

Swepub MODS format specification

Version 4.0

National Library of Sweden



Svepub MODS format specification



National Library of Sweden

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Mandatory elements are marked with *

Elements that are mandatory if applicable are marked with */-

1. Introduction

1.1. About the specification

This document is the formal specification of the Swepub MODS publication metadata format updated 2023 to improve the use of bibliometrics in the national publication system Swepub and is effective from February 15 2024. The major part of the updates focus on identifiers and linked URIs, researchers and organisations, subject description, publishing details, related items as well as cleaning up XML in order to improve the stability and possibilities of publication statistics of Swedish researchers and organisations.

The specification is based on Library of Congress MODS with features specifically modified for Swepub.¹ The newest features are based on Library of Congress MODS 3.8 in line of suggestions for further development at the National Library of Sweden from 2019 to 2023.

1.2. General information about record exchange and format

- Metadata records are harvested from local publication systems to the Swepub system at the National Library of Sweden using the protocol OAI-PMH²
- Metadata records harvested in Swepub MODS format 4.0 or later must be based on Library of Congress MODS version 3.8 or later
- Character coding in MODS XML files must be UTF-8
- All main elements in Swepub MODS, except for recordInfo and physicalDescription are repeatable
- Metadata elements without content are not to be included in Swepub MODS records
- If the attribute lang is used the language code must be specified using a code according to standards ISO 639-2b³
- If an element is repeated with content in different languages, the attribute lang must be used for all elements
- Elements containing strings for years, dates and identifiers must not contain any other data except one year, date or identifier code per element

1.3. Key to element specifications

Top-level Swepub MODS elements are given a heading in this documentation to avoid abundant nesting of headings due to the hierarchy of XML elements. All top level MODS elements reside in the following position in the OAI-PMH document set hierarchy:

```
<OAI-PMH>
  <ListRecords>
    <record>
      <metadata>
        <mods>
          <element>
```

¹ Library of Congress MODS – Metadata Object Description Schema. <http://www.loc.gov/standards/mods/>

² <http://www.openarchives.org/OAI/openarchivesprotocol.html>

³ http://www.loc.gov/standards/iso639-2/php/code_list.php

The metadata elements are presented according to a compressed and standardised format with a uniform set of explanations:

Element name	Name of element in the XML code. In some cases where the top element is a pure container sub-elements are included in the element description.
Purpose	The purpose of the element
Sub-elements	Commonly used sub-elements on the next level in the XML hierarchy in Swepub MODS
Attributes	Special and important attributes to specify properties of the data contents of the element, together with a list of commonly used attribute values in Swepub
Usage	The technical use of the element. States if the element is mandatory (M), mandatory if applicable (A), or optional (O)
Repeatable	States if the main element or sub-element is repeatable (Yes) or not (No)
Praxis	A short indication of suitable praxis for registration. For further discussion of recommended registration praxis, see the Swepub registration praxis guidelines ⁴ (in Swedish).
Motivation	A short motivation for the use of the element and its content
Code example	XML code example for the element, its attributes and surrounding and nested elements for context
Version/date	Swepub MODS version when the element was first introduced and modification dates
New	Comments about changes in regard to Swepub MODS version 4.0
List of values	List of values to be used in this element, if restricted by format or praxis
Discussion	Further discussion about the element and its usage

⁴ <http://www.kb.se/samverkan-och-utveckling/swepub/format-och-praxis>

1.4. Bibliographic minimal level

The elements listed below are mandatory for the bibliographic minimal level. If any of these elements are missing or false, the records are rejected and will not be stored in the Swepub database.

Element(s)	Definition	Swepub MODS 4.0
<recordInfo> <recordContentSource> ... </recordContentSource> </recordInfo>	The identifier for the organisation responsible for supplying the publication record	3. *Record information
<name> ... </name>	The name of a person (author, creator, editor), organization, or conference associated in some way with the resource	13. *Names and affiliations
<titleInfo> <title> ... </title> </titleInfo>	The title of the resource	6. *Title and subtitle
<genre authority="kb.se" type="outputType"> ... </genre>	Output type with authority kb.se of the resource	10. *Output type
<genre authority="svep" type="contentType"> ... </genre>	Content type describing the scientific level and/or target group for the resource according authority svep, excluding artistic output, other output/dataset and software, and intellectual property/patent	11. *Content type
<originInfo> <dateIssued> ... </dateIssued> </originInfo>	The date or year the resource was published unless the publication status is Submitted; Accepted; In press, Epub ahead of print/Online first or Retracted	17. *Publication date, publisher and edition
<identifier type="uri"> ... </identifier>	The local uri to identify the publication record in the originating repository	4. *Record identifiers
<language> <languageTerm> ... </languageTerm> </language>	The language(s) of the publication according to ISO 639-2b	9. *Language
<relatedItem type="host"> ... </relatedItem>	The serial or monographic work of book chapters and articles which the described work is a part	18.1. */-Journal or book as source
NOT <relatedItem type="host"> ... </relatedItem>	A book, proceeding, thesis or patent can not have a journal or book as source	18. */-Source

1.5. Relation to praxis for registration

This specification is intended to be as neutral as possible with regard to metadata registration practices, but nevertheless it sometimes has to indicate what kind of data that is expected in the elements, and therefore contains some suggestions for registration praxis. For a more detailed discussion of registration practices, see the guide to registration praxis for local databases exchanging metadata with the Swepub system – Nationella riktlinjer för beskrivning av forskningsoutput.⁵ The references to registration practices in this specification may be subject to change and are superseded by instructions in the current guide to registration praxis.

1.6. Changes in this version

Overview of major changes with regard to Swepub MODS version 3.0 in the same order as they appear in this document:

- `xmlns:xlink="http://www.w3.org/1999/xlink"` is now part of the metadata wrapper element and does not need to be repeated in the specific elements
- The attributes `valueURI` and `authority` are introduced thoroughly whenever possible
- The resource type identifiers “libris” and “worldcat” are replaced with “se-libr” and “ocolc” according to Standard identifier source codes
- The element `subject` for subject classification for Swedish research subjects according to Standard of svensk indelning av forskningsämnen is replaced with the element `classification` with the ability to mark prioritized and automatically generated classification
- The possibility to mark Sustainable Development Goals as keywords according to Sustainable Development Goals Taxonomy is introduced
- ISO639-3 is removed as an alternative standard for language codes
- Publication types according to SVEP (`genre type="publicationType"`) are removed
- Publications status “Retracted” under note `type="publicationStatus"` is introduced
- The ROR identifier for organisations is introduced as an additional organisation ID for affiliations. ROR should preferably also be used as organisation ID for funders while GRID is removed.
- The additional role term “cre” is no longer required for artistic outputs
- Research groups can be registered in the element `name type="corporation"`
- The element `affiliation` for organisations as originators is no long required
- The attribute `genre type="grantAgreement"` under `relatedItem type="host"` is removed

⁵ <http://www.kb.se/samverkan-och-utveckling/swepub/format-och-praxis>

- The identifier for research activities RAiD is introduced as additional project identifier
- The possibility to enter copyright date is introduced
- The sub-element agent should be used instead of the sub-element publisher under the element originInfo
- The possibility to enter copyright date is introduced
- The possibility to define host, for example a compilation thesis, is introduced
- The possibility to add constituent parts of a compilation thesis or an article with supplementary material published in addition to the article is introduced

1.7. Standards

Standards applied in this specification originate mainly from the Network Development and MARC Standards Office of the Library of Congress. Following international and/or local standards are used:

Date

- ISO8601: <https://www.iso.org/iso-8601-date-and-time-format.html>
- W3CDTF: <https://www.w3.org/TR/NOTE-datetime>

Genre

- Serial Publication Type: <https://id.loc.gov/vocabulary/mserialpubtype.html>
- MARC Genre Terms List: <https://id.loc.gov/vocabulary/marcgt.html>

Identifiers

- Standard Identifier Source Codes:
<http://www.loc.gov/standards/sourcelist/standard-identifier.html>

Language

- ISO639-2B: https://www.loc.gov/standards/iso639-2/php/code_list.php

Role

- MARC Code List for Relators: <http://www.loc.gov/marc/relators/> and <https://id.loc.gov/vocabulary/relators.html>

Subject

- Library of Congress Subject Headings:
<http://id.loc.gov/authorities/subjects.html>
- Standard för svensk indelning av forskningsämnen 2011:
<http://www.scb.se/dokumentation/klassifikationer-och-standarder/standard-for-svensk-indelning-av-forskningsamnen/>
- Subject Heading and Term Source Codes:
<http://www.loc.gov/standards/sourcelist/subject.html>
- Svenska ämnesord: <https://metadatabyran.kb.se/amnesord-och-genre-form/svenska-amnesord>

Type of resource

- typeOfResource:
<http://www.loc.gov/standards/mods/userguide/typeofresource.html>

1.8. Contact

Comments and questions regarding the Swepub MODS format can be sent to: libris@kb.se.

1.9. References

Metadata Object Description Schema (MODS). 2022.

<http://www.loc.gov/standards/mods/>

MODS Metadata Object Description Schema, version 3.8. 2022.

<https://www.loc.gov/standards/mods/mods-3-8-announcement.html>

Nationella riktlinjer för beskrivning av forskningsoutput. Version 1.4. 2023.

<http://www.kb.se/samverkan-och-utveckling/swepub/format-och-praxis>

OpenAIRE guidelines.

<https://guidelines.openaire.eu/en/latest/>

ORCID - Open Researcher and Contributor ID.

<http://orcid.org/>

Standard för svensk indelning av forskningsämnen 2011. Statistiska centralbyrån.

<http://www.scb.se/dokumentation/klassifikationer-och-standarder/standard-for-svensk-indelning-av-forskningsamnen/>

Strategic research area initiatives in Swepub MODS.

<https://www.kb.se/samverkan-och-utveckling/nytt-fran-kb/nyheter-samverkan-och-utveckling/2021-11-29-praxis-kring-strategiska-forskningsomraden-i-swepub-mods.html>

Swepub MODS format specifications, earlier versions. <http://www.kb.se/samverkan-och-utveckling/swepub/format-och-praxis/tidigare-versioner>

The Open Archives Initiative Protocol for Metadata Harvesting. 2015.

