

# **Swepub MODS format specification**

**Version 3.0**



National Library  
of Sweden

**Swepub MODS format specification v. 3.0**



For more information:

National Library of Sweden, Metadata and Systems Support Division, Libris Customer Support

[www.kb.se](http://www.kb.se)

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**Version 3.0**

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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 2019 to improve the use of bibliometrics in the national publication system Swepub and is effective from January 1 2020. The major part of the updates focus on identifiers for outputs, researchers and organisations, output types, related items as well as access to publications in full text in order to improve the stability and possibilities of publication statistics of Swedish researchers and organisations.

The specification is based on the initial Swepub MODS format specification 2.0 from 2012<sup>1</sup> adding some features suggested by a study initiated by the Association of Swedish Higher Education (SUHF) in 2012<sup>2</sup>. It further contains features developed by a government-commissioned project at the National Library of Sweden (NLS) from 2014 to spring 2015.<sup>3</sup> The newest features are based on Library of Congress MODS 3.6 and 3.7 in line of suggestions for further development at the NLS from 2016 to 2019.

The ambition has been to be as backward compatible as possible although features regarding Swepub search system have been removed as well as features developed for specific bibliometric analyses that are no longer actual.

## 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-PMH<sup>4</sup>
- Metadata records harvested in Swepub MODS format 3.0 or later must be based on Library of Congress MODS version 3.7 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 639-2b<sup>5</sup> or ISO 639-3<sup>6</sup>
- If an element is repeated with content in different languages, the attribute *lang* must be used for all elements

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<sup>1</sup> Swepub MODS specification 2.0 (2012-10-10). <http://www.kb.se/samverkan-och-utveckling/swepub/format-och-praxis/tidigare-versioner>

<sup>2</sup> Vidareutveckling av formatspecifikationen för Swepub MODS på nationell nivå. 2012. <http://www.suhf.se/arbetsgrupp/avslutadearbetsgrupperochprojekt/vidareutvecklingavformatsspecifikationenforswepubmodspanationellniva>

<sup>3</sup> Swepub MODS specification 2.6 (2015-09-10). <http://www.kb.se/samverkan-och-utveckling/swepub/format-och-praxis/tidigare-versioner>

<sup>4</sup> <http://www.openarchives.org/OAI/openarchivesprotocol.html>

<sup>5</sup> [http://www.loc.gov/standards/iso639-2/php/code\\_list.php](http://www.loc.gov/standards/iso639-2/php/code_list.php)

<sup>6</sup> [https://iso639-3.sil.org/code\\_tables/639/data](https://iso639-3.sil.org/code_tables/639/data)

