

TEI and neighbouring standards: CIDOC-CRM

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*(with thanks to Christian-Emil Ore and the rest of
the CIDOC-CRM SIG)*

Text and ontology

Henry III Fine Rolls Project
(Ciula, Viera: "Complementing
and extending TEI documents
with an ontology". TEI
Members Meeting 2008)

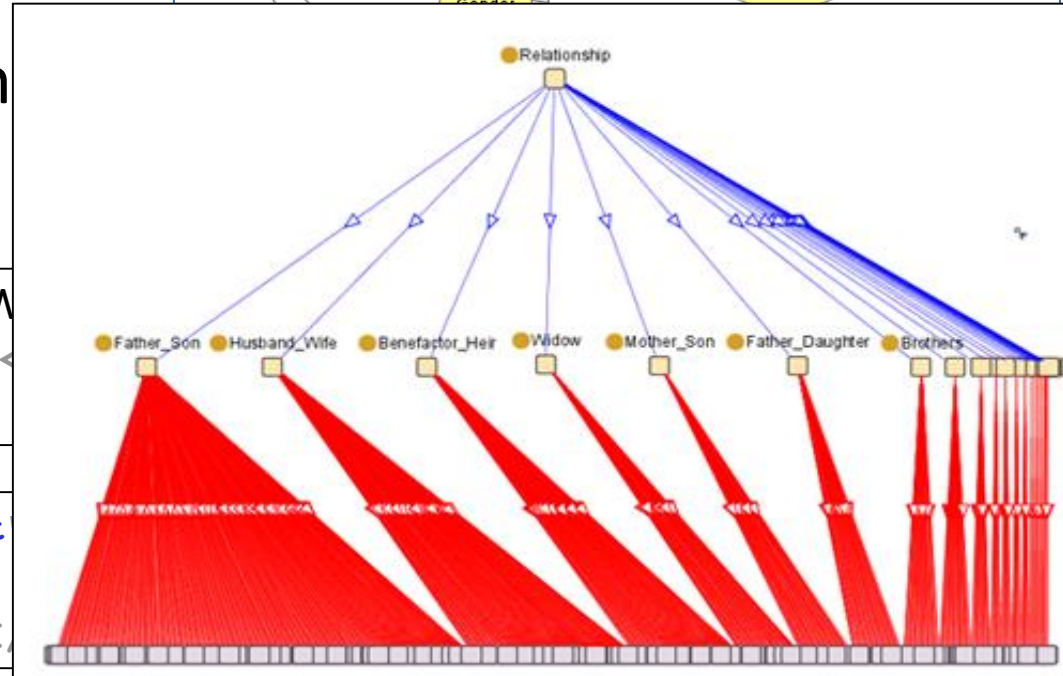
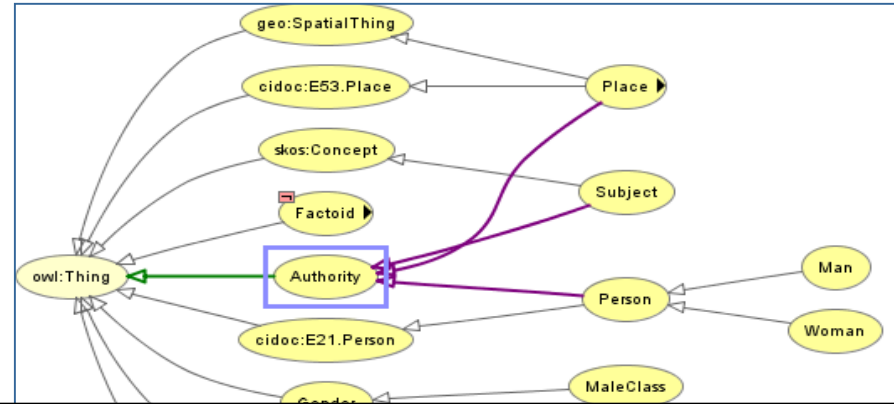


TEI XML

- Physical and logical structure
- Semantic content

RDF/OWL ontology

- Network of associations
- Additional statements and interpretative layers



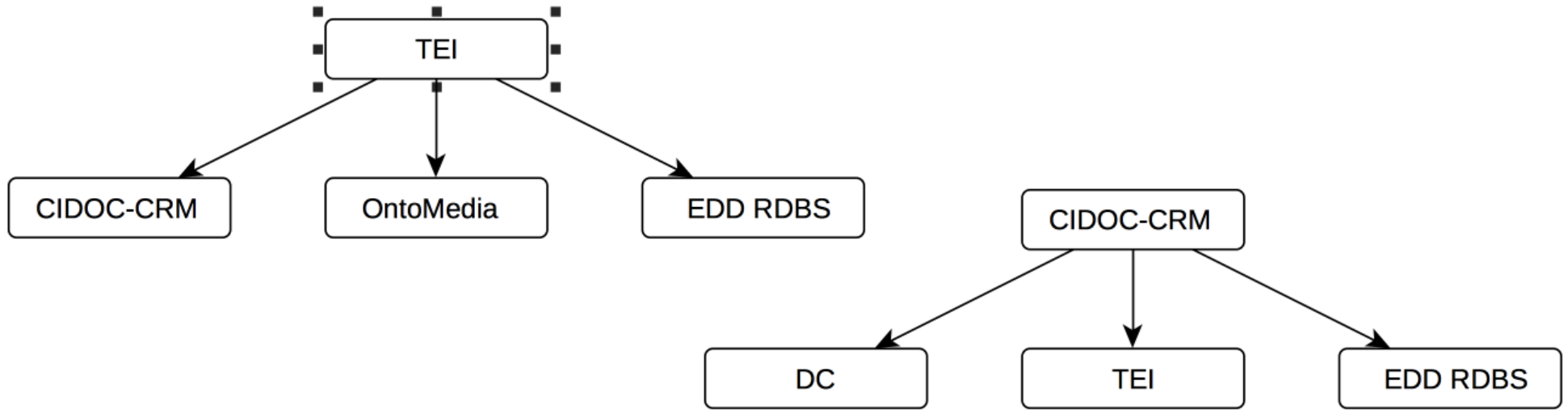
```
<persName key="ashford_de_william">W  
  <placeName key="ashford1">Ashford<  
</persName>
```

```
<rs key="abjuration" type="subject  
key="rumberue_de_thomas">Thomas de  
<placeNamekey="rumberue">Rumberue<
```

