Specifications of the Common Data Model for the Description of Musical Instruments

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Author(s) \( \text{Thierry Le Meur} \)

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<table>
<thead>
<tr>
<th>Date</th>
<th>Document creation</th>
<th>Version</th>
<th>Author</th>
</tr>
</thead>
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<tr>
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<td>Document creation</td>
<td>v1.0</td>
<td>Thierry Le Meur</td>
</tr>
<tr>
<td>2010/03/16</td>
<td>§ 18.1 actor element</td>
<td>v1.1</td>
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<td></td>
<td>Modification of the list of actor types (&quot;corporate&quot; replaces &quot;firm&quot;)</td>
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<td>New paragraph added</td>
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<tr>
<td></td>
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<td>§ 8.5 classification element</td>
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<td></td>
</tr>
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<td>§ 9.3 titleSet element</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>§ 9.5 inscriptions element</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>§ 20.11 eventPlace element</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>lido:type attribute added to these elements</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>§ 16 Date and period name</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>periodName element becomes independent from date element</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>§ 18.7 vitalDatesActor element</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>xml:lang attribute added to this element</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>§ 20.4 event element</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>eventPlace sub-element becomes repeatable</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>periodName sub-element added to this element</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>§ 22.4 rightsDate element</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>periodName sub-element removed</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>§ 24.2 resourceSet element</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>resourceViewDate sub-element removed</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>§ 28 Questions</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>removed paragraph</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Whole document</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>code language &quot;se&quot; modified into &quot;sv&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2010/06/29</td>
<td>§ 18.1 actor element</td>
<td>v1.2</td>
<td>Thierry Le Meur</td>
</tr>
<tr>
<td></td>
<td>new actor type value : &quot;family&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 2010/06/30 | § 15 place element  
  § 15.2 politicalEntity attribute  
  § 15.3 geographicalEntity attribute  
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1 Foreword

This document is the synthesis of MIMO’s WP2 first 4 months of work. It is providing the specification of the data model that will be used to describe Musical Instruments on MIMO’s aggregator.

We used the following method to identify and agree on a data model:

1- Analysis of common data models and standards used in various Museums database software, such as MUSEUM DAT, CDWA Lite, Spectrum, CIDOC CRM led us to LIDO, a new model currently designed by eContentplus project ATHENA (see: http://www.athenaeurope.org).
2- Workshops were organized with all MIMO content providers in order to test the use of LIDO specifically in the field of Musical Instruments.
3- Outcomes of these workshops helped us to delimit a framework for the use of LIDO in MIMO’s platform. This framework defines
   - Applicable fields
   - Specific lists of terms (ie: list of Event Types)
   - Missing fields.

We still have small issues to solve, such as specifying the terms of the controlled lists.

All MIMO’s specificities and issues to solve appear in blue in this document.

This delivery provides the version 1.2 of MIMO’s data model. There could be small evolutions in the next months of the project.
2 Presentation of the document

This document specifies the data model which describes the musical instruments present in the collections of the institutions participating to MIMO project. The MIMO data model is based on LIDO (Lightweight Information Describing Objects) version 0.9 draft, the XML schema for contributing content to cultural heritage repositories. In this version of the document, all specified elements are extracted from the LIDO data model. Some elements will have to be specially defined in order to cope with MIMO project specific needs.

Each element is described as follows:

<table>
<thead>
<tr>
<th>Name</th>
<th>the name of the element</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido or mimo depending on whether the element belongs to LIDO model or has been specially designed for MIMO needs.</td>
</tr>
<tr>
<td>Definition</td>
<td>the definition of the element (based on the lido definition for those directly taken from this model).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>attribute 1 name</td>
<td>optional / mandatory</td>
<td>value(s) for attribute 1</td>
</tr>
<tr>
<td></td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td></td>
<td>attribute n name</td>
<td>optional / mandatory</td>
<td>value(s) for attribute n</td>
</tr>
<tr>
<td></td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>element 1 name</td>
<td>optional / mandatory</td>
<td>repeatable / not repeatable</td>
</tr>
<tr>
<td></td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td></td>
<td>element n name</td>
<td>optional / mandatory</td>
<td>repeatable / not repeatable</td>
</tr>
<tr>
<td></td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>

| Value | specification of a format, list (controlled or not) of values, examples... |

Lines "Attributes", "Sub-elements", "Value" appear only if the described element owns attributes, sub-elements and/or values.

NB: in the description of an element, we have chosen to list only the attributes and sub-elements belonging to this element, which are necessary for MIMO data model and not all the attributes and sub-elements as they are specified in LIDO model.

When possible, element description is illustrated with an example.
3 MIMO data model organization

Ctrl+click on text inside box to go to the corresponding chapter
4 Main element : lidoWrap

This element is the main one. It contains all the metadata related to a set of musical instruments, each instrument is described within a lido element.

NB: in this document, when we speak about "instrument", it may refer to a complete musical instrument or to a part of a musical instrument (see objectWorkType).

<table>
<thead>
<tr>
<th>Name</th>
<th>lidoWrap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Holds one or multiple instrument metadata records.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>xsi:schemaLocation</td>
<td>mandatory</td>
<td>see example below</td>
</tr>
<tr>
<td></td>
<td>xmlns:lido</td>
<td>mandatory</td>
<td></td>
</tr>
<tr>
<td></td>
<td>xmlns:xsi</td>
<td>mandatory</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:lido</td>
<td>mandatory</td>
<td>repeatable</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:lidoWrap>
  xsi:schemaLocation="http://www.lido-schema.org lido-draft-v0.9.xsd"
  xmlns:lido="http://www.lido-schema.org"
  xmlns:xsi ="http://www.w3.org/2001/XMLSchema-instance">
    … description of all instrument records …
    
    <lido:lido>
      … instrument X record …
    </lido:lido>
    …
    <lido:lido>
      … instrument Y record …
    </lido:lido>
    …
  </lido:lidoWrap>
```

The values given to the three attributes xsi:schemaLocation, xmlns:lido, xmlns:xsi are those allowing the link the XML specifications of LIDO model.
5 Instrument metadata container : lido element

This element is the one including all the metadata related to one instrument. Each instrument is characterized by:
- its identifier (lidoRecID element)
- its descriptive metadata (descriptiveMetadata element)
- its administrative metadata (administrativeMetadata element)

5.1 lido element

<table>
<thead>
<tr>
<th>Name</th>
<th>lido</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Holds metadata record related to one specific instrument.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>lido:lidoRecID</td>
</tr>
<tr>
<td></td>
<td>lido:descriptiveMetadata</td>
</tr>
<tr>
<td></td>
<td>lido:administrativeMetadata</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:lido>
    <lido:lidoRecID lido:type="local">
        CM:0162260
    </lido:lidoRecID>

    <lido:descriptiveMetadata xml:lang="fr">
        ... record CM:0162260 descriptive metadata (using French language) ...
    </lido:descriptiveMetadata>

    <lido:administrativeMetadata xml:lang="fr">
        ... record CM:0162260 administrative metadata (using French language) ...
    </lido:administrativeMetadata>
</lido:lido>
```

5.2 lidoRecID element

<table>
<thead>
<tr>
<th>Name</th>
<th>lidoRecID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Unique record identification.</td>
</tr>
</tbody>
</table>
### Attributes

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:type</td>
<td>mandatory</td>
<td>&quot;local&quot;</td>
<td></td>
</tr>
</tbody>
</table>

| Value | The identifier given to the record. |

This identifier should be built using the following pattern:

```xml
<contributor identifier>:"<record identifier>
```

where `<record identifier>` is the unique identifier of the record in the contributor's local system and `<contributor identifier>` a prefix that identify the institution from which the record originates.

Each institution participating to the MIMO project has to determine its own contributor identifier. We suggest using the participant short names:

- University of Edinburgh: UEDIN
- Germanisches Nationalmuseum, Nürnberg: GNM
- University of Leipzig, Museum für Musikinstrumente: ULEI
- Africamuseum, Tervuren: RMCA
- Associazione "Amici del Museo degli Strumenti Musicali", Firenze: AF
- Università degli Studi di Firenze, Florence: UF
- Cité de la Musique, Paris: CM
- Musical Instrument Museum, Brussels: MIM-BE
- Horniman Museum, London: HML
- Stiftung Preußischer Kulturbesitz, Ethnologisches Museum: SPK
- The Stockholm Music Museum: SMS-MM

**Example:**

```xml
<lido:lidoRecID lido:type="local">
  CM:0162260
</lido:lidoRecID>
```

In this example, the identifier is composed of two elements, the prefix `CM` which stands for "Cité de la Musique", and a numeric string, "0162260", which is the identifier of the notice from which information is taken to build the record.

The string giving the identifier of the record in the contributor's local system may be alphanumeric but should not contain the ":" character.

### 6 Descriptive metadata

#### 6.1 `descriptiveMetadata` element

This element is the one used to specify the descriptive metadata of an instrument. Descriptive metadata are divided in:

- types and classifications metadata (objectClassificationWrap element)
- identification metadata (objectIdentificationWrap element)
- events metadata (eventWrap element)
- subjects metadata (objectRelationWrap element)

<table>
<thead>
<tr>
<th>Name</th>
<th>descriptiveMetadata</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Holds the descriptive metadata of an instrument record. The attribute xml:lang is mandatory and specifies the main language of the descriptive metadata.</td>
</tr>
<tr>
<td>Attributes</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>xml:lang</td>
</tr>
<tr>
<td>Sub-elements</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>lido:objectClassificationWrap</td>
</tr>
<tr>
<td></td>
<td>lido:objectIdentificationWrap</td>
</tr>
<tr>
<td></td>
<td>lido:eventWrap</td>
</tr>
<tr>
<td></td>
<td>lido:objectRelationWrap</td>
</tr>
</tbody>
</table>

Management of translations in multiple languages: when data fields (eg. title) are provided in more than one language, the respective text elements may be repeated specifying the xml:lang attribute on the text level. The list of language codes will be completed as other institutions using different languages join the project.

Example:

*specification of descriptive metadata mainly in French*

```xml
<lido:descriptiveMetadata xml:lang="fr">
  ...  
  <displayObjectMeasurements>
    Longueur totale : 2250 mm - Largeur du clavier : 815 mm
  </displayObjectMeasurements>
</lido:descriptiveMetadata>
```

*translation in English*

```xml
<lido:descriptiveMetadata xml:lang="en">
  ...  
  <displayObjectMeasurements>
    Total length: 2250 mm - Keyboard width: 815 mm
  </displayObjectMeasurements>
</lido:descriptiveMetadata>
```

### 7 Administrative metadata

#### 7.1 administrativeMetadata element

This element is the one used to specify the administrative metadata of an instrument. Administrative metadata are divided in:
- rights metadata (rightsWorkWrap element)
- cataloguing information metadata (recordWrap element)
resources metadata (resourceWrap element)

<table>
<thead>
<tr>
<th>Name</th>
<th>DescriptiveMetadata</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Holds the administrative metadata of an object record. The attribute xml:lang is mandatory and specifies the language of the administrative metadata.</td>
</tr>
<tr>
<td>Attributes</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>xml:lang</td>
</tr>
<tr>
<td>Sub-elements</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>lido:rightsWorkWrap</td>
</tr>
<tr>
<td></td>
<td>lido:recordWrap</td>
</tr>
<tr>
<td></td>
<td>lido:resourceWrap</td>
</tr>
</tbody>
</table>

Management of translations of administrative metadata follows the same rule as for the descriptive metadata. The list of language codes will be completed as other institutions using different languages join the project.