- 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>
```

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

<b>Element name</b>	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.
<b>Purpose</b>	The purpose of the element
<b>Sub-elements</b>	Commonly used sub-elements on the next level in the XML hierarchy in Swepub MODS
<b>Attributes</b>	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
<b>Usage</b>	The technical use of the element. States if the element is mandatory (M), mandatory if applicable (A), or optional (O)
<b>Repeatable</b>	States if the main element or sub-element is repeatable (Yes) or not (No)
<b>Praxis</b>	A short indication of suitable praxis for registration. For further discussion of recommended registration praxis, see the Swepub registration praxis guidelines <sup>7</sup> .
<b>Motivation</b>	A short motivation for the use of the element and its content
<b>Code example</b>	XML code example for the element, its attributes and surrounding and nested elements for context
<b>Version/date</b>	Swepub MODS version when the element was first introduced and modification dates
<b>New</b>	Comments about changes in regard to Swepub MODS version 2.6
<b>List of values</b>	List of values to be used in this element, if restricted by format or praxis
<b>Discussion</b>	Further discussion about the element and its usage

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<sup>7</sup> <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 3.0
<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 event (conference, meeting, etc.) 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="svep" type="publicationType"> ... </genre> <genre authority="kb.se" type="outputType"> ... </genre>	Publication type with authority <i>svep</i> or output type with authority <i>kb.se</i> of the resource	10. *Resource type
<genre authority="svep" type="contentType"> ... </genre>	Content type describing the scientific level and/or target group for the resource according authority <i>svep</i> , 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 or Epub ahead of print/Online first	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 or 639-3	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*.<sup>8</sup> 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 2.6 in the same order as they appear in this document:

- Elements that have been kept for backwards compatibility in Swepub search system are removed
- Flag for non-validated records is removed
- The possibility to mark an identifier as invalid is introduced
- The attribute *displayLabel* is introduced for *identifier* and *relatedItem identifier* to differ electronic ISBN's and ISSN's from print
- The possibility to mark authority for keywords according to Svenska ämnesord (SAO), Library of Congress Subject Headings (LCSH) and other subject headings is introduced
- The temporary double classification to enable marking of old publication types as artistic with *outputType=*"ArtisticPerformance" is removed
- The element *nameIdentifier* is replacing *xlink:href* for local name identifiers and *description* for ORCID in name elements for originators
- The attribute *authority=*"kb.se/collaboration" is to be used if non-organisational affiliations are given
- Country affiliation for external publication originators (co-authors, creators) from foreign organisations is now optional and is based on country codes supplied by the National Library of Sweden
- The element *relatedItem* is replacing *extension* for contracts, projects, programmes and strategic initiatives including information about funders
- The possibility to supply events in a structured way within the element *relatedItem* is introduced
- The possibility to mark other dates related to availability of the resource is introduced
- The possibility to mark edition is introduced
- Identifier type issue number for *relatedItem type=*"series" is now described as *partNumber*

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<sup>8</sup> <http://www.kb.se/samverkan-och-utveckling/swepub/format-och-praxis>

- The possibility to mark an additional source as thesis for resources published both in a journal or a book and in a compilation thesis is removed
- The possibility to link to related datasets is introduced
- The possibility to mark the access type of URL link is introduced
- The element *accessCondition* is introduced replacing information on access to full text in the element *location* and enables information on licenses
- Alternative controlled list with the attribute *authority* in the element *typeOfResource* is now allowed

## 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>

### *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](https://www.loc.gov/standards/iso639-2/php/code_list.php)
- ISO 639-3: [https://iso639-3.sil.org/code\\_tables/639/data](https://iso639-3.sil.org/code_tables/639/data)

### *Role*

- MARC Code List for Relators: <http://www.loc.gov/marc/relators/>

### *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: <http://www.kb.se/katalogisering/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](mailto:libris@kb.se).

## **1.9. References**

CRISTin. Håndbok for bruk og utveksling av metadata i norske vitenarkiv. Version 2.1. 2015.

<https://www.ceres.no/tjenester/laat/metadatahandbok/>

Metadata Object Description Schema (MODS). 2018.

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

MODS Metadata Object Description Schema, version 3.7. 2018.

<http://www.loc.gov/standards/mods/v3/mods-3-7.xsd>

Nationella riktlinjer för beskrivning av forskningsoutput. Version 1.3. 2019.

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

Nationellt format för publiceringsdatabaser (lokala register över akademisk  
publicering). Version 1.2. 2005.

[https://www.kb.se/download/18.2705879d169b8ba882a1e319/1557925765748/nationell\\_t\\_format.pdf](https://www.kb.se/download/18.2705879d169b8ba882a1e319/1557925765748/nationell_t_format.pdf)

ORCID - Open Researcher and Contributor ID.

<http://orcid.org/>

Outline of Elements and Attributes in MODS Version 3.7. 2018.

<http://www.loc.gov/standards/mods/mods-outline-3-7.html>

Slutrapport från Arbetsgrupp för utveckling av formatspecifikationen Swepub MODS  
på nationell nivå. 2012

<http://bit.ly/1cHPRDb>

Standard för svensk indelning av forskningsämnen 2011. Statistiska centralbyrån.

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

Swepub project specification 1.1 (2008-10-23) and Swepub MODS specification 2.0  
(2012-10-10). <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

<b>Element name</b>	mods
<b>Purpose</b>	The MODS metadata wrapper
<b>Sub-elements</b>	All applicable MODS top-level elements and sub-elements
<b>Attributes</b>	xmlns, xmlns:xsi, xsi:schemaLocation
<b>Usage</b>	M - Mandatory
<b>Repeatable</b>	Yes
<b>Praxis</b>	Must encapsulate each MODS XML metadata record
<b>Motivation</b>	Metadata wrapper with attributes specifying Library of Congress MODS metadata format and version as basis for Swepub MODS
<b>Code example</b>	<pre>&lt;mods xmlns="http://www.loc.gov/mods/v3" version="3.7"       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-3-7.xsd"&gt;     ... &lt;/mods&gt;</pre>
<b>Version/date</b>	2.1 / 2014-02-05 [Updated 2019-08-20]
<b>Discussion</b>	MODS version > 3.7 is needed for attributes <i>stringPlusLanguagePlusAuthority</i> introduced in name elements introduced in Swepub MODS > 2.0

## 3. \*Record information

<b>Element name</b>	recordInfo
<b>Purpose</b>	Container for information about the publication metadata record
<b>Sub-elements</b>	recordContentSource, recordCreationDate
<b>Attributes</b>	xmlns:xlink
<b>Usage</b>	M - Mandatory
<b>Repeatable</b>	No
<b>Praxis</b>	Must be supplied for all records delivered to Swepub
<b>Motivation</b>	Container for record content source
<b>Code example</b>	<pre>&lt;recordInfo xmlns:xlink="http://www.w3.org/1999/xlink"&gt;   &lt;recordContentSource&gt; ... &lt;/recordContentSource&gt; &lt;/recordInfo&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Updated 2019-08-20]

### 3.1. \*Record content source

<b>Element name</b>	recordContentSource
---------------------	---------------------

<b>Purpose</b>	The identifier for the organisation responsible for supplying the publication record
<b>Sub-elements</b>	-
<b>Attributes</b>	authority
<b>Usage</b>	M - Mandatory
<b>Repeatable</b>	Yes
<b>Praxis</b>	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.
<b>Motivation</b>	Record content source are used to track records back to their source after harvesting and possible merging of duplicates
<b>Code example</b>	<recordInfo> <recordContentSource>gu</recordContentSource> <recordInfo>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]
<b>List of values</b>	Supplied by the National Library of Sweden

<b>3.2. Record creation date</b>	
<b>Element name</b>	recordCreationDate
<b>Purpose</b>	Element to identify record creation date
<b>Sub-elements</b>	-
<b>Attributes</b>	-
<b>Usage</b>	O - Optional
<b>Repeatable</b>	No
<b>Praxis</b>	Enter full publication date according to w3cdtf (YYYY-MM-DD or YYYY-MM-DDThh:mm:ss) and no other data to ensure machine readability
<b>Motivation</b>	For identifying record creation date as the <i>datestamp</i> within the OAI header only shows the last modification date
<b>Code example</b>	<recordInfo> <recordCreationDate>2018-10-11</recordCreationDate> <recordInfo>
<b>Version/date</b>	3.0 / 2019-08-20 [Checked 2019-08-20]
<b>New</b>	The <i>recordCreationDate</i> sub-element is new as from Swepub MODS 3.0
<b>List of values</b>	W3CDTF

## 4. \*Record identifiers

<b>Element name</b>	identifier type uri
<b>Purpose</b>	Element to identify and/or link to the publication record
<b>Sub-elements</b>	-
<b>Attributes</b>	type (uri)
<b>Usage</b>	M – Mandatory for linking back to the originating repository
<b>Repeatable</b>	Yes
<b>Praxis</b>	Use to link to publication records in various systems
<b>Motivation</b>	To be used for links to publication records
<b>Code example</b>	<pre>&lt;identifier type="uri"&gt;     http://urn.kb.se/resolve?urn=urn:nbn:se:hh:diva-2104 &lt;/identifier&gt; &lt;identifier type="uri"&gt;     http://libris.kb.se/bib/pzg1f5r0mkkrg3rw &lt;/identifier&gt; &lt;identifier type="uri"&gt;     http://www.worldcat.org/oclc/26904758 &lt;/identifier&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Updated 2019-08-20]

## 5. \*/-Resource identifiers

<b>Element name</b>	identifier
<b>Purpose</b>	Element to identify the resource uniquely
<b>Sub-elements</b>	-
<b>Attributes</b>	type (doi; isbn; isi; scopus; pmid; urn; hdl; patent_number; libris; worldcat); invalid; displayLabel
<b>Usage</b>	A – Mandatory if the resource has a unique identifier
<b>Repeatable</b>	Yes
<b>Praxis</b>	<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 <i>invalid</i> attribute is optional and is only used with the value "yes" when recording a cancelled or invalid identifier. Do not use <i>invalid="no"</i>.</p>

<b>Motivation</b>	Used for deduplication of records, integration with commercial databases and other data sources as well as links to document full texts
<b>Code example</b>	<pre>&lt;identifier type="doi"&gt;10.1109/IPDPS.2006.1639502&lt;/identifier&gt; &lt;identifier type="isbn" displayLabel="Online"&gt;9781108378420&lt;/identifier&gt; &lt;identifier type="isi"&gt;000399313200008&lt;/identifier&gt; &lt;identifier type="scopus"&gt;2-s2.0-33847132885&lt;/identifier&gt; &lt;identifier type="pmid"&gt;28218395&lt;/identifier&gt; &lt;identifier type="urn"&gt;urn:nbn:se:sh:diva-30919&lt;/identifier&gt; &lt;identifier type="hdl"&gt;10616/46180&lt;/identifier&gt; &lt;identifier type="libris"&gt;pzg1f5r0mkkr3rw&lt;/identifier&gt; &lt;identifier type="worldcat"&gt;1031313744&lt;/identifier&gt; &lt;identifier type="patent_number"&gt;US 2007/0072443 A1&lt;/identifier&gt; &lt;identifier type="isbn" invalid="yes"&gt;9781108378421&lt;/identifier&gt;</pre>
<b>Version/date</b>	2.2, 2.5, 3.0 / 2014-03-07, 2014-05-13, 2019-08-20 [Checked 2019-08-20]
<b>New</b>	The <i>displayLabel</i> and <i>invalid</i> attribute are new as from Swepub MODS 3.0
<b>List of values</b>	Controlled list of identifier types: <b>doi</b> ; <b>isbn</b> ; <b>isi</b> ; <b>scopus</b> ; <b>pmid</b> ; <b>urn</b> ; <b>hdl</b> ; <b>patent_number</b> ; <b>libris</b> ; <b>worldcat</b> [or other format from <i>Standard Identifier Source Codes</i> : <a href="http://www.loc.gov/standards/sourcelist/standard-identifier.html">http://www.loc.gov/standards/sourcelist/standard-identifier.html</a> ]
<b>Discussion</b>	<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>&lt;identifier type="uri"&gt;   http://libris.kb.se/bib/pzg1f5r0mkkr3rw &lt;/identifier&gt;</pre> <p>The attribute <i>displayLabel</i> can be used for defining different ISBN's for printed and electronic editions.</p> <p>The attribute <i>invalid</i> can be used to mark resources with cancelled or invalid identifiers.</p>

<b>6. *Title and subtitle</b>	
<b>Element name</b>	titleInfo
<b>Purpose</b>	Container element for the main title and the subtitle of the resource
<b>Sub-elements</b>	title; subTitle
<b>Attributes</b>	type (alternative); displayLabel; xml:lang
<b>Usage</b>	M - Mandatory
<b>Repeatable</b>	Yes

<b>Praxis</b>	Use language attributes according to ISO 639-2b or ISO 639-3 where applicable
<b>Code example</b>	<pre>&lt;titleInfo&gt;   &lt;title&gt; ... &lt;/title&gt;   &lt;subTitle&gt; ... &lt;/subTitle&gt; &lt;/titleInfo&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]
<b>Discussion</b>	Alternative titles are added by repeating the <i>titleInfo</i> element and indicating with attribute <i>type</i> ="alternative"

6.1. *Title	
<b>Element name</b>	title
<b>Purpose</b>	The main title of the resource
<b>Sub-elements</b>	-
<b>Attributes</b>	-
<b>Usage</b>	M - Mandatory
<b>Repeatable</b>	Yes
<b>Praxis</b>	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.
<b>Motivation</b>	Used to identify the resource, give information about its content and improve searchability
<b>Code example</b>	<pre>&lt;titleInfo&gt;   &lt;title&gt;     Coffee, tea and melanoma risk : findings from the     European Prospective Investigation into Cancer and     Nutrition   &lt;/title&gt; &lt;/titleInfo&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Updated 2019-08-20]

6.2. */-Subtitle	
<b>Element name</b>	subTitle
<b>Purpose</b>	The subtitle of the resource
<b>Sub-elements</b>	-
<b>Attributes</b>	-
<b>Usage</b>	A - Mandatory if applicable
<b>Repeatable</b>	Yes
<b>Praxis</b>	Use separate elements for main title and subtitle where possible

<b>Motivation</b>	Used to add information about the content of the resource and improve searchability
<b>Code example</b>	<pre>&lt;titleInfo&gt;   &lt;title&gt;Coffee, tea and melanoma risk&lt;/title&gt;   &lt;subTitle&gt;findings from the European Prospective   Investigation into Cancer and Nutrition&lt;/subTitle&gt; &lt;/titleInfo&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Updated 2019-08-20]

## 7. Abstract

<b>Element name</b>	abstract
<b>Purpose</b>	A summary of the content of the resource
<b>Sub-elements</b>	-
<b>Attributes</b>	lang;
<b>Usage</b>	O – Optional
<b>Repeatable</b>	Yes
<b>Praxis</b>	Use language attributes according to ISO 639-2b or ISO 639-3 where applicable
<b>Motivation</b>	Used to describe the resource and improve searchability as well as in text analysis for machine-generated subject classification
<b>Code example</b>	<pre>&lt;abstract lang="eng"&gt; ... &lt;/abstract&gt; &lt;abstract lang="swe"&gt; ... &lt;/abstract&gt;</pre>
<b>Version/date</b>	2.5 / 2014-07-01 [Updated 2014-10-24, 2019-08-20]

## 8. Subjects and keywords

### 8.1. \*Subject classification according to Swedish research subjects standard

<b>Element name</b>	subject
<b>Purpose</b>	Three-level hierarchical classification of Swedish research subjects according to classification supplied by SCB/UKÄ (former HSV)
<b>Sub-elements</b>	topic
<b>Attributes</b>	lang; authority; xlink:href
<b>Usage</b>	M - Mandatory
<b>Repeatable</b>	Yes
<b>Praxis</b>	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.

<b>Motivation</b>	Standard of Swedish research subjects according to classification supplied by SCB/UKÄ (formerly HSV) is internationally comparable to OECD field of research and development (FORD) classification: <a href="http://www.oecd.org/publications/frascati-manual-2015-9789264239012-en.htm">http://www.oecd.org/publications/frascati-manual-2015-9789264239012-en.htm</a>
