MODS Elements – as Utilized by UFDC

Abstract

- Definition: a summary of the content of the resource.
- Attributes
  - type
  - displayLabel
  - lang
- MARC → MODS Mapping:
  - 520
- Examples:

```
<mods:abstract type="summary" displayLabel="Summary Abstract" lang="en">
      This is a sample abstract
</mods:abstract>

<mods:abstract lang="fin">Tämä on esimerkki abstrakteja</mods:abstract>
```

AccessCondition

- Definition: information about restrictions imposed on access to a resource
- Attributes
  - type (suggested value: *restriction on access* ; *use and reproduction*)
  - displayLabel
  - lang
- MARC → MODS Mapping:
  - Generally maps from 506, 540
  - Not importing from MARC, because the MARC record is the book record.
- Example:

```
<mods:accessCondition type="restrictions on access" displayLabel="Rights" lang="en">All rights are
reserved by source institution.</mods:accessCondition>
```

Genre

- Definition: term(s) that designates a category characterizing a particular style, form, or content, such as artistic, musical, literary composition, etc
- Attributes
  - authority
  - lang
- MARC → MODS Mapping:
  - 655 (655 also maps in a faceted way into subjectInfo)
  - LDR, 008
- Examples:

```
<mods:genre authority="lcsh">Children's </mods:genre>

<mods:genre>Publishers' advertisement</mods:genre>
```

Identifier

- Definition: unique standard number or code that distinctively identifies a resource.
- Attributes
  - type (uncontrolled)
  - displayLabel
- MARC → MODS Mapping:
  - 001 → ALEPH or OCLC
  - 010 → LCCN
  - 020 → ISBN
  - 022 → ISSN
  - 024
  - 035
  - 440 |x → ISSN
  - 490 |l → LCCN
  - 490 |x → ISSN
  - 776 10 |w
- Examples:

```
<mods:identifier type="OCLC" displayLabel="Electronic OCLC">000123234</mods:identifier>
```

```
<mods:identifier type="DOI">182-asdsd-28k</mods:identifier>
```

Language

- Definition: a designation of the language in which the content of a resource is expressed
- SubElements
  - languageTerm
    - Attributes
      - type (*code* or *text*)
      - authority (*rfc3066* or *iso639-2b*)
- MARC → MODS Mapping:
  - 008
- Examples:

```
<mods:language>
    <mods:languageTerm type="text">English</mods:languageTerm>
    <mods:languageTerm type="code" authority="rfc3066">en</mods:languageTerm>
</mods:language>

<mods:language>
    <mods:languageTerm type="text">Finnish</mods:languageTerm>
</mods:language>

<mods:language>
    <mods:languageTerm type="code" authority="iso639-2b">ita</mods:languageTerm>
</mods:language>
```

Location

- Definition: Identifies the institution or repository holding the resource, or a remote location in the form of a URL
- SubElements
  - physicalLocation
    - Attributes
      - type (*code* or *text*)
  - url

        - Attributes
            - access (*object in context*)
            - displayLabel
            - note
- MARC → MODS Mapping:
    - Generally maps from 852
    - Not importing from MARC, because the MARC record is the book record.
- Example:

```
<mods:location>
    <mods:physicalLocation>From the Private Library of Mark Sullivan</mods:physicalLocation>
    <mods:physicalLocation type="code">MVS</mods:physicalLocation>
    <mods:url access="object in context">http://www.uflib.ufl.edu/ufdc/?b=CA00000000</mods:url>
    <mods:url displayLabel="Specimen Information" note="Specimen FLAS 125342 Database">
            http://www.fnhm.edu
    </mods:url>
    <mods:url displayLabel="Finding Guide" note="Digital Library Center Finding Guide">
            http://www.uflib.ufl.edu/digital/
    </mods:url>
</mods:location>
```