Example:

\[
\text{<lido:administrativeMetadata xml:lang="nl">}
\]

… specification of administrative metadata in Dutch …

\[
\text{</lido:administrativeMetadata>}
\]

8 Instrument types and classifications

All information related to the types and classes an instrument belongs to is described within an objectClassificationWrap element. This information is divided in:

- types related information (objectWorkTypeWrap and objectWorkType elements)
- classifications related information (classificationWrap and classification elements)

8.1 objectClassificationWrap

<table>
<thead>
<tr>
<th>Name</th>
<th>objectClassificationWrap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Wrapper for data classifying the instrument.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td>Name</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td></td>
<td>lido:objectWorkTypeWrap</td>
</tr>
<tr>
<td></td>
<td>lido:classificationWrap</td>
</tr>
</tbody>
</table>

Example:

```xml
</lido:objectClassificationWrap>

<lido:objectWorkTypeWrap>
    <lido:objectWorkType>
        <lido:term>
            musical instruments
        </lido:term>
    </lido:objectWorkType>
</lido:objectWorkTypeWrap>

<lido:classificationWrap>
    <lido:classification>
        <lido:term>
            Arghul
        </lido:term>
    </lido:classification>
</lido:classificationWrap>

</lido:objectClassificationWrap>
```

### 8.2 `objectWorkTypeWrap`

**Name**  
objectWorkTypeWrap

**Name space**  
lido

**Definition**  
Wrapper for instrument types.

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:objectWorkType</td>
<td>mandatory</td>
<td>not repeatable</td>
</tr>
<tr>
<td></td>
<td>mandatory (MIMO specificity)</td>
<td>not repeatable</td>
<td></td>
</tr>
</tbody>
</table>

### 8.3 `objectWorkType`

**Name**  
objectWorkType

**Name space**  
lido

**Definition**  
Identifies the specific kind of objects being described.
In MIMO context, there are only two types:
- `musical instruments`
- `parts of musical instruments`
The value of the objectWorkType element has to be specified in the lido:term element.

<table>
<thead>
<tr>
<th>Name</th>
<th>term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Value</td>
<td>&quot;musical instruments&quot; or &quot;parts of musical instruments&quot;</td>
</tr>
</tbody>
</table>

*(see Concept for complete description)*

Example 1:

```xml
<lido:objectWorkTypeWrap>
  <lido:objectWorkType>
    <lido:term>
      musical instruments
    </lido:term>
  </lido:objectWorkType>
</lido:objectWorkTypeWrap>
```

Example 2:

```xml
<lido:objectWorkTypeWrap>
  <lido:objectWorkType>
    <lido:term>
      parts of musical instruments
    </lido:term>
  </lido:objectWorkType>
</lido:objectWorkTypeWrap>
```

### 8.4 classificationWrap element

<table>
<thead>
<tr>
<th>Name</th>
<th>classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Wrapper for classification information. Contains all the classifications an instrument belongs to.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:classification</td>
<td>mandatory</td>
<td>repeatable</td>
</tr>
</tbody>
</table>
### 8.5 Classification Element

<table>
<thead>
<tr>
<th>Name</th>
<th>classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
</tbody>
</table>

**Definition**

Term used to categorize an instrument by grouping it together with other instruments on the basis of similar characteristics. The category belongs to a systematic scheme (classification). If the instrument is assigned to multiple classifications, repeat this element.

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:type</td>
<td>optional</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:conceptID</td>
<td>optional</td>
<td>not repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:term</td>
<td>mandatory</td>
<td>(MIMO specificity)</td>
</tr>
</tbody>
</table>

The values describing the classification of an instrument have to be specified in `lido:conceptID` and `lido:term` elements:

- the category identifier in the `lido:conceptID` element

<table>
<thead>
<tr>
<th>Name</th>
<th>conceptID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
</tbody>
</table>

**Attributes**

<table>
<thead>
<tr>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:type</td>
<td>mandatory</td>
<td>&quot;SH_Class&quot;</td>
</tr>
</tbody>
</table>

**Value**

The classification category identifier. *(see Concept for complete description)*

- the category name in the `lido:term` element

<table>
<thead>
<tr>
<th>Name</th>
<th>term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
</tbody>
</table>

**Attributes**

<table>
<thead>
<tr>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:pref</td>
<td>optional</td>
<td>&quot;preferred&quot; or &quot;alternate&quot;</td>
</tr>
<tr>
<td>xml:lang</td>
<td>optional</td>
<td>&quot;de&quot;, &quot;en&quot;, &quot;fr&quot;, &quot;it&quot;, &quot;nl&quot;, &quot;sv&quot;</td>
</tr>
</tbody>
</table>

**Value**

The classification category name. *(see Concept for complete description)*

At least one category name has to be associated with an instrument. This name must be the keyword that designates in a unique way the instrument in the MIMO's instruments list.
Other category names can be used at the same time (classification element can be repeated). If so, the lido:pref attribute of the lido:term element containing the keyword must be set to "preferred" and the lido:pref attribute of the lido:term elements storing the other category names must be set to "alternate".

If the Sachs-Hornbostel classification is used, the number of the category can be stored in the lido:conceptID element and the category name in the lido:term element. The lido:type attribute of the lido:conceptID element must be set to "SH_Class".

Examples:

A first example giving the minimal classification information about an instrument

```xml
<lido:classification>
  <lido:term>
    Arghul
  </lido:term>
</lido:classification>

A second example giving several classifications of the same instrument

```xml
<lido:classification>
  <lido:term lido:pref="preferred">
    Accordion
  </lido:term>
</lido:classification>
<lido:classification>
  <lido:conceptID lido:type="SH_Class">
    412.13
  </lido:conceptID>
  <lido:term lido:pref="alternate">
    Free reeds aerophones
  </lido:term>
</lido:classification>
<lido:classification>
  <lido:term lido:pref="alternate">
    Wind
  </lido:term>
</lido:classification>
```
9 Instrument identification

The identification of an instrument is given by:
- its name(s)
- the inscriptions found on the instrument
- the repository the instrument belongs to
- its description notes
- its measurements

9.1 objetIdentificationWrap

<table>
<thead>
<tr>
<th>Name</th>
<th>objetIdentificationWrap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Wrapper for instrument identification information.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:titleWrap</td>
<td>mandatory</td>
<td>not repeatable</td>
<td></td>
</tr>
<tr>
<td>lido:inscriptionsWrap</td>
<td>optional</td>
<td>not repeatable</td>
<td></td>
</tr>
<tr>
<td>lido:repositoryWrap</td>
<td>mandatory</td>
<td>not repeatable</td>
<td></td>
</tr>
<tr>
<td>lido:objectDescriptionWrap</td>
<td>optional</td>
<td>not repeatable</td>
<td></td>
</tr>
<tr>
<td>lido:objectDisplayStateEditionWrap</td>
<td>optional</td>
<td>not repeatable</td>
<td></td>
</tr>
<tr>
<td>lido:objectMeasurementsWrap</td>
<td>optional</td>
<td>not repeatable</td>
<td></td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:objetIdentificationWrap>
  <lido:titleWrap>
    <lido:titleSet>
      <lido:appellationValue>
        Harpe arquée "kundi"
      </lido:appellationValue>
    </lido:titleSet>
  </lido:titleWrap>

  <lido:repositoryWrap>
    <lido:repositorySet lido:repositoryType="current">
      <lido:workID lido:type="Inventory Number">E.999.10.1</lido:workID>
      <lido:repositoryName>
        <lido:legalBodyName>
          <lido:appellationValue>
            Musée de la musique
          </lido:appellationValue>
        </lido:legalBodyName>
      </lido:repositoryName>
    </lido:repositorySet>
  </lido:repositoryWrap>
</lido:objetIdentificationWrap>
```
9.2 titleWrap

<table>
<thead>
<tr>
<th>Name</th>
<th>titleWrap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Wrapper for instrument name(s) information.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Obligation</td>
</tr>
<tr>
<td>lido:titleSet</td>
<td>mandatory</td>
</tr>
</tbody>
</table>

9.3 titleSet

<table>
<thead>
<tr>
<th>Name</th>
<th>titleSet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Wrapper for the instrument name and its related information. If there is more than one name, repeat this element.</td>
</tr>
<tr>
<td>Attributes</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Obligation</td>
</tr>
<tr>
<td>lido:type</td>
<td>optional</td>
</tr>
<tr>
<td>Sub-elements</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Obligation</td>
</tr>
<tr>
<td>lido:appellationValue</td>
<td>mandatory</td>
</tr>
<tr>
<td>lido:sourceAppellation</td>
<td>optional</td>
</tr>
</tbody>
</table>

The instrument name is stored inside the lido:appellationValue element. If several names are specified, the lido:pref attribute of lido:appellationValue element has to be set to "preferred" for the main name and to "alternate" for the other names. The source from where the appellation is taken can be specified in the lido:sourceAppellation element. The translation of the instrument name can be specified repeating lido:appellation element with the language specification set into the xml:lang attribute.

<table>
<thead>
<tr>
<th>Name</th>
<th>appellationValue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Attributes</td>
<td>Name</td>
</tr>
<tr>
<td>------------</td>
<td>------</td>
</tr>
<tr>
<td>lido:pref</td>
<td>optional</td>
</tr>
<tr>
<td>xml:lang</td>
<td>optional</td>
</tr>
</tbody>
</table>

Value | The name of the instrument.

(see Appellation for complete description)

Example:

```xml
<lido:titleSet>
    <lido:appellationValue>
        Harpe arquée "kundi"
    </lido:appellationValue>
</lido:titleSet>
```

### 9.4 inscriptionsWrap

<table>
<thead>
<tr>
<th>Name</th>
<th>inscriptionsWrap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Wrapper for information about inscriptions and other marks.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:inscriptions</td>
<td>optional</td>
<td>repeatable</td>
<td></td>
</tr>
</tbody>
</table>

### 9.5 inscriptions

<table>
<thead>
<tr>
<th>Name</th>
<th>inscriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>A description or transcription of any distinguishing or identifying physical lettering, annotations, texts, markings, or labels that are affixed, applied, stamped, written, inscribed, or attached to the instrument, excluding any mark or text inherent in the materials of which the instrument is made. The location of the inscription on the instrument may appear in this description (MIMO specificity)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:type</td>
<td>optional</td>
<td>&quot;de&quot;, &quot;en&quot;, &quot;fr&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
<td></td>
</tr>
<tr>
<td>xml:lang</td>
<td>optional</td>
<td>&quot;de&quot;, &quot;en&quot;, &quot;fr&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Value | The text of the inscription.
10 Legal body

A legal body is defined by:
- its identifier
- its name
- the address of its web site when it exists

In LIDO model, a legal body is described with a sequence of three elements (legalBodyID, legalBodyName and legalBodyWeblink). This sequence may be part of the following elements:
- repositoryName
- rightsHolder
- recordSource

10.1 legalBodyID element

<table>
<thead>
<tr>
<th>Name</th>
<th>legalBodyID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Unambiguous identification of an institution or person.</td>
</tr>
<tr>
<td>Attributes</td>
<td>Name: pref, lido:type, lido:source</td>
</tr>
<tr>
<td></td>
<td>Obligation: mandatory, optional</td>
</tr>
<tr>
<td>Value</td>
<td>&quot;local&quot;</td>
</tr>
</tbody>
</table>

10.2 legalBodyName element

<table>
<thead>
<tr>
<th>Name</th>
<th>legalBodyName</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Appellation of an institution or person.</td>
</tr>
</tbody>
</table>
The name of the legal body is stored in the `lido:appellationValue` element. If several names are specified, the `lido:pref` attribute of `lido:appellationValue` element has to be set to "preferred" for the main name and to "alternate" for the other names.