<b>Code example</b>	<pre>&lt;subject lang="swe" authority="uka.se" xlink:href="60203"&gt;   &lt;topic&gt;Humaniora och konst&lt;/topic&gt;   &lt;topic&gt;Språk och litteratur&lt;/topic&gt;   &lt;topic&gt;Litteraturvetenskap&lt;/topic&gt; &lt;/subject&gt; &lt;subject lang="eng" authority="uka.se" xlink:href="60203"&gt;   &lt;topic&gt;Humanities and the Arts&lt;/topic&gt;   &lt;topic&gt;Languages and Literature&lt;/topic&gt;   &lt;topic&gt;General Literary studies&lt;/topic&gt; &lt;/subject&gt;</pre>
<b>Version/date</b>	2.5 / 2014-06-27 [Updated 2015-04-23, 2019-08-20]
<b>List of values</b>	Standard för svensk indelning av forskningsämnen 2011. <a href="http://www.scb.se/dokumentation/klassifikationer-och-standarder/standard-for-svensk-indelning-av-forskningsamnen/">http://www.scb.se/dokumentation/klassifikationer-och-standarder/standard-for-svensk-indelning-av-forskningsamnen/</a>
<b>Discussion</b>	The standard was created in cooperation between Statistics Sweden (SCB) and "Högskoleverket" (HSV), which has been reorganised to "Universitetskanslersämbetet" (UKÄ), which now is responsible for the management of the list. Therefore, the authority for the list is given as uka.se in Swepub MODS.

## 8.2. Keywords

<b>Element name</b>	subject
<b>Purpose</b>	Keywords for improved findability and classification
<b>Sub-elements</b>	topic
<b>Attributes</b>	authority; valueURI; xmlns:xlink; lang
<b>Usage</b>	O - Optional
<b>Repeatable</b>	Yes
<b>Praxis</b>	Use to improve searchability and classification. 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: <a href="http://www.loc.gov/standards/sourcelist/subject.html">http://www.loc.gov/standards/sourcelist/subject.html</a>
<b>Motivation</b>	Use to increase searchability and classification of publication records
<b>Code example</b>	<pre>&lt;subject xmlns:xlink="http://www.w3.org/1999/xlink" lang="swe"   authority="sao"   valueURI="https://id.kb.se/term/sao/urban%20ekonomi"   &lt;topic&gt;urban ekonomi&lt;/topic&gt; &lt;/subject&gt;</pre>

	<pre>&lt;subject xmlns:xlink="http://www.w3.org/1999/xlink"   lang="eng" authority="lcsn"   valueURI="http://id.loc.gov/authorities/subjects/sh85141310"     &lt;topic&gt;Urban economics&lt;/topic&gt;   &lt;/subject&gt;  &lt;subject xmlns:xlink="http://www.w3.org/1999/xlink"   lang="eng"&gt;   &lt;topic&gt;telecommunication signalling&lt;/topic&gt; &lt;/subject&gt;</pre>
<b>Version/date</b>	2.0, 3.0 / 2012-10-10, 2019-08-20 [Checked 2019-08-20]
<b>New</b>	The attributes <i>authority</i> and <i>valueURI</i> are new as from Swepub MODS 3.0
<b>List of values</b>	<p>Library of Congress Subject Headings (LCSH).  <a href="http://id.loc.gov/authorities/subjects.html">http://id.loc.gov/authorities/subjects.html</a></p> <p>Svenska ämnesord (SAO).  <a href="https://id.kb.se/find?q=*&amp;inScheme.@id=https%3A%2F%2Fid.kb.se%2Fterms%2Fsaon">https://id.kb.se/find?q=*&amp;inScheme.@id=https%3A%2F%2Fid.kb.se%2Fterms%2Fsaon</a></p>

## 9. \*Language

<b>Element name</b>	language
<b>Purpose</b>	Container for language information elements
<b>Sub-elements</b>	languageTerm
<b>Attributes</b>	-
<b>Usage</b>	M – Mandatory
<b>Repeatable</b>	Yes
<b>Code example</b>	<pre>&lt;language&gt;   &lt;languageTerm&gt; ... &lt;/languageTerm&gt; &lt;/language&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]

### 9.1. \*Language term

<b>Element name</b>	languageTerm
<b>Purpose</b>	The language(s) of the publication
<b>Sub-elements</b>	-
<b>Attributes</b>	type (code); authority (iso639-2b, iso639-3)
<b>Usage</b>	M - Mandatory
<b>Repeatable</b>	Yes
<b>Code example</b>	<pre>&lt;language&gt;   &lt;languageTerm type="code" authority="iso639-2b"&gt;eng&lt;/languageTerm&gt;</pre>

	</language>
<b>Version/date</b>	2.0 / 2012-10-10, updated 2.3 / 2014-04-01 [Checked 2019-08-20]
<b>List of values</b>	ISO language code according to ISO 639-3 or ISO 639-2b
<b>Discussion</b>	ISO language code according to ISO 639-3 (authority="iso639-3") is now permitted both in Library of Congress MODS from version 3.5 and Swepub MODS from version 2.3

## 10. \*Resource type

### 10.1. \*/-Publication type

<b>Element name</b>	genre (type publicationType)
<b>Purpose</b>	To describe publication type according to document types specified in SVEP
<b>Sub-elements</b>	-
<b>Attributes</b>	authority ; type
<b>Usage</b>	A – Mandatory if output types are not implemented
<b>Repeatable</b>	Yes, for artistic works published as other publication types (see <a href="#">10.2.2</a> )
<b>Praxis</b>	For new resources use the new output types, see <a href="#">10.2</a> . Use publication type with any of the content types used in Swepub; see <a href="#">11</a> . The former pre-set mapping between publication types and content types from version 2.0 should not be used. Swepub has an auto-generated mapping from old publication types to new output types. For more specific mapping, use the mapping table for the Swedish classification of output: <a href="http://www.kb.se/samverkan-och-utveckling/swepub/format-och-praxis">http://www.kb.se/samverkan-och-utveckling/swepub/format-och-praxis</a> .
<b>Motivation</b>	Used for document selection in Swepub until all output is mapped or classified according to new output types
<b>Code example</b>	<genre authority="svep" type="publicationType">art</genre>
<b>Version/date</b>	2.0 / 2012-10-10, amended 2.6/2015-05-13, 3.0/2019-08-20 [Checked 2019-08-20]
<b>List of values</b>	<b>art</b> (journal article); <b>bok</b> (book); <b>kon</b> (conference paper); <b>kap</b> (book chapter); <b>dok</b> (doctoral thesis); <b>rap</b> (report); <b>rec</b> (review); <b>sam</b> (editorial collection); <b>for</b> (research review); <b>kfu</b> (artistic work); <b>lic</b> (licentiate thesis); <b>pat</b> (patent); <b>pro</b> (editorial proceeding); <b>ovr</b> (other publication)
<b>New</b>	Use <i>outputType</i> ="artistic-work" instead of the earlier, temporary <i>outputType</i> ="ArtisticPerformance" for flagging other type of publications as artistic works  <genre authority="svep" type="publicationType">kap</genre> <genre authority="kb.se" type="outputType">artistic-work</genre>

<b>Discussion</b>	This data is kept for backwards compatibility until all output is mapped or classified according to new output types, see <a href="#">10.2</a> below.
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<b>10.2. */-Output type</b>	
<b>Element name</b>	genre (type outputType)
<b>Purpose</b>	To describe output type according to new document types
<b>Sub-elements</b>	-
<b>Attributes</b>	authority; type
<b>Usage</b>	A - Mandatory if applicable
<b>Repeatable</b>	Yes, for artistic output published as other output types (see <a href="#">10.2.2</a> )
<b>Praxis</b>	Use instead of the old publication type codes according to the Swedish classification of output
<b>Motivation</b>	The new output types are more specific and up-to-date
<b>Code example</b>	<genre authority="kb.se" type="outputType"> ... </genre>
<b>Version/date</b>	2.6 / 2015-05-13 [Checked 2019-08-20]
<b>List of values</b>	Swedish classification of output. <a href="http://www.kb.se/samverkan-och-utveckling/swepub/format-och-praxis">http://www.kb.se/samverkan-och-utveckling/swepub/format-och-praxis</a>
<b>Discussion</b>	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.

<b>10.2.1. */-Output type – code</b>	
<b>Element name</b>	genre (type outputType)
<b>Purpose</b>	To describe output type according to new document types
<b>Sub-elements</b>	-
<b>Attributes</b>	authority; type
<b>Usage</b>	M - Mandatory if applicable
<b>Repeatable</b>	Yes, for artistic output published as other output types (see <a href="#">10.2.2</a> )
<b>Praxis</b>	Use instead of the old publication type codes according to the Swedish classification of output
<b>Motivation</b>	The new output types are more specific and up-to-date
<b>Code example</b>	<genre authority="kb.se" type="outputType">publication/book-chapter</genre>
<b>Version/date</b>	2.6 / 2015-05-13 [Checked 2019-08-20]

<b>List of values</b>	Swedish classification of output. <a href="http://www.kb.se/samverkan-och-utveckling/swepub/format-och-praxis">http://www.kb.se/samverkan-och-utveckling/swepub/format-och-praxis</a>
<b>Discussion</b>	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.

<b>10.2.2. */-Output type – artistic</b>	
<b>Element name</b>	genre (type outputType)
<b>Purpose</b>	Additional classification with outputType <i>artistic-work</i> creates a possibility for a number of artistic outputs
<b>Sub-elements</b>	-
<b>Attributes</b>	authority; type
<b>Usage</b>	A - Mandatory for other output types flagged as artistic outputs
<b>Repeatable</b>	Yes, for artistic output published as other output/publication types
<b>Praxis</b>	Use additional classification <i>artistic-work</i> in combination with other output types according to the Swedish classification of output
<b>Motivation</b>	Use as additional information for other type of publications that are classified as artistic works
<b>Code example</b>	<pre>&lt;genre authority="kb.se" type="outputType"&gt;publication/book-chapter &lt;/genre&gt; &lt;genre authority="kb.se" type="outputType"&gt;artistic-work &lt;/genre&gt;</pre>
<b>Version/date</b>	2.6/2015-05-13 [Updated 2019-08-20]
<b>List of values</b>	Swedish classification of output. <a href="http://www.kb.se/samverkan-och-utveckling/swepub/format-och-praxis">http://www.kb.se/samverkan-och-utveckling/swepub/format-och-praxis</a>
<b>Discussion</b>	Additional classification creates the possibility to flag other type of publications as artistic works

<b>11. *Content type</b>	
<b>Element name</b>	genre (type contentType)
<b>Purpose</b>	Element used to describe the scholarly level and/or target group for the resource
<b>Sub-elements</b>	-
<b>Attributes</b>	authority ; type
<b>Usage</b>	M - mandatory
<b>Repeatable</b>	No

<b>Praxis</b>	Use to indicate the scholarly level and the target group for the resource with any type of output
<b>Motivation</b>	Used for filtering in the Swepub system as well as for analysis <code>&lt;genre authority="svep" type="contentType"&gt;ref&lt;/genre&gt;</code>
<b>Code example</b>	
<b>Version/date</b>	2.0 / 2012-10-10 [Updated 2019-08-20]
<b>List of values</b>	<b>ref</b> (refereed); <b>vet</b> (other scholarly); <b>pop</b> (popular science)
<b>Discussion</b>	The former pre-set mapping between publication types and content types from version 2.0 should not be used

## 12. \*/-Publication status

<b>Element name</b>	note (type publicationStatus)
<b>Purpose</b>	To mark the status of records for unpublished works being harvested to the Swepub system
<b>Sub-elements</b>	-
<b>Attributes</b>	type
<b>Usage</b>	A - Mandatory for non-published works
<b>Repeatable</b>	No
<b>Praxis</b>	Use in any record for a work that has not been formally published
<b>Motivation</b>	Used to distinguish published works from non-published works in analyses
<b>Code example</b>	<code>&lt;note type="publicationStatus"&gt;Accepted&lt;/note&gt;</code>
<b>Version/date</b>	2.5 / 2014-06-25 [Updated 2019-08-20]
<b>New</b>	Preprint is now regarded as output rather than publication status from Swepub MODS 3.0
<b>List of values</b>	Submitted; Accepted; In press; Epub ahead of print/Online first; Published
<b>Discussion</b>	<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 <i>note type publicationStatus</i> is mandatory for all works that are not formally published. For published works the use of <i>note type publicationStatus="Published"</i> 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

<b>Element name</b>	name
<b>Purpose</b>	The name of a person, organisation, or event (conference, meeting, etc.) associated in some way with the resource
<b>Sub-elements</b>	namePart; namelIdentifier; role; affiliation
<b>Attributes</b>	type (personal; corporate; conference); authority; xlink; lang
<b>Usage</b>	A - Mandatory for originators affiliated with the organisation responsible for entering the record
<b>Repeatable</b>	Yes
<b>Praxis</b>	At least all originators related to the organisation registering the record must be represented by a <i>name</i> element each
<b>Motivation</b>	Name is a wrapper element that contains all sub-elements related to name information
<b>Code example</b>	<pre>&lt;name&gt;   &lt;namePart&gt; ... &lt;/namePart&gt;   &lt;nameIdentifier&gt; ... &lt;/nameIdentifier&gt;   &lt;role&gt; ... &lt;/role&gt;   &lt;affiliation&gt; ... &lt;/affiliation&gt; &lt;/name&gt;</pre>
<b>Version/date</b>	2.0, 3.0 / 2012-10-10, 2019-08-20 [Checked 2019-08-20]
<b>New</b>	The sub-element <i>namelIdentifier</i> is new as from Swepub MODS 3.0

### 13.1. \*/-Person name, identifier and affiliation

<b>Element name</b>	name (type personal)
<b>Purpose</b>	Name, identifiers and affiliation for a person with a relation to the resource
<b>Sub-elements</b>	namePart; namelIdentifier; role; affiliation
<b>Attributes</b>	authority
<b>Usage</b>	A - Mandatory for originator persons related to the organisation responsible for entering the record
<b>Repeatable</b>	Yes
<b>Praxis</b>	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
<b>Motivation</b>	Researchers and their affiliations need to be identified for researcher-based publication statistics for researchers or related organisations

<b>Code example</b>	<pre>&lt;name xmlns:xlink="http://www.w3.org/1999/xlink"       type="personal" authority="cth"&gt;   &lt;namePart&gt; ... &lt;/namePart&gt;   &lt;nameIdentifier&gt; ... &lt;/nameIdentifier&gt;   &lt;role&gt; ... &lt;/role&gt;   &lt;affiliation&gt; ... &lt;/affiliation&gt; &lt;/name&gt;</pre>
<b>Version/date</b>	2.1, 3.0 / 2014-02-21, 2019-08-20 [Checked 2019-08-20]
<b>New</b>	The sub-element <i>nameIdentifier</i> was introduced in Library of Congress MODS version 3.6 and replaces the <i>xlink:href</i> attribute for local name identifiers and the <i>description</i> sub-element for ORCID as from Swepub MODS 3.0
<b>Discussion</b>	The Swepub authorised organisation identifier for the organisation responsible for the identifier used in <i>nameIdentifier</i> must be given in the attribute <i>authority</i>

13.1.1. *Name part	
<b>Element name</b>	namePart
<b>Purpose</b>	Parts of a personal name
<b>Sub-elements</b>	-
<b>Attributes</b>	type (date; family; given)
<b>Usage</b>	M - Mandatory
<b>Repeatable</b>	Yes
<b>Praxis</b>	The use of separate name parts given and family name is recommended for easier identification, especially for person name elements without supplied ID's
<b>Motivation</b>	The use of name parts makes extraction of publications based on researcher names more exact and makes merging of name entries easier and safer
<b>Code example</b>	<pre>&lt;name ... &gt;   &lt;namePart type="family"&gt;Bengtsson&lt;/namePart&gt;   &lt;namePart type="given"&gt;Jerker&lt;/namePart&gt;   &lt;namePart type="date"&gt;1965&lt;/namePart&gt; &lt;/name&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]

13.1.2. */-Name identifier	
<b>Element name</b>	nameIdentifier
<b>Purpose</b>	A unique standard number or code that distinctively identifies the (name of a) person associated in some way with the resource
<b>Sub-elements</b>	-

<b>Attributes</b>	type; invalid (yes)
<b>Usage</b>	A - Mandatory for originator persons related to the organisation responsible for entering the record if applicable
<b>Repeatable</b>	Yes
<b>Praxis</b>	<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 <a href="https://orcid.org/">https://orcid.org/</a> XXXX-XXXX-XXXX-XXXX. Enhancement with https-prefix will be done in Swepub.</p> <p>If a local name identifier is available, use the Swepub authorised organisation identifier for the organisation responsible for the identifier in <i>nameIdentifier type</i>. This is usually the first part of the organisation's internet domain name.</p> <p>The <i>invalid</i> 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 <i>nameIdentifier</i> if no identifier is known.</p>
<b>Motivation</b>	Researchers and their affiliations need to be identified for researcher-based publication statistics for researchers or related organisations
<b>Code example</b>	<pre>&lt;name ... &gt;   &lt;nameIdentifier type="orcid"&gt;0000-0002-6848-   3956&lt;/nameIdentifier&gt; &lt;/name&gt;  &lt;name ... &gt;   &lt;nameIdentifier type="orcid"&gt;<a href="https://orcid.org/0000-0002-6848-3956">https://orcid.org/0000-0002-6848-3956</a>&lt;/nameIdentifier&gt; &lt;/name&gt;  &lt;name ... &gt;   &lt;nameIdentifier type="hh"&gt;je4xe&lt;/nameIdentifier&gt; &lt;/name&gt;  &lt;name ... &gt;   &lt;nameIdentifier type="liu"   invalid="yes"&gt;12345&lt;/nameIdentifier&gt; &lt;/name&gt;</pre>
<b>Version/date</b>	3.0 / 2019-08-20 [Checked 2019-08-20]
<b>New</b>	The sub-element <i>nameIdentifier</i> was introduced in Library of Congress MODS version 3.6 and replaces the <i>xlink:href</i> attribute for local name identifiers and the <i>description</i> sub-element for ORCID as from Swepub MODS 3.0