<http://www.openarchives.org/OAI/openarchivesprotocol.html>

2. *MODS root element

Element name	mods
Purpose	The MODS metadata wrapper
Sub-elements	All applicable MODS top-level elements and sub-elements
Attributes	xmlns, xmlns:xlink; xmlns:xsi, xsi:schemaLocation
Usage	M - Mandatory
Repeatable	Yes
Praxis	Must encapsulate each MODS XML metadata record
Motivation	Metadata wrapper with attributes specifying Library of Congress MODS metadata format and version as basis for Swepub MODS
Code example	<pre><mods xmlns="http://www.loc.gov/mods/v3" version="3.8" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.loc.gov/mods/v3 http://www.loc.gov/standards/mods/v3/mods-3-8.xsd"> ... </mods></pre>
Version/date	2.1, 4.0 / 2014-02-05, 2023-04-04 [Updated 2023-05-24]

3. *Record information

Element name	recordInfo
Purpose	Container for information about the publication metadata record
Sub-elements	recordContentSource, recordCreationDate
Attributes	-
Usage	M - Mandatory
Repeatable	No
Praxis	Must be supplied for all records delivered to Swepub
Motivation	Container for record content source

3. *Record information

Code example	<pre><recordInfo "> <recordContentSource> ... </recordContentSource> </recordInfo></pre>
Version/date	/ 2012-10-10 [Updated 2019-08-20; 2023-05-24]

3.1. *Record content source

Element name	recordContentSource
Purpose	The identifier for the organisation responsible for supplying the publication record
Sub-elements	-
Attributes	authority
Usage	M - Mandatory
Repeatable	Yes
Praxis	The organisation responsible for the record must supply a controlled identifier in this element. In case of several organisations sharing system and records the element is to be repeated for each organisation.
Motivation	Record content source are used to track records back to their source after harvesting and possible merging of duplicates
Code example	<pre><recordInfo> <recordContentSource>gu</recordContentSource> </recordInfo></pre>
Version/date	2.0 / 2012-10-10 [Checked 2023-05-24]
List of values	Supplied by the National Library of Sweden (authority="kb.se")

3.2. Record creation date

Element name	recordCreationDate
Purpose	Element to identify record creation date

3.2. Record creation date

Sub-elements	-
Attributes	-
Usage	O - Optional
Repeatable	No
Praxis	Enter full publication date according to w3cdtf (YYYY-MM-DD or YYYY-MM-DDThh:mm:ss) and no other data to ensure machine readability
Motivation	For identifying record creation date as the datestamp within the OAI header only shows the last modification date
Code example	<pre><recordInfo> <recordCreationDate>2018-10-11</recordCreationDate> </recordInfo></pre>
Version/date	3.0 / 2019-08-20 [Checked 2023-05-24]

4. *Record identifiers

Element name	identifier type uri
Purpose	Element to identify and/or link to the publication record
Sub-elements	-
Attributes	type (uri)
Usage	M – Mandatory for linking back to the originating repository
Repeatable	Yes
Praxis	Use to link to publication records in various systems
Motivation	To be used for links to publication records
Code example	<pre><identifier type="uri"> http://urn.kb.se/resolve?urn=urn:nbn:se:hh:diva-2104 </identifier> <identifier type="uri"> http://libris.kb.se/bib/pzg1f5r0mkkrg3rw </identifier></pre>

4. *Record identifiers

	<pre><identifier type="uri"> http://www.worldcat.org/oclc/26904758 </identifier></pre>
Version/date	2.0 / 2012-10-10 [Updated 2019-08-20, checked 2023-05-24]

5. */-Resource identifiers

Element name	identifier
Purpose	Element to identify the resource uniquely
Sub-elements	-
Attributes	type (doi; isbn; isi; scopus; pmid; urn; hdl; patent_number; se-libr; ocolc); invalid; displayLabel
Usage	A – Mandatory if the resource has a unique identifier
Repeatable	Yes
Praxis	<p>Elements with identifiers must not contain any other information than the identifier to be machine-readable. Prefixes as ISBN13: and suffixes as (PDF) should not be included. DOI's with https-prefix are accepted but an enhancement to https-URI will be done in Swepub.</p> <p>Only identifiers to the actual resource in question must be used here, not identifiers to host publications as DOI's and ISBN's to composite works, as for instance conference proceedings and anthologies.</p> <p>The invalid attribute is optional and is only used with the value "yes" when recording a cancelled or invalid identifier. Do not use invalid="no".</p>
Motivation	Used for deduplication of records, integration with other data sources as well as links to document full texts
Code example	<pre><identifier type="doi">10.1109/IPDPS.2006.1639502</identifier> <identifier type="isbn" displayLabel="online">9781108378420</identifier> <identifier type="isi">000399313200008</identifier> <identifier type="scopus">2-s2.0-33847132885</identifier> <identifier type="pmid">28218395</identifier> <identifier type="urn">urn:nbn:se:sh:diva-30919</identifier> <identifier type="hdl">10616/46180</identifier> <identifier type="se-libr">pzg1f5r0mkkrg3rw</identifier></pre>

5. */-Resource identifiers

	<pre><identifier type="ocolc">1031313744</identifier> <identifier type="patent_number">SE544793 C2 A1</identifier> <identifier type="isbn" invalid="yes">9789152634244</identifier></pre>
Version/date	2.2, 2.5, 3.0, 4.0 / 2014-03-07, 2014-05-13, 2019-08-20, 2023-05-24 [Updated 2023-05-24]
List of values	Controlled list of identifier types: doi; isbn; isi; scopus; pmid; urn; hdl; patent_number; se-libr; ocolc [or other format from Standard Identifier Source Codes: http://www.loc.gov/standards/sourcelist/standard-identifier.html
Discussion	<p>URI identifiers for publication records can be used as a complement to resource identifiers for linking to publication records in various systems, see "Record identifiers". Example:</p> <pre><identifier type="uri"> http://libris.kb.se/bib/pzg1f5r0mkkr3rw </identifier></pre> <p>The attribute <code>displayLabel</code> can be used for defining different ISBN's for printed and electronic editions.</p> <p>The attribute <code>invalid</code> can be used to mark resources with cancelled or invalid identifiers.</p>

6. *Title and subtitle

Element name	titleInfo
Purpose	Container element for the main title and the subtitle of the resource
Sub-elements	title; subTitle
Attributes	type (alternative); displayLabel; xml:lang
Usage	M - Mandatory
Repeatable	Yes
Praxis	Use language attributes according to ISO 639-2b where applicable

6. *Title and subtitle

Code example	<pre><titleInfo> <title> ... </title> <subTitle> ... </subTitle> </titleInfo></pre>
Version/date	2.0 / 2012-10-10 [Updated 2023-05-24]
Discussion	Alternative titles are added by repeating the titleInfo element and indicating with attribute type="alternative"

6.1. *Title

Element name	title
Purpose	The main title of the resource
Sub-elements	-
Attributes	-
Usage	M - Mandatory
Repeatable	Yes
Praxis	Use separate elements for main title and subtitle where possible. Put main title and subtitle in title element, separated by a colon (":") or a hyphen ("-") surrounded with spaces if it is not possible to use separate fields.
Motivation	Used to identify the resource, give information about its content and improve searchability
Code example	<pre><titleInfo> <title> Coffee, tea and melanoma risk : findings from the European Prospective Investigation into Cancer and Nutrition </title> </titleInfo></pre>
Version/date	2.0 / 2012-10-10 [Updated 2019-08-20, checked 2023-05-24]

6.2. */-Subtitle

Element name	subTitle
Purpose	The subtitle of the resource
Sub-elements	-
Attributes	-
Usage	A - Mandatory if applicable
Repeatable	Yes
Praxis	Use separate elements for main title and subtitle where possible
Motivation	Used to add information about the content of the resource and improve searchability
Code example	<pre><titleInfo> <title>Coffee, tea and melanoma risk</title> <subTitle>findings from the European Prospective Investigation into Cancer and Nutrition</subTitle> </titleInfo></pre>
Version/date	2.0 / 2012-10-10 [Updated 2019-08-20, checked 2023-05-24]

7. Abstract

Element name	abstract
Purpose	A summary of the content of the resource
Sub-elements	-
Attributes	lang
Usage	O – Optional
Repeatable	Yes
Praxis	Use language attributes according to ISO 639-2b where applicable
Motivation	Used to describe the resource and improve searchability as well as in text analysis for machine-generated subject classification

7. Abstract

Code example	<pre><abstract lang="eng"> ... </abstract> <abstract lang="swe"> ... </abstract></pre>
Version/date	2.5 / 2014-07-01 [Updated 2014-10-24, 2019-08-20, checked 2023-05-24]

8. Subjects and keywords

8.1. *Subject classification according to Swedish research subjects standard

Element name	classification
Purpose	Three-level hierarchical classification of Swedish research subjects according to classification supplied by Statistics Sweden (SCB) and Swedish Higher Education Authority (UKÄ)
Sub-elements	-
Attributes	authority (ssif); generator; usage (primary)
Usage	M - Mandatory
Repeatable	Yes
Praxis	<p>Classification on level 3 is preferred. At least one classification on minimum level 2 is mandatory. A maximum number of 3 subject classifications on level 2 is recommended.</p> <p>If more than one classification code is assigned, specify the most predominant code using the attribute usage.</p> <p>Classifications automatically generated should be specified as autoclassified. The value in the attribute generator should be the name of the software or model used for autoclassification.</p>
Motivation	<p>Standard of Swedish research subjects according to classification supplied by SCB/UKÄ is internationally comparable to OECD field of research and development (FORD) classification:</p> <p>http://www.oecd.org/publications/frascati-manual-2015-9789264239012-en.htm</p>
Code example	<pre><classification authority="ssif">60203</classification> <classification authority="ssif" usage="primary">60203</classification></pre>

8. Subjects and keywords

8.1. *Subject classification according to Swedish research subjects standard

	<code><classification authority="ssif" generator="autoclassified">10101"</classification></code>
Version/date	2.5. 4.0/ 2014-06-27, 2023-05-30 [Updated 2015-04-23, 2019-08-20, revised 2023-05-30]
New	<p>The element subject is replaced by the element classification as the container for subject classification of Swedish research subjects as from Swepub MODS 4.0.</p> <p>Prioritized and automatically generated classifications can be specified as from Swepub MODS 4.0.</p>
List of values	Standard för svensk indelning av forskningsämnen 2011. http://www.scb.se/dokumentation/klassifikationer-och-standarder/standard-for-svensk-indelning-av-forskningsamnen/
Discussion	<p>Even though the Standard för svensk indelning av forskningsämnen is a classification system, the top-level element subject was up until Swepub MODS 3.0 incorrectly used to contain the classification to enable display labels of each code. These labels are however redundant in the publication format. Moving the classification to the correct top-level element allows for usage of required classification specific attributes.</p> <p>Prioritised classifications may be used for statistics.</p> <p>The attribute generator indicates that the classification is automatically generated rather than manually assigned.</p>

8.2. Keywords

Element name	subject
Purpose	Keywords for improved findability and classification
Sub-elements	topic
Attributes	authority; valueURI; lang
Usage	O - Optional
Repeatable	Yes

8.2. Keywords

Praxis	Keywords or subject headings preferably from authorized subject headings list such as SAO, (Svenska ämnesord), LCSH (Library of Congress Subject Headings) or another acknowledged source: http://www.loc.gov/standards/sourcelist/subject.html
Motivation	Use to increase searchability, follow-ups and classification of publication records
Code example	<pre><subject lang="swe" authority="sao" valueURI="https://id.kb.se/term/sao/Urban%20ekonomi" <topic>Urban ekonomi</topic> </subject> <subject lang="eng" authority="lcsch" valueURI="http://id.loc.gov/authorities/subjects/sh85141310" <topic>Urban economics</topic> </subject> <subject lang="eng"> <topic>telecommunication signalling</topic> </subject> <subject lang="eng" authority="sdg" valueURI="http://metadata.un.org/sdg/13"> <topic>Take urgent action to combat climate change and its impacts"</topic> </subject></pre>
Version/date	2.0, 3.0, 4.0 / 2012-10-10, 2019-08-20, 2023-04-04 [Updated 2023-05-24]
New	The value list for Sustainable Development Goals (SDG) is new as from Swepub MODS 4.0
List of values	<p>Library of Congress Subject Headings (LCSH). http://id.loc.gov/authorities/subjects.html</p> <p>Svenska ämnesord (SAO). https://id.kb.se/find?q=*&inScheme.@id=https%3A%2F%2Fid.kb.se%2Fterm%2Fsao</p> <p>Sustainable Development Goals (SDG) Taxonomy. https://metadata.un.org/sdg/?lang=en</p>
Discussion	The value list for Sustainable Development Goals (SDG) is added to link publications to SDGs

9. *Language

Element name	language
Purpose	Container for language information elements
Sub-elements	languageTerm
Attributes	-
Usage	M – Mandatory
Repeatable	Yes
Praxis	If the content of the resource is in more than one language, the language element is repeated.
Code example	<pre><language> <languageTerm> ... </languageTerm> </language></pre>
Version/date	2.0 / 2012-10-10 [Checked 2023-05-24]

9.1. *Language term

Element name	languageTerm
Purpose	The language of the publication
Sub-elements	-
Attributes	type (code); authority (iso639-2b, kb.se)
Usage	M - Mandatory
Repeatable	Yes
Code example	<pre><language> <languageTerm type="code" authority="iso639- 2b">eng</languageTerm> </language></pre>
Version/date	2.0, 2.3, 4.0 / 2012-10-10, 2014-04-01, 2023-05-24 [Revised 2023-05-24]
New	ISO 639-3 codes are no longer permitted from Swepub MODS 4.0.