Example:

```xml
<lido:legalBodyName>
  <lido:appellationValue>
    Collection Geneviève Thibaud de Chambure
  </lido:appellationValue>
</lido:legalBodyName>
```

### 10.3 `lido:legalBodyWeblink` element

Several links may be specified. If so, the `lido:pref` attribute of `lido:legalBodyWeblink` element has to be set to "preferred" for the main link and to "alternate" for the others.

Example:

```xml
<lido:legalBodyWeblink>
  http://www.cite-musique.fr
</lido:legalBodyWeblink>
```
11 Repository

A repository is characterized by:
- its type (current or former)
- its name which always refers to a legal body (institution of custody)

11.1 repositoryWrap

<table>
<thead>
<tr>
<th>Name</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>repositoryWrap</td>
<td>Wrapper for repository information.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:repositorySet</td>
<td>optional</td>
<td>repeatable</td>
<td></td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:repositoryWrap>
  <lido:repositorySet lido:repositoryType="current">
    <lido:workID lido:type="inventory number">
      E.979.2.1
    </lido:workID>
    <lido:repositoryName>
      <lido:legalBodyName>
        <lido:appellationValue>
          Musée de la musique
        </lido:appellationValue>
      </lido:legalBodyName>
    </lido:repositoryName>
  </lido:repositorySet>

  <lido:repositorySet lido:repositoryType="former">
    <lido:repositoryName>
      <lido:legalBodyName>
        <lido:appellationValue>
          Collection Geneviève Thibaud de Chambure
        </lido:appellationValue>
      </lido:legalBodyName>
    </lido:repositoryName>
  </lido:repositorySet>
</lido:repositoryWrap>
```
### 11.2 repositorySet

<table>
<thead>
<tr>
<th>Name</th>
<th>repositorySet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Wrapper for designation and identification of the institution of custody. If there are several designations known, for instance, a current one and former ones (see repositoryType attribute), repeat the element.</td>
</tr>
</tbody>
</table>

#### Attributes

<table>
<thead>
<tr>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:repositoryType</td>
<td>optional</td>
<td>&quot;current&quot; or &quot;former&quot;</td>
</tr>
</tbody>
</table>

#### Sub-elements

<table>
<thead>
<tr>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:repositoryName</td>
<td>optional</td>
<td>not repeatable</td>
</tr>
<tr>
<td>lido:workID</td>
<td>optional</td>
<td>repeatable</td>
</tr>
</tbody>
</table>

The lido:repositoryType attribute allows to distinguish several designations known of a repositorySet: the current repository name and former ones.

Example:

```xml
<lido:repositorySet lido:repositoryType="current">
  <lido:workID lido:type="inventory number">
    E.979 2.1
  </lido:workID>
  <lido:repositoryName>
    <lido:legalBodyName>
      <lido:appellationValue>
        Musée de la musique
      </lido:appellationValue>
    </lido:legalBodyName>
    <lido:repositoryName>
      <lido:legalBodyName>
        <lido:appellationValue>
          Collection Geneviève Thibaud de Chambure
        </lido:appellationValue>
      </lido:legalBodyName>
    </lido:repositoryName>
  </lido:repositoryName>
</lido:repositorySet>
```

```xml
<lido:repositorySet lido:repositoryType="former">
  <lido:repositoryName>
    <lido:legalBodyName>
      <lido:appellationValue>
        Collection Geneviève Thibaud de Chambure
      </lido:appellationValue>
    </lido:legalBodyName>
  </lido:repositoryName>
</lido:repositorySet>
```
### 11.3 repositoryName

<table>
<thead>
<tr>
<th>Name</th>
<th>repositoryName</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Unambiguous identification, designation and weblink of the institution of custody. The institution is described as a legal body.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td></td>
</tr>
<tr>
<td>lido:legalBodyID</td>
<td>optional</td>
</tr>
<tr>
<td>lido:legalBodyName</td>
<td>optional</td>
</tr>
<tr>
<td>lido:legalBodyWeblink</td>
<td>repeatable</td>
</tr>
</tbody>
</table>

*(see Legal body description paragraph)*

Example:

```xml
<lido:repositoryName>
  <lido:legalBodyName>
    <lido:appellationValue>
      Musée de la musique
    </lido:appellationValue>
  </lido:legalBodyName>
  <lido:legalBodyWeblink>
    http://www.cite-musique.fr
  </lido:legalBodyWeblink>
</lido:repositoryName>
```

### 11.4 workID

<table>
<thead>
<tr>
<th>Name</th>
<th>workID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>An unambiguous numeric or alphanumeric identification number, assigned to the instrument by the institution of custody.</td>
</tr>
<tr>
<td>Attributes</td>
<td></td>
</tr>
<tr>
<td>lido:type</td>
<td>optional</td>
</tr>
<tr>
<td>&quot;inventory number&quot;</td>
<td></td>
</tr>
<tr>
<td>Value</td>
<td>The identifier given to the instrument by the contributor.</td>
</tr>
</tbody>
</table>
Example:

```xml
<lido:workID lido:type="inventory number"> E.979.2.1 </lido:workID>
```

12 Instrument edition information

This set of elements may be used to index information related to one specific copy of an instrument like serial number, etc…

12.1 displayStateEditionWrap

<table>
<thead>
<tr>
<th>Name</th>
<th>displayStateEditionWrap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Wrapper for Display State Editions.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td>Name             Obligation Occurrence</td>
</tr>
<tr>
<td></td>
<td>lido:displayEdition optional repeatable</td>
</tr>
</tbody>
</table>

12.2 displayEdition

<table>
<thead>
<tr>
<th>Name</th>
<th>displayEdition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Description of the edition of the instrument. Repeat this element for language variants.</td>
</tr>
<tr>
<td>Attributes</td>
<td>Name Obligation Value</td>
</tr>
<tr>
<td></td>
<td>xml:lang optional &quot;de&quot;, &quot;en&quot;, &quot;fr&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
</tr>
<tr>
<td>Value</td>
<td>The text of the edition description.</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:titleWrap>
  <lido:titleSet>
    <lido:appellationValue>
      Piano droit à pédalier
    </lido:appellationValue>
  </lido:titleSet>
</lido:titleWrap>
```
13 Instrument description

The description of an instrument is given by:
- the descriptive notes that have been written about the instrument
- the source from which the content of the notes comes

13.1 objectDescriptionWrap

<table>
<thead>
<tr>
<th>Name</th>
<th>objectDescriptionWrap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Wrapper for description of an instrument.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>lido:objectDescriptionSet</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:objectDescriptionWrap>
  <lido:objectDescriptionSet type="general description">
    <lido:descriptiveNoteValue>
      Fond en 1 pièce d'érable…
    </lido:descriptiveNoteValue>
    <lido:sourceDescriptiveNote>
      Musée instrumental du CNSM : La facture instrumentale européenne, 1985
    </lido:sourceDescriptiveNote>
  </lido:objectDescriptionSet>
</lido:objectDescriptionWrap>
```

13.2 objectDescriptionSet

<table>
<thead>
<tr>
<th>Name</th>
<th>objectDescriptionSet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
</tbody>
</table>
Definition

Wrapper for a descriptive note and its sources. If there is more than one descriptive note, repeat this element.

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:type</td>
<td>optional</td>
<td>see list below</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:descriptiveNoteValue</td>
<td>optional</td>
<td>not repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:sourceDescriptiveNote</td>
<td>optional</td>
<td>repeatable</td>
</tr>
</tbody>
</table>

Depending on what the description refers to, the objectDescriptionSet may be typed. The values of the lido:type attribute can be:
- "general description"
- "context" (to describe, for instance, the sociological context of the use of a non-european instrument)
- "decorative features"
- "literature references"
- "performance characteristics" (to give the advices or comments of the instrument players)
- "inscriptions locations"

If no type is specified, the description has to be considered as a general description.

Example:

```xml
<lido:objectDescriptionSet type="general description">
  <lido:descriptiveNoteValue>
    Fond en 1 pièce d'érable…
  </lido:descriptiveNoteValue>
  <lido:sourceDescriptiveNote>
    Musée instrumental du CNSM : La facture instrumentale européenne, 1985
  </lido:sourceDescriptiveNote>
</lido:objectDescriptionSet>
```

### 13.3 descriptiveNoteValue

<table>
<thead>
<tr>
<th>Name</th>
<th>descriptiveNoteValue</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Name space</th>
<th>lido</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Definition</th>
<th>Usually a relatively brief essay-like text that describes the instrument.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>xml:lang</td>
<td>optional</td>
<td>&quot;de&quot;, &quot;en&quot;, &quot;fr&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Value</th>
<th>The text of the description.</th>
</tr>
</thead>
</table>
Example:

<lido:descriptiveNoteValue>
Fond en 1 pièce d'érable * Table en 2 pièces de sapin ou d'épicéa * Eclisses en érable *
Tête entée * Manche enté * Cordier et touche en ébène * 4 chevilles en palissandre,
bouton doré * Avec mentonnière * Vernis doré orangé * Etiquette originale imprimée
et collée sur le fond sous l'ouïe gauche : "Antonio Stradivarius Cremonensis / Faciebat
Anno 1708", suivi du motif A+S imprimé entouré d'un double cercle
</lido:descriptiveNoteValue>

13.4 sourceDescriptiveNote

<table>
<thead>
<tr>
<th>Name</th>
<th>sourceDescriptiveNote</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>The source for the descriptive note, generally a published source.</td>
</tr>
<tr>
<td>Attributes</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>xml:lang</td>
</tr>
<tr>
<td>Value</td>
<td>The specification of the source.</td>
</tr>
</tbody>
</table>

Example:

<lido:sourceDescriptiveNote>
Musée instrumental du CNSM : La facture instrumentale européenne, 1985
</lido:sourceDescriptiveNote>

14 Measurements

Two elements are used to store the measurements of an instrument:
- the displayObjectMeasurements element which holds this information in a way which
  is directly readable by the end-user
- the measurementsSet element used to index measurements and where the
  measurement itself is split into elementary attributes (type, value, unit)

14.1 objectMeasurementsWrap

<table>
<thead>
<tr>
<th>Name</th>
<th>objectMeasurementsWrap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Wrapper for the measurements: the dimensions, size, shape, scale, format, or</td>
</tr>
</tbody>
</table>
storage configuration of the instrument, including volume, weight...
Measurements are formatted to allow retrieval; preferably in metric units
where applicable.

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:objectMeasurementsSet</td>
<td>optional</td>
<td>repeatable</td>
<td></td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:objectMeasurementWrap>
  <lido:objectMeasurementSet>
    <lido:displayObjectMeasurements>
      Total length: 2250 mm - Keyboard width: 815 mm
    </lido:displayObjectMeasurements>
    <lido:objectMeasurements>
      <lido:measurementsSet
        lido:unit="mm"
        lido:type="Total length"
        lido:value="2250">
      </lido:measurementsSet>
      <lido:measurementsSet
        lido:unit="mm"
        lido:type="Keyboard width"
        lido:value="815">
      </lido:measurementsSet>
    </lido:objectMeasurements>
  </lido:objectMeasurementSet>
</lido:objectMeasurementWrap>
```