Name

- Definition: Name of a person, organization, or event associated in some way with the resource
- Attributes
    - type (*personal*, *corporate*, *conference*)
    - ID
- SubElements
    - namePart
        - Attributes
            - type (*given*, *family*, *termsOfAddress*, *date*)
    - displayForm
    - affiliation
    - description
    - role
        - SubElements
            - roleTerm

        - Attributes
            - type (*text*, *code*)
            - authority (*marcrelator*)

- MARC → MODS Mapping
    - 100, 700, 796 #3 → personal
    - 110, 710, 797 #3 → corporate
    - 111, 711 → conference
- Examples:

```
<mods:name type="personal">
    <mods:namePart>Brown, B.F.</mods:namePart>
    <mods:namePart type="termsOfAddress">Dr.</mods:namePart>
    <mods:displayForm>B.F. Brown</mods:displayForm>
    <mods:affiliation>Chemistry Dept., American University</mods:affiliation>
    <mods:description>Chemistry Professor Emeritus</mods:description>
    <mods:role>
        <mods:roleTerm>Main Entity</mods:roleTerm>
        <mods:roleTerm type="text">Author</mods:roleTerm>
        <mods:roleTerm type="code" authority="marcrelator">aut</mods:roleTerm>
    </mods:role>
</mods:name>

<mods:name type="personal">
    <mods:namePart type="given">John Paul</mods:namePart>
    <mods:namePart type="date">1920-2002</mods:namePart>
    <mods:namePart type="termsOfAddress">Pope, II</mods:namePart>
</mods:name>

<mods:name type="conference">
    <mods:namePart>Paris Peace Conference (1919-1920)</mods:namePart>
    <mods:namePart type="date">1919-1920</mods:namePart>
</mods:name>

<mods:name type="corporate">
    <mods:namePart>United States | Court of Appeals (2nd Court)</mods:namePart>
</mods:name>

<mods:name type="personal" ID="NAM4">
    <mods:namePart>Wilson, Mary</mods:namePart>
    <mods:namePart type="given">Mary</mods:namePart>
    <mods:namePart type="family">Wilson</mods:namePart>
    <mods:namePart type="termsOfAddress">2nd</mods:namePart>
```

```
        <mods:displayForm>Mary 'Weels' Wilson</mods:displayForm>
        <mods:role>
            <mods:roleTerm type="text">illustrator</mods:roleTerm>
            <mods:roleTerm type="text">cartographer</mods:roleTerm>
        </mods:role>
    </mods:name>
```

Note

- Definition: General textual information relating to a resource
- Attributes
    - type (large controlled list)
    - displayLabel
- MARC → MODS Mapping:
    - 362 → publication dates or sequential designation notes
    - 502 → thesis
    - 504 → bibliography
    - 506 → restriction
    - 508 → creation credits
    - 510 → citation reference
    - 511 → performers
    - 515 → numbering peculiarities note
    - 518 → date / venue
    - 524 → preferred citation
    - 530 → additional physical form
    - 534 → original version
    - 535 → original location
    - 536 → funding note
    - 538 → system details
    - 541 → acquisition
    - 545 → biographical note
    - 546 → language note
    - 550 → issuing body note
    - 561 → ownership note
    - 581 → publications note
    - 245 |c → statement of responsibility

    - 500, 501, 513, 522, 525, 563, 565, 567, 586 → general note
- Examples:

```
<mods:note type="funding">Funded by the NEH</mods:note>

<mods:note>Based on a play which originally appeared in France as &quot;Un peu plus tard, un peu
plus tôt&quot;</mods:note>

<mods:note type="performers" displayLabel="Performed By">Anne Baxter (Louise), Maria Perschy
(Angela), Gustavo Rojo (Bill), Reginald Gilliam (Mr. Johnson), Catherine Elliot? (Aunt Sallie),
Ben Tatar (waiter)</mods:note>
```

