability of the resource.

Instances:	1***
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Element:	datacite:date
Canadian Lite recommendation:	<ul style="list-style-type: none"> • Must be in YYYY-MM-DD format. • Only the year (YYYY) is mandatory.
Example:	<code><datacite:date dateType="Issued">2000-12-25</datacite:date></code>

*** Must use the Attribute *dateType* value *Issued*

11. Resource Type (M)

The type of scientific output the resource is a manifestation of. It describes the genre of the resource.

Instances:	1
Element:	oaire:resourceType
Canadian Lite recommendation:	<ul style="list-style-type: none"> • Use COAR Resource Type Vocabulary English label as resourceType property value. • See Appendix : COAR Resource Type In OpenAIRE for complete reference and examples
Example:	<p>See Appendix for a complete overview of each type and the way to encode them.</p> <pre><oaire:resourceType resourceTypeGeneral="literature" uri="http://purl.org/coar/resource_type/c_6501">journal article</oaire:resourceType></pre>

12. Description (MA)

An account of the content of the resource. Description may include but is not limited to: an abstract, table of contents, reference to a graphical representation of content or a free-text account of the content.

Instances:	0-n
Element:	dc:description
Canadian Lite recommendation:	<ul style="list-style-type: none">• Use this element for the abstract.• Use of Attribute <i>lang</i> (<i>xml:lang</i>) is optional
Example:	<code><dc:description>The α-arylation of enolizable aryl ketones can be carried out with aryl halides under transition-metal-free conditions using KOtBu in DMF. The α-aryl ketones thus obtained can be used for step- and cost-economic syntheses of fused heterocycles and Tamoxifen.</dc:description></code>

14 Resource Identifier (M)

The Identifier is a unique string that identifies a resource.

Instances:	1
Element:	datacite:identifier***
Canadian Lite recommendation:	<ul style="list-style-type: none">• This element must contain the URL of the resource in the repository• If possible use stable/permanent URL (ex: http://hdl.handle.net/20.500.11794/343 rather than https://corpus.ulaval.ca/jspui/handle/20.500.11794/343)
Example:	<code><datacite:identifier identifierType="Handle">http://hdl.handle.net/1234/5628</datacite:identifier></code>

*** Attribute *identifierType* is mandatory. Controlled list values for *identifierType* attribute:

- ARK
- DOI
- Handle
- PURL
- URL
- URN

15. Access Rights (M)

Access rights pertaining to the resource.

Instances:	1
Element:	datacite:rights
Canadian Lite recommendation:	<ul style="list-style-type: none"> ● No specific recommendation
Example:	<pre><datacite:rights rightsURI="http://purl.org/coar/access_right/c_abf2">open access</datacite:rights></pre>

Must use [COAR Access Right Vocabulary](#) :

conceptURI	label
http://purl.org/coar/access_right/c_abf2	open access
http://purl.org/coar/access_right/c_f1cf	embargoed access
http://purl.org/coar/access_right/c_16ec	restricted access

http://purl.org/coar/access_right/c_14cb	metadata only access
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OpenAIRE Recommendation:

- If the metadata describe more than one resource, e.g. fulltext and supplementary material, the access right of the main resource should be provided.

17. Subject (MA)

Subject, keyword, classification code, or key phrase describing the resource

Instances:	0-n
Element:	datacite:subject
Canadian Lite recommendation:	<ul style="list-style-type: none"> • Only use the property <i>subject</i>. • Do not use attributes.
Example:	<pre><datacite:subjects> <datacite:subject>Arylation</datacite:subject> <datacite:subject>Composés aromatiques</datacite:subject> </datacite:subjects></pre>

23. File Location (MA)

An unambiguous reference to the files, e.g. fulltext, the resource is associated with. Repeat the property for each associated file.

Instances:	0-n
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Element:	oaire:file
Canadian Lite recommendation:	<ul style="list-style-type: none"> ● This element must be provided to allow datamining. ● Attribute <i>accessRightsURI</i>*** is recommended : <ul style="list-style-type: none"> ○ If the document contains more than one file ○ If any of the files has access rights different from the one described in 15. Access Rights (M) element. ● All other attributes are optional.
Example:	<pre><oaire:file accessRightsURI="http://purl.org/coar/access_right/c_abf2">https://corpus.ulaval.ca/jspui/bitstream/20.500.11794/343/3/Alpha-arylation%20ACIE%20versionacceptee.pdf</oaire:file></pre> <pre><oaire:file accessRightsURI="http://purl.org/coar/access_right/c_16ec">https://corpus.ulaval.ca/jspui/bitstream/20.500.11794/343/2/anie_201502332_sm_miscellaneous_information.pdf</oaire:file></pre>