<b>List of values</b>	Registered ORCID ID:s, see <a href="https://orcid.org/orcid-search/search">https://orcid.org/orcid-search/search</a>
<b>Discussion</b>	The use of a personal ORCID identifier is highly recommended, to improve retrieval of records based on researcher identities

13.1.3. */-Affiliation	
<b>Element name</b>	affiliation
<b>Purpose</b>	Contains the name of an organisation, institution, etc. with which the entity recorded in <i>name</i> was associated at the time that the resource was created
<b>Sub-elements</b>	-
<b>Attributes</b>	lang; authority; xsi:type (mods:stringPlusLanguagePlusAuthority); valueURI
<b>Usage</b>	A - Mandatory for persons related to the organisation responsible for entering the publication record
<b>Repeatable</b>	Yes
<b>Praxis</b>	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.
<b>Motivation</b>	Affiliations are needed in order to make author-based analyses of organisations
<b>Code example</b>	<pre>&lt;name ... &gt;   &lt;affiliation lang="swe" authority="kb.se"     xsi:type="mods:stringPlusLanguagePlusAuthority"     valueURI="liu.se"&gt;     Linköpings universitet   &lt;/affiliation&gt;   &lt;affiliation lang="eng" authority="kb.se"     xsi:type="mods:stringPlusLanguagePlusAuthority"     valueURI="liu.se"&gt;     Linköping University   &lt;/affiliation&gt; &lt;/name&gt;</pre>
<b>Version/date</b>	2.1 / 2014-02-10, updated 2014-05-02, 2019-08-20 [Checked 2019-08-20]
<b>List of values</b>	Attribute values for valueURI are supplied by the National Library of Sweden (authority kb.se)
<b>Discussion</b>	<p>The <code>xsi:type="mods:stringPlusLanguagePlusAuthority"</code> inherits a general data type from the MODS schema and makes it possible to use the attributes authority and valueURI for the identification of an organisation.</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> &lt;affiliation lang="swe" authority="kb.se"     xsi:type="stringPlusLanguagePlusAuthority"     valueURI="lu.se"&gt;Lunds universitet&lt;/affiliation&gt; &lt;affiliation lang="swe" authority="lu.se"     xsi:type="stringPlusLanguagePlusAuthority"     valueURI="000022000"&gt;Medicinska fakulteten&lt;/affiliation&gt; &lt;affiliation lang="swe" authority="000022000"     xsi:type="stringPlusLanguagePlusAuthority"     valueURI="013230000"&gt;Kliniska vetenskaper,     Lund&lt;/affiliation&gt; </pre> <p>When 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" -&gt; authority="lu.se" valueURI="000022000" -&gt; authority="000022000" valueURI="013230000" </pre> <p>For non-Swedish organisations, organisation and country information may be extracted if the organisation is registered using the domain name as <i>valueURI</i>:</p> <pre> &lt;affiliation lang="eng" authority="kb.se"     xsi:type="stringPlusLanguagePlusAuthority"     valueURI="ethz.ch"&gt;ETH Zürich, Switzerland &lt;/affiliation&gt; </pre>
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13.1.4. Affiliation, non-organisational	
<b>Element name</b>	affiliation
<b>Purpose</b>	Contains the name of a non-organisational unit or entity (centre or network) that the originator is affiliated with
<b>Sub-elements</b>	-
<b>Attributes</b>	lang; authority (kb.se/collaboration); xsi:type (mods:stringPlusLanguagePlusAuthority); valueURI
<b>Usage</b>	O - optional
<b>Repeatable</b>	Yes
<b>Praxis</b>	Use for analysis of non-organisational entities
<b>Motivation</b>	This type of affiliation is to be used for analysis of publications from research centres or networks that span several organisational units
<b>Code example</b>	<pre> &lt;name ... &gt; &lt;affiliation lang="eng" authority="kb.se/collaboration"     xsi:type="stringPlusLanguagePlusAuthority" valueURI="e-     science.se"&gt;SeRC - Swedish e-Science Research     Centre&lt;/affiliation&gt; &lt;/name&gt; </pre>
<b>Version/date</b>	2.3, 3.0 / 2014-04-08, 2019-08-20 [Checked 2019-08-20]
<b>New</b>	The <i>xsi:type="mods:stringPlusLanguagePlusAuthority"</i> is replacing <i>xsi:type="roleTermDefinition"</i> as from Swepub MODS 3.0
<b>List of values</b>	Authority: kb.se/collaboration.

<b>Discussion</b>	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.  The <i>authority</i> 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	
<b>Element name</b>	affiliation
<b>Purpose</b>	Contains the country code of an organisation with which the entity recorded in <i>name</i> was associated at the time that the resource was created
<b>Sub-elements</b>	-
<b>Attributes</b>	lang; authority (kb.se); xsi:type (mods:stringPlusLanguagePlusAuthority); valueURI
<b>Usage</b>	O - optional
<b>Repeatable</b>	Yes
<b>Praxis</b>	Use for analysis of international co-operation
<b>Motivation</b>	This type of affiliations enable international co-operation based analyses of organisations
<b>Code example</b>	<pre>&lt;name ... &gt; &lt;affiliation lang="swe" authority="kb.se"   xsi:type="stringPlusLanguagePlusAuthority"   valueURI="https://id.kb.se/country/xxk"&gt; &lt;/affiliation&gt; &lt;/name&gt;</pre>
<b>Version/date</b>	2.6, 3.0 / 2015-05-13, 2019-08-20 [Checked 2019-08-20]
<b>New</b>	The valueURI “unknown_” with additional country code value is replaced with valueURI as linked data supplied by the National Library of Sweden as from Swepub MODS 3.0
<b>List of values</b>	Attribute values for valueURI with additional country code according to MARC list of countries are supplied by the National Library of Sweden: <a href="https://id.kb.se/country/[country code]">https://id.kb.se/country/[country code]</a> (authority kb.se).
<b>Discussion</b>	For non-Swedish organisations, organisation and country information may be extracted if the organisation is registered using the domain name as <i>valueURI</i> : <pre>&lt;affiliation lang="eng" authority="kb.se"   xsi:type="stringPlusLanguagePlusAuthority"   valueURI="ethz.ch"&gt;ETH Zürich, Switzerland &lt;/affiliation&gt;</pre>

	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).
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13.1.6. *Role	
<b>Element name</b>	role
<b>Purpose</b>	Container for information about the relationship of the entity recorded in name to the resource described in the record
<b>Sub-elements</b>	roleTerm
<b>Attributes</b>	-
<b>Usage</b>	M - Mandatory
<b>Repeatable</b>	Yes
<b>Motivation</b>	Container for role term elements
<b>Code example</b>	<pre>&lt;name ... &gt;   &lt;role&gt;     &lt;roleTerm&gt; ... &lt;/roleTerm&gt;   &lt;/role&gt; &lt;/name&gt;</pre>
<b>Version/date</b>	2.0/2012-10-10 [Checked 2019-08-20]

13.1.6.1. *Role term	
<b>Element name</b>	roleTerm
<b>Purpose</b>	The role of the entity recorded in name in relation to the resource described in the record
<b>Sub-elements</b>	-
<b>Attributes</b>	type (code); authority (marcrelator)
<b>Usage</b>	M - Mandatory
<b>Repeatable</b>	Yes
<b>Praxis</b>	-
<b>Motivation</b>	To be used to mark creators of the resource in analyses based on persons
<b>Code example</b>	<pre>&lt;name ... &gt;   &lt;role&gt;     &lt;roleTerm type="code"       authority="marcrelator"&gt;aut&lt;/roleTerm&gt;   &lt;/role&gt; &lt;/name&gt;</pre>
<b>Version/date</b>	2.5 / 2014-07-01 [Updated 2014-10-24, 2019-08-20]
<b>List of values</b>	All roles defined by Library of Congress' MARC relators are accepted: <a href="http://loc.gov/marc/relators/relaterm.html">http://loc.gov/marc/relators/relaterm.html</a>

<b>Discussion</b>	<p>Most commonly used in Swepub: author (aut), and editor (edt).</p> <p>Roles considered as creators by default are <i>aut</i> for any type of output and <i>edt</i> for output type <i>samlingsverk</i>, <i>proceedings</i>, <i>rapport</i> and <i>special-/temanummer av tidskrift</i>.</p> <p>Mark names with roles not usually considered as creators with the extra role <i>cre</i> to make sure persons are included in analysis and <i>creatorCount</i>:</p> <pre>&lt;name ... &gt;   &lt;role&gt;     &lt;roleTerm type="code"       authority="marcrelator"&gt;ill&lt;/roleTerm&gt;   &lt;/role&gt;   &lt;role&gt;     &lt;roleTerm type="code"       authority="marcrelator"&gt;cre&lt;/roleTerm&gt;   &lt;/role&gt; &lt;/name&gt;</pre>
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13.2. */-Organisation as author	
<b>Element name</b>	name (type corporate)
<b>Purpose</b>	Name and identifiers for an organisation with an originator relation to the publication
<b>Sub-elements</b>	affiliation; role
<b>Attributes</b>	type; authority
<b>Usage</b>	A – Mandatory when applicable
<b>Repeatable</b>	Yes
<b>Praxis</b>	Use when an organisation is the (only) originator of the publication
<b>Motivation</b>	Name type corporate is used if no person is given as author to the publication
<b>Code example</b>	<pre>&lt;name type="corporate"&gt;   &lt;affiliation&gt; ... &lt;/affiliation&gt;   &lt;role&gt; ... &lt;/role&gt; &lt;/name&gt;</pre>
<b>Version/date</b>	2.5 / 2014-06-26 [Updated 2019-08-20]
<b>New</b>	Affiliation(s) for organisations are used in the same way as for <i>name type personal</i>

13.2.1. */-Affiliation	
<b>Element name</b>	affiliation
<b>Purpose</b>	Contains the name of an organisation, institution, etc. with which the entity recorded in <i>name</i> was associated at the time that the resource was created

<b>Sub-elements</b>	-
<b>Attributes</b>	lang; authority; xsi:type; valueURI
<b>Usage</b>	A - Mandatory for names related to the organisation responsible for entering the publication record
<b>Repeatable</b>	Yes
<b>Praxis</b>	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.
<b>Motivation</b>	Affiliations are needed in order to make author-based analyses of organisations.
<b>Code example</b>	<pre>&lt;name type="corporate"&gt;     &lt;affiliation lang="swe" authority="kb.se"         xsi:type="mods:stringPlusLanguagePlusAuthority"         valueURI="liu.se"&gt;         Linköpings universitet     &lt;/affiliation&gt;     &lt;affiliation lang="eng" authority="kb.se"         xsi:type="mods:stringPlusLanguagePlusAuthority"         valueURI="liu.se"&gt;         Linköping University     &lt;/affiliation&gt; &lt;/name&gt;</pre>
<b>Version/date</b>	2.1 / 2014-02-10, updated (alt. lang.) 2014-05-02 [Checked 2019-08-20]
<b>List of values</b>	Attribute values for valueURI are supplied by the authority kb.se
<b>Discussion</b>	The xsi:type="mods:stringPlusLanguagePlusAuthority" inherits a general data type from the MODS schema and makes it possible to use the attributes authority and valueURI for the identification of an organisation

13.2.2. *Role	
<b>Element name</b>	role
<b>Purpose</b>	Container for information about the relationship of the entity recorded in name to the resource described in the record
<b>Sub-elements</b>	roleTerm
<b>Attributes</b>	-
<b>Usage</b>	M - Mandatory
<b>Repeatable</b>	Yes
<b>Motivation</b>	Container for role term elements
<b>Code example</b>	<pre>&lt;name type="corporate"&gt;     &lt;role&gt;         &lt;roleTerm&gt;...&lt;/roleTerm&gt;     &lt;/role&gt; &lt;/name&gt;</pre>

<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]
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<b>13.2.2.1. *Role term</b>	
<b>Element name</b>	roleTerm
<b>Purpose</b>	Designates the relationship of the entity recorded in name to the resource described in the record
<b>Sub-elements</b>	-
<b>Attributes</b>	type; authority
<b>Usage</b>	M – Mandatory
<b>Repeatable</b>	Yes
<b>Code example</b>	<pre>&lt;name type="corporate"&gt;   &lt;role&gt;     &lt;roleTerm type="code"       authority="marcrelator"&gt;aut&lt;/roleTerm&gt;   &lt;/role&gt; &lt;/name&gt;</pre>
<b>Version/date</b>	2.5 / 2014-06-26 [Checked 2019-08-20]
<b>List of values</b>	aut; edt; pbl; cre. Complete Library of Congress' list: <a href="http://www.loc.gov/marc/relators/relacode.html">http://www.loc.gov/marc/relators/relacode.html</a>

<b>14. *Creator count</b>	
<b>Element name</b>	note (type creatorCount)
<b>Purpose</b>	The total number of creators to the publication
<b>Sub-elements</b>	-
<b>Attributes</b>	type; authority
<b>Usage</b>	M – Mandatory
<b>Repeatable</b>	No
<b>Praxis</b>	Publication type determines what name roles that count as creators. The element must contain a number > 0 and nothing else.
<b>Motivation</b>	The total number of creators is needed for creator-based fractionalisation
<b>Code example</b>	<pre>&lt;note type="creatorCount"&gt;5&lt;/note&gt;</pre>
<b>Version/date</b>	2.1 / 2014-02-10 [Checked 2019-09-25]
<b>List of values</b>	1-
<b>Discussion</b>	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>If all creators are registered, <i>creatorCount</i> may be generated automatically by the local system through the following scheme of combinations of roles and publication types:</p> <ul style="list-style-type: none"> <li>• Role <i>aut</i> -&gt; creator</li> <li>• Role <i>edt</i> in combination with output types <i>samlingsverk</i>, <i>proceedings</i>, <i>rappart</i> and <i>special-/temanummer av tidskrift</i> -&gt; creator</li> <li>• Role <i>cre</i> -&gt; creator</li> </ul>
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## 15. Contracts, projects, programmes and strategic initiatives

<b>Element name</b>	relatedItem (type host)
<b>Purpose</b>	To make analysis of results of projects, programmes and strategic initiatives possible by linking publication output to contract numbers and other financial information
<b>Sub-elements</b>	genre; titleInfo (including sub-element title); identifier; name (including sub-elements namePart, namelIdentifier and role)
<b>Attributes</b>	type (host)
<b>Usage</b>	O - Optional
<b>Repeatable</b>	Yes
<b>Praxis</b>	Use with works that should be marked for analysis in relation to projects, contracts or strategic initiatives
<b>Motivation</b>	To make analysis of results of projects, programmes and strategic initiatives possible
<b>Code example</b>	<pre>&lt;relatedItem type="host"&gt;   &lt;genre&gt;project&lt;/genre&gt;   &lt;titleInfo&gt;     &lt;title&gt;An experimental view on the molecular phase space&lt;/title&gt;   &lt;/titleInfo&gt; &lt;/relatedItem&gt;  &lt;relatedItem type="host"&gt;   &lt;genre&gt;grantAgreement&lt;/genre&gt;   &lt;titleInfo&gt;     &lt;title&gt;Optimized public procurement of bus transports&lt;/title&gt;   &lt;/titleInfo&gt; &lt;/relatedItem&gt;  &lt;relatedItem type="host"&gt;   &lt;genre&gt;initiative&lt;/genre&gt;   &lt;titleInfo&gt;     &lt;title&gt;Linnaeus Research Environments&lt;/title&gt;   &lt;/titleInfo&gt;</pre>

	<pre>&lt;/relatedItem&gt;  &lt;relatedItem type="host"&gt;   &lt;genre&gt;programme&lt;/genre&gt;   &lt;titleInfo&gt;     &lt;title&gt;Horizon 2020&lt;/title&gt;   &lt;/titleInfo&gt; &lt;/relatedItem&gt;</pre>
<b>Version/date</b>	3.0 / 2019-08-20 [Checked 2019-08-20]
<b>New</b>	The <i>relatedItem</i> element with sub-elements <i>genre</i> and <i>titleInfo/title</i> replaces the <i>extension</i> element with sub-elements <i>affiliation</i> and <i>displayLabel</i> for contract, project and programme as from Swepub MODS 3.0
<b>List of values</b>	grantAgreement; project; initiative; programme
<b>Discussion</b>	<p>The element <i>relatedItem</i> is repeatable, so any combination of contracts, projects and programmes may be entered for each publication record.</p> <p>The value of the <i>title</i> sub-element is preferably the name of the project.</p>

15.1. Contract, project and programme identifiers	
<b>Element name</b>	identifier
<b>Purpose</b>	To make analysis of results of projects, programmes and strategic initiatives possible by linking publication output to contract numbers
<b>Sub-elements</b>	-
<b>Attributes</b>	type
<b>Usage</b>	O- Optional
<b>Praxis</b>	Use registered contract numbers from the research funder as identifiers of the project, contract or strategic initiative together with the source of the identifier
<b>Motivation</b>	To make analysis of results of projects, programmes and strategic initiatives possible
<b>Code example</b>	<pre>&lt;relatedItem type="host"&gt;   &lt;genre&gt;project&lt;/genre&gt;   &lt;titleInfo&gt;     &lt;title&gt;An experimental view on the molecular phase space&lt;/title&gt;   &lt;/titleInfo&gt;   &lt;identifier type="swecris"&gt;2017-05336&lt;/identifier&gt; &lt;/relatedItem&gt;  &lt;relatedItem type="host"&gt;   &lt;genre&gt;grantAgreement&lt;/genre&gt;   &lt;titleInfo&gt;     &lt;title&gt;Optimized public procurement of bus transports&lt;/title&gt;   &lt;/titleInfo&gt;</pre>

	<pre> &lt;identifier type="swecris"&gt;SM11-0044&lt;/identifier&gt; &lt;/relatedItem&gt;  &lt;relatedItem type="host"&gt; &lt;genre&gt;project&lt;/genre&gt; &lt;titleInfo&gt; &lt;title&gt;CARER-projekt&lt;/title&gt; &lt;/titleInfo&gt; &lt;identifier type="liu"&gt;zxc456&lt;/identifier&gt; &lt;/relatedItem&gt;  &lt;relatedItem type="host"&gt; &lt;genre&gt;programme&lt;/genre&gt; &lt;titleInfo&gt; &lt;title&gt;Horizon 2020&lt;/title&gt; &lt;/titleInfo&gt; &lt;identifier type="cordis"&gt;horizon2020&lt;/identifier&gt; &lt;/relatedItem&gt; </pre>