### 14.2 objectMeasurementsSet

<table>
<thead>
<tr>
<th>Name</th>
<th>objectMeasurementsSet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Wrapper for display and index elements for instrument measurements. If multiple parts of the instrument are measured, repeat the element.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:displayObjectMeasurements</td>
<td>optional</td>
<td>repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:objectMeasurements</td>
<td>optional</td>
<td>not repeatable</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:objectMeasurementsSet>
  <lido:displayObjectMeasurements>
    Total length: 2250 mm - Keyboard width: 815 mm
  </lido:displayObjectMeasurements>
  <lido:objectMeasurements>
```

31
14.3 displayObjectMeasurements

<table>
<thead>
<tr>
<th>Name</th>
<th>displayObjectMeasurements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Display element for measurements of one instrument. Repeat this element only for language variants.</td>
</tr>
<tr>
<td>Attributes</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>xml:lang</td>
</tr>
<tr>
<td>Value</td>
<td>Free text. Can be the concatenation of information described in the measurementsSet elements.</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:displayObjectMeasurements>
  Total length: 2250 mm - Keyboard width: 815 mm
</lido:displayObjectMeasurements>
```

The same measurements translated into French

```xml
<lido:displayObjectMeasurements xml:lang="fr">
  Longueur totale : 2250 mm - Largeur du clavier : 815 mm
</lido:displayObjectMeasurements>
```

14.4 objectMeasurements

<table>
<thead>
<tr>
<th>Name</th>
<th>objectMeasurements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
</tbody>
</table>
**Definition**

Set for describing measurements of an instrument.

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:measurementsSet</td>
<td>optional</td>
<td>repeatable</td>
<td></td>
</tr>
</tbody>
</table>

**Example:**

```xml
<lido:objectMeasurements>
  <lido:measurementsSet
    lido:unit="mm"
    lido:type="Total length"
    lido:value="2250">
  </lido:measurementsSet>
  <lido:measurementsSet
    lido:unit="mm"
    lido:type="Keyboard width"
    lido:value="815">
  </lido:measurementsSet>
</lido:objectMeasurements>
```

**14.5 measurementsSet element**

<table>
<thead>
<tr>
<th>Name</th>
<th>measurementsSet</th>
</tr>
</thead>
</table>

**Name space**
lido

**Definition**
The dimension or other measurement for one aspect of an instrument (width for example).

**Attributes**

<table>
<thead>
<tr>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:unit</td>
<td>mandatory</td>
<td>see attributes description below.</td>
</tr>
<tr>
<td>lido:type</td>
<td>mandatory</td>
<td></td>
</tr>
<tr>
<td>lido:value</td>
<td>mandatory</td>
<td></td>
</tr>
</tbody>
</table>

**Example:**

```xml
<lido:measurementsSet lido:unit="mm" lido:type="Total length" lido:value="2250">
</lido:measurementsSet>
```

**14.6 unit attribute**

<table>
<thead>
<tr>
<th>Name</th>
<th>unit</th>
</tr>
</thead>
</table>

**Name space**
lido

**Definition**
The unit used to specify one measurement.

**Value**
metric unit: "m", "cm", "mm", etc…
Example:

```xml
<lido:measurementsSet lido:unit="mm" lido:type="Total length" lido:value="2250">
</lido:measurementsSet>
```

14.7 *type* attribute

<table>
<thead>
<tr>
<th>Name</th>
<th>type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>the physical characteristic which is measured.</td>
</tr>
<tr>
<td>Value</td>
<td>&quot;width&quot;, &quot;height&quot;, &quot;length&quot;, &quot;total length&quot; etc…</td>
</tr>
</tbody>
</table>

Example:

```xml
...
<lido:measurementsSet lido:unit="mm" lido:type="Total length" lido:value="2250">
</lido:measurementsSet>
```

14.8 *value* attribute

<table>
<thead>
<tr>
<th>Name</th>
<th>value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>the value of the measure.</td>
</tr>
<tr>
<td>Value</td>
<td>numerical value.</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:measurementsSet lido:unit="mm" lido:type="Total length" lido:value="2250">
</lido:measurementsSet>
```

15 *Place*

Place description takes part to event description.
A place is characterized by:
- the kind of political entity it is
- the kind of geographical entity it is
- its identifier
- its name
A place can be a part of larger place.

The existence of each place names will be verified in GeoNames thesaurus. The values of the attributes specifying the types of political and/or geographical entity associated to a place will be used to interrogate GeoNames.

### 15.1 place element

<table>
<thead>
<tr>
<th>Name</th>
<th>place</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Set to describe a place.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attributes</th>
<th></th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:politicalEntity</td>
<td>optional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lido:geographicalEntity</td>
<td>optional</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th></th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:placeID</td>
<td>optional</td>
<td></td>
<td>repeatable</td>
</tr>
<tr>
<td>lido:placeNameSet</td>
<td>optional</td>
<td></td>
<td>repeatable</td>
</tr>
<tr>
<td>lido:partOfPlace</td>
<td>optional</td>
<td></td>
<td>repeatable</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:place lido:politicalEntity="town">
    <lido:namePlaceSet>
        <lido:appellationValue>
            Anvers
        </lido:appellationValue>
        <lido:namePlaceSet/>
        <lido:partOfPlace lido:politicalEntity="country">
            <lido:namePlaceSet>
                <lido:appellationValue>
                    Flandres
                </lido:appellationValue>
                <lido:namePlaceSet/>
            </lido:partOfPlace>
        </lido:namePlaceSet>
    </lido:namePlaceSet>
</lido:place>
```

### 15.2 politicalEntity attribute

<table>
<thead>
<tr>
<th>Name</th>
<th>politicalEntity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>The kind of political entity a place is.</td>
</tr>
<tr>
<td>Value</td>
<td>&quot;country&quot;, &quot;region&quot; or &quot;town&quot;.</td>
</tr>
</tbody>
</table>
Example:

```xml
<lido:partOfPlace lido:politicalEntity="country">
  <lido:namePlaceSet>
    <lido:appellationValue>
      France
    </lido:appellationValue>
  </lido:namePlaceSet>
</lido:partOfPlace>
```

### 15.3 geographicalEntity attribute

<table>
<thead>
<tr>
<th>Name</th>
<th>geographicalEntity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>The kind of geographical entity a place is.</td>
</tr>
<tr>
<td>Value</td>
<td>&quot;continent&quot; or &quot;area&quot;.</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:place lido:geographicalEntity="area">
  <lido:namePlaceSet>
    <lido:appellationValue>
      The Alps
    </lido:appellationValue>
  </lido:namePlaceSet>
</lido:place>
```

### 15.4 placeID element

<table>
<thead>
<tr>
<th>Name</th>
<th>placeID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Identifier of a place.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:pref</td>
<td>optional</td>
<td>&quot;local&quot;</td>
<td></td>
</tr>
<tr>
<td>lido:type</td>
<td>mandatory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lido:source</td>
<td>optional</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Value         | The identifier given to the place. |
Example:

```xml
<lido:placeID lido:type="local"> 0900710 </lido:placeID>
<lido:placeID>
<lido:placeNameSet>
    <lido:appellationValue>
        Europe
    </lido:appellationValue>
    <lido:appellationValue>
    </lido:placeNameSet>
</lido:placeID>
```

### 15.5 placeNameSet element

<table>
<thead>
<tr>
<th>Name</th>
<th>placeNameSet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>The name of a geographic place. If there are different names of the same place, for instance, today's and historical names, repeat this element.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td></td>
</tr>
<tr>
<td>lido:appellationValue</td>
<td>mandatory</td>
</tr>
<tr>
<td>lido:sourceAppellation</td>
<td>optional</td>
</tr>
</tbody>
</table>

The name of the place is stored in the lido:appellationValue element. The name of the thesaurus can be stored in the lido:sourceAppellation element.

<table>
<thead>
<tr>
<th>Name</th>
<th>appellationValue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Attributes</td>
<td>Name</td>
</tr>
<tr>
<td>lido:pref xml:lang</td>
<td>optional</td>
</tr>
<tr>
<td>Value</td>
<td>The name of the place.</td>
</tr>
</tbody>
</table>

*(see Appellation for complete description)*

Example:

```xml
<lido:namePlaceSet>
    <lido:appellationValue>
        Anvers
    </lido:appellationValue>
</lido:namePlaceSet>
```
### 15.6 partOfPlace element

<table>
<thead>
<tr>
<th>Name</th>
<th>partOfPlace</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>allows for indexing larger geographical entities.</td>
</tr>
<tr>
<td>Attributes</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Obligation</td>
</tr>
<tr>
<td>lido:politicalEntity</td>
<td>optional</td>
</tr>
<tr>
<td>lido:geographicalEntity</td>
<td>optional</td>
</tr>
<tr>
<td>Sub-elements</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Obligation</td>
</tr>
<tr>
<td>lido:placeID</td>
<td>optional</td>
</tr>
<tr>
<td>lido:placeNameSet</td>
<td>optional</td>
</tr>
<tr>
<td>lido:partOfPlace</td>
<td>optional</td>
</tr>
<tr>
<td>lido:placeClassification</td>
<td>optional</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:place lido:politicalEntity="town">
    <lido:namePlaceSet>
        <lido:appellationValue>
            Anvers
        </lido:appellationValue>
    </lido:namePlaceSet>
    <lido:partOfPlace lido:politicalEntity="country">
        <lido:namePlaceSet>
            <lido:appellationValue>
                Flandres
            </lido:appellationValue>
        </lido:namePlaceSet>
    </lido:partOfPlace>
</lido:place>
```
16 Date and period name

Date and period name description takes part to event description. A date is characterized by:
- a beginning
- an end

A period name defines a range of dates. This should be a controlled value.