OriginInfo

- Definition: Information about the origin of the resource, including place of origin or publication, publisher/originator, and dates associated with the resource
- SubElements
    - publisher
    - dateIssued
        - Attributes
            - encoding (*marc*)
            - point (*start*, *end*)
    - copyrightDate
    - edition
    - freqeuency
        - Attributes
            - Authority (*marcfrequency*)
    - place
        - SubElements
            - placeTerm
                - Attributes
                - type (*code*, *text*)
                - authority (*marccountry*, *iso3166*)
- MARC → MODS Mapping
    - 260 |a → place published
    - 260 |b → publisher
    - 260 |c → date issued

    - 008 → date issued (marc encoding)
    - 250 → edition
    - 310 → frequency
    - 321 → frequency
    - 008 → frequency (authority = *marcfrequency*)
- Example:

```
<mods:originInfo>
    <mods:publisher>Published for American Vacuum Society by American Institute of
Physics</mods:publisher>
    <mods:publisher>University of Florida Press House</mods:publisher>
    <mods:place>
        <mods:placeTerm type="text">New York</mods:placeTerm>
        <mods:placeTerm type="code" authority="marccountry">nyu</mods:placeTerm>
        <mods:placeTerm type="code" authority="iso3166">usa</mods:placeTerm>
    </mods:place>
    <mods:place>
        <mods:placeTerm type="text">Gainesville, Florida</mods:placeTerm>
    </mods:place>
    <mods:dateIssued>1992</mods:dateIssued>
    <mods:dateIssued encoding="marc" point="start">1992</mods:dateIssued>
    <mods:dateIssued encoding="marc" point="end">1993</mods:dateIssued>
    <mods:copyrightDate>1999</mods:copyrightDate>
    <mods:edition>Second Edition</mods:edition>
</mods:originInfo>
```

Physical Description / RelatedItem (type="original")

- Definition: Data relating to physical description information of the resource described
- SubElements
    - physicalDescription
        - SubElement
            - extent
            - note
- MARC to MODS Mapping:
    - 300 → extent
- Example:

```
<mods:relatedItem type="original">
```

```
    <mods:physicalDescription>
        <mods:extent>1 sound disc (56 min.) : digital ; 3/4 in.</mods:extent>
        <mods:note>The sleeve of this sound disc was damaged in a fire</mods:note>
        <mods:note>The disc has a moderate amount of scratches, but still plays</mods:note>
    </mods:physicalDescription>
</mods:relatedItem>
```

Record Information

- Definition: Information about the metadata record
- SubElements
  - recordContentSource
    - Attributes
      - authority
  - recordCreationDate
    - Attributes
      - encoding
  - recordIdentifier
    - Attributes
      - source
  - recordOrigin
  - languageOfCataloging
    - SubElements
      - languageTerm (see language section for information about this subelement)
- MARC to MODS Mapping:
  - 008/0-5 → recordCreationDate (encoding = 'marc')
  - 008/35-37 → language of cataloging (iso code)
- Example:

```
<mods:recordInfo>
      <mods:recordIdentifier source="ufdc">MVS0000001_00001</mods:recordIdentifier>
      <mods:recordCreationDate encoding="marc">080303</mods:recordCreationDate>
      <mods:recordOrigin>Imported from (OCLC)001213124</mods:recordOrigin>
      <mods:recordContentSource>University of Florida</mods:recordContentSource>
      <mods:recordContentSource authority="marcorg">FUG</mods:recordContentSource>
      <mods:languageOfCataloging>
            <mods:languageTerm type="text">English</mods:languageTerm>
            <mods:languageTerm type="code" authority="iso639-2b">eng</mods:languageTerm>
            <mods:languageTerm type="code" authority="rfc3066">en</mods:languageTerm>
      </mods:languageOfCataloging>
      <mods:languageOfCataloging>
            <mods:languageTerm type="text">French</mods:languageTerm>
            <mods:languageTerm type="code" authority="iso639-2b">fre</mods:languageTerm>
            <mods:languageTerm type="code" authority="rfc3066">fr</mods:languageTerm>
      </mods:languageOfCataloging>
</mods:recordInfo>
```

RelatedItem (other than type="series" and type="original")