*** Access rights at the file level use the same Vocabulary as 15. Access Rights (M) element ([COAR Access Right Vocabulary](#)). Access right for each file can be specified in the *accessRightsURI* attribute and must use the URI in the table below:

conceptURI	label
http://purl.org/coar/access_right/c_abf2	open access
http://purl.org/coar/access_right/c_f1cf	embargoed access
http://purl.org/coar/access_right/c_16ec	restricted access
http://purl.org/coar/access_right/c_14cb	metadata only access

Appendix : COAR Resource Type In OpenAIRE

resourceTypeGeneral:

- literature
- dataset
- software
- other research product

conceptURI	label	resourceTypeGeneral	Ex.
http://purl.org/coar/resource_type/c_1162	annotation	literature	<oire:resourceType resourceTypeGeneral="annotation" uri="http://purl.org/coar/resource_type/c_1162">annotation</oire:resourceType>
http://purl.org/coar/resource_type/c_6501	journal article	literature	<oire:resourceType resourceTypeGeneral="literature" uri="http://purl.org/coar/resource_type/c_6501">journal article</oire:resourceType>
http://purl.org/coar/resource_type/c_545b	letter to the editor	literature	
http://purl.org/coar/resource_type/c_b239	editorial	literature	
http://purl.org/coar/resource_type/c_2df8fbb1	research article	literature	
http://purl.org/coar/resource_type/c_dcae04bc	review article	literature	

http://purl.org/coar/resource_type/c_beb9	data paper	dataset	
http://purl.org/coar/resource_type/c_3e5a	contribution to journal	literature	
http://purl.org/coar/resource_type/c_ba08	book review	literature	
http://purl.org/coar/resource_type/c_3248	book part	literature	
http://purl.org/coar/resource_type/c_2f33	book	literature	
http://purl.org/coar/resource_type/c_86bc	bibliography	literature	
http://purl.org/coar/resource_type/c_816b	preprint	literature	
http://purl.org/coar/resource_type/c_8042	working paper	literature	
http://purl.org/coar/resource_type/c_71bd	technical documentation	literature	
http://purl.org/coar/resource_type/c_18gh	technical report	literature	
http://purl.org/coar/resource_type/c_18ws	research report	literature	
http://purl.org/coar/resource_type/c_18hj	report to funding agency	literature	
http://purl.org/coar/resource_type/c_18op	project deliverable	other research product	

http://purl.org/coar/resource_type/c_186u	policy report	literature	
http://purl.org/coar/resource_type/c_18wq	other type of report	literature	
http://purl.org/coar/resource_type/c_18wz	memorandum	literature	
http://purl.org/coar/resource_type/c_18ww	internal report	literature	
http://purl.org/coar/resource_type/c_efa0	review	literature	
http://purl.org/coar/resource_type/c_baaf	research proposal	other research product	
http://purl.org/coar/resource_type/c_balf	report part	literature	
http://purl.org/coar/resource_type/c_93fc	report	literature	
http://purl.org/coar/resource_type/c_15cd	patent	literature	
http://purl.org/coar/resource_type/c_18co	conference poster not in proceedings	literature	
http://purl.org/coar/resource_type/c_18cp	conference paper not in proceedings	literature	
http://purl.org/coar/resource_type/c_6670	conference poster	literature	

http://purl.org/coar/resource_type/c_5794	conference paper	literature	
http://purl.org/coar/resource_type/c_c94f	conference object	literature	
http://purl.org/coar/resource_type/c_f744	conference proceedings	literature	
http://purl.org/coar/resource_type/c_7a1f	bachelor thesis	literature	
http://purl.org/coar/resource_type/c_bdcc	master thesis	literature	
http://purl.org/coar/resource_type/c_db06	doctoral thesis	literature	
http://purl.org/coar/resource_type/c_46ec	thesis	literature	
http://purl.org/coar/resource_type/c_0857	letter	literature	
http://purl.org/coar/resource_type/c_8544	lecture	literature	
http://purl.org/coar/resource_type/c_18cf	text	literature	
http://purl.org/coar/resource_type/c_18cw	musical notation	other research product	
http://purl.org/coar/resource_type/c_18cd	musical composition	other research product	
http://purl.org/coar/resource_type/c_18cc	sound	other research product	

http://purl.org/coar/resource_type/c_12ce	video	other research product	
http://purl.org/coar/resource_type/c_8a7e	moving image	other research product	
http://purl.org/coar/resource_type/c_ecc8	still image	other research product	
http://purl.org/coar/resource_type/c_c513	image	other research product	
http://purl.org/coar/resource_type/c_12cd	map	other research product	
http://purl.org/coar/resource_type/c_12cc	cartographic material	other research product	
http://purl.org/coar/resource_type/c_5ce6	software	software	
http://purl.org/coar/resource_type/c_ddb1	dataset	dataset	
http://purl.org/coar/resource_type/c_e9a0	interactive resource	other research product	
http://purl.org/coar/resource_type/c_7ad9	website	other research product	
http://purl.org/coar/resource_type/c_393c	workflow	other research product	
http://purl.org/coar/resource_type/c_1843	other	other research product	