9.1. *Language term

List of values	Language code according to ISO 639-2b. For languages not part of ISO 639-2b (e.g. Sami and Romani languages), use language codes defined at the Libris linked data service: id.kb.se (authority="kb.se")
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10. *Output type

Element name	genre (type outputType)
Purpose	To describe output type according to the Swedish classification of research output
Sub-elements	-
Attributes	authority; type; valueURI
Usage	A - Mandatory
Repeatable	For artistic output published as other output types
Praxis	Use additional classification artistic-work in combination to flag other type of publications as artistic works.
Code example	<pre><genre authority="kb.se" type="outputType" valueURI="https://id.kb.se/term/swepub/output/publication/book-chapter">publication/book-chapter</genre> <genre authority="kb.se" type="outputType" valueURI="https://id.kb.se/term/swepub/output/publication/edited-book">publication/edited-book</genre> <genre authority="kb.se" type="outputType" valueURI="https://id.kb.se/term/swepub/output/artistic-work">artistic-work </genre></pre>
Version/date	2.6, 4.0 / 2015-05-13, 2023-05-24 [Updated 2023-05-24]
New	The optional attribute valueURI is new as from Swepub MODS 4.0
List of values	Swedish classification of research output. http://www.kb.se/samverkan-och-utveckling/swepub/format-och-praxis
Discussion	Using new specific output types for classification purposes is recommended as far as possible. If no logical output type exists for an output, it is possible to use the category "other" under top categories. Additional classification with outputType artistic-work creates a possibility for a number of artistic outputs

11. *Content type

Element name	genre (type contentType)
Purpose	Element used to describe the scholarly level and/or target group for the resource
Sub-elements	-
Attributes	authority ; type; valueURI
Usage	M - mandatory
Repeatable	No
Praxis	Use to indicate the scholarly level and the target group for the resource with any type of output
Motivation	Used for filtering in the Swebpub system as well as for analysis
Code example	<pre><genre authority="svep" type="contentType" valueURI="https://id.kb.se/term/swepub/svep/ref">ref </genre></pre>
Version/date	2.0, 4.0 / 2012-10-10, 2023-05-24 [Updated 2023-05-24]
New	The optional attribute valueURI is new as from Swebpub MODS 4.0
List of values	ref (refereed): https://id.kb.se/term/swepub/svep/ref vet (other scholarly/artistic): https://id.kb.se/term/swepub/svep/vet pop (popular science): https://id.kb.se/term/swepub/svep/pop

12. */-Publication status

Element name	note (type publicationStatus)
Purpose	To mark the status of records for unpublished works being harvested to the Swebpub system
Sub-elements	-
Attributes	type; authority (kb.se); xsi:type (stringPlusLanguagePlusAuthority); valueURI

12. */-Publication status

Usage	A - Mandatory for non-published works
Repeatable	No
Praxis	Use in any record for a work that has not been formally published
Motivation	Used to distinguish published works from non-published works in analyses
Code example	<pre><note type="publicationStatus">Accepted</note> <note type="publicationStatus" authority="kb.se" xsi:type="stringPlusLanguagePlusAuthority" valueURI="https://id.kb.se/term/swepub/Accepted">Accepted</note></pre>
Version/date	2.5, 4.0 / 2014-06-25, 2023-05-24 [Updated 2023-05-24]
New	The optional attribute valueURI (always used with the attributes authority and xsi-type) and publication status Retracted are new as from Swepub MODS 4.0.
List of values	<p>Submitted: https://id.kb.se/term/swepub/Submitted</p> <p>Accepted: https://id.kb.se/term/swepub/Accepted</p> <p>In press: https://id.kb.se/term/swepub/InPress</p> <p>Epub ahead of print/Online first: https://id.kb.se/term/swepub/EpubAheadOfPrintOnlineFirst</p> <p>Published: https://id.kb.se/term/swepub/Published</p> <p>Retracted: https://id.kb.se/term/swepub/Retracted</p>
Discussion	<p>In purpose of delivering publication records for researcher CV's, there is a need for the system to contain information for unpublished works. To be able to separate records for published works from records for unpublished works, the data format has to include a way to mark records for works that are not formally published.</p> <p>The use of note type publicationStatus is mandatory for all works that are not formally published. For published works the use of note type publicationStatus="Published" is optional.</p> <p>The actual status of an unpublished work is not used centrally for analysis, but is a matter of local choice. The information is only used centrally to distinguish formally published works from unpublished works.</p>

13. *Names and affiliations

Element name	name
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13. *Names and affiliations

Purpose	The name of a person, organisation, research group, or event (conference, meeting, etc.) associated in some way with the resource
Sub-elements	namePart; nameIdentifier; role; affiliation
Attributes	type (personal; corporate; conference); authority; xlink; lang
Usage	M - Mandatory for originators affiliated with the organisation responsible for entering the record
Repeatable	Yes
Praxis	At least all originators related to the organisation registering the record must be represented by a name element each
Motivation	Name is a wrapper element that contains all sub-elements related to name information
Code example	<pre><name> <namePart> ... </namePart> <nameIdentifier> ... </nameIdentifier> <role> ... </role> <affiliation> ... </affiliation> </name></pre>
Version/date	2.0, 3.0 / 2012-10-10, 2019-08-20 [Updated 2023-05-24]

13.1. */-Person name, identifier and affiliation

Element name	name (type personal)
Purpose	Name, identifiers and affiliation for a person with a relation to the resource
Sub-elements	namePart; nameIdentifier; role; affiliation
Attributes	authority
Usage	A - Mandatory for originator persons related to the organisation responsible for entering the record
Repeatable	Yes

13.1. */-Person name, identifier and affiliation

Praxis	All originator persons related to the organisation registering the record must be represented by a name element each but it is recommended to include the names of all known contributors
Motivation	Researchers and their affiliations need to be identified for researcher-based publication statistics for researchers or related organisations
Code example	<pre><name type="personal" authority="cth"> <namePart> ... </namePart> <nameIdentifier> ... </nameIdentifier> <role> ... </role> <affiliation> ... </affiliation> </name></pre>
Version/date	2.1, 3.0, 4.0 / 2014-02-21, 2019-08-20, 2023-05-30 [Updated 2023-05-30]
Discussion	The Swepub authorised organisation identifier for the organisation responsible for the identifier used in nameIdentifier must be given in the attribute authority

13.1.1. *Name part

Element name	namePart
Purpose	Parts of a personal name
Sub-elements	-
Attributes	type (date; family; given)
Usage	M - Mandatory
Repeatable	Yes
Praxis	The use of separate name parts given and family name is recommended for easier identification, especially for person name elements without supplied IDs
Motivation	The use of name parts makes extraction of publications based on researcher names more exact and makes merging of name entries easier and safer
Code example	<pre><name ... > <namePart type="family">Bengtsson</namePart></pre>

13.1.1. *Name part

	<pre><namePart type="given">Jerker</namePart> <namePart type="date">1965</namePart> </name></pre>
Version/date	2.0 / 2012-10-10 [Checked 2025-05-30]

13.1.2. */-Name identifier

Element name	nameIdentifier
Purpose	A unique standard number or code that distinctively identifies the (name of a) person associated in some way with the resource
Sub-elements	-
Attributes	type; invalid (yes)
Usage	A - Mandatory for originator persons related to the organisation responsible for entering the record if applicable
Repeatable	Yes
Praxis	<p>All originator persons related to the organisation registering the record must be identified by a name identifier each if applicable.</p> <p>Enter the ORCID as a 19 character long string in the format XXXX-XXXX-XXXX-XXXX or together with https-prefix as https://orcid.org/XXXX-XXXX-XXXX-XXXX. Enhancement with https-prefix will be done in Swepub.</p> <p>If ORCID is missing but a local name identifier is available, use the Swepub authorised organisation identifier for the organisation responsible for the identifier in nameIdentifier type. This is usually the first part of the organisation's internet domain name.</p> <p>The invalid attribute is optional and is used with the value "yes" when recording an invalid identifier. Do not use invalid="no".</p> <p>Do not include the element nameIdentifier if no identifier is known.</p>
Motivation	Researchers and their affiliations need to be identified for researcher-based publication statistics for researchers or related organisations
Code example	<pre><name ... > <nameIdentifier type="orcid">0000-0002-6848- 3956</nameIdentifier> </name> <name ... ></pre>

13.1.2. */-Name identifier

	<pre> <nameIdentifier type="orcid">https://orcid.org/0000-0002-6848-3956</nameIdentifier> </name> <name ... > <nameIdentifier type="hh">je4xe</nameIdentifier> </name> <name ... > <nameIdentifier type="liu" invalid="yes">12345</nameIdentifier> </name> </pre>
Version/date	3.0, 4.0 / 2019-08-20, 2023-05-30 [Updated 2023-05-30]
List of values	Registered ORCID IDs, see https://orcid.org/orcid-search/search
Discussion	The use of a personal ORCID identifier is highly recommended, to improve retrieval of records based on researcher identities

13.1.3. */-Affiliation

Element name	affiliation
Purpose	Contains the name of an organisation, institution, etc. with which the entity recorded in name was associated at the time that the resource was created
Sub-elements	-
Attributes	lang; authority; valueURI
Usage	A - Mandatory for persons related to the organisation responsible for entering the publication record
Repeatable	Yes
Praxis	Originators related to the organisation responsible for entering the publication record must have an affiliation element containing information about the organisation(s) that the originator was associated with at the time the resource was created. For organisations entering data the affiliation must have a valueURI with an identifier for the top level of the organisation. Organisation identifiers do not have to be used for affiliations other than the registering organisation, but are recommended.