- Definition: Information that identifies other resources related to the one being described
- Attributes
  - Type
    - preceding
    - succeeding
    - host
    - otherVersion
    - otherFormat
- SubElements
  - titleInfo
    - Only one title appears here
    - (see *Title Info* section for information about this subelement)
  - identifier (see *Identifier* section for information about this subelement)
  - location
    - SubElements
      - url
  - name (see *Name* section for information about this subelement)
  - notes (see *Note* section for information about this subelement)
  - originInfo
    - SubElements
      - dateIssued
      - Publisher
  - recordInfo
    - SubElements
      - recordIdentifier
- MARC → MODS Mapping
  - 773 → type="host"
  - 780 → type="preceding"
  - 785 → type="succeeding"
  - 787 → no type
- Example:

```
<mods:relatedItem type="preceding">
      <mods:identifier type="oclc">01234353</mods:identifier>
      <mods:identifier type="aleph">002232311</mods:identifier>
      <mods:location>
```

```
            <mods:url displayLabel="Full Text">http://www.uflib.ufl.edu/ufdc/?b=UF00001234</mods:url>
      </mods:location>
      <mods:name type="personal">
            <mods:namePart>Hills, Bryan</mods:namePart>
            <mods:namePart type="termsOfAddress">Mr.</mods:namePart>
            <mods:role>
                  <mods:roleTerm type="text">author</mods:roleTerm>
            </mods:role>
      </mods:name>
      <mods:note type="funding">Digitized with funding from NEH</mods:note>
      <mods:note>Gainesville Bee was the precursor to this item</mods:note>
      <mods:originInfo>
            <mods:publisher>Gainesville Sun Publishing House</mods:publisher>
      </mods:originInfo>
      <mods:recordInfo>
            <mods:recordIdentifier source="ufdc">UF00001234</mods:recordIdentifier>
      </mods:recordInfo>
      <mods:titleInfo>
            <mods:nonSort>The</mods:nonSort>
            <mods:title>Gainesville Bee</mods:title>
      </mods:titleInfo>
</mods:relatedItem>


<mods:relatedItem type="succeeding">
      <mods:identifier type="oclc">0125437</mods:identifier>
      <mods:note>Name change occured in Fall 1933</mods:note>
      <mods:originInfo>
            <mods:dateIssued point="start">Fall 1933</mods:dateIssued>
            <mods:dateIssued point="end">December 31, 1945</mods:dateIssued>
      </mods:originInfo>
      <mods:recordInfo>
            <mods:recordIdentifier source="ufdc">UF00009999</mods:recordIdentifier>
      </mods:recordInfo>
      <mods:titleInfo>
            <mods:nonSort>The</mods:nonSort>
            <mods:title>Daily Sun</mods:title>
      </mods:titleInfo>
</mods:relatedItem>
```

Series Information / RelatedItem (type="series")

- Definition: designation of physical parts of a resource in detailed form and the series title
- SubElements
  - titleInfo
    - SubElements
      - title
  - part
    - SubElements
      - detail
        - Attributes
          - type (uncontrolled)
        - SubElements
          - caption
          - number
- MARC → MODS Mapping
  - 440, 490 → series title
- Example:

```
<mods:relatedItem type="series">
    <mods:titleInfo>
        <mods:title>Shakespeare's most famous musicals</mods:title>
    </mods:titleInfo>
    <mods:part>
        <mods:detail type="Enum1">
            <mods:caption>Volume 12</mods:caption>
            <mods:number>12</mods:number>
        </mods:detail>
        <mods:detail type="Enum2">
            <mods:caption>Issue 3</mods:caption>
            <mods:number>3</mods:number>
        </mods:detail>
        <mods:detail type="Enum3">
            <mods:caption>Part 1</mods:caption>
            <mods:number>1</mods:number>
        </mods:detail>
        <mods:detail type="Year">
            <mods:caption>1992</mods:caption>
            <mods:number>1992</mods:number>
        </mods:detail>
        <mods:detail type="Month">
```

```
                <mods:caption>Syyskuu</mods:caption>
                <mods:number>9</mods:number>
            </mods:detail>
            <mods:detail type="Day">
                <mods:caption>18</mods:caption>
                <mods:number>18</mods:number>
            </mods:detail>
        </mods:part>
    </mods:relatedItem>
```