<b>Version/date</b>	3.0 / 2019-08-20 [Checked 2019-08-20]
<b>New</b>	The <i>identifier</i> sub-element replaces the <i>authority</i> and <i>valueURI</i> attributes for contract, project and programme as from Swepub MODS 3.0
<b>Discussion</b>	<p>The Swedish national system Swecris can be pointed out as <i>identifier type</i> only if the contract number is registered in Swecris. The list of participating research funding bodies in Swecris: <a href="https://www.swecris.se/en_us/about/">https://www.swecris.se/en_us/about/</a>. Use preferably together with information on funder to avoid eventual duplicate identifiers; see <a href="#">15.2 Project funders</a>.</p> <p>Any organisation wishing to make analyses on projects or initiatives not registered in Swecris will have to state itself as <i>identifier type</i> according to the following:</p> <pre> &lt;relatedItem type="host"&gt; &lt;genre&gt;project&lt;/genre&gt; &lt;titleInfo&gt; &lt;title&gt;CARER-projekt&lt;/title&gt; &lt;/titleInfo&gt; &lt;identifier type="liu"&gt;zxc456&lt;/identifier&gt; &lt;/relatedItem&gt; </pre> <p>For EU-financed projects it is recommended that the EU Community Research and Development Information Service – Cordis – is given as <i>identifier type</i>:</p> <pre> &lt;relatedItem type="host"&gt; &lt;genre&gt;project&lt;/genre&gt; &lt;titleInfo&gt; &lt;title&gt;OpenAIREplus&lt;/title&gt; &lt;/titleInfo&gt; &lt;identifier type="cordis"&gt;EC/FP7/283595&lt;/identifier&gt; &lt;/relatedItem&gt; </pre>

## 15.2. Project funders

<b>Element name</b>	name
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<b>Purpose</b>	To make linking of results of projects, programmes and strategic initiatives with funders possible
<b>Sub-elements</b>	namePart; nameIdentifier (type isni; fundref; grid; ringgold; uri); role (including sub-element roleTerm)
<b>Attributes</b>	type (corporate); lang
<b>Usage</b>	O- Optional
<b>Praxis</b>	Use the name of the funder together with name identifier and role <i>fnd</i>
<b>Motivation</b>	To make analysis of results of projects, programmes and strategic initiatives possible
<b>Code example</b>	<pre>&lt;relatedItem type="host"&gt;   &lt;genre&gt;project&lt;/genre&gt;   &lt;titleInfo&gt;     &lt;title&gt;An experimental view on the molecular phase space&lt;/title&gt;   &lt;/titleInfo&gt;   &lt;identifier type="swecris"&gt;2017-05336&lt;/identifier&gt;   &lt;name type="corporate"&gt;     &lt;namePart lang="swe"&gt;<b>Vetenskapsrådet</b>&lt;/namePart&gt;     &lt;nameIdentifier type="isni"&gt;0000 0001 1504 <b>010X</b>&lt;/nameIdentifier&gt;     &lt;role&gt;       &lt;roleTerm type="code"         authority="marcrelator"&gt;<b>fnd</b>&lt;/roleTerm&gt;     &lt;/role&gt;   &lt;/name&gt; &lt;/relatedItem&gt;</pre>
<b>Version/date</b>	3.0 / 2019-08-20 [Checked 2019-08-20]
<b>New</b>	The possibility to mark funder for contracts, projects and programmes is new as from Swepub MODS 3.0
<b>Discussion</b>	Marking the funder for contracts, projects and programmes makes it easier to link between the local funder identifiers used in SweCRIS. Use preferably <i>nameIdentifier</i> ISNI to identify funders. In other case, use FundRef ID, GRID, Ringgold or the domain name as URI.

15.3. Strategic research area initiatives	
<b>Element name</b>	note
<b>Purpose</b>	To make analysis of results of national strategic research area initiatives possible by linking publication output to strategic research area
<b>Sub-elements</b>	-
<b>Attributes</b>	type (sfo)
<b>Usage</b>	O- Optional
<b>Praxis</b>	Use with publications that should be marked for analysis as results of strategic research area initiatives

<b>Motivation</b>	To make analysis of results of strategic research area initiatives possible
<b>Code example</b>	<pre>&lt;relatedItem type="host"&gt;   &lt;genre&gt; ... &lt;/genre&gt;   &lt;titleInfo&gt;     &lt;title&gt; ... &lt;/title&gt;   &lt;/titleInfo&gt;   &lt;identifier type="..."&gt; ... &lt;/identifier&gt;   &lt;note type="sfo"&gt;E-vetenskap&lt;/note&gt; &lt;/relatedItem&gt;</pre>
<b>Version/date</b>	3.0 / 2019-08-17 [Checked 2019-08-0]
<b>New</b>	Possibility to mark-up national strategic research area initiatives is new as from Swepub MODS 3.0
<b>Discussion</b>	The value of the <i>note type="sfo"</i> attribute is preferably the name of the strategic research area, as fetched from the source of the financial information

16. Event	
<b>Element name</b>	relatedItem
<b>Purpose</b>	Container for information about the event related to the described work
<b>Sub-elements</b>	genre; title; identifier; originInfo
<b>Attributes</b>	type (host)
<b>Usage</b>	O - Optional
<b>Repeatable</b>	Yes
<b>Praxis</b>	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.
<b>Motivation</b>	To make linking to related events possible
<b>Code example</b>	<pre>&lt;relatedItem type="host"&gt;   &lt;genre&gt;event&lt;/genre&gt;   &lt;titleInfo&gt;     &lt;title&gt;GLOW conference&lt;/title&gt;     &lt;partNumber&gt;41&lt;/partNumber&gt;   &lt;/titleInfo&gt;   &lt;identifier     type="uri"&gt;https://glow2017.wordpress.com/&lt;/identifier&gt;   &lt;originInfo&gt;     &lt;dateIssued&gt;2017&lt;/dateIssued&gt;   &lt;/originInfo&gt; &lt;/relatedItem&gt;</pre>
<b>Version/date</b>	3.0 / 2019-09-24 [Checked 2019-09-24]
<b>New</b>	New as from Swepub MODS 3.0
<b>Discussion</b>	A structured way to supply information on related events supports describing of artistic and conference output.

	The value of the <i>title</i> attribute is preferably the name of the event, as fetched from the event page or programme.
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17. *Publication date, publisher and edition	
<b>Element name</b>	originInfo
<b>Purpose</b>	Container element for information about the origin of the resource
<b>Sub-elements</b>	publisher; place; dateIssued; dateOther; edition
<b>Attributes</b>	-
<b>Usage</b>	M - Mandatory
<b>Repeatable</b>	Yes
<b>Code example</b>	<pre>&lt;originInfo&gt;   &lt;dateIssued&gt; ... &lt;/dateIssued&gt;   &lt;dateOther&gt; ... &lt;/dateOther&gt;   &lt;publisher&gt; ... &lt;/publisher&gt;   &lt;place&gt;     &lt;placeTerm&gt; ... &lt;/placeTerm&gt;   &lt;/place&gt;   &lt;edition&gt; ... &lt;/edition&gt; &lt;/originInfo&gt;</pre>
<b>Version/date</b>	2.0, 3.0 / 2012-10-10, 2019-08-20 [Checked 2019-08-20]

17.1. */-Publication date	
<b>Element name</b>	dateIssued
<b>Purpose</b>	The date or year the resource was published
<b>Sub-elements</b>	-
<b>Attributes</b>	-
<b>Usage</b>	A – Mandatory if the publication is formally published
<b>Repeatable</b>	No
<b>Praxis</b>	<p>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.</p> <p>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.</p>
<b>Motivation</b>	This data is vital for time-based statistical analysis
<b>Code example</b>	<pre>&lt;originInfo&gt;   &lt;dateIssued&gt;1994&lt;/dateIssued&gt; &lt;/originInfo&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Amended 2014-08-29, updated 2019-09-26]

<b>List of values</b>	ISO 8601
<b>Discussion</b>	Publication date is mandatory only for formally published publications. For publication records with a <i>note type</i> ="publicationStatus" with a value other than "Published," publication date is optional.

17.1.1. Date other	
<b>Element name</b>	dateOther
<b>Purpose</b>	Other date or year related to the form of availability of the resource
<b>Sub-elements</b>	-
<b>Attributes</b>	type (available; defence; digitized; online; openAccess); point (start)
<b>Usage</b>	O – Optional
<b>Repeatable</b>	Yes
<b>Praxis</b>	<p>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.</p> <p>Use dateOther type="defence" for dissertation dates.</p> <p>Use dateOther type="digitized" for date of digitalization.</p> <p>Use dateOther type="online" for output published online first / ahead of print.</p> <p>Use dateOther type="openAccess" for startdate of availability as an open resource.</p> <p>Use dateOther type="available" for availability before the dissertation date, e.g.</p>
<b>Motivation</b>	For additional date regarding the availability of the resource if it differs from the official publication date
<b>Code example</b>	<pre>&lt;originInfo&gt;     &lt;dateOther type="openAccess" point="start"&gt;2017-06-01&lt;/dateOther&gt; &lt;/originInfo&gt;  &lt;originInfo&gt;     &lt;dateOther type="online" point="start"&gt;2015&lt;/dateOther&gt; &lt;/originInfo&gt;</pre>
<b>Version/date</b>	3.0 / 2019-09-26 [Checked 2019-09-26]
<b>List of values</b>	ISO 8601
<b>New</b>	New as from Swepub MODS 3.0
<b>Discussion</b>	Information about the date when the resource was available can be used for monitoring, for example regarding open access publishing.

17.2. */-Publisher	
<b>Element name</b>	publisher
<b>Purpose</b>	The name of the organisation that is responsible for the dissemination of the resource
<b>Sub-elements</b>	-
<b>Attributes</b>	-
<b>Usage</b>	A – Mandatory if applicable
<b>Repeatable</b>	Yes
<b>Praxis</b>	Use whenever publisher information for the resource is available
<b>Motivation</b>	Used in publication channel analysis
<b>Code example</b>	<pre>&lt;originInfo&gt;     &lt;publisher&gt;Cambridge University Press&lt;/publisher&gt; &lt;/originInfo&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]

17.3. Place	
<b>Element name</b>	place (with sub-element placeTerm)
<b>Purpose</b>	The geographic location of the publisher
<b>Sub-elements</b>	placeTerm
<b>Attributes</b>	-
<b>Usage</b>	O - Optional
<b>Repeatable</b>	Yes
<b>Code example</b>	<pre>&lt;originInfo&gt;     &lt;place&gt;         &lt;placeTerm&gt;Cambridge&lt;/placeTerm&gt;     &lt;/place&gt; &lt;/originInfo&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]

17.4. Edition	
<b>Element name</b>	edition
<b>Purpose</b>	Information identifying the version of the resource
<b>Sub-elements</b>	-
<b>Attributes</b>	-
<b>Usage</b>	O - Optional
<b>Repeatable</b>	Yes

<b>Code example</b>	<originInfo> <edition>2nd edition</edition> </originInfo>
<b>Version/date</b>	3.0 / 2019-08-20 [Checked 2019-08-20]
<b>New</b>	New as from Swepub MODS 3.0

18. */-Source	
<b>Element name</b>	relatedItem
<b>Purpose</b>	Container for information about serial or monographic work of which the described work is a part
<b>Sub-elements</b>	titleInfo; identifier; part
<b>Attributes</b>	type (host; series)
<b>Usage</b>	A – Mandatory when the resource is published as a part of another work
<b>Repeatable</b>	Yes
<b>Praxis</b>	Supply the title and DOI/ISBN/ISSN for the host publication, and volume, issue and pages where applicable
<b>Motivation</b>	Information about source publication is important for channels analysis
<b>Code example</b>	<pre>&lt;relatedItem ...&gt;     &lt;titleInfo&gt;         &lt;title&gt; ... &lt;/title&gt;     &lt;/titleInfo&gt;     &lt;identifier type="issn"&gt; ... &lt;/identifier&gt;     &lt;part&gt;         &lt;detail type="volume"&gt;             &lt;number&gt; ... &lt;/number&gt;         &lt;/detail&gt;         &lt;detail type="issue"&gt;             &lt;number&gt; ... &lt;/number&gt;         &lt;/detail&gt;         &lt;extent&gt;             &lt;start&gt; ... &lt;/start&gt;             &lt;end&gt; ... &lt;/end&gt;         &lt;/extent&gt;     &lt;/part&gt; &lt;/relatedItem&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Revised 2014-08-29, updated 2019-08-20]

18.1. */-Journal or book as source	
<b>Element name</b>	relatedItem (type host)
<b>Purpose</b>	Container for information about serial or monographic work of which the described work is a part
<b>Sub-elements</b>	titleInfo; identifier; part

<b>Attributes</b>	type (host)
<b>Usage</b>	A – Mandatory when the resource is a part of another work
<b>Repeatable</b>	Yes
<b>Praxis</b>	Supply the title and DOI/ISBN/ISSN for the host publication, and volume, issue and pages where applicable
<b>Motivation</b>	Information about source publication is important for channels analysis
<b>Code example</b>	<pre>&lt;relatedItem type="host"&gt;   &lt;titleInfo&gt;     &lt;title&gt; ... &lt;/title&gt;   &lt;/titleInfo&gt;   &lt;identifier type="issn"&gt; ... &lt;/identifier&gt;   &lt;part&gt;     &lt;detail type="volume"&gt;       &lt;number&gt; ... &lt;/number&gt;     &lt;/detail&gt;     &lt;detail type="issue"&gt;       &lt;number&gt; ... &lt;/number&gt;     &lt;/detail&gt;     &lt;extent&gt;       &lt;start&gt; ... &lt;/start&gt;       &lt;end&gt; ... &lt;/end&gt;     &lt;/extent&gt;   &lt;/part&gt; &lt;/relatedItem&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Updated 2015-05-13, 2019-08-20]

18.2. */-Series as source	
<b>Element name</b>	relatedItem (type series)
<b>Purpose</b>	Container for information about a series of publications of which the described resource is a part
<b>Sub-elements</b>	titleInfo; identifier
<b>Attributes</b>	type (series)
<b>Usage</b>	A – Mandatory when the resource is a part of a series
<b>Repeatable</b>	Yes
<b>Praxis</b>	Use when the publication is part of a series. Supply the title, part number and ISSN for the publication series where applicable
<b>Code example</b>	<pre>&lt;relatedItem type="series"&gt;   &lt;titleInfo&gt;     &lt;title&gt; ... &lt;/title&gt;     &lt;partNumber&gt; ... &lt;/partNumber&gt;   &lt;/titleInfo&gt;   &lt;identifier type="issn"&gt; ... &lt;/identifier&gt; &lt;/relatedItem&gt;</pre>
<b>Version/date</b>	2.0, 3.0 / 2012-10-10, 2019-09-26 [Checked 2019-09-26]

<b>New</b>	Use the <i>partNumber</i> sub-element instead of <i>identifier</i> for issue number as from Swepub MODS 3.0
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<b>18.3. */-Source title</b>	
<b>Element name</b>	titleInfo (and sub-element title)
<b>Purpose</b>	Container for source title information
<b>Sub-elements</b>	title
<b>Attributes</b>	-
<b>Usage</b>	A – Mandatory if applicable
<b>Repeatable</b>	Yes
<b>Praxis</b>	Use full titles of journals and source publications
<b>Code example</b>	<pre>&lt;relatedItem ... &gt;   &lt;titleInfo&gt;     &lt;title&gt;Journal of Applied Ecology&lt;/title&gt;   &lt;/titleInfo&gt; &lt;/relatedItem&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]

<b>18.4. */-Source identifiers</b>	
<b>Element name</b>	identifier
<b>Purpose</b>	Use to identify the source publication and match it uniquely against lists of publication channels
<b>Sub-elements</b>	-
<b>Attributes</b>	type (doi, isbn, issn, libris, worldcat); displayLabel
<b>Usage</b>	A – Mandatory if applicable
<b>Repeatable</b>	Yes
<b>Praxis</b>	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. DOI's with https-prefix are accepted but an enhancement to https-URI will be done in Swepub.
<b>Motivation</b>	This is an important element for the matching of publication channels
<b>Code example</b>	<pre>&lt;relatedItem ... &gt;   &lt;identifier type="issn" displayLabel="PISSN"&gt;1057-   9478&lt;/identifier&gt;   &lt;identifier type="issn" displayLabel="EISSN"&gt;1057-   9445&lt;/identifier&gt; &lt;/relatedItem&gt;</pre>
<b>Version/date</b>	2.0, 3.0 / 2012-10-10, 2019-08-20 [Checked 2019-08-20]

<b>New</b>	The <i>displayLabel</i> attribute is new as from Swepub MODS 3.0
<b>List of values</b>	Controlled list of identifier types: doi; isbn; issn; libris; worldcat
<b>Discussion</b>	<p><i>identifier type="isbn"/"issn"</i> 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 <i>displayLabel</i>.</p>

<b>18.5. */-Source volume, issue and pages</b>	
<b>Element name</b>	part
<b>Purpose</b>	Container for information about volume, issue and pages in the source publication
<b>Sub-elements</b>	detail; extent
<b>Attributes</b>	-
<b>Usage</b>	A – Mandatory if applicable
<b>Repeatable</b>	Yes
<b>Code example</b>	<pre>&lt;relatedItem type="host"&gt;   &lt;part&gt;     &lt;detail type="volume"&gt;       &lt;number&gt;31&lt;/number&gt;     &lt;/detail&gt;     &lt;detail type="issue"&gt;       &lt;number&gt;3&lt;/number&gt;     &lt;/detail&gt;     &lt;extent&gt;       &lt;start&gt;11&lt;/start&gt;       &lt;end&gt;23&lt;/end&gt;     &lt;/extent&gt;   &lt;/part&gt; &lt;/relatedItem&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]

<b>18.5.1. */-Source volume, issue and article number</b>	
<b>Element name</b>	detail
<b>Purpose</b>	Container for information about volume, issue and article number in the source publication
<b>Sub-elements</b>	-
<b>Attributes</b>	type (volume; issue; artNo; citation)
<b>Usage</b>	A – Mandatory if applicable
<b>Repeatable</b>	Yes

<b>Praxis</b>	Supply source volume, issue and article number as a numeric value or other designation as fetched from the source
<b>Motivation</b>	Relevant for reference lists