13.1.3. */-Affiliation

Motivation	Affiliations are needed in order to make author-based analyses of organisations
Code example	<pre><affiliation lang="swe" authority="kb.se" valueURI="chalmers.se">Chalmers tekniska högskola</affiliation></pre> <pre><affiliation lang="eng" authority="kb.se" valueURI="chalmers.se">Chalmers University of Technology</affiliation></pre> <pre><affiliation lang="swe" authority="ROR" valueURI="https://ror.org/040wg7k59">Chalmers tekniska högskola</affiliation></pre> <pre><affiliation lang="eng" authority="ROR" valueURI="https://ror.org/040wg7k59">Chalmers University of Technology</affiliation></pre>
Version/date	2.1, 4.0 / 2014-02-10, 2014-05-02, 2019-08-20, 2023-05-30 [Amended 2023-05-30]
New	ROR as additional ID for affiliated organisations is new as from Swepub MODS 4.0
List of values	Registered ROR IDs, see https://ror.org/search Non-ROR IDs supplied by the National Library of Sweden (authority kb.se)
Discussion	<p>The use of ROR identifiers are highly recommended as additional ID for organisations.</p> <p>Organisations registering data are free to introduce identifiers for organisation units below the top level, but then the organisation in question must state itself as authority for the identifiers at the lower level, using the valueURI identifier from the level above as indicator of authority at the next lower level in a hierarchical mode:</p> <p>Example for an affiliation using three levels:</p> <pre><affiliation lang="swe" authority="kb.se" valueURI="lu.se">Lunds universitet</affiliation></pre> <pre><affiliation lang="swe" authority="lu.se" valueURI="000022000">Medicinska fakulteten</affiliation></pre> <pre><affiliation lang="swe" authority="000022000" valueURI="013230000">kliniska vetenskaper, Lund</affiliation></pre> <p>If locally introduced identifiers are used, it is important that the authority at a lower level corresponds to the valueURI from the level above in a hierarchical manner like this:</p> <pre>authority="kb.se" valueURI="lu.se" -> authority="lu.se" valueURI="000022000" -> authority="000022000" valueURI="013230000"</pre> <p>If locally identifiers are <u>not</u> used, use the organisation on the top level as authority and enter organisation units on the lower level as a string:</p>

13.1.3. */-Affiliation

	<pre><affiliation lang="swe" authority="kb.se" valueURI="lu.se">Lunds universitet</affiliation> <affiliation lang="swe" authority="lu.se">Medicinska fakulteten, Kliniska vetenskaper, Lund</affiliation></pre> <p>For non-Swedish organisations, organisation and country information may be extracted if the organisation is registered using the domain name as valueURI:</p> <pre><affiliation lang="eng" authority="kb.se" xsi:type="stringPlusLanguagePlusAuthority" valueURI="ethz.ch">ETH Zürich, Switzerland </affiliation></pre>
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13.1.4. Affiliation, non-organisational

Element name	affiliation
Purpose	Contains the name of a non-organisational unit or entity (centre or network) that the originator is affiliated with
Sub-elements	-
Attributes	lang; authority (kb.se/collaboration); valueURI
Usage	O - optional
Repeatable	Yes
Praxis	Use for analysis of non-organisational entities
Motivation	This type of affiliation is to be used for analysis of publications from research centres or networks that span several organisational units
Code example	<pre><name ... > <affiliation lang="eng" authority="kb.se/collaboration" valueURI="e-science.se">SeRC - Swedish e-Science Research Centre</affiliation> </name></pre>
Version/date	2.3, 3.0, 4.0 / 2014-04-08, 2019-08-20, 2023-05-30 [Updated 2023-05-30]
List of values	Supplied by the National Library of Sweden (authority kb.se/collaboration)
Discussion	This type of non-organisational affiliations are not supposed to be included among organisational affiliations when counting the fractional weight for assigning a publication to an organisation.

13.1.4. Affiliation, non-organisational

	The authority attribute with value "kb.se/collaboration" is needed to be able to exclude non-organisational affiliations when counting fractions.
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13.1.5. Affiliation, country

Element name	affiliation
Purpose	Contains the country code of an organisation with which the entity recorded in name was associated at the time that the resource was created
Sub-elements	-
Attributes	lang; authority (kb.se); valueURI
Usage	O - optional
Repeatable	Yes
Praxis	Use for analysis of international co-operation
Motivation	This type of affiliations enable international co-operation based analyses of organisations
Code example	<pre><name ... > <affiliation lang="swe" authority="kb.se" valueURI="https://id.kb.se/country/xxk"> </affiliation> </name></pre>
Version/date	2.6, 3.0, 4.0 / 2015-05-13, 2019-08-20, 2023-05-30 [Updated 2023-05-30]
List of values	Attribute values for valueURI with additional country code according to MARC list of countries are supplied by the National Library of Sweden: https://id.kb.se/country/[country code] (authority kb.se).
Discussion	<p>For non-Swedish organisations, organisation and country information may be extracted if the organisation is registered using the domain name as valueURI:</p> <pre><affiliation lang="eng" authority="kb.se" valueURI="ethz.ch">ETH Zürich, Switzerland </affiliation></pre> <p>For non-Swedish organisation that is not registered, country information may be extracted from valueURI supplied by the National Library of Sweden (authority kb.se).</p>

13.1.6. *Role	
Element name	role
Purpose	Container for information about the relationship of the entity recorded in name to the resource described in the record
Sub-elements	roleTerm
Attributes	-
Usage	M - Mandatory
Repeatable	Yes
Motivation	Container for role term elements
Code example	<pre><name ... > <role> <roleTerm> ... </roleTerm> </role> </name></pre>
Version/date	2.0/2012-10-10 [Checked 2023-05-30]

13.1.6.1. *Role term	
Element name	roleTerm
Purpose	The role of the entity recorded in name in relation to the resource described in the record
Sub-elements	-
Attributes	type (code); authority (marcrelator); valueURI
Usage	M - Mandatory
Repeatable	Yes
Praxis	-
Motivation	To be used to mark creators of the resource in analyses based on persons

13.1.6.1. *Role term

Code example	<pre><name ... > <role> <roleTerm type="code" authority="marcrelator" valueURI="https://id.loc.gov/vocabulary/relators/aut">aut</ro leTerm> </role> </name></pre>
Version/date	2.5, 4.0 / 2014-07-01, 2023-05-30 [Updated 2014-10-24, 2023-05-30]
List of values	All roles defined by Library of Congress' MARC relators are accepted: https://loc.gov/marc/relators/relaterm.html https://id.loc.gov/vocabulary/relators.html
New	The optional attribute valueURI is new as from Swepub MODS 4.0
Discussion	<p>Most commonly used in Swepub: author (aut), and editor (edt).</p> <p>Roles considered as creators by default are aut for any type of output and edt for output type samplingsverk, proceedings, rapport and special-/temanummer av tidskrift.</p> <p>Mark names with roles not usually considered as creators with the extra role "cre" to make sure persons are included in analysis and creatorCount, except for artistic output for which every role is considered to be author/creator:</p> <pre><name ... > <role> <roleTerm type="code" authority="marcrelator">ill</roleTerm> </role> <role> <roleTerm type="code" authority="marcrelator">cre</roleTerm> </role> </name></pre>

13.2. */-Organisation as author

Element name	name (type corporate)
Purpose	Name and identifiers for an organisation or a research group with an originator relation to the publication
Sub-elements	namePart; affiliation; role; description
Attributes	type; authority

13.2. */-Organisation as author

Usage	A – Mandatory when applicable
Repeatable	Yes
Praxis	Use when an organisation or a research group is the (only) originator of the publication
Motivation	Name type corporate is used if no person is given as author to the publication
Code example	<pre><name type="corporate"> <namePart> ... </namePart> <affiliation> ... </affiliation> <role> ... </role> </name> <name type="corporate"> <namePart>Network Language and Power</namePart> <role> <roleTerm type="code" authority="marcrelator">aut</roleTerm> </role> <description>Research group</description> </name></pre>
Version/date	2.5, 4.0 / 2014-06-26, 2023-05-30 [Updated 2019-08-20, 2023-08-31]
New	A research group can be registered the same way as an organisation as an originator of the publication.

13.2.1. Affiliation

Element name	affiliation
Purpose	Contains the name of an organisation, institution, etc. with which the entity recorded in name was associated at the time that the resource was created
Sub-elements	-
Attributes	lang; authority; xsi:type; valueURI
Usage	O - Optional

13.2.1. Affiliation

Repeatable	Yes
Praxis	If affiliation is given for the organisation entering the data, the affiliation must have a valueURI with an identifier for the top level of the organisation. Organisation identifiers do not have to be used for affiliations other than the registering organisation, but are recommended.
Motivation	Affiliations are needed in order to make author-based analyses of organisations.
Code example	<pre> <name type="corporate"> <affiliation lang="swe" authority="kb.se" valueURI="liu.se"> Linköpings universitet </affiliation> <affiliation lang="eng" authority="kb.se" valueURI="liu.se"> Linköping University </affiliation> </name> </pre>
Version/date	2.1, 4.0 / 2014-02-10, 2014-05-02, 2023-05-30 [Revised 2023-05-30]
New	Affiliation for organisations or research groups as originator for the publication is optional as from Swepub MODS 4.0. ROR as additional ID for affiliated organisations is new as from Swepub MODS 4.0.
List of values	Registered ROR IDs, see https://ror.org/search Non-ROR IDs supplied by the National Library of Sweden (authority kb.se)

13.2.2. *Role

Element name	role
Purpose	Container for information about the relationship of the entity recorded in name to the resource described in the record
Sub-elements	roleTerm
Attributes	-
Usage	M - Mandatory
Repeatable	Yes

13.2.2. *Role

Motivation	Container for role term elements
Code example	<pre><name type="corporate"> <role> <roleTerm>...</roleTerm> </role> </name></pre>
Version/date	2.0 / 2012-10-10 [Checked 2023-05-30]

13.2.2.1. *Role term

Element name	roleTerm
Purpose	Designates the relationship of the entity recorded in name to the resource described in the record
Sub-elements	-
Attributes	type; authority; valueURI
Usage	M – Mandatory
Repeatable	Yes
Code example	<pre><name type="corporate"> <role> <roleTerm type="code" valueURI="http://id.loc.gov/vocabulary/relators/aut" authority="marcrelator">aut</roleTerm> </role> </name>></pre>
Version/date	2.5, 4.0 / 2014-06-26, 2023-05-30 [Updated 2023-05-30]
New	The optional attribute valueURI is new as from Swepub MODS 4.0
List of values	aut; edt; pbl; cre. Complete Library of Congress' list: https://www.loc.gov/marc/relators/relacode.html https://id.loc.gov/vocabulary/relators.html

14. *Creator count

Element name	note (type creatorCount)
Purpose	The total number of creators to the publication
Sub-elements	-
Attributes	type
Usage	M – Mandatory
Repeatable	No
Praxis	Publication type determines what name roles that count as creators. The element must contain a number > 0 and nothing else.
Motivation	The total number of creators is needed for creator-based fractionalisation
Code example	<code><note type="creatorCount">5</note></code>
Version/date	2.1, 4.0 / 2014-02-10, 2023-05-30 [Updated 2023-05-30]
List of values	1-
Discussion	<p>This element is mandatory to be delivered by the local system, even if all creators are registered with name elements in the publication record.</p> <p>If all creators are registered, creatorCount may be generated automatically by the local system though the following scheme of combinations of roles and publication types:</p> <ul style="list-style-type: none"> • Role aut -> creator • Role edt in combination with output types samlingsverk, proceedings, rapport and special-/temanummer av tidskrift -> creator • Role cre -> creator

15. Projects, programmes and strategic initiatives

Element name	relatedItem (type host)
Purpose	To make analysis of results of projects, programmes and strategic initiatives possible by linking publication output to contract numbers and other financial information

15. Projects, programmes and strategic initiatives

Sub-elements	genre (authority kb.se, valueURI); titleInfo (including sub-element title); identifier; name (including sub-elements namePart, nameIdentifier and role)
Attributes	type (host)
Usage	O - Optional
Repeatable	Yes
Praxis	Use with works that should be marked for analysis in relation to projects, contracts or strategic initiatives
Motivation	To make analysis of results of projects, programmes and strategic initiatives possible
Code example	<pre> <relatedItem type="host"> <genre authority="kb.se" valueURI=" https://id.kb.se/term/swepub/project">project</genre> <titleInfo> <title>An experimental view on the molecular phase space</title> </titleInfo> </relatedItem> <relatedItem type="host"> <genre authority="kb.se" valueURI=" https://id.kb.se/term/swepub/initiative">initiative</genre > <titleInfo> <title>Linnaeus Research Environments</title> </titleInfo> </relatedItem> <relatedItem type="host"> <genre authority="kb.se" valueURI=" https://id.kb.se/term/swepub/programme">programme</genre> <titleInfo> <title>Horizon 2020</title> </titleInfo> </relatedItem> </pre>
Version/date	3.0, 4.0 / 2019-08-20, 2023-05-30 [Updated 2023-05-30]
New	The optional attribute authority kb.se and valueURI is new as from Swepub MODS 4.0.