16.1 earliestDate element

<table>
<thead>
<tr>
<th>Name</th>
<th>earliestDate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>A year or exact date that broadly delimits the beginning of an implied date span.</td>
</tr>
<tr>
<td>Value</td>
<td>Format: YYYY[-MM[-DD]]</td>
</tr>
</tbody>
</table>

Example:

<lido:earliestDate>
  1880
</lido:earliestDate>

16.2 latestDate element

<table>
<thead>
<tr>
<th>Name</th>
<th>latestDate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>A year or exact date that broadly delimits the end of an implied date span.</td>
</tr>
<tr>
<td>Value</td>
<td>Format: YYYY[-MM[-DD]]</td>
</tr>
</tbody>
</table>

Example:

<lido:latestDate>
  1890
</lido:latestDate>
16.3 *periodName element*

<table>
<thead>
<tr>
<th>Name</th>
<th>periodName</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>A period name defining the range of dates.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Name</td>
</tr>
<tr>
<td>lido:conceptID</td>
<td>optional</td>
</tr>
<tr>
<td>lido:term</td>
<td>optional</td>
</tr>
</tbody>
</table>

The period name has to be specified in the lido:term element

<table>
<thead>
<tr>
<th>Name</th>
<th>term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Attributes</td>
<td>Name</td>
</tr>
<tr>
<td>lido:pref</td>
<td>optional</td>
</tr>
<tr>
<td>xml:lang</td>
<td>optional</td>
</tr>
<tr>
<td>Value</td>
<td>The period name.</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:periodName>
  <lido:term xml:lang="fr">vers 1882</lido:term>
</lido:periodName>
```

17 *Materials and techniques*

Materials and techniques description takes part to event description.

17.1 *displayMaterialsTech element*

<table>
<thead>
<tr>
<th>Name</th>
<th>displayMaterialsTech</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Display element for a materials and techniques specification. It is presented in syntax suitable for display to the end-user and including any necessary indications of uncertainty, ambiguity, and nuance. Repeat this element only for language variants.</td>
</tr>
<tr>
<td>Attributes</td>
<td>Name</td>
</tr>
<tr>
<td>------------</td>
<td>------</td>
</tr>
<tr>
<td>xml:lang</td>
<td>optional</td>
</tr>
</tbody>
</table>

Value: Free text. Can be the concatenation of information described in the termMaterialsTech elements.

Example:

```
```

### 17.2 materialsTech element

<table>
<thead>
<tr>
<th>Name</th>
<th>materialsTech</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Set to index materials and techniques. Contains all materials and techniques related to an instrument.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>lido:termMaterialsTech</td>
</tr>
</tbody>
</table>

Example:

```
<lido:MaterialsTech>
    <lido:termMaterialsTech lido:type="Material"><lido:term>
        Ivoire
    </lido:term>
</lido:termMaterialsTech>
    <lido:termMaterialsTech lido:type="Material"><lido:term>
        Ebène
    </lido:term>
</lido:MaterialsTech>
```

### 17.3 termMaterialsTech element

<table>
<thead>
<tr>
<th>Name</th>
<th>termMaterialsTech</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
</tbody>
</table>
### Definition
Element to index a material or a technique related to an instrument. If there are different materials and/or techniques used, repeat this element.

### Attributes
<table>
<thead>
<tr>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:type</td>
<td>optional</td>
<td>&quot;material&quot; or &quot;technique&quot;</td>
</tr>
</tbody>
</table>

### Sub-elements
<table>
<thead>
<tr>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:conceptID</td>
<td>optional</td>
<td>not repeatable</td>
</tr>
<tr>
<td>lido:term</td>
<td>optional</td>
<td>repeatable</td>
</tr>
</tbody>
</table>

The value of the termMaterialsTech element has to be specified in the lido:term element.

<table>
<thead>
<tr>
<th>Name</th>
<th>term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>xml:lang</td>
<td>optional</td>
<td>&quot;de&quot;, &quot;en&quot;, &quot;fr&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
</tr>
</tbody>
</table>

| Value                  | The material or technique name or description. |

(see Concept for complete description)

Example:

```xml
<lido:termMaterialsTech lido:type="material">
  <lido:term xml:lang="fr">
    Ivoire
  </lido:term>
</lido:termMaterialsTech>
```

### 18 Actor

Actor description takes part to event description. An actor is characterized by:
- his identifier
- his name
- his nationality
- his vital dates
- his gender
18.1 actor element

<table>
<thead>
<tr>
<th>Name</th>
<th>actor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Contains identifying, indexing actor information.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:actorType</td>
<td>optional</td>
<td>&quot;person&quot;, &quot;corporate&quot; or &quot;family&quot;</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:actorID</td>
<td>optional mandatory</td>
<td>repeatable</td>
<td></td>
</tr>
<tr>
<td>lido:nameActorSet</td>
<td>optional</td>
<td>repeatable</td>
<td></td>
</tr>
<tr>
<td>lido:nationalityActor</td>
<td>optional</td>
<td>repeatable</td>
<td></td>
</tr>
<tr>
<td>lido:vitalDatesActor</td>
<td>optional</td>
<td>not repeatable</td>
<td></td>
</tr>
<tr>
<td>lido:genderActor</td>
<td>optional</td>
<td>not repeatable</td>
<td></td>
</tr>
</tbody>
</table>

The actorType attribute indicates if the actor is an individual, a group of individuals or a corporate body (a firm, for instance), or a family of instruments makers.

Example:

```xml
<lido:actor lido:actorType="person">
  <lido:actorID lido:type="local">
    0466189
  </lido:actorID>
  <lido:nameActorSet>
    <lido:appellationValue>
      Ruckers, Andreas
    </lido:appellationValue>
  </lido:nameActorSet>
</lido:actor>
```

18.2 actorID element

<table>
<thead>
<tr>
<th>Name</th>
<th>actorID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Identifier of an actor.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:pref</td>
<td>optional</td>
<td>&quot;local&quot;</td>
<td></td>
</tr>
<tr>
<td>lido:type</td>
<td>mandatory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lido:source</td>
<td>optional</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Value The actor identifier.
Example:

```xml
<lido:actor lido:actorType="person">
  <lido:actorID lido:type="local">0466189</lido:actorID>
  <lido:nameActorSet>
    <lido:appellationValue>
      Ruckers, Andreas
    </lido:appellationValue>
  </lido:nameActorSet>
  …
</lido:actor>
```

### 18.3 `actorNameSet` element

<table>
<thead>
<tr>
<th>Name</th>
<th>actorNameSet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Names or other identifiers assigned to an individual, group of people, firm or other corporate body, or family of instruments makers or other entity implied in an event.</td>
</tr>
</tbody>
</table>

#### Sub-elements

<table>
<thead>
<tr>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:appellationValue</td>
<td>mandatory</td>
<td>not repeatable</td>
</tr>
<tr>
<td>lido:sourceAppellation</td>
<td>optional</td>
<td>repeatable</td>
</tr>
</tbody>
</table>

The actor's name has to be specified in the `lido:appellationValue` element.

<table>
<thead>
<tr>
<th>Name</th>
<th>appellationValue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
</tbody>
</table>

#### Attributes

<table>
<thead>
<tr>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>xml:lang</td>
<td>optional</td>
<td>&quot;de&quot;, &quot;en&quot;, &quot;fi&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
</tr>
</tbody>
</table>

#### Value

The actor's name.

*(see Appellation for complete description)*

A controlled list giving the names of instrument makers will be available. For other kinds of actors, there is no control on their name.
Example:

```xml
<lido:nameActorSet>
  <lido:appellationValue>
    Pleyel
  </lido:appellationValue>
</lido:nameActorSet>
```

18.4 nationalityActor element

<table>
<thead>
<tr>
<th>Name</th>
<th>nationalityActor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Element indicating the national or cultural affiliation of a person or corporate body or family of instruments makers.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td>Name</td>
</tr>
<tr>
<td>lido:conceptID</td>
<td>optional</td>
</tr>
<tr>
<td>lido:term</td>
<td>optional</td>
</tr>
</tbody>
</table>

The value of the nationality has to be specified in the lido:term element.

Example:

```xml
<lido:nationalityActor>
  <lido:term>
    French
  </lido:term>
</lido:nationalityActor>
```

18.5 birthDate attribute

<table>
<thead>
<tr>
<th>Name</th>
<th>birthDate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:birthDate>
  <lido:term>
    French
  </lido:term>
</lido:birthDate>
```
<table>
<thead>
<tr>
<th>Definition</th>
<th>Specifies the birth date of an artist or the date of founding of a corporate body or the date of beginning of activity for a family of instruments makers.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>Format (YYYY[-MM-[DD]]) preferred, other formats authorized</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:actor lido:actorType="person">
    <lido:nameActorSet>
        <lido:appellationValue>
            Monteverdi, Claudio
        </lido:appellationValue>
    </lido:nameActorSet>
    <lido:vitalDatesActor lido:birthDate="1567-05" lido:deathDate="1643-11-29">
        1567-1643
    </lido:vitalDatesActor>
</lido:actor>
```

**18.6 deathDate attribute**

<table>
<thead>
<tr>
<th>Name</th>
<th>deathDate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Specifies the death date of an artist or the date of founding of a corporate body or the date of end of activity for a family of instruments makers.</td>
</tr>
<tr>
<td>Value</td>
<td>Format (YYYY[-MM-[DD]]) preferred, other formats authorized</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:actor lido:actorType="person">
    <lido:nameActorSet>
        <lido:appellationValue>
            Monteverdi, Claudio
        </lido:appellationValue>
    </lido:nameActorSet>
    <lido:vitalDatesActor lido:birthDate="1567-05" lido:deathDate="1643-11-29">
        1567-1643
    </lido:vitalDatesActor>
</lido:actor>
```

**18.7 vitalDatesActor element**

<table>
<thead>
<tr>
<th>Name</th>
<th>vitalDatesActor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
</tbody>
</table>
**Definition**

Description of the lifespan of a person or the existence of a corporate body or of the activity of a family of instruments makers, using “ca.” and any other expressions of uncertainty or nuance.

For birth and death date attributes, record years of birth and death, estimated where necessary.

For a corporate body, use birthdate and deathdate to record the dates of founding and dissolution.

For a family, use birthdate and deathdate to record the dates of beginning and end of activity.

Although this is not a mandatory field the use of birth date and death date is strongly recommended in the case of artists.

If only a reference period (not the exact period of life) of a person is known, and the event in which the person took part cannot be exactly dated, then the reference period should be taken as the dating of the event.

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:birthDate</td>
<td>lido:deathDate</td>
<td>optional</td>
<td>see above</td>
</tr>
<tr>
<td>xml:lang</td>
<td></td>
<td>optional</td>
<td>&quot;de&quot;, &quot;en&quot;, &quot;fr&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
</tr>
</tbody>
</table>

**Value**

Free text.

Example:

```xml
<lido:vitalDatesActor lido:birthDate="1567-05" lido:deathDate="1643-11-29">
  1567-1643
</lido:vitalDatesActor>
```

**18.8 genderActor element**

<table>
<thead>
<tr>
<th>Name</th>
<th>actor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
</tbody>
</table>

**Definition**
The sex of an individual. Not applicable for corporate bodies and families.

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>xml:lang</td>
<td></td>
<td>optional</td>
<td>&quot;de&quot;, &quot;en&quot;, &quot;fr&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
</tr>
</tbody>
</table>

**Value**

"male", "female", "unknown", "not applicable"

Example:

```xml
<lido:genderActor>
  male
</lido:genderActor>
```
19 Role

Role description takes part to event description.