<b>Code example</b>	<pre>&lt;relatedItem type="host"&gt;   &lt;part&gt;     &lt;detail type="volume"&gt;       &lt;number&gt;31&lt;/number&gt;     &lt;/detail&gt;     &lt;detail type="issue"&gt;       &lt;number&gt;3&lt;/number&gt;     &lt;/detail&gt;     &lt;detail type="artNo"&gt;       &lt;number&gt;5&lt;/number&gt;     &lt;/detail&gt;     &lt;detail type="citation"&gt;       &lt;caption&gt;Vol. 31, no. 3, article no. 5&lt;/caption&gt;     &lt;/detail&gt;   &lt;/part&gt; &lt;/relatedItem&gt;</pre>
<b>Version/date</b>	2.0, 3.0 / 2012-10-10, 2019-08-20 [Checked 2019-08-20]
<b>Discussion</b>	<p>The <i>detail type= "citation"</i> with <i>caption</i> is to be used as an alternative to <i>detail type="volume"/"issue"</i> and <i>extent</i> when splitting over several elements is impractical.</p> <p>The <i>detail type="artNo"</i> was introduced as from Swepub MODS 2.6 to be used with sources which have article numbers instead of paging.</p>

18.5.2. */-Source start and end page	
<b>Element name</b>	extent (with sub-elements start and end)
<b>Purpose</b>	Container for start and end pages in the source publication
<b>Sub-elements</b>	start; end
<b>Attributes</b>	-
<b>Usage</b>	A – Mandatory if applicable
<b>Repeatable</b>	Yes
<b>Praxis</b>	Supply source start and end page as a numeric value or other designation as fetched from the source
<b>Motivation</b>	Relevant for reference lists
<b>Code example</b>	<pre>&lt;relatedItem type="host"&gt;   &lt;part&gt;     &lt;extent&gt;       &lt;start&gt;11&lt;/start&gt;       &lt;end&gt;23&lt;/end&gt;     &lt;/extent&gt;   &lt;/part&gt; &lt;/relatedItem&gt;</pre>

<b>Version/date</b>	2.0 / 2012-10-10 [Updated 2014-10-24, 2019-08-20]
<b>Discussion</b>	The <i>detail type=</i> “citation” with <i>caption</i> is to be used as an alternative to <i>detail type=”volume”/”issue”</i> and <i>extent</i> when splitting over several elements is impractical

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

20. */-Location and accessibility	
<b>Element name</b>	location
<b>Purpose</b>	Container for location elements
<b>Sub-elements</b>	url
<b>Attributes</b>	-
<b>Usage</b>	A - Mandatory if applicable
<b>Repeatable</b>	Yes
<b>Praxis</b>	Use at container for URL's to the publication full text
<b>Motivation</b>	For accessing the publication full text
<b>Code example</b>	<pre>&lt;location&gt;   &lt;url&gt; ... &lt;/url&gt;</pre>

	</location>
<b>Version/date</b>	2.0 / 2012-10-10 [Updated 2019-08-20]

20.1. */-URL	
<b>Element name</b>	url
<b>Purpose</b>	URL's to the publication full text
<b>Sub-elements</b>	-
<b>Attributes</b>	usage; displayLabel; access (preview; raw object; object in context); note
<b>Usage</b>	A - Mandatory if applicable
<b>Repeatable</b>	Yes
<b>Praxis</b>	URL's with the attribute <i>usage</i> ="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 <i>usage</i> ="primary".
<b>Motivation</b>	For accessing the publication full text
<b>Code example</b>	<pre>&lt;location&gt;   &lt;url usage="primary" displayLabel="FULLTEXT" access="raw   object"&gt;http://hh.diva-   portal.org/smash/get/diva2:239322/FULLTEXT01&lt;/url&gt; &lt;/location&gt;</pre>
<b>Version/date</b>	2.4, 3.0 / 2014-05-05, 2019-08-20 [Checked 2019-08-20]
<b>New</b>	The attributes <i>displayLabel</i> and <i>note</i> are optional as from Swepub MODS 3.0. The optional attribute <i>access</i> is new as from Swepub MODS 3.0.
<b>Discussion</b>	<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 <i>usage</i>="primary".</p> <p>The attributes <i>displayLabel</i> and <i>note</i> are optional to use as additional information associated with the URL. For information about the access to full text, use the <i>accessCondition</i> element instead of the <i>note</i> attribute.</p> <p>The attribute <i>access</i> is optional to use to indicate the type of resource the URL link leads to. The following values may be used with the attribute <i>access</i>:</p> <ul style="list-style-type: none"> <li>• <b>preview</b>: Indicates a link to a thumbnail or snippet of text</li> <li>• <b>raw object</b>: Indicates a direct link to the object described (e.g. a pdf). Used only when the object is represented by a single file.</li> <li>• <b>object in context</b>: Indicates a link to the object within the context of its environment (with associated metadata, navigation, etc.)</li> </ul>

## 21. Access condition

<b>Element name</b>	accessCondition
<b>Purpose</b>	Container for access information about the publication
<b>Sub-elements</b>	-
<b>Attributes</b>	type; displayLabel
<b>Usage</b>	O - Optional
<b>Repeatable</b>	No
<b>Praxis</b>	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 <i>gratis</i> . For access condition upon e.g. payment, subscription, encryption, etc. select <i>restricted</i> .
<b>Motivation</b>	Access information will be used for statistics regarding open access publishing
<b>Code example</b>	<p>Free access:  &lt;accessCondition&gt;gratis&lt;/accessCondition&gt;</p> <p>Restricted access:  &lt;accessCondition&gt;restricted&lt;/accessCondition&gt;</p>
<b>Version/date</b>	3.0 / 2019-08-20 [Checked 2019-08-20]
<b>List values</b>	gratis; restricted
<b>New</b>	The <i>accessCondition</i> element is new as from Swepub MODS 3.0 and replaces <i>url note</i> as container for open access information
<b>Discussion</b>	The <i>accessCondition</i> element may be used for statistics regarding open access publishing although this information can also be retrieved from other data sources

### 21.1. Embargo

<b>Element name</b>	accessCondition (type restriction on access)
<b>Purpose</b>	Container for embargo information about the publication
<b>Sub-elements</b>	-
<b>Attributes</b>	type (restriction on access); displayLabel (embargo)
<b>Usage</b>	O - Optional
<b>Repeatable</b>	Yes
<b>Praxis</b>	Use for information about embargo together with the date for the end of the embargo period

<b>Motivation</b>	Information about embargo may be used for statistics regarding open access publishing
<b>Code example</b>	<accessCondition type="restriction on access" displayLabel="embargo">2019-01-01 </accessCondition>
<b>Version/date</b>	3.0 / 2019-08-20 [Checked 2019-08-20]
<b>New</b>	The type <i>restriction on access</i> replaces <i>url note</i> as container for information about embargo as from Swepub MODS 3.0
<b>Discussion</b>	Information about embargo may be used for statistics regarding open access publishing

21.2. License	
<b>Element name</b>	accessCondition (type use and reproduction)
<b>Purpose</b>	Container for license information about the publication
<b>Sub-elements</b>	-
<b>Attributes</b>	type (use and reproduction); xlink:href
<b>Usage</b>	O - Optional
<b>Repeatable</b>	Yes
<b>Praxis</b>	Supply link to license information
<b>Motivation</b>	License information will be used for statistics regarding open access publishing and for stating the rights for re-using
<b>Code example</b>	<accessCondition type="use and reproduction" xlink:href="http://creativecommons.org/licenses/by/3.0"> </accessCondition>
<b>Version/date</b>	3.0 / 2019-09-24 [Checked 2019-09-26]
<b>New</b>	License information is new as from Swepub MODS 3.0
<b>Discussion</b>	According to the FAIR principles license information is needed as information about the rights for re-using.  License information can also be used for statistics regarding open access publishing although this information can even be retrieved from other data sources.

22. */-Physical description	
<b>Element name</b>	physicalDescription
<b>Purpose</b>	Container for the physical description of the resource
<b>Sub-elements</b>	form; extent
<b>Attributes</b>	displayLabel

<b>Usage</b>	A – Mandatory if the item is published in a local repository
<b>Repeatable</b>	No
<b>Code example</b>	<physicalDescription> <form> ... </form> <extent> ... </extent> </physicalDescription>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]

22.1. */-Physical form	
<b>Element name</b>	form
<b>Purpose</b>	The physical form of the record item
<b>Sub-elements</b>	-
<b>Attributes</b>	authority (marcform)
<b>Usage</b>	A – Mandatory if the item is published digitally in a local repository
<b>Repeatable</b>	No
<b>Code example</b>	<physicalDescription> <form authority="marcform">electronic</form> </physicalDescription>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]
<b>List of values</b>	print; electronic

22.2. Physical extent	
<b>Element name</b>	extent
<b>Purpose</b>	The physical extent of the resource
<b>Sub-elements</b>	-
<b>Attributes</b>	-
<b>Usage</b>	O – Optional
<b>Repeatable</b>	No
<b>Code example</b>	<physicalDescription> <extent>1 bordsduk : blå- och vitrutig ; 90 x 90 cm</extent> </physicalDescription>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]

23. Type of resource	
<b>Element name</b>	typeOfResource
<b>Purpose</b>	Use to describe the media type of the resource

<b>Sub-elements</b>	-
<b>Attributes</b>	collection; manuscript; xsi:type (mods:stringPlusLanguagePlusAuthority); valueURI
<b>Usage</b>	O – Optional for media types other than text
<b>Repeatable</b>	Yes
<b>Praxis</b>	Use for resources with media types other than text
<b>Motivation</b>	To be used for analyses of output from artistic research
<b>Code example</b>	<typeOfResource>still image</typeOfResource>
<b>Version/date</b>	2.0, 3.0 / 2012-10-10, 2019-09-26 [Checked 2019-09-26]
<b>New</b>	The removal of controlled list restriction is new from Library of Congress MODS 3.7 and Swepub MODS 3.0
<b>Discussion</b>	<p>Controlled list restriction (<a href="http://www.loc.gov/standards/mods/mods-outline-3-5.html#typeOfResource">http://www.loc.gov/standards/mods/mods-outline-3-5.html#typeOfResource</a>) is removed as from Library of Congress MODS 3.7 and Swepub MODS 3.0.</p> <p>The <i>xsi:type="mods:stringPlusLanguagePlusAuthority"</i> inherits a general data type from the MODS schema and makes it possible to use the attribute <i>valueURI</i> for alternative controlled lists, e.g.</p> <p><a href="http://id.loc.gov/vocabulary/resourceTypes.html">http://id.loc.gov/vocabulary/resourceTypes.html</a> or  <a href="http://vocabularies.coar-repositories.org/documentation/resource_types/">http://vocabularies.coar-repositories.org/documentation/resource_types/</a></p> <p>Example of an alternative controlled list:</p> <pre>&lt;typeOfResource xsi:type="mods:stringPlusLanguagePlusAuthority" valueURI="<a href="http://vocabularies.coar-repositories.org/documentation/resource_types/">http://vocabularies.coar-repositories.org/documentation/resource_types/</a>"&gt;interactive resource&lt;/typeOfResource&gt;</pre>

## 24. Notes

<b>Element name</b>	note
<b>Purpose</b>	Use for extra information about the resource
<b>Sub-elements</b>	-
<b>Attributes</b>	lang; xmlns:xlink
<b>Usage</b>	O - Optional
<b>Repeatable</b>	Yes
<b>Code example</b>	<note xmlns:xlink="http://www.w3.org/1999/xlink">     Parallel text in Russian and English   </note>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]

## 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.

<b>Element name</b>	OAI-PMH
<b>Purpose</b>	The OAI-PMH protocol request header and wrapper for the full record set
<b>Sub-elements</b>	responseDate, request, ListRecords
<b>Attributes</b>	xmlns, xmlns:xsi, xsi:schemaLocation
<b>Usage</b>	M - Required for an OAI-PMH request
<b>Motivation</b>	Used to wrap a set of Swepub metadata records resulting from an OAI-PMH request
<b>Code example</b>	<pre>&lt;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"&gt;     &lt;responseDate&gt;... &lt;/responseDate&gt;     &lt;request verb="ListRecords" metadataPrefix="swepub_mods"              set="xx"&gt; ... &lt;/request&gt;     &lt;ListRecords&gt;         ...     &lt;/ListRecords&gt; &lt;/OAI-PMH&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]

25.1.1. *Response data	
<b>Element name</b>	responseDate
<b>Purpose</b>	Date of the transmission of data
<b>Sub-elements</b>	-
<b>Attributes</b>	-
<b>Usage</b>	M - Mandatory
<b>Motivation</b>	For statistics and house-keeping
<b>Code example</b>	<pre>&lt;OAI-PMH&gt;     &lt;responseDate&gt;2014-02-05T13:08:39Z&lt;/responseDate&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]

25.1.2. *Request	
<b>Element name</b>	request

<b>Purpose</b>	Information on the purpose of the request
<b>Sub-elements</b>	-
<b>Attributes</b>	verb, metadataPrefix, set
<b>Usage</b>	M - Mandatory
<b>Code example</b>	<pre>&lt;OAI-PMH&gt; &lt;request verb="ListRecords" metadataPrefix="swepub_mods"           set="xx"&gt;http://api.libris.kb.se/swepub/oaipmh &lt;/request&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]

25.1.3. *List of records	
<b>Element name</b>	ListRecords
<b>Purpose</b>	XML container for Swepub metadata records
<b>Sub-elements</b>	record
<b>Attributes</b>	metadataPrefix
<b>Usage</b>	M - Mandatory
<b>Code example</b>	<pre>&lt;OAI-PMH&gt;   &lt;ListRecords&gt;     &lt;record&gt; ... &lt;/record&gt;     &lt;record&gt; ... &lt;/record&gt;   &lt;/ListRecords&gt; &lt;/OAI-PMH&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]

25.1.3.1. *Metadata record	
<b>Element name</b>	record
<b>Purpose</b>	The XML container for the publication metadata record
<b>Sub-elements</b>	header, metadata
<b>Attributes</b>	-
<b>Usage</b>	M - Mandatory
<b>Motivation</b>	Container for parts of Swepub metadata record
<b>Code example</b>	<pre>&lt;OAI-PMH&gt;   &lt;ListRecords&gt;     &lt;record&gt;       &lt;header&gt;         ...       &lt;/header&gt;       &lt;metadata&gt;         ...       &lt;/metadata&gt;     &lt;/record&gt;   &lt;/ListRecords&gt; &lt;/OAI-PMH&gt;</pre>

<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]
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<b>25.1.3.2. *Record header</b>	
<b>Element name</b>	header
<b>Purpose</b>	Header for record metadata outside of MODS metadata
<b>Sub-elements</b>	identifier; datestamp; setSpec
<b>Attributes</b>	-
<b>Usage</b>	M - Mandatory
<b>Motivation</b>	Used to identify record and last modification data for incremental updates
<b>Code example</b>	<pre>&lt;OAI-PMH&gt;   &lt;ListRecords&gt;     &lt;record&gt;       &lt;header&gt;         &lt;identifier&gt;oai:DivA.org:mdh-40292&lt;/identifier&gt;         &lt;datestamp&gt;2018-07-27T11:00:05Z&lt;/datestamp&gt;         &lt;setSpec&gt;MDH_SWEPUB&lt;/setSpec&gt;       &lt;/header&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]
<b>Discussion</b>	Sub-elements identifier, datestamp and setSpec are not documented separately; only by example above to save space

<b>25.1.3.3. *Metadata</b>	
<b>Element name</b>	metadata
<b>Purpose</b>	XML container for MODS metadata
<b>Sub-elements</b>	mods
<b>Attributes</b>	-
<b>Usage</b>	M - Mandatory
<b>Motivation</b>	A single manifestation of the metadata from an item
<b>Code example</b>	<pre>&lt;OAI-PMH&gt;   &lt;ListRecords&gt;     &lt;record&gt;       &lt;metadata&gt;         ...       &lt;/metadata&gt;</pre>
<b>Version/date</b>	2.0 / 2012-10-10 [Checked 2019-08-20]

<b>25.1.3.4. *MODS root element</b>	
<b>Element name</b>	mods
<b>Purpose</b>	The MODS metadata wrapper
<b>Sub-elements</b>	All applicable MODS top-level elements and sub-elements

<b>Attributes</b>	xmlns, xmlns:xsi, xsi:schemaLocation
<b>Usage</b>	M - Mandatory
<b>Motivation</b>	Metadata wrapper with attributes specifying Library of Congress MODS metadata format and version as basis for Swepub MODS
<b>Code example</b>	<pre>&lt;OAI-PMH&gt;   &lt;ListRecords&gt;     &lt;record&gt;       &lt;metadata&gt;         &lt;mods xmlns="http://www.loc.gov/mods/v3" version="3.7"           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-3-7.xsd"&gt;           ...         &lt;/mods&gt;       &lt;/record&gt;     &lt;/ListRecords&gt; &lt;/OAI-PMH&gt;</pre>
<b>Version/date</b>	2.1, 3.0 / 2014-02-05, 2019-08-20 [Checked 2019-08-20]
<b>New</b>	MODS version 3.7 <sup>9</sup>
<b>Discussion</b>	MODS version > 3.7 is needed for removal of controlled-list restriction from typeOfResource so that any value may be supplied

## 25.2. Swepub MODS 3.0 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>2018-08-22T10:47:22Z</responseDate>
<request verb="GetRecord" metadataPrefix="swepub_mods" identifier="oai:DivA.org:mdh-40292">
  http://api.libris.kb.se/swepub/oaimph
</request>
<GetRecord>
  <record>
    <header>
      <identifier>oai:DivA.org:mdh-40292</identifier>
      <datestamp>2018-07-27T11:00:05Z</datestamp>
      <setSpec>MDH_SWEPUB</setSpec>
    </header>
    <metadata>
      <mods xmlns="http://www.loc.gov/mods/v3" version="3.7" 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-
3-7.xsd">
        <name xmlns:xlink="http://www.w3.org/1999/xlink" 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 xmlns:xlink="http://www.w3.org/1999/xlink" 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" xsi:type="stringPlusLanguagePlusAuthority"
            valueURI="mdh.se">Mälardalens högskola</affiliation>
        </name>
      </mods>
    </metadata>
  </record>
</GetRecord>
</OAI-PMH>
```