15. Projects, programmes and strategic initiatives

	The value grantAgreement as genre is removed as from Swepub MODS 4.0.
List of values	project: https://id.kb.se/term/swepub/project initiative: https://id.kb.se/term/swepub/initiative programme: https://id.kb.se/term/swepub/programme
Discussion	The element relatedItem is repeatable, so any combination of contracts, projects and programmes may be entered for each publication record. The value of the title sub-element is preferably the name of the project.

15.1. Project and programme identifiers

Element name	identifier
Purpose	To make analysis of results of projects, programmes and strategic initiatives possible by linking publication output to contract numbers
Sub-elements	-
Attributes	type (swecris; cordis; raid; [organization identifier])
Usage	O - Optional
Praxis	Use registered contract numbers from the research funder as identifiers of the project, contract or strategic initiative together with the source of the identifier
Motivation	To make analysis of results of projects, programmes and strategic initiatives possible
Code example	<pre><relatedItem type="host"> <genre authority="kb.se" valueURI=" https://id.kb.se/term/swepub/project">project</genre> <titleInfo> <title>An experimental view on the molecular phase space</title> </titleInfo> <identifier type="swecris">2017-05336_VR</identifier> </relatedItem> <relatedItem type="host"> <genre authority="kb.se" valueURI=" https://id.kb.se/term/swepub/project">project</pre>

15.1. Project and programme identifiers

	<pre> </genre> <titleInfo> <title>V4SAFETY</title> </titleInfo> <identifier type="cordis">EC/HE/101075068</identifier> </relatedItem> <relatedItem type="host"> <genre authority="kb.se" valueURI=" https://id.kb.se/term/swepub/project">project</genre> <titleInfo> <title>CARER-projekt</title> </titleInfo> <identifier type="liu">zxc456</identifier> </relatedItem> <relatedItem type="host"> <genre authority="kb.se" valueURI=" https://id.kb.se/term/swepub/programme">>programme</genre> <titleInfo> <title>Horizon 2020</title> </titleInfo> <identifier type="cordis">horizon2020</identifier> </relatedItem> </pre>
Version/date	3.0, 4.0 / 2019-08-20, 2023-05-30 [Updated 2023-05-30]
New	The identifier type="raid" is new as from Swepub MODS 4.0
Discussion	<p>The Swedish national system SweCRIS can be pointed out as identifier type only if the contract number is registered in SweCRIS. The list of participating research funding bodies in Swecris: https://www.swecris.se/en_us/about/. Use preferably together with information on funder to avoid eventual duplicate identifiers; see 15.2 Project funders.</p> <p>For projects or initiatives not registered in SweCRIS or Cordis but financed by the organisation registering data, use identifier type with the first part of the organisation's internet domain name according to the following:</p> <pre> <relatedItem type="host"> <genre authority="kb.se" valueURI=" https://id.kb.se/term/swepub/project">project</genre> <titleInfo> <title>CARER-projekt</title> </titleInfo> <identifier type="liu">zxc456</identifier> </relatedItem> </pre> <p>For EU-financed projects it is recommended that the EU Community Research and Development Information Service – Cordis – is given as</p>

15.1. Project and programme identifiers

	<p>identifier type and that the identifier is formatted according to the OpenAIRE guidelines (minimum level):</p> <pre><relatedItem type="host"> <genre authority="kb.se" valueURI=" https://id.kb.se/term/swepub/project">project </genre> <titleInfo> <title>V4SAFETY</title> </titleInfo> <identifier type="cordis">EC/HE/101075068</identifier> </relatedItem></pre>
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15.2. Project funders

Element name	name
Purpose	To make linking of results of projects, programmes and strategic initiatives with funders possible
Sub-elements	namePart; nameIdentifier (type ror; isni; fundref; ringgold; uri); role (including sub-element roleTerm)
Attributes	type (corporate); lang
Usage	O- Optional
Praxis	Use the name of the funder together with name identifier and role fnd
Motivation	To make analysis of results of projects, programmes and strategic initiatives possible
Code example	<pre><relatedItem type="host"> <genre authority="kb.se" valueURI=" https://id.kb.se/term/swepub/project">project</genre> <titleInfo> <title>An experimental view on the molecular phase space</title> </titleInfo> <identifier type="swecris">2017-05336_VR</identifier> <name type="corporate"> <namePart lang="swe">Vetenskapsrådet</namePart> <nameIdentifier type="ror">https://ror.org/03zttf063 </nameIdentifier> <role> <roleTerm type="code" authority="marcrelator">fnd</roleTerm> </role></pre>

15.2. Project funders

	</name> </relatedItem>
Version/date	3.0 , 4.0/ 2019-08-20, 2023-05-30 [Updated 2023-05-30]
New	The organisation identifier ROR is new and GRID is removed as from Swepub MODS 4.0
Discussion	Marking the funder for contracts, projects and programmes makes it easier to link between the local funder identifies used in SweCRIS. Use preferably nameIdentifier ROR to identify funders. In other case, use ISNI, FundRef ID, Ringgold or the domain name as URI.

15.3. Strategic research area initiatives

Element name	note
Purpose	To make analysis of results of national strategic research area initiatives possible by linking publication output to strategic research area
Sub-elements	-
Attributes	type (sfo)
Usage	O- Optional
Praxis	Use with publications that should be marked for analysis as results of strategic research area initiatives. For more information about praxis and list of value, see https://www.kb.se/samverkan-och-utveckling/nytt-fran-kb/nyheter-samverkan-och-utveckling/2021-11-29-praxis-kring-strategiska-forskningsomraden-i-swepub-mods.html (in Swedish).
Motivation	To make analysis of results of strategic research area initiatives possible
Code example	<pre><relatedItem type="host"> <genre authority="kb.se" valueURI="https://id.kb.se/term/swepub/initiative">initiat ive</genre> <titleInfo> <title>The Next Generation</title> </titleInfo> <note type="sfo">IT and mobile communication</note> </relatedItem></pre>

15.3. Strategic research area initiatives

Version/date	3.0, 4.0 / 2019-08-17, 2023-05-30 [Updated 2023-05-30]
List of values	Strategic research areas in Swepub MODS. https://www.kb.se/samverkan-och-utveckling/nytt-fran-kb/nyheter-samverkan-och-utveckling/2021-11-29-praxis-kring-strategiska-forskningsomraden-i-swepub-mods.html
Discussion	The value of the note type="sfo" attribute is preferably the name of the strategic research area, as fetched from the source of the financial information. For more information, see https://www.kb.se/samverkan-och-utveckling/nytt-fran-kb/nyheter-samverkan-och-utveckling/2021-11-29-praxis-kring-strategiska-forskningsomraden-i-swepub-mods.html

16. Event

Element name	relatedItem
Purpose	Container for information about the event related to the described work
Sub-elements	genre (authority kb.se, valueURI); title; identifier; originInfo
Attributes	type (host)
Usage	O - Optional
Repeatable	Yes
Praxis	Supply title and year of the event and the uri to the event web page. If the event is annual, the number of the event can be supplied.
Motivation	To make linking to related events possible
Code example	<pre><relatedItem type="host"> <genre authority="kb.se" valueURI="https://id.kb.se/term/swepub/event">event</genre> <titleInfo> <title>GLOW conference</title> <partNumber>41</partNumber> </titleInfo> <identifier type="uri">https://glow2017.wordpress.com/</identifier> <originInfo> <dateIssued>2017</dateIssued> </originInfo></pre>

16. Event

	</relatedItem>
Version/date	3.0, 4.0 / 2019-09-24, 2023-05-30 [Updated 2023-05-030]
Discussion	A structured way to supply information on related events supports describing of artistic and conference output. The value of the title attribute is preferably the name of the event, as fetched from the event page or programme.

17. *Publication date, publisher and edition

Element name	originInfo
Purpose	Container element for information about the origin of the resource
Sub-elements	agent; place; dateIssued; copyrightDate; dateOther; edition
Attributes	eventType (publication; distribution; manufacture; production)
Usage	M - Mandatory
Repeatable	Yes
Praxis	Define eventType when sub-elements agent or place are used
Code example	<pre><originInfo> <dateIssued> ... </dateIssued> <dateOther> ... </dateOther> <agent> ... </agent> <place> <placeTerm> ... </placeTerm> </place> <edition> ... </edition> </originInfo></pre>
Version/date	2.0, 3.0, 4.0 / 2012-10-10, 2019-08-20, 2023-05-30 [Revised 2023-05-30]
New	Sub-element agent is replacing publisher as from Swepub MODS 4.0. The attribute eventType and the optional sub-element copyrightDate are new as from Swepub MODS 4.0.

17.1. */-Publication date

Element name	dateIssued
Purpose	The date or year the resource was published
Sub-elements	-
Attributes	-
Usage	A – Mandatory if the publication is formally published
Repeatable	No
Praxis	Enter publication year as 4 digits in a format according to ISO 8601 (format YYYY) or full publication date according to ISO 8601 (YYYY-MM-DD) and no other data, to ensure machine readability. A single year or date must be specified due to that the resource is only to be included once in a time-based statistical analysis.
Motivation	This data is vital for time-based statistical analysis
Code example	<pre><originInfo> <dateIssued>1994</dateIssued> </originInfo></pre>
Version/date	2.0, 4.0 / 2012-10-10, 2023-05-30 [Amended 2014-08-29, updated 2023-05-30]
Discussion	Publication date is mandatory only for formally published publications. For publication records with a note type="publicationStatus" with a value other than "Published" publication date is optional.

17.1.1. Copyright date

Element name	copyrightDate
Purpose	The date or year the resource was copyrighted
Sub-elements	-
Attributes	-
Usage	O – Optional
Repeatable	No

17.1.1. Copyright date

Praxis	Enter publication year as 4 digits in a format according to ISO 8601 (format YYYY) or full publication date according to ISO 8601 (YYYY-MM-DD) and no other data, to ensure machine readability.
Motivation	To distinguish copyright date if it differs from dateIssued
Code example	<pre><originInfo> <copyrightDate>2023</copyrightDate> </originInfo></pre>
Version/date	4.0 / 2023-05-30 [Checked 2023-05-30]
New	New as from Swepub MODS 4.0

17.1.2. Date other

Element name	dateOther
Purpose	Other date or year related to the form of availability of the resource
Sub-elements	-
Attributes	type (available; defence; digitized; online; openAccess); point (start)
Usage	O - Optional
Repeatable	Yes
Praxis	Enter publication year as 4 digits in a format according to ISO 8601 (format YYYY) or full publication date according to ISO 8601 (YYYY-MM-DD) and no other data, to ensure machine readability. Use dateOther type="defence" for dissertation dates. Use dateOther type="digitized" for date of digitisation. Use dateOther type="online" for output published online first / ahead of print. Use dateOther type="openAccess" for startdate of availability as an open resource. Use dateOther type="available" for availability before the dissertation date, e.g.
Motivation	For additional date regarding the availability of the resource if it differs from the official publication date

17.1.2. Date other

Code example	<pre><originInfo> <dateOther type="openAccess" point="start">2017-06-01</dateOther> </originInfo> <originInfo> <dateOther type="online" point="start">2015</dateOther> </originInfo></pre>
Version/date	3.0, 4.0 / 2019-09-26, 2023-05-30 [Updated 2023-05-30]
Discussion	Information about the date when the resource was available can be used for monitoring, for example regarding online publishing.