19.1 displayActorInRole element

<table>
<thead>
<tr>
<th>Name</th>
<th>displayActorInRole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td></td>
</tr>
</tbody>
</table>

Display element for an actor playing a role in an event. May include name, brief biographical information, and roles (if necessary) of the named actor, presented in a syntax suitable for display to the end-user and including any necessary indications of uncertainty, ambiguity, and nuance. If there is no known actor, make a reference to the presumed culture or nationality of the unknown actor. May be concatenated from the respective lido:actor element. The name should be in natural order, if possible, although inverted order is acceptable. Include nationality and life dates. For unknown actors, use expressions like "unknown," "unknown Chinese," "Chinese," or "unknown 15th century Chinese." Repeat this element only for language variants.

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>xml:lang</td>
<td></td>
<td>optional</td>
<td>&quot;de&quot;, &quot;en&quot;, &quot;fr&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
</tr>
</tbody>
</table>

Value | Free text.

Example:

```
<lido:displayActorInRole xml:lang="fr">  
Andreas Ruckers (1607-1655), facteur  
</lido:displayActorInRole>

<lido:displayActorInRole xml:lang="en">  
Andreas Ruckers (1607-1655), instrument maker  
</lido:displayActorInRole>
```

19.2 actorInRole element

<table>
<thead>
<tr>
<th>Name</th>
<th>actorInRole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>A set to describe an actor and its roles.</td>
</tr>
</tbody>
</table>
Example:

```xml
<lido:actorInRole>
  <lido:actor lido:actorType="person">
    <lido:actorID lido:type="local">0466189</lido:actorID>
    <lido:nameActorSet>
      <lido:appellationValue>
        Ruckers, Andreas
      </lido:appellationValue>
    </lido:nameActorSet>
  </lido:actor>
  <lido:roleActor>
    <lido:term xml:lang="fr">
      Facteur
    </lido:term>
  </lido:roleActor>
</lido:actorInRole>
```

### 19.3 roleActor element

<table>
<thead>
<tr>
<th>Name</th>
<th>roleActor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Role of an actor in the event. Belongs to a controlled list.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:conceptID</td>
<td>optional</td>
<td>not repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:term</td>
<td>optional</td>
<td>repeatable</td>
</tr>
</tbody>
</table>

The actor's role has to be specified in the lido:term element.

<table>
<thead>
<tr>
<th>Name</th>
<th>term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>xml:lang</td>
<td>optional</td>
<td>&quot;de&quot;, &quot;en&quot;, &quot;fr&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
</tr>
</tbody>
</table>

Value: The description of the role.

(see Concept for complete description)
Example:

```
<lido:roleActor>
  <lido:term xml:lang="fr">
    Facteur
  </lido:term>
</lido:roleActor>
```

## 20 Event

An event is composed of:
- an identifier
- a name
- a type
- the actor(s) involved
- the nationality or cultural belonging of these actors
- the dates of the event
- the period name attached to the event
- the place of the event
- the materials and techniques possibly used

### 20.1 eventWrap element

<table>
<thead>
<tr>
<th>Name</th>
<th>eventWrap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>A wrapper for event sets. Contains all the events related to an instrument.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:eventSet</td>
<td>optional</td>
<td>not repeatable</td>
<td></td>
</tr>
</tbody>
</table>

### 20.2 eventSet element

<table>
<thead>
<tr>
<th>Name</th>
<th>eventSet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Set for display and index elements for an event in which the described instrument is implied in. For multiple events repeat this element.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:displayEvent</td>
<td>optional</td>
<td>repeatable</td>
<td></td>
</tr>
<tr>
<td>lido:event</td>
<td>optional</td>
<td>not repeatable</td>
<td></td>
</tr>
</tbody>
</table>
20.3 **displayEvent**

<table>
<thead>
<tr>
<th>Name</th>
<th>displayEvent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Display element for an event. Repeat this element only for language variants.</td>
</tr>
<tr>
<td>Attribute</td>
<td>Name</td>
</tr>
<tr>
<td>xml:lang</td>
<td>optional</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:eventWrap>
  <lido:eventSet>
    <lido:displayEvent>
      Fabriqué par Andreas Ruckers à Anvers en 1646
    </lido:displayEvent>
    <lido:event>
      …
    </lido:event>
  </lido:eventSet>
</lido:eventWrap>
```

20.4 **event element**

<table>
<thead>
<tr>
<th>Name</th>
<th>event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Set containing information describing and indexing an event.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:eventID</td>
<td>optional</td>
<td>repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:eventType</td>
<td>mandatory</td>
<td>not repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:eventName</td>
<td>optional</td>
<td>repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:eventActor</td>
<td>optional</td>
<td>repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:culture</td>
<td>optional</td>
<td>not repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:eventDate</td>
<td>optional</td>
<td>repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:periodName</td>
<td>optional</td>
<td>not repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:eventPlace</td>
<td>optional</td>
<td>repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:eventMaterialsTech</td>
<td>optional</td>
<td>repeatable</td>
</tr>
</tbody>
</table>
Example:

```xml
<lido:event>
  <lido:eventType>
    <lido:term>
      Fabrication
    </lido:term>
  </lido:eventType>
  <lido:eventActor>
    <lido:displayActorInRole>
      Andreas Ruckers (1607-1655), facteur
    </lido:displayActorInRole>
    <lido:actorInRole>
      <lido:actor lido:actorType="person">
        <lido:actorID lido:type="local">
          0466189
        </lido:actorID>
        <lido:nameActorSet>
          <lido:appellationValue>
            Ruckers, Andreas
          </lido:appellationValue>
        </lido:nameActorSet>
      </lido:actor>
      <lido:roleActor>
        <lido:term>
          Facteur
        </lido:term>
      </lido:roleActor>
    </lido:actorInRole>
  </lido:eventActor>
  <lido:culture>
    <lido:term>
      Flamand
    </lido:term>
  </lido:culture>
  <lido:eventDate lido:type="local">
    <lido:displayDate>
      année de fabrication : 1646
    </lido:displayDate>
    <lido:date>
      <lido:earliestDate>
        1646
      </lido:earliestDate>
      <lido:latestDate>
        1646
      </lido:latestDate>
    </lido:date>
  </lido:eventDate>
</lido:event>
```
Anvers, Flandres
</lido:displayPlace>
<lido:place lido:politicalEntity="town">
  <lido:namePlaceSet>
    <lido:appellationValue>
      Anvers
    </lido:appellationValue>
  </lido:namePlaceSet>
</lido:place>
<lido:partOfPlace lido:politicalEntity="country">
  <lido:namePlaceSet>
    <lido:appellationValue>
      Flandres
    </lido:appellationValue>
  </lido:namePlaceSet>
</lido:partOfPlace>
</lido:eventPlace>
<lido:eventMaterialsTech>
  <lido:displayMaterialsTech>
    Ivoire, Ebène
  </lido:displayMaterialsTech>
  <lido:termMaterialsTech>
    <lido:term lido:type="Material">
      Ivoire
    </lido:term>
    <lido:term lido:type="Material">
      Ebène
    </lido:term>
  </lido:termMaterialsTech>
</lido:eventMaterialsTech>
</lido:event>
...

20.5 eventID element

<table>
<thead>
<tr>
<th>Name</th>
<th>eventID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Identifier of an event.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:pref</td>
<td>optional</td>
<td></td>
</tr>
<tr>
<td></td>
<td>lido:type</td>
<td>mandatory</td>
<td></td>
</tr>
<tr>
<td></td>
<td>lido:source</td>
<td>optional</td>
<td>&quot;local&quot;</td>
</tr>
<tr>
<td>Value</td>
<td>The identifier given to the event by the contributor.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 20.6 eventName element

<table>
<thead>
<tr>
<th>Name</th>
<th>eventName</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>The name of an event.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:appellationValue</td>
<td>mandatory</td>
<td>not repeatable</td>
<td></td>
</tr>
<tr>
<td>lido:sourceAppellation</td>
<td>optional</td>
<td>repeatable</td>
<td></td>
</tr>
</tbody>
</table>

The name of the event is stored in the lido:appellationValue element.

<table>
<thead>
<tr>
<th>Name</th>
<th>appellationValue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:pref</td>
<td>xml:lang</td>
<td>optional</td>
<td>&quot;preferred&quot; or &quot;alternate&quot; &quot;de&quot;, &quot;en&quot;, &quot;fr&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
</tr>
</tbody>
</table>

(see Appellation for complete description)

### 20.7 eventType element

<table>
<thead>
<tr>
<th>Name</th>
<th>eventType</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Qualifier of the event: &quot;creation&quot;, &quot;find&quot;, &quot;making&quot;... Data values should be controlled and translated. LIDO recommended: defined list of subclasses of CIDOC-CRM entity E5 Event. List to be analysed. Values foreseen for MIMO: making; repairing; ownership; playing (by)...</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:conceptID</td>
<td>optional</td>
<td>not repeatable</td>
<td></td>
</tr>
<tr>
<td>lido:term</td>
<td>optional</td>
<td>repeatable</td>
<td></td>
</tr>
</tbody>
</table>

The type has to be specified in the lido:term element.
<table>
<thead>
<tr>
<th>Name</th>
<th>eventActor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Set describing information about an actor and its role(s) in an event.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td></td>
</tr>
<tr>
<td>lido:displayActorInRole</td>
<td>optional</td>
</tr>
<tr>
<td>lido:actorInRole</td>
<td>optional</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:eventActor>
  <lido:displayActorInRole>
    Andreas Ruckers (1607-1655), facteur
  </lido:displayActorInRole>
  <lido:actorInRole>
    <lido:actor lido:actorType="person">
      <lido:actorID lido:type="local">
        0466189
      </lido:actorID>
    </lido:actor>
    <lido:nameActorSet>
      <lido:appellationValue>
        Ruckers, Andreas
      </lido:appellationValue>
    </lido:nameActorSet>
  </lido:actorInRole>
</lido:eventActor>
```
20.9 culture element

<table>
<thead>
<tr>
<th>Name</th>
<th>culture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Name of a culture, people, or nationality participating in an event.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:conceptID</td>
<td>optional</td>
<td>not repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:term</td>
<td>optional</td>
<td>repeatable</td>
</tr>
</tbody>
</table>

The specification of the culture is stored in the lido:term element and is taken from a thesaurus (list of ethnonyms).

<table>
<thead>
<tr>
<th>Name</th>
<th>term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:pref</td>
<td>optional</td>
<td>&quot;preferred&quot; or &quot;alternate&quot;</td>
</tr>
<tr>
<td></td>
<td>xml:lang</td>
<td>optional</td>
<td>de&quot;, &quot;en&quot;, &quot;fr&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
</tr>
</tbody>
</table>

Value: The description of the role.