Subject (non-specialized)

- Definition: A term or phrase representing the primary topic(s) on which a work is focused
- Attributes
  - ID
  - lang
  - authority
- SubElements
  - topic
  - geographic
  - genre
  - temporal
  - occupation
- MARC → MODS Mapping:
  - 648, 650, 651, 653, 654, 655, 656, 657 (MARC tag is retained as XML ID)
- Examples:

```
<mods:subject authority="lcsh">
    <mods:topic>Real property</mods:topic>
    <mods:geographic>Mississippi</mods:geographic>
    <mods:geographic>Tippah County</mods:geographic>
    <mods:genre>Maps</mods:genre>
</mods:subject>

<mods:subject>
    <mods:occupation>Migrant laborers</mods:occupation>
    <mods:genre>School district case files</mods:genre>
</mods:subject>
```

```
<mods:subject authority="lctgm">
    <mods:topic>Educational buildings</mods:topic>
    <mods:geographic>Washington (D.C.)</mods:geographic>
    <mods:temporal>1890-1910</mods:temporal>
</mods:subject>

<mods:subject lang="french" authority="rvm">
    <mods:topic>Église catholique</mods:topic>
    <mods:topic>Histoire</mods:topic>
    <mods:temporal>20e siècle</mods:temporal>
</mods:subject>
```

Subject (geographic information)

- Definition: A geographic name given in a hierarchical form relating to the resource
- Attributes
    - ID
    - lang
    - authority
- SubElements
    - hierarchicalGeographic
        - SubElements
            - continent
            - country
            - province
            - region
            - state
            - territory
            - county
            - city
            - island
            - area
- MARC → MODS Mapping:
    - 662, 752 (MARC tag is retained as XML ID)
- Examples:

```
<mods:subject>
```

```
        <mods:hierarchicalGeographic>
            <mods:continent>North America</mods:continent>
            <mods:country>United States of America</mods:country>
            <mods:state>Kansas</mods:state>
            <mods:county>Butler</mods:county>
            <mods:city>Augusta</mods:city>
        </mods:hierarchicalGeographic>
    </mods:subject>

    <mods:subject>
        <mods:hierarchicalGeographic>
            <mods:region>Arctic Ocean</mods:region>
        </mods:hierarchicalGeographic>
    </mods:subject>

    <mods:subject lang="English">
        <mods:hierarchicalGeographic>
            <mods:province>Provincial</mods:province>
            <mods:territory>Puerto Rico</mods:territory>
            <mods:island>Puerto Rico</mods:island>
            <mods:area>Intercontinental areas (Western Hemisphere)</mods:area>
        </mods:hierarchicalGeographic>
    </mods:subject>
```

Subject (map information)

- Definition: Spatial coverage of the material and cartographic data
- Attributes
    - ID
    - lang
    - authority
- SubElements
    - Cartographics
        - SubElements
            - coordinates
            - scale
            - projection
- Example:

```
<mods:subject>
    <mods:cartographics>
        <mods:coordinates>E 72°--E 148°/N 13°--N 18°</mods:coordinates>
    </mods:cartographics>
    <mods:cartographics>
        <mods:scale>1:2000</mods:scale>
        <mods:projection>Conical Projection</mods:projection>
    </mods:cartographics>
</mods:subject>
```

Subject (name information)

- Definition: Name used as a subject
- Attributes
  - ID
  - lang
  - authority
- SubElements
  - genre
  - topic
  - temporal
  - geographic
  - name
    - SubElement
      - namePart
        - Attributes
          - type (*given*, *family*, *termsOfAddress*, *date*)
      - displayForm
      - affiliation
      - description
      - role
        - SubElements
          - roleTerm
            - Attributes
              - type (*text*, *code*)
              - authority (*marcrelator*)