<sup>9</sup> <http://www.loc.gov/standards/mods/v3/mods-3-7.xsd>

```

<affiliation lang="swe" authority="mdh.se" xsi:type="stringPlusLanguagePlusAuthority" valueURI="mdh.se/16452">Hälso och välfärd</affiliation>
</name>
<name xmlns:xlink="http://www.w3.org/1999/xlink" 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">msk01</nameIdentifier>
  <role>
    <roleTerm type="code" authority="marcrelator">aut</roleTerm>
  </role>
<affiliation lang="swe" authority="kb.se" xsi:type="stringPlusLanguagePlusAuthority" valueURI="mdh.se">Mälardalens högskola</affiliation>
<affiliation lang="swe" authority="mdh.se" xsi:type="stringPlusLanguagePlusAuthority" valueURI="mdh.se/16452">Hälso 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 xmlns:xlink="http://www.w3.org/1999/xlink" authority="kb.se" type="outputType">publication/journal-article</genre>
<genre xmlns:xlink="http://www.w3.org/1999/xlink" authority="svep" type="publicationType">art</genre>
<genre xmlns:xlink="http://www.w3.org/1999/xlink" authority="svep" type="contentType">ref</genre>
<subject xmlns:xlink="http://www.w3.org/1999/xlink" lang="eng" authority="uka.se" xlink:href="303">
  <topic>Medical and Health Sciences</topic>
  <topic>Health Sciences</topic>
</subject>
<subject xmlns:xlink="http://www.w3.org/1999/xlink" lang="swe" authority="uka.se" xlink:href="303">
  <topic>Medicin och hälsoteknik</topic>
  <topic>Hälsotekniker</topic>
</subject>
<subject xmlns:xlink="http://www.w3.org/1999/xlink" lang="swe" authority="sao" valueURI="https://id.kb.se/term/sao/Familjefokuserad%20omv%C3%A5rdnad">
  <topic>Familjefokuserad omvårdnad</topic>
</subject>
<subject xmlns:xlink="http://www.w3.org/1999/xlink" lang="eng" authority="lchs" valueURI="http://id.loc.gov/authorities/subjects/sh88002062">
  <topic>Family nursing</topic>
</subject>
<subject xmlns:xlink="http://www.w3.org/1999/xlink" lang="eng">
  <topic>Centeredness</topic>
</subject>
<subject xmlns:xlink="http://www.w3.org/1999/xlink" lang="eng">
  <topic>Child-centered care</topic>
</subject>
<subject xmlns:xlink="http://www.w3.org/1999/xlink" lang="eng">
  <topic>Concept analysis</topic>
</subject>
<subject xmlns:xlink="http://www.w3.org/1999/xlink" lang="eng">
  <topic>Family-centered care</topic>
</subject>
<subject xmlns:xlink="http://www.w3.org/1999/xlink" lang="eng">
  <topic>Person-centered care</topic>
</subject>
<originInfo xmlns:xlink="http://www.w3.org/1999/xlink">
  <publisher>W.B. Saunders</publisher>
  <dateIssued>2018</dateIssued>
  <dateOther type="online" point="start">2018-07-10</dateOther>
</originInfo>
<relatedItem xmlns:xlink="http://www.w3.org/1999/xlink" type="host">
  <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>
    <detail type="volume">
      <number>42</number>
    </detail>
    <extent>
      <start>45</start>
      <end>56</end>
    </extent>
  </part>
</relatedItem>