(see Concept for complete description)

Example:

```xml
<lido:culture>
  <lido:term>
    Mangbetu
  </lido:term>
</lido:culture>
```
### 20.10 eventDate element

<table>
<thead>
<tr>
<th>Name</th>
<th>eventDate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>A set containing information describing and indexing the date of an event.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>lido:displayDate</td>
</tr>
<tr>
<td></td>
<td>lido:date</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:eventDate>
  <lido:displayDate>
    année de fabrication : 1646
  </lido:displayDate>
  <lido:date>
    <lido:earliestDate>
      1646
    </lido:earliestDate>
    <lido:latestDate>
      1646
    </lido:latestDate>
  </lido:date>
</lido:eventDate>
```

### 20.11 periodName element

<table>
<thead>
<tr>
<th>Name</th>
<th>periodName</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>A period defining the range of dates. Data values should be controlled.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>lido:conceptID</td>
</tr>
<tr>
<td></td>
<td>lido:term</td>
</tr>
</tbody>
</table>

### 20.12 eventPlace element

<table>
<thead>
<tr>
<th>Name</th>
<th>eventPlace</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>A set containing information describing and indexing the place of an event.</td>
</tr>
<tr>
<td>Attributes</td>
<td>Name</td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td></td>
<td>lido:type</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:displayPlace</td>
<td>optional</td>
<td>repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:place</td>
<td>optional</td>
<td>not repeatable</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:eventPlace>
  <lido:displayPlace>
    Anvers, Flandres
  </lido:displayPlace>
  <lido:place lido:politicalEntity="town">
    <lido:namePlaceSet>
      <lido:appellationValue>
        Anvers
      </lido:appellationValue>
    </lido:namePlaceSet>
    <lido:partOfPlace lido:politicalEntity="country">
      <lido:namePlaceSet>
        <lido:appellationValue>
          Flandres
        </lido:appellationValue>
      </lido:namePlaceSet>
    </lido:partOfPlace>
  </lido:place>
</lido:eventPlace>
```

### 20.13 eventMaterialsTech element

<table>
<thead>
<tr>
<th>Name</th>
<th>eventMaterialsTech</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Name space</th>
<th>lido</th>
</tr>
</thead>
</table>

| Definition | A set containing information describing and indexing the materials and/or techniques used in an event. |

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido;displayMaterialsTech</td>
<td>optional</td>
<td>repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:materialsTech</td>
<td>optional</td>
<td>not repeatable</td>
</tr>
</tbody>
</table>
Example:

```xml
<lido:eventMaterialsTech>
  <lido:displayMaterialsTech xml:lang="fr">
    Ivoire, Ebène
  </lido:displayMaterialsTech>
  <lido:materialsTech>
    <lido:termMaterialsTech lido:type="Material">
      <lido:term>
        Ivoire
      </lido:term>
    </lido:termMaterialsTech>
    <lido:termMaterialsTech lido:type="Material">
      <lido:term>
        Ebène
      </lido:term>
    </lido:termMaterialsTech>
  </lido:materialsTech>
</lido:eventMaterialsTech>
```

### 20.14 eventDescriptionSet element

<table>
<thead>
<tr>
<th>Name</th>
<th>eventDescriptionSet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>A set containing information describing an event.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td></td>
</tr>
<tr>
<td>lido:descriptiveNoteValue</td>
<td>optional</td>
</tr>
<tr>
<td>lido:sourceDescriptiveNote</td>
<td>optional</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:eventDescriptionSet>
  <lido:descriptiveNoteValue xml:lang="fr">
    Sautereaux de registre de peau de buffle * Sautereaux de l'extrême fa * Allongement dans l'aigu des sillets et chevalets de 4'et 8' * Mécanisme de genouillères * Barrage de caisse refait * Epaissement des éclisses de 14 à 25 mm * Décor et piétement
  </lido:descriptiveNoteValue>
  <lido:sourceDescriptiveNote>
    Musée instrumental du CNSM : La facture instrumentale européenne, 1985
  </lido:sourceDescriptiveNote>
</lido:eventDescriptionSet>
```

(See paragraphs 13.3 and 13.4 for a description of lido:descriptiveNoteValue and lido:sourceDescriptiveNote elements).
21 Subjects

A subject describes what is depicted in the paintings or any kind of decoration we may find on an instrument.

21.1 objectRelationWrap element

<table>
<thead>
<tr>
<th>Name</th>
<th>objectRelationWrap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Wrapper for subjects or related objects information.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:subjectWrap</td>
<td>optional</td>
<td>not repeatable</td>
<td></td>
</tr>
</tbody>
</table>

21.2 subjectWrap element

<table>
<thead>
<tr>
<th>Name</th>
<th>subjectWrap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Wrapper for subject's information.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:subjectSet</td>
<td>optional</td>
<td>repeatable</td>
<td></td>
</tr>
</tbody>
</table>

21.3 subjectSet element

<table>
<thead>
<tr>
<th>Name</th>
<th>subjectSet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Set for display and index a subject. For multiple subjects repeat this element.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:displaySubject</td>
<td>optional</td>
<td>repeatable</td>
<td></td>
</tr>
</tbody>
</table>
21.4 *displaySubject element*

<table>
<thead>
<tr>
<th>Name</th>
<th>displaySubject</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Description of the subject matter represented on the instrument.</td>
</tr>
<tr>
<td>Attribute</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>xml:lang</td>
</tr>
<tr>
<td>Value</td>
<td>A free-text description of the subject matter represented on the instrument.</td>
</tr>
</tbody>
</table>

22 Rights

The rights described in this set of elements are those regarding the metadata themselves and their use.

22.1 *rightsWorkWrap element*

<table>
<thead>
<tr>
<th>Name</th>
<th>rightsWorkWrap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Wrapper for rights information.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>lido:rightsWorkSet</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:rightsWorkWrap>
  <lido:rightsWorkSet>
    <lido:rightsType>
      copyrights
    </lido:rightsType>
    <lido:rightsHolder>
      <lido:legalBodyName>
        <lido:appellationValue>
          Germanisches Nationalmuseum Nürnberg
        </lido:appellationValue>
      </lido:legalBodyName>
    </lido:rightsHolder>
  </lido:rightsWorkSet>
</lido:rightsWorkWrap>
```
22.2 rightsWorkSet element

<table>
<thead>
<tr>
<th>Name</th>
<th>rightsWorkSet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Information about rights management; may include copyright and other intellectual property statements required for use of the metadata.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:rightsType</td>
<td>optional</td>
<td>repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:rightsDate</td>
<td>optional</td>
<td>repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:rightsHolder</td>
<td>optional</td>
<td>repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:creditLine</td>
<td>optional</td>
<td>repeatable</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:rightsWorkSet>
  <lido:rightsType>
    copyrights
  </lido:rightsType>
  <lido:rightsHolder>
    <lido:legalBodyName>
      <lido:appellationValue>
        Germanisches Nationalmuseum Nürnberg
      </lido:appellationValue>
    </lido:legalBodyName>
  </lido:rightsHolder>
</lido:rightsWorkSet>
```

22.3 rightsType element

<table>
<thead>
<tr>
<th>Name</th>
<th>rightsType</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Information about rights types.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>xml:lang</td>
<td></td>
<td>optional</td>
<td>&quot;de&quot;, &quot;en&quot;, &quot;fr&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
</tr>
<tr>
<td>Value</td>
<td></td>
<td></td>
<td>&quot;copyrights&quot;, &quot;trademark&quot;, &quot;registered&quot;, etc… (open list)</td>
</tr>
</tbody>
</table>
Example:

```xml
<lido:rightsType>
copyrights
</lido:rightsType>
```

### 22.4 rightsDate element

<table>
<thead>
<tr>
<th>Name</th>
<th>rightsDate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Information about rights dates.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>lido:earliestDate</td>
</tr>
<tr>
<td></td>
<td>lido:latestDate</td>
</tr>
</tbody>
</table>

(see Date description paragraph)

### 22.5 rightsHolder element

<table>
<thead>
<tr>
<th>Name</th>
<th>rightsHolder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Information about rights holder.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>lido:legalBodyID</td>
</tr>
<tr>
<td></td>
<td>lido:legalBodyName</td>
</tr>
<tr>
<td></td>
<td>lido:legalBodyWeblink</td>
</tr>
</tbody>
</table>

(see Legal body description paragraph)

Example:

```xml
<lido:rightsHolder>
  <lido:legalBodyName>
    <lido:appellationValue>
      Germanisches Nationalmuseum Nürnberg
    </lido:appellationValue>
  </lido:legalBodyName>
</lido:rightsHolder>
```
### 22.6 creditLine element

<table>
<thead>
<tr>
<th>Name</th>
<th>creditLine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Naming specification for rights holder. Repeat this element only for language variants.</td>
</tr>
<tr>
<td>Attribute</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>xml:lang</td>
</tr>
</tbody>
</table>

### 23 Record

This set of elements is used to index information about the record that contains cataloguing information.

#### 23.1 recordWrap element

<table>
<thead>
<tr>
<th>Name</th>
<th>recordWrap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Wrapper for information about the record that contains the cataloguing information.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>lido:recordID</td>
<td>mandatory</td>
</tr>
<tr>
<td>lido:recordType</td>
<td>mandatory</td>
</tr>
<tr>
<td>lido:recordSource</td>
<td>mandatory</td>
</tr>
</tbody>
</table>

#### 23.2 recordID element

<table>
<thead>
<tr>
<th>Name</th>
<th>recordID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>A unique record identification in the contributor's (local) system.</td>
</tr>
<tr>
<td>Attribute</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>lido:pref</td>
<td>optional</td>
</tr>
<tr>
<td>lido:type</td>
<td>mandatory</td>
</tr>
<tr>
<td>lido:source</td>
<td>optional</td>
</tr>
<tr>
<td>Value</td>
<td>The identifier given to the record by the contributor.</td>
</tr>
</tbody>
</table>
23.3 recordType element

<table>
<thead>
<tr>
<th>Name</th>
<th>recordType</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Term establishing whether the record represents an individual item or a collection, series, or group of instruments.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>xml:lang</td>
<td></td>
<td>optional</td>
<td>&quot;de&quot;, &quot;en&quot;, &quot;fr&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
</tr>
<tr>
<td>Value</td>
<td></td>
<td></td>
<td>&quot;item&quot;, &quot;collection&quot;, &quot;series&quot;, &quot;group of works&quot;, etc…</td>
</tr>
</tbody>
</table>

23.4 recordSource element

<table>
<thead>
<tr>
<th>Name</th>
<th>recordSource</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>The source (legal body) of information in this record, generally the repository or other institution.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:legalBodyID</td>
<td>optional</td>
<td>repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:legalBodyName</td>
<td>optional</td>
<td>repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:legalBodyWeblink</td>
<td>optional</td>
<td>repeatable</td>
</tr>
</tbody>
</table>

(see Legal body description paragraph)

In this context, at least the legalBodyID has to be completed with the "contributor identifier" (the prefix that identify the institution – see §5.2 lidoRecID element).

24 Resource

A resource is an image, a movie or a sound recording related to the recorded instrument.

24.1 resourceWrap element

<table>
<thead>
<tr>
<th>Name</th>
<th>resourceWrap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
</tbody>
</table>
Definition
Wrapper for audiovisual information identifying an image of the instrument (including digital images, slides, transparencies, photographs, and moving images) or a sound recording, but excluding items that are considered works in their own right.

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:resourceSet</td>
<td>optional</td>
<td>repeatable</td>
</tr>
</tbody>
</table>

Example:

...

<lido:resourceWrap>
   <lido:resourceSet>
      <lido:linkResource>
         http://mediatheque.cite-musique.fr/masc/play.asp?ID=0250599
      </lido:linkResource>
      <lido:resourceID lido:type="local">CMIM000015238.jpg</lido:resourceID>
      <lido:resourceType lido:type="local">digital image</lido:resourceType>
   </lido:resourceSet>
</lido:resourceWrap>
...

24.2 resourceSet element

<table>
<thead>
<tr>
<th>Name</th>
<th>resourceSet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Set for information about a resource. If there are multiple resources associated with the instrument, repeat this element.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-elements</th>
<th>Name</th>
<th>Obligation</th>
<th>Occurrence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:linkResource</td>
<td>optional</td>
<td>not repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:resourceID</td>
<td>optional</td>
<td>repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:resourceType</td>
<td>optional</td>
<td>repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:rightsResource</td>
<td>optional</td>
<td>repeatable</td>
</tr>
<tr>
<td></td>
<td>lido:resourceViewDescription</td>
<td>optional</td>
<td>not repeatable</td>
</tr>
</tbody>
</table>
### 24.3 `linkResource` element

<table>
<thead>
<tr>
<th>Name</th>
<th>linkResource</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Weblink to the resource.</td>
</tr>
<tr>
<td>Value</td>
<td>An URL reference to the resource.</td>
</tr>
</tbody>
</table>

Example:

```xml
...<lido:linkResource>
    http://mediatheque.cite-musique.fr/masc/play.asp?ID=0250599
</lido:linkResource>
...```

### 24.4 `resourceID` element

<table>
<thead>
<tr>
<th>Name</th>
<th>resourceID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>The unique numeric or alphanumerical identification of the resource.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>lido:pref</td>
<td>mandatory for one - and only one - of the images described among the resources <strong>(MIMO specificity)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>lido:type</td>
<td>mandatory optional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lido:source</td>
<td></td>
<td>&quot;preferred&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Example:

```xml
...<lido:resourceID lido:type="local"> CMIM000015238.jpg </lido:resourceID>
...```

One of the images described in the resources must be pointed out as the "preferred" image (due to Europeana necessity).
This is done by setting the lido:pref attribute of the lido:resourceID element to "preferred".

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Example:

\[
\ldots
\begin{array}{c}
\text{<lido:resourceID lido:type="local" lido:pref="preferred">} \\
\text{CMIM000022709.jpg} \\
\text{</lido:resourceID>} \\
\ldots
\end{array}
\]

24.5 resourceType element

<table>
<thead>
<tr>
<th>Name</th>
<th>resourceType</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>The generic identification of the medium of the image or other resource.</td>
</tr>
<tr>
<td>Attribute</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>xml:lang</td>
</tr>
</tbody>
</table>
| Value         | "digital image", "video", "sound recording", etc… (open list) ???
|               | TEXT, IMAGE, SOUND or VIDEO as in Europeana?? |

Example:

\[
\ldots
\begin{array}{c}
\text{<lido:resourceType>} \\
\text{digital image} \\
\text{</lido:resourceType>} \\
\ldots
\end{array}
\]

24.6 rightsResource element

<table>
<thead>
<tr>
<th>Name</th>
<th>rightsResource</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Information about rights regarding the image or other resource. Use this sub-element if the holder of the reproduction rights for the resource differs from the holder of rights for the instrument.</td>
</tr>
<tr>
<td>Sub-elements</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>lido:rightsType</td>
</tr>
<tr>
<td></td>
<td>lido:rightsDate</td>
</tr>
<tr>
<td></td>
<td>lido:rightsHolder</td>
</tr>
<tr>
<td></td>
<td>lido:creditLine</td>
</tr>
</tbody>
</table>

(see rightsWorkSet element description paragraph)
### 24.7 resourceViewDescription element

<table>
<thead>
<tr>
<th>Name</th>
<th>resourceViewDescription</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>A description of a resource.</td>
</tr>
</tbody>
</table>

#### Attribute

<table>
<thead>
<tr>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>xml:lang</td>
<td>optional</td>
<td>&quot;de&quot;, &quot;en&quot;, &quot;fi&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
</tr>
</tbody>
</table>

#### Value

A free text giving information about the resource (such as the legend of an image, the title of a piece of music, etc…)
25 Concept

A concept is a sequence of an optional identifier (conceptID) followed by optional terms. A concept sequence is always included in one of the following elements:
- objectWorkType
- classification
- periodName
- termMaterialsTech
- nationalityActor
- roleActor
- eventType
- culture

25.1 conceptID element

<table>
<thead>
<tr>
<th>Name</th>
<th>conceptID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Identifier of a concept.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:pref</td>
<td>optional</td>
<td>&quot;preferred&quot; or &quot;alternate&quot;</td>
</tr>
<tr>
<td></td>
<td>lido:type</td>
<td>mandatory</td>
<td>&quot;SH_Class&quot; for classification</td>
</tr>
<tr>
<td></td>
<td>lido:source</td>
<td>optional</td>
<td>other values?</td>
</tr>
</tbody>
</table>

Value

There is no controlled list of identifiers. Suggested values include but are not limited to the following:
- doi (Digital Objects Identifier)
- guid (Globally Unique IDentifier)
- hdl (Handle)
- isbn (International Standard Book Number)
- ismn (International Standard Music Number)
- isrc (International Standard Recording Code)
- issn (International Standard Serials Number)
- purl (Persistent Uniform Resource Locator)
- url (Uniform Resource Locator)
- urn (Uniform Resource Name)
- permalink
- local
...
Example:

```xml
<lido:conceptID lido:type="SH_Class">412.13</lido:conceptID>
<lido:term>
  Free reeds aerophones
</lido:term>
```

### 25.2 `addedSearchTerm` attribute

<table>
<thead>
<tr>
<th>Name</th>
<th>addedSearchTerm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>When present and set to “yes”, this attribute indicates that the term to which it is associated, is derived from the “preferred” term and should be used only for retrieval.</td>
</tr>
<tr>
<td>Value</td>
<td>&quot;no&quot; (default value) or &quot;yes&quot;</td>
</tr>
</tbody>
</table>

Example:

```xml
...<lido:classification>
  <lido:term lido:addedSearchTerm="no">harpsichord</lido:term>
</lido:classification>
<lido:classification>
  <lido:term lido:addedSearchTerm="yes">keyboard</lido:term>
</lido:classification>
...```

### 25.3 `term` element

<table>
<thead>
<tr>
<th>Name</th>
<th>term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Word or expression defining a concept.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Name</th>
<th>Obligation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lido:pref</td>
<td>optional</td>
<td>&quot;preferred&quot; or &quot;alternate&quot;</td>
</tr>
<tr>
<td></td>
<td>lido:addedSearchTerm</td>
<td>optional</td>
<td>&quot;no&quot; or &quot;yes&quot;</td>
</tr>
<tr>
<td>xml:lang</td>
<td>optional</td>
<td>&quot;de&quot;, &quot;en&quot;, &quot;fr&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>-----------</td>
<td>----------------------------------</td>
<td></td>
</tr>
<tr>
<td>Value</td>
<td>Free text. Could belong to a controlled list.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:conceptID lido:type="SH_Class"> 412.13 </lido:conceptID>
<lido:term>
  Free reeds aerophones
</lido:term>
```
26 Appellation

An appellation is a sequence of a mandatory proper name (appellationValue) followed by optional sources (sourceAppellation).

An appellation sequence is always included in one of the following elements:
- titleSet
- legalBodyName
- placeNameSet
- actorNameSet
- eventName

26.1 appellationValue element

<table>
<thead>
<tr>
<th>Name</th>
<th>appellationValue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Appellations, titles, identifying phrases, or names given to an item, but also name of a person or corporation, a place name etc…</td>
</tr>
<tr>
<td>Attributes</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>lido:pref</td>
<td>optional</td>
</tr>
<tr>
<td>lido:type</td>
<td>optional</td>
</tr>
<tr>
<td>xml:lang</td>
<td>optional</td>
</tr>
<tr>
<td></td>
<td>&quot;de&quot;, &quot;en&quot;, &quot;fr&quot;, &quot;it&quot;, &quot;nl&quot; or &quot;sv&quot;</td>
</tr>
<tr>
<td>Value</td>
<td>Free text. Could belong to a controlled list.</td>
</tr>
</tbody>
</table>

Example:

<lido:appellationValue>
    Musée de la musique
</lido:appellationValue>

26.2 sourceAppellation element

<table>
<thead>
<tr>
<th>Name</th>
<th>sourceAppellation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>The source for an appellation value, generally a published source.</td>
</tr>
<tr>
<td>Attributes</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>xml:lang</td>
<td>optional</td>
</tr>
<tr>
<td>Value</td>
<td>Free text.</td>
</tr>
</tbody>
</table>
Example:

<lid:sourceAppellation>
  Musée instrumental du CNSM : La facture instrumentale européenne, 1985
</lid:sourceAppellation>
27 Generic attributes

27.1 pref

<table>
<thead>
<tr>
<th>Name</th>
<th>pref</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>When specified inside an element, indicates if the element value is the one that should be preferably used (&quot;preferred&quot;) or if it’s a synonym (&quot;alternate&quot;).</td>
</tr>
<tr>
<td>Value</td>
<td>&quot;preferred&quot; (default value) or &quot;alternate&quot;</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:nameActorSet>
    <lido:appellationValue lido:pref="preferred">
        Stradivari, Antonio
    </lido:appellationValue>
</lido:nameActorSet>

<lido:nameActorSet>
    <lido:appellationValue lido:pref="alternate">
        Stradivarius
    </lido:appellationValue>
</lido:nameActorSet>
```

27.2 type

<table>
<thead>
<tr>
<th>Name</th>
<th>type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Indicates the type of the information to which the attribute is attached.</td>
</tr>
<tr>
<td>Value</td>
<td>Free text.</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:workID lido:type="Inventory Number">E.979.2.1</lido:workID>
```
### 27.3 source

<table>
<thead>
<tr>
<th>Name</th>
<th>source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>lido</td>
</tr>
<tr>
<td>Definition</td>
<td>Indicates the source from which the information contained in the element comes.</td>
</tr>
<tr>
<td>Value</td>
<td>??????</td>
</tr>
</tbody>
</table>

### 27.4 lang

<table>
<thead>
<tr>
<th>Name</th>
<th>lang</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name space</td>
<td>xml</td>
</tr>
<tr>
<td>Definition</td>
<td>Indicates the language used to specified the information.</td>
</tr>
<tr>
<td>Value</td>
<td>&quot;fr&quot;, &quot;en&quot;, &quot;de&quot;, &quot;nl&quot;, &quot;it&quot;, &quot;sv&quot;… Should belong to a controlled list of language identifiers (RFC 3066).</td>
</tr>
</tbody>
</table>

Example:

```xml
<lido:classification>
    <lido:term xml:lang="fr">Clavecin</lido:term>
</lido:classification>
```