17.2. */-Publisher

Element name	agent
Purpose	The name of the organisation that is responsible for the provision of the resource
Sub-elements	namePart; role (roleTerm)
Attributes	authority; valueURI
Usage	A – Mandatory if applicable
Repeatable	Yes
Praxis	Use whenever publisher information for the resource is available.
Motivation	Used in publication channel analysis
Code example	<pre><originInfo eventType="publication"> <agent> <namePart>Cambridge University Press</namePart> <role> <roleTerm authority="marcrelator" valueURI="http://id.loc.gov/vocabulary/relators/pbl">pbl </roleTerm> </role> </agent> </originInfo></pre>
Version/date	2.0, 4.0 / 2012-10-10, 2023-05-30 [Revised 2023-05-30]

17.2. */-Publisher

New	Agent instead of publisher is new from Library of Congress MODS 3.8 and Swepub MODS 4.0
List of values	<p>pbl (publisher), mfr (manufacturer), dst (distributor), pro (producer) according to MARC Code List for Relators</p> <p>https://id.loc.gov/vocabulary/relators.html</p> <p>Each roleTerm value needs to correlate with a corresponding eventType attribute.</p>
Discussion	<p>According to Library of Congress MODS 3.8 the element agent should be used instead of the element publisher. The element publisher is still accepted.</p> <pre><originInfo> <publisher>Cambridge University Press</publisher> </originInfo></pre>

17.3. Place

Element name	place
Purpose	The geographic location of the publisher, distributor, manufacturer or producer
Sub-elements	placeTerm
Attributes	-
Usage	O - Optional
Repeatable	Yes
Code example	<pre><originInfo eventType="publication"> <place> <placeTerm>Cambridge</placeTerm> </place> </originInfo></pre>
Version/date	2.0 / 2012-10-10 [Checked 2023-05-30]

17.4. Edition

Element name	edition
Purpose	Information identifying the version of the resource
Sub-elements	-
Attributes	-
Usage	O - Optional
Repeatable	Yes
Praxis	If no edition statement applies to the resource, do not include the edition element
Code example	<pre><originInfo> <edition>2nd edition</edition> </originInfo></pre>
Version/date	3.0, 4.0 / 2019-08-20, 2023-05-30 [Updated 2023-05-30]

18. */-Source

Element name	relatedItem
Purpose	Container for information about serial or monographic work of which the described work is a part
Sub-elements	titleInfo; identifier; part
Attributes	type (host; series)
Usage	A – Mandatory when the resource is published as a part of another work
Repeatable	Yes
Praxis	Supply the title and DOI/ISBN/ISSN for the host publication, and volume, issue and pages where applicable
Motivation	Information about source publication is important for channels analysis

18. */-Source

Code example	<pre> <relatedItem ...> <titleInfo> <title> ... </title> </titleInfo> <identifier type="issn"> ... </identifier> <part> <detail type="volume"> <number> ... </number> </detail> <detail type="issue"> <number> ... </number> </detail> <extent> <start> ... </start> <end> ... </end> </extent> </part> </relatedItem> </pre>
Version/date	2.0 / 2012-10-10 [Revised 2014-08-29, updated 2019-08-20, checked 2023-05-30]

18.1. */-Journal or book as source

Element name	relatedItem (type host)
Purpose	Container for information about serial or monographic work of which the described work is a part
Sub-elements	genre (authority; valueURI); titleInfo; identifier; part
Attributes	type (host)
Usage	A – Mandatory when the resource is a part of another work
Repeatable	Yes
Praxis	Supply the title and DOI/ISBN/ISSN for the host publication, and volume, issue and pages where applicable
Motivation	Information about source publication is important for channels analysis

18.1. */-Journal or book as source

Code example	<pre> <relatedItem type="host"> <genre authority="mserialpubtype" valueURI=" https://id.loc.gov/vocabulary/mserialpubtype/journal">journ al</genre> <titleInfo> <title> ... </title> </titleInfo> <identifier type="issn"> ... </identifier> <part> <detail type="volume"> <number> ... </number> </detail> <detail type="issue"> <number> ... </number> </detail> <extent> <start> ... </start> <end> ... </end> </extent> </part> </relatedItem> </pre>
Version/date	2.0, 4.0 / 2012-10-10; 2023-05-30 [Updated 2015-05-13, 2019-08-20, revised 2023-05-30]
New	The sub-element genre is new as from Swepub MODS 4.0

18.2. */-Series as source

Element name	relatedItem (type series)
Purpose	Container for information about a series of publications of which the described resource is a part
Sub-elements	titleInfo; identifier
Attributes	type (series)
Usage	A – Mandatory when the resource is a part of a series

18.2. */-Series as source

Repeatable	Yes
Praxis	Use when the publication is part of a series. Supply the title, part number and ISSN for the publication series where applicable
Code example	<pre><relatedItem type="series"> <titleInfo> <title> ... </title> <partNumber> ... </partNumber> </titleInfo> <identifier type="issn"> ... </identifier> </relatedItem></pre>
Version/date	2.0, 3.0 / 2012-10-10, 2019-09-26 [Updated 2023-05-30]

18.3. Constituent part

Element name	relatedItem (type series)
Purpose	Container for information about a single part of the described resource
Sub-elements	titleInfo; identifier; name; note
Attributes	type (constituent)
Usage	O - Optional
Repeatable	Yes
Praxis	Use for articles in compilation thesis or supplementary material published in addition to an article. Supply the title and identifier for the resource where applicable, as well as author or note when needed.
Code example	<pre><relatedItem type="constituent"> <titleInfo> <title> ... </title> </titleInfo> <identifier type="doi"> ... </identifier> <name type="personal"> ... <role> <roleTerm> ... </roleTerm> </role> </name></pre>

18.3. Constituent part

	<code><note> ... </note></code> <code></relatedItem></code>
Version/date	4.0 / 2023-05-30 [Checked 2023-05-30]
New	New as from Swebpub MODS 4.0
Discussion	relatedItem type="constituent" enables adding articles published in a compilation thesis or supplementary material published in addition to an article

18.4. Source genre

Element name	genre (authority)
Purpose	Container for information about serial or monographic work of which the described work is a part
Sub-elements	-
Attributes	authority; valueURI
Usage	O - Optional
Repeatable	Yes
Praxis	Supply the genre for the source to define form of the host or series publication
Motivation	Information about source publication is important for channel analysis
Code example	<pre><relatedItem type="host"> <genre authority="mserialpubtype" valueURI=" https://id.loc.gov/vocabulary/mserialpubtype/journal">jou rnal</genre> <titleInfo> <title>Sociologisk Forskning</title> </titleInfo> <identifier type="issn" displayLabel="PISSN">2002- 066X</identifier> <identifier type="issn" displayLabel="EISSN">0038- 0342</identifier> <part> <detail type="volume"> <number>59</number> </detail> <detail type="issue"> <number>3</number> </detail> </part> </relatedItem></pre>

18.4. Source genre

	<pre> </detail> <extent> <start>253</start> <end>278</end> </extent> </part> </relatedItem> <relatedItem type="host"> <genre authority="mserialpubtype" valueURI=" https://id.loc.gov/vocabulary/mserialpubtype/repo">reposito ry</genre> <titleInfo> <title>SSRN</title> </titleInfo> <identifier type="issn">1556-5068</identifier> </relatedItem> <relatedItem type="host"> <genre authority="marcgt" valueURI="https://id.loc.gov/vocabulary/marcgt/boo">book</g enre> <titleInfo> <title>Leadership and its alternatives</title> </titleInfo> <identifier type="isbn">9781529785852</identifier> <identifier type="isbn">9781529769067</identifier> <extent> <start>459</start> <end>470</end> </extent> </relatedItem> <relatedItem type="host"> <genre authority="marcgt" valueURI="https://id.loc.gov/vocabulary/marcgt/the">thesis< /genre> <titleInfo> <title>Att ta plats och göra skillnad</title> <subTitle>skolbibliotekariepraktiker i framgångsrika verksamheter</subTitle> </titleInfo> <identifier type="isbn">9789198339796</identifier> </relatedItem> </pre>
Version/date	4.0 / 2023-05-30 [Checked 2023-05-30]
New	New as from Swepub MODS 4.0
List of values	<p>journal, magazine, newspaper, repository (digital archive, publishing platform) according to Serial Publication Type https://id.loc.gov/vocabulary/mserialpubtype.html</p> <p>book, conference publication, technical report, thesis, web site according to MARC Genre Terms List https://id.loc.gov/vocabulary/marcgt.html</p>
Discussion	Adding a genre term makes it possible to define which kind of host or series the source publication is, for example for an article published both

18.4. Source genre

	in a journal and in a compilation thesis as well as for an article published in a platform (database or repositrium) instead of a journal.
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18.5. */-Source title

Element name	titleInfo (and sub-element title)
Purpose	Container for source title information
Sub-elements	title
Attributes	-
Usage	A – Mandatory if applicable
Repeatable	Yes
Praxis	Use full titles of journals and source publications
Code example	<pre><relatedItem ... > <titleInfo> <title>Journal of Applied Ecology</title> </titleInfo> </relatedItem></pre>
Version/date	2.0 / 2012-10-10 [Checked 2023-05-30]

18.6. */-Source identifiers

Element name	identifier
Purpose	Use to identify the source publication and match it uniquely against lists of publication channels
Sub-elements	-
Attributes	type (doi, isbn, issn, se-libr, ocolc); displayLabel
Usage	A – Mandatory if applicable
Repeatable	Yes

18.6. */-Source identifiers

Praxis	Register only one identifier per element as a code to be machine-readable. Use repeated elements if there are several identifiers for different versions of the publication. Prefixes as ISBN: and suffixes as (PDF) should not be included. DOIs with https-prefix are accepted but an enhancement to https-URI will be done in Swepub.
Motivation	This is an important element for the matching of publication channels
Code example	<pre><relatedItem ... > <identifier type="issn" displayLabel="PISSN">1057-9478</identifier> <identifier type="issn" displayLabel="EISSN">1057-9445</identifier> </relatedItem></pre>
Version/date	2.0, 3.0, 4.0 / 2012-10-10, 2019-08-20, 2023-05-30 [Updated 2023-05-30]
List of values	Controlled list of identifier types: doi; isbn; issn; se-libr; ocolc
Discussion	<p>identifier type="isbn"/"issn" can be repeated for different ISBN's and ISSN's for printed and electronic edition of source publication.</p> <p>If there is a need to define different source identifiers for printed and electronic editions, use the attribute displayLabel.</p>

18.7. */-Source volume, issue and pages

Element name	part
Purpose	Container for information about volume, issue and pages in the source publication
Sub-elements	detail; extent
Attributes	-
Usage	A – Mandatory if applicable
Repeatable	Yes
Code example	<pre><relatedItem type="host"> <part> <detail type="volume"> <number>31</number> </detail></pre>

18.7. */-Source volume, issue and pages

	<pre> <detail type="issue"> <number>3</number> </detail> <extent> <start>11</start> <end>23</end> </extent> </part> </relatedItem> </pre>
Version/date	2.0 / 2012-10-10 [Checked 2023-05-30]