```

```

</extent>
</part>
</relatedItem>
<identifier xmlns:xlink="http://www.w3.org/1999/xlink"
  type="uri">http://urn.kb.se/resolve?urn=urn:nbn:se:mdh:diva-40292</identifier>
<identifier xmlns:xlink="http://www.w3.org/1999/xlink"
  type="doi">10.1016/j.pedn.2018.07.001</identifier>
<identifier xmlns:xlink="http://www.w3.org/1999/xlink" type="scopus">2-s2.0-
85049879186</identifier>
<identifier xmlns:xlink="http://www.w3.org/1999/xlink" type="pmid">30219299</identifier>
<language xmlns:xlink="http://www.w3.org/1999/xlink">
  <languageTerm type="code" authority="iso639-2b">eng</languageTerm>
</language>
<location>
  <url>https://www.sciencedirect.com/science/article/pii/S0882596318301763?via%3Dihub</url>
</location>
<accessCondition>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. Conclusion: It appears at a conceptual level that the concepts of centeredness contain both similarities and differences. Finding ways to structure nursing and focus the care that respects a person's dignity and humanity is essential in healthcare and should be a major goal of health policy and health systems worldwide. Implications: The identification of the antecedents and attributes embedded in the concepts may help raise professionals' awareness of the different foci and how this will influence one's practice. There is a need to recognize strengths and weaknesses of the centeredness in different settings and environments. Furthermore, it is important to know which approach to apply within different situations so that quality care is enabled for every person, child and family.
</abstract>
<note xmlns:xlink="http://www.w3.org/1999/xlink" type="creatorCount">3</note>
<physicalDescription xmlns:xlink="http://www.w3.org/1999/xlink">
  <form authority="marcform">print</form>
</physicalDescription>
<note xmlns:xlink="http://www.w3.org/1999/xlink" type="publicationStatus">Published</note>
<relatedItem type="host">
  <genre>programme</genre>
  <titleInfo>
    <title>Programstöd Vård : Föräldrastöd och barncentrerad vård – utveckling, utvärdering och implementering i praktisk verksamhet</title>
  <titleInfo>
    <identifier type="swecris">2013-02101</identifier>
    <name type="corporate">
      <namePart lang="swe">Forte</namePart>
      <nameIdentifier type="isni">0000 0001 2221 9167</nameIdentifier>
      <role>
        <roleTerm type="code" authority="marcrelator">fnd</roleTerm>
      </role>
    </name>
  </relatedItem>
  <recordInfo xmlns:xlink="http://www.w3.org/1999/xlink">
    <recordContentSource>mdh</recordContentSource>
    <recordCreationDate>2018-07-26</recordCreationDate>
  </recordInfo>
  </mods>
  </metadata>
</record>
</GetRecord>
</OAI-PMH>

```