- MARC → MODS Mapping:
    - 600, 610, 611 (MARC tag is retained as XML ID)
- Example:

```
<mods:subject authority="lcsh">
    <mods:name>
        <mods:namePart>Garcia Lorca, Federico</mods:namePart>
        <mods:namePart type="date">1898-1936</mods:namePart>
    </mods:name>
</mods:subject>
```

Subject (title information)

- Definition: Title used as a subject
- Attributes
    - ID
    - lang
    - authority
- SubElements
    - genre
    - topic
    - temporal
    - geographic
    - titleInfo
        - Attributes
            - type (*alternative*, *translated*, *uniform*)
            - displayLabel
            - lang
            - authority
        - SubElements
            - title
            - nonSort
            - subtitle
            - partNumber
            - partName
- MARC → MODS Mapping:

    - 630
- Example:

```
<mods:subject authority="naf">
    <mods:titleInfo type="uniform">
        <mods:title>Missale Carnotense</mods:title>
    </mods:titleInfo>
</mods:subject>
```

TargetAudience

- Definition: Description of the intellectual level of the audience for which the resource is intended
- Attributes
    - authority (*marctarget*)
- MARC → MODS Mapping:
    - 008 / 22
    - 521
- Examples:

```
<mods:targetAudience>young adults</mods:targetAudience>

<mods:targetAudience authority="marctarget">adolescent</mods:targetAudience>
```

TitleInfo

- Definition: A word, phrase, character, or group of characters, normally appearing in a resource, that names it or the work contained in it.
- Attributes
    - type (*alternative*, *translated*, *uniform*)
    - displayLabel
    - lang
    - authority
- SubElements
    - title
    - nonSort
    - subtitle

    - partNumber
    - partName
- MARC → MODS Mapping:
    - 130, 240, 730 → uniform
    - 210 → abbreviated
    - 242 → translated
    - 246, 740 → alternative
    - 245
- Examples:

```
<mods:titleInfo>
    <mods:nonSort>The </mods:nonSort>
    <mods:title>Man Who Would Be King</mods:title>
    <mods:subTitle>The story of succession in England</mods:subTitle>
</mods:titleInfo>

<mods:titleInfo type="translated" lang="fr">
    <mods:nonSort>L'</mods:nonSort>
    <mods:title>homme qui voulut être roi</mods:title>
</mods:titleInfo>

<mods:titleInfo type="alternative" displayLabel="also known as">
    <mods:nonSort>The</mods:nonSort>
    <mods:title>Man Who Be King</mods:title>
</mods:titleInfo>

<mods:titleInfo type="uniform" authority="naf">
    <mods:title>Great works of England</mods:title>
    <mods:partNumber>2nd</mods:partNumber>
    <mods:partName>Second Portion</mods:partName>
</mods:titleInfo>
```

TypeOfResource

- Definition: A term that specifies the characteristics and general typ of content of this resource
- Attributes
    - manuscript
    - collection

- Value is from a controlled list
    - mixed material
    - sound recording
    - text
    - cartographic
    - sill image
    - moving image
    - three dimensional object
- MARC → MODS Mapping:
    - Leader
- Example: `<mods:typeOfResource>still image</mods:typeOfResource>`

Unused MODS Elements

The following standard MODS elements are not utilized by UFDC.

- **TableOfContents**
    - *No reason to use this; we package these MODS into a complete METS which houses the table of contents in the structMap element.*

- **Classification**
    - Definition: a designation applied to a resource that indicates the subject by applying a formal system of coding and organizing resources according to subject areas.

- **Extension**
    - Definition: "extension" is used to provide for additional information not covered by MODS. It may be used for elements that are local to the creator of the data, similar to MARC 21 9XX fields. In addition, it may be used to extend MODS for various purposes when another XML schema may handle the type of information. For instance, holdings information for the resource may be included in <extension> with a link to an XML holdings schema
    - *No reason to use this; we store this information in the complete METS which uses other extension schema*