18.7.1. */-Source volume, issue and article number

Element name	detail
Purpose	Container for information about volume, issue and article number in the source publication
Sub-elements	-
Attributes	type (volume; issue; artNo; citation)
Usage	A – Mandatory if applicable
Repeatable	Yes
Praxis	Supply source volume, issue and article number as a numeric value or other designation as fetched from the source
Motivation	Relevant for reference lists
Code example	<pre> <relatedItem type="host"> <part> <detail type="volume"> <number>31</number> </detail> <detail type="issue"> <number>3</number> </detail> <detail type="artNo"> <number>5</number> </detail> <detail type="citation"> </pre>

18.7.1. */-Source volume, issue and article number

	<pre><caption>vol. 31, no. 3, article no. 5</caption> </detail> </part> </relatedItem></pre>
Version/date	2.0, 3.0 / 2012-10-10, 2019-08-20 [Checked 2023-05-30]
Discussion	<p>The detail type= "citation" with caption is to be used as an alternative to detail type="volume"/"issue" and extent when splitting over several elements is impractical.</p> <p>The detail type="artNo" was introduced as from Swebpub MODS 2.6 to be used with sources which have article numbers instead of paging.</p>

18.7.2. */-Source start and end page

Element name	extent (with sub-elements start and end)
Purpose	Container for start and end pages in the source publication
Sub-elements	start; end
Attributes	-
Usage	A – Mandatory if applicable
Repeatable	Yes
Praxis	Supply source start and end page as a numeric value or other designation as fetched from the source
Motivation	Relevant for reference lists
Code example	<pre><relatedItem type="host"> <part> <extent> <start>11</start> <end>23</end> </extent> </part> </relatedItem></pre>
Version/date	2.0 / 2012-10-10 [Updated 2014-10-24, 2019-08-20, checked 2023-05-30]

18.7.2. */-Source start and end page

Discussion	The detail type= "citation" with caption is to be used as an alternative to detail type="volume"/"issue" and extent when splitting over several elements is impractical
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19. Research data

Element name	relatedItem (type host)
Purpose	Container for information about research data which the described work is a result of
Sub-elements	genre; titleInfo; identifier (doi; hdl; urn; uri)
Attributes	type (host)
Usage	O - Optional
Repeatable	Yes
Praxis	Supply the title and identifier for dataset published in a data repository
Motivation	To make linking to related dataset possible
Code example	<pre><relatedItem type="host"> <genre>dataset</genre> <titleInfo> <title>Transfer of bacteriophages between the fingers of volunteers and water or saliva</title> </titleInfo> <identifier type="doi">10.25678/000099</identifier> </relatedItem></pre>
Version/date	3.0 / 2019-08-20 [Updated 2023-05-31]

20. */-Location and accessibility

Element name	location
Purpose	Container for location elements

20. */-Location and accessibility

Sub-elements	url
Attributes	-
Usage	A - Mandatory if applicable
Repeatable	Yes
Praxis	Use at container for URL's to the publication full text
Motivation	For accessing the publication full text
Code example	<pre><location> <url> ... </url> </location></pre>
Version/date	2.0 / 2012-10-10 [Updated 2019-08-20, checked 2023-05-31]

20.1. */-URL

Element name	url
Purpose	URL's to the publication full text
Sub-elements	-
Attributes	usage; displayLabel; access (preview; raw object; object in context); note
Usage	A - Mandatory if applicable
Repeatable	Yes
Praxis	URL's with the attribute usage="primary" should be an auto-generated link to the full text located in the local repository and must not be possible to enter manually. Manually entered URL's must not have the attribute usage="primary".
Motivation	For accessing the publication full text
Code example	<pre><location> <url usage="primary" displayLabel="FULLTEXT" access="raw object">http://hh.diva- portal.org/smash/get/diva2:239322/FULLTEXT01</url> </location></pre>

20.1. */-URL

Version/date	2.4, 3.0 / 2014-05-05, 2019-08-20 [Updated 2023-05-31]
Discussion	<p>If the URL to the publication full text is auto-generated from the local repository, the URL is considered to be permanent and should therefore be indicated with the attribute usage="primary".</p> <p>The attributes displayLabel and note are optional to use as additional information associated with the URL. For information about the access to full text, use the accessCondition element instead of the note attribute.</p> <p>The attribute access is optional to use to indicate the type of resource the URL link leads to. The following values may be used with the attribute access:</p> <ul style="list-style-type: none"> • preview: Indicates a link to a thumbnail or snippet of text • raw object: Indicates a direct link to the object described (e.g. a pdf). Used only when the object is represented by a single file. • object in context: Indicates a link to the object within the context of its environment (with associated metadata, navigation, etc.)

21. Access condition

Element name	accessCondition
Purpose	Container for access information about the publication
Sub-elements	-
Attributes	type; displayLabel; authority; valueURI
Usage	O - Optional
Repeatable	No
Praxis	Use if access condition of the original version is known, presumably the publisher's version. If the original version in full text is free to access, state gratis. For access condition upon e.g. payment, subscription, encryption, etc. select restricted.
Motivation	Access information will be used for statistics regarding open access publishing
Code example	Free access:

21. Access condition

	<pre><accessCondition authority="kb.se" valueURI="https://id.kb.se/policy/oa/gratis">gratis<access Condition></pre> <p>Restricted access:</p> <pre><accessCondition authority="kb.se" valueURI="https://id.kb.se/policy/oa/restricted">restricte d</accessCondition></pre>
Version/date	3.0, 4.0 / 2019-08-20, 2023-05-31 [Updated 2023-05-31]
New	The optional attributes authority and valueURI are new as from Swepub MODS 4.0
List values	<p>gratis: https://id.kb.se/policy/oa/gratis</p> <p>restricted: https://id.kb.se/policy/oa/restricted</p>
Discussion	The accessCondition element may be used for statistics regarding open access publishing although this information can also be retrieved from other data sources

21.1. Embargo

Element name	accessCondition (type restriction on access)
Purpose	Container for embargo information about the publication
Sub-elements	-
Attributes	type (restriction on access); displayLabel (embargo)
Usage	O - Optional
Repeatable	Yes
Praxis	Use for information about embargo together with the date for the end of the embargo period
Motivation	Information about embargo may be used for statistics regarding open access publishing
Code example	<pre><accessCondition type="restriction on access" displayLabel="embargo">2019-01-01 </accessCondition></pre>

21.1. Embargo

Version/date	3.0 / 2019-08-20 [Updated 2023-05-31]
Discussion	Information about embargo may be used for statistics regarding open access publishing

21.2. License

Element name	accessCondition (type use and reproduction)
Purpose	Container for license information about the publication
Sub-elements	-
Attributes	type (use and reproduction); xlink:href
Usage	O - Optional
Repeatable	Yes
Praxis	Supply link to license information
Motivation	License information will be used for statistics regarding open access publishing and for stating the rights for re-using
Code example	<pre><accessCondition type="use and reproduction" xlink:href="https://creativecommons.org/licenses/by/3.0/"> </accessCondition></pre>
Version/date	3.0 / 2019-08-24 [Updated 2023-05-31]
Discussion	<p>According to the FAIR principles license information is needed as information about the rights for re-using.</p> <p>License information can also be used for statistics regarding open access publishing although this information can even be retrieved from other data sources.</p>

22. */-Physical description

Element name	physicalDescription
Purpose	Container for the physical description of the resource
Sub-elements	form; extent
Attributes	displayLabel
Usage	A – Mandatory if the item is published in a local repository
Repeatable	No
Code example	<pre><physicalDescription> <form> ... </form> <extent> ... </extent> </physicalDescription></pre>
Version/date	2.0 / 2012-10-10 [Checked 2023-05-31]

22.1. */-Physical form

Element name	form
Purpose	The physical form of the record item
Sub-elements	-
Attributes	authority (marcform)
Usage	A – Mandatory if the item is published digitally in a local repository
Repeatable	No
Code example	<pre><physicalDescription> <form authority="marcform">electronic</form> </physicalDescription></pre>
Version/date	2.0 / 2012-10-10 [Checked 2023-05-31]
List of values	print; electronic

22.2. Physical extent

Element name	extent
Purpose	The physical extent of the resource
Sub-elements	-
Attributes	-
Usage	O - Optional
Repeatable	No
Code example	<pre><physicalDescription> <extent>1 bordsduk : blå- och vitrutig ; 90 x 90 cm</extent> </physicalDescription></pre>
Version/date	2.0 / 2012-10-10 [Checked 2023-05-31]

23. Type of resource

Element name	typeOfResource
Purpose	Use to describe the media type of the resource
Sub-elements	-
Attributes	collection; manuscript; authority; valueURI
Usage	O - Optional for media types other than text
Repeatable	Yes
Praxis	Use for resources with media types other than text
Motivation	To be used for analyses of output from artistic research
Code example	<pre><typeOfResource>still image</typeOfResource></pre>
Version/date	2.0, 3.0, 4.0 / 2012-10-10, 2019-09-26, 2023-05-31 [Updated 2023-05-31]
Discussion	Alternative controlled lists, e.g. http://id.loc.gov/vocabulary/resourceTypes.html or http://vocabularies.coar-repositories.org/documentation/resource_types/

23. Type of resource

	<code><typeOfResource authority=COAR valueURI="http://purl.org/coar/resource_type/c_e9a0">interactive resource</typeOfResource></code>
--	--

24. Notes

Element name	note
Purpose	Use for extra information about the resource
Sub-elements	-
Attributes	lang
Usage	O - Optional
Repeatable	Yes
Code example	<code><note > Parallel text in Russian and English </note></code>
Version/date	2.0 / 2012-10-10 [Checked 2023-05-31]

25. Appendices

25.1 *OAI-PMH request and elements outside of MODS metadata container

The OAI-PMH XML code is not part of the actual Swepub MODS, but is a record container that is mandatory for record exchange through OAI-PMH and therefore listed here for completeness. The OAI-PMH request element contains the ListRecords sub-element that contains the full list of records with headers and MODS metadata.

Element name	OAI-PMH
Purpose	The OAI-PMH protocol request header and wrapper for the full record set
Sub-elements	responseDate; request; ListRecords

Attributes	xmlns; xmlns:xsi; xsi:schemaLocation
Usage	M - Required for an OAI-PMH request
Motivation	Used to wrap a set of Swepub metadata records resulting from an OAI-PMH request
Code example	<pre><OAI-PMH xmlns="http://www.openarchives.org/OAI/2.0/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.openarchives.org/OAI/2.0/ http://www.openarchives.org/OAI/2.0/OAI-PMH.xsd"> <responseDate>... </responseDate> <request verb="ListRecords" metadataPrefix="swepub_mods" set="xx"> ... </request> <ListRecords> ... </ListRecords> </OAI-PMH></pre>
Version/date	2.0 / 2012-10-10 [Checked 2023-05-31]

25.1.1. *Response data

Element name	responseDate
Purpose	Date of the transmission of data
Sub-elements	-
Attributes	-
Praxis	Must be expressed in UTC, using the special UTC designator ("Z")
Usage	M - Mandatory
Motivation	For statistics and house-keeping
Code example	<pre><OAI-PMH> <responseDate>2014-02-05T13:08:39Z</responseDate></pre>
Version/date	2.0, 4.0 / 2012-10-10, 2023-05-31 [Updated 2023-05-31]

25.1.2. *Request

Element name	request
Purpose	Information on the purpose of the request

25.1.2. *Request

Sub-elements	-
Attributes	verb; metadataPrefix; set
Usage	M - Mandatory
Code example	<pre><OAI-PMH> <request verb="ListRecords" metadataPrefix="swepub_mods" set="xx">http://api.libris.kb.se/swepub/oaipmh </request></pre>
Version/date	2.0 / 2012-10-10 [Checked 2023-05-31]

25.1.3. *List of records

Element name	ListRecords
Purpose	XML container for Swepub metadata records
Sub-elements	record
Attributes	metadataPrefix
Usage	M - Mandatory
Code example	<pre><OAI-PMH> <ListRecords> <record> ... </record> <record> ... </record> </ListRecords> </OAI-PMH></pre>
Version/date	2.0 / 2012-10-10 [Checked 2023-05-31]

25.1.3.1. *Metadata record

Element name	record
Purpose	The XML container for the publication metadata record
Sub-elements	header; metadata

25.1.3.1. *Metadata record

Attributes	-
Usage	M - Mandatory
Motivation	Container for parts of Swepub metadata record
Code example	<pre><OAI-PMH> <ListRecords> <record> <header> ... </header> <metadata> ... </metadata> </record> </ListRecords> </OAI-PMH></pre>
Version/date	2.0 / 2012-10-10 [Checked 2023-05-31]

25.1.3.2. *Record header

Element name	header
Purpose	Header for record metadata outside of MODS metadata
Sub-elements	identifier; datestamp; setSpec
Attributes	-
Usage	M - Mandatory
Motivation	Used to identify record and last modification data for incremental updates
Code example	<pre><OAI-PMH> <ListRecords> <record> <header> <identifier>oai:DiVA.org:mdh-40292</identifier> <datestamp>2018-07-27T11:00:05Z</datestamp> <setSpec>MDH_SWEPUB</setSpec> </header> </record> </ListRecords> </OAI-PMH></pre>
Version/date	2.0 / 2012-10-10 [Checked 2023-05-31]

25.1.3.2. *Record header

Discussion	Sub-elements identifier, datestamp and setSpec are not documented separately; only by example above to save space
-------------------	---

25.1.3.3. *Metadata

Element name	metadata
Purpose	XML container for MODS metadata
Sub-elements	mods
Attributes	-
Usage	M - Mandatory
Motivation	A single manifestation of the metadata from an item
Code example	<pre><OAI-PMH> <ListRecords> <record> <metadata> ... </metadata> </record> </ListRecords> </OAI-PMH></pre>
Version/date	2.0 / 2012-10-10 [Checked 2023-05-31]

25.1.3.4. *MODS root element

Element name	mods
Purpose	The MODS metadata wrapper
Sub-elements	All applicable MODS top-level elements and sub-elements
Attributes	xmlns; xmlns:xlink; xmlns:xsi; xsi:schemaLocation
Usage	M - Mandatory
Motivation	Metadata wrapper with attributes specifying Library of Congress MODS metadata format and version as basis for Swepub MODS

25.1.3.4. *MODS root element

Code example	<pre> <OAI-PMH> <ListRecords> <record> <metadata> <mods xmlns="http://www.loc.gov/mods/v3" version="3.8" xmlns:xlink="http://w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema- instance" xsi:schemaLocation="http://www.loc.gov/mods/v3 http://www.loc.gov/standards/mods/v3/mods-3- 8.xsd"> ... </mods> </pre>
Version/date	2.1, 3.0, 4.0 / 2014-02-05, 2019-08-20, 2023-05-31 [Checked 2023-05-31]
New	MODS version 3.8 ⁶

25.2 Swepub MODS 4.0 XML record example (fictitious)

```

<OAI-PMH xmlns="http://www.openarchives.org/OAI/2.0/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.openarchives.org/OAI/2.0/ http://www.openarchives.org/OAI/2.0/OAI-
PMH.xsd">
  <responseDate>2023-05-28T10:47:22Z</responseDate>
  <request verb="GetRecord" metadataPrefix="swepub_mods" identifier="oai:DiVA.org:mdh-40292">
    http://api.libris.kb.se/swepub/oaipmh
  </request>
  <GetRecord>
    <record>
      <header>
        <identifier>oai:DiVA.org:mdh-40292</identifier>
        <datestamp>2023-05-27T11:00:05Z</datestamp>
        <setSpec>MDH_SWEPUB</setSpec>
      </header>
      <metadata>
        <mods xmlns="http://www.loc.gov/mods/v3" version="3.8"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.loc.gov/mods/v3
http://www.loc.gov/standards/mods/v3/mods-3-8.xsd">
          <name type="personal">
            <namePart type="family">Coyne</namePart>
            <namePart type="given">I.</namePart>
            <role>
              <roleTerm type="code" authority="marcrelator">aut</roleTerm>
            </role>
            <affiliation>
              School of Nursing & Midwifery, Trinity College Dublin, Dublin,
              Ireland
            </affiliation>
          </name>
          <name type="personal">
            <namePart type="family">Bremner</namePart>
            <namePart type="given">B.</namePart>
            <role>
              <roleTerm type="code" authority="marcrelator">aut</roleTerm>
            </role>
            <affiliation lang="eng" authority="ROR" valueURI="https://ror.org/041kmwe10">
              School of Public Health, Imperial College of London
            </affiliation>
          </name>
        </mods>
      
```

⁶ <https://www.loc.gov/standards/mods/v3/mods-3-8.xsd>

```

<name type="personal" authority="mdh">
  <namePart type="family">Holmström</namePart>
  <namePart type="given">Inger K.</namePart>
  <namePart type="date">1960-</namePart>
  <nameIdentifier type="orcid">0000-0002-4302-5529</nameIdentifier>
  <nameIdentifier type="mdh">ihm01</nameIdentifier>
  <role>
    <roleTerm type="code" authority="marcrelator">aut</roleTerm>
  </role>
  <affiliation lang="swe" authority="kb.se"
    valueURI="mdh.se">Mälardalens högskola</affiliation>
  <affiliation lang="swe" authority="mdh.se"
    valueURI="mdh.se/16452">Hälsa och välfärd</affiliation>
</name>
<name type="personal" authority="mdh">
  <namePart type="family">Söderbäck</namePart>
  <namePart type="given">Maja</namePart>
  <namePart type="date">1949-</namePart>
  <nameIdentifier type="orcid">0000-0001-6163-9690</nameIdentifier>
  <nameIdentifier type="mdh">msh01</nameIdentifier>
  <role>
    <roleTerm type="code" authority="marcrelator">aut</roleTerm>
  </role>
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    valueURI="mdh.se">Mälardalens högskola</affiliation>
  <affiliation lang="swe" authority="mdh.se"
    valueURI="mdh.se/16452">Hälsa och välfärd</affiliation>
</name>
<titleInfo>
  <title>Centeredness in Healthcare</title>
  <subTitle>A Concept Synthesis of Family-Centered Care, Person-centered Care
    and Child-centered
    Care</subTitle>
</titleInfo>
<genre authority="kb.se"
  type="outputType"
  valueURI="https://id.kb.se/term/swepub/output/publication/journal-article">
  publication/journal-article
</genre>
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  valueURI="https://id.kb.se/term/swepub/svcp/ref">ref</genre>
<classification authority="ssif" usage="autoclassified">
  30399
</classification>
<classification authority="ssif" usage="primary">
  30305</classification>
<subject lang="swe" authority="sao"
  valueURI="https://id.kb.se/term/sao/Familjefokuserad%20omv%C3%A5rdnad">
  <topic>Familjefokuserad omvårdnad</topic>
</subject>
<subject lang="eng" authority="lchs"
  valueURI="http://id.loc.gov/authorities/subjects/sh88002062">
  <topic>Family nursing</topic>
</subject>
<subject lang="eng">
  <topic>Centeredness</topic>
</subject>
<subject lang="eng">
  <topic>Child-centered care</topic>
</subject>
<subject lang="eng">
  <topic>Concept analysis</topic>
</subject>
<subject lang="eng">
  <topic>Family-centered care</topic>
</subject>
<subject lang="eng">
  <topic>Person-centered care</topic>
</subject>
<originInfo eventType="publication">
  <agent>
    <namePart>W.B. Saunders</namePart>
    <role>
      <roleTerm authority="marcrelator"
        valueURI="http://id.loc.gov/vocabulary/relators/pbl">pbl</roleTerm>
    </role>
  </agent>
  <dateIssued>2023</dateIssued>
  <dateOther type="online" point="start">2023-02-10</dateOther>
</originInfo>
<relatedItem type="host">

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```

<genre authority="mserialpubtype"
  valueURI="https://id.loc.gov/vocabulary/mserialpubtype/journal"
  journal</genre>
<titleInfo>
  <title>Journal of Pediatric Nursing</title>
  <subTitle>Nursing Care of Children and Families</subTitle>
</titleInfo>
<identifier type="issn" displayLabel="PISSN">0882-5963</identifier>
<identifier type="issn" displayLabel="EISSN">1532-8449</identifier>
<part>
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    <number>42</number>
  </detail>
  <extent>
    <start>45</start>
    <end>56</end>
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</part>
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  type="uri">http://urn.kb.se/resolve?urn=urn:nbn:se:mdh:diva-40292</identifier>
<identifier
  type="doi">10.1016/j.pedn.2018.07.001</identifier>
<identifier type="scopus">2-s2.0-85049879186</identifier>
<identifier type="pmid">30219299</identifier>
<language>
  <languageTerm type="code" authority="iso639-2b">eng</languageTerm>
</language>
<location>
  <url>
    https://www.sciencedirect.com/science/article/pii/S0882596318301763?via%3Dihub
  </url>
</location>
<accessCondition authority="kb.se" valueURI="https://id.kb.se/policy/oa/restricted">
  restricted</accessCondition>
<abstract lang="eng">
  Background: Increasingly within healthcare, different kind of 'centeredness'
  are used to denote the focus of care which can create confusion for
  practitioners.
  Methods: A concept analysis was undertaken to identify the antecedents,
  attributes and relationship between family-, person-, and child-centered
  care. PubMed and CINAHL were searched from 2012 to 2017 and thirty-five papers
  were reviewed.
  Results: Both person- and child-centered care are focused on individuals, a
  symmetric relationship and the tailoring of care to individual needs while
  family-centered care is focused on the family as a unit of which the child
  is included. Person-centered care focuses on an adult person with autonomy,
  while the focus in child-centered care is the individual child as an own
  actor with rights but still close to a family.
</abstract>
<note type="creatorCount">4</note>
<physicalDescription>
  <form authority="marcform">print</form>
</physicalDescription>
<note type="publicationStatus" authority="kb.se"
xsi:type="stringPlusLanguagePlusAuthority"
valueURI="https://id.kb.se/term/swepub/published">Published</note>
<relatedItem type="host">
  <genre authority="kb.se" valueURI="https://id.kb.se/term/swepub/project">
  project</genre>
  <titleInfo>
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    utveckling, utvärdering och
    implementering i praktisk verksamhet</title>
  </titleInfo>
  <identifier type="swecris">2020-02101_Forte</identifier>
  <name type="corporate">
    <namePart lang="swe">Forte</namePart>
    <nameIdentifier type="ror">https://ror.org/02d290r06</nameIdentifier>
  </name>
  <role>
    <roleTerm type="code" authority="marcrelator">fnd</roleTerm>
  </role>
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  initiative</genre>
  <titleInfo>
    <title>The Next Generation</title>
  </titleInfo>
  <note type="sfo">Health Care Research</note>

```

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        <relatedItem type="host">
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          <titleInfo>
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          </titleInfo>
          <identifier type="doi">10.2566543/000099</identifier>
        </relatedItem>
        <recordInfo>
          <recordContentSource>mdh</recordContentSource>
          <recordCreationDate>2023-05-26</recordCreationDate>
        </recordInfo>
      </mods>
    </metadata>
  </record>
</GetRecord>
</OAI-PMH>
```



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