- What is ontology?
 - The study of being
- What are ontologies?
 - Shared conceptualisations expressed in formal languages
- TEI and ontologies
 - TEI can express ontological information
 - TEI documents are based on an ontology of the encoded text
 - TEI as a whole is not one ontology

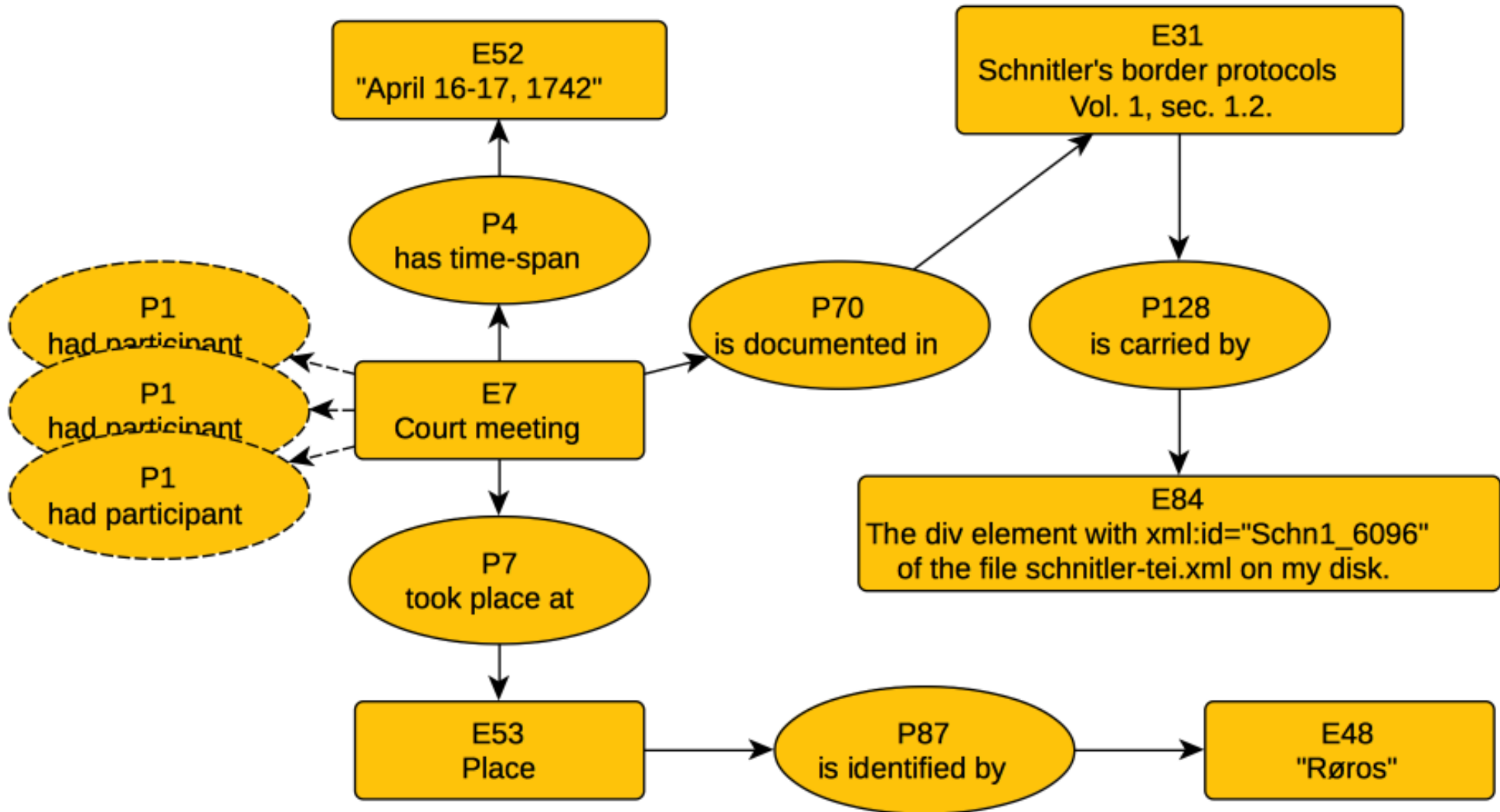
- P4: names could be connected to external resources
- P4: feature structures
- P5: names can be connected as in P4
- P5: names can be connected via a representation of the named object, typically in the header
- Where is the link (to an external ontology) in the markup of the text?
- Where does it point
 - which document?
 - which formalism?

Turn around: CIDOC-CRM to TEI



- A TEI document, or a fragment thereof, can be modelled as a CIDOC-CRM conceptual object
- This can be used to explicitly document elements of the CIDOC-CRM model

TEI as part of CIDOC-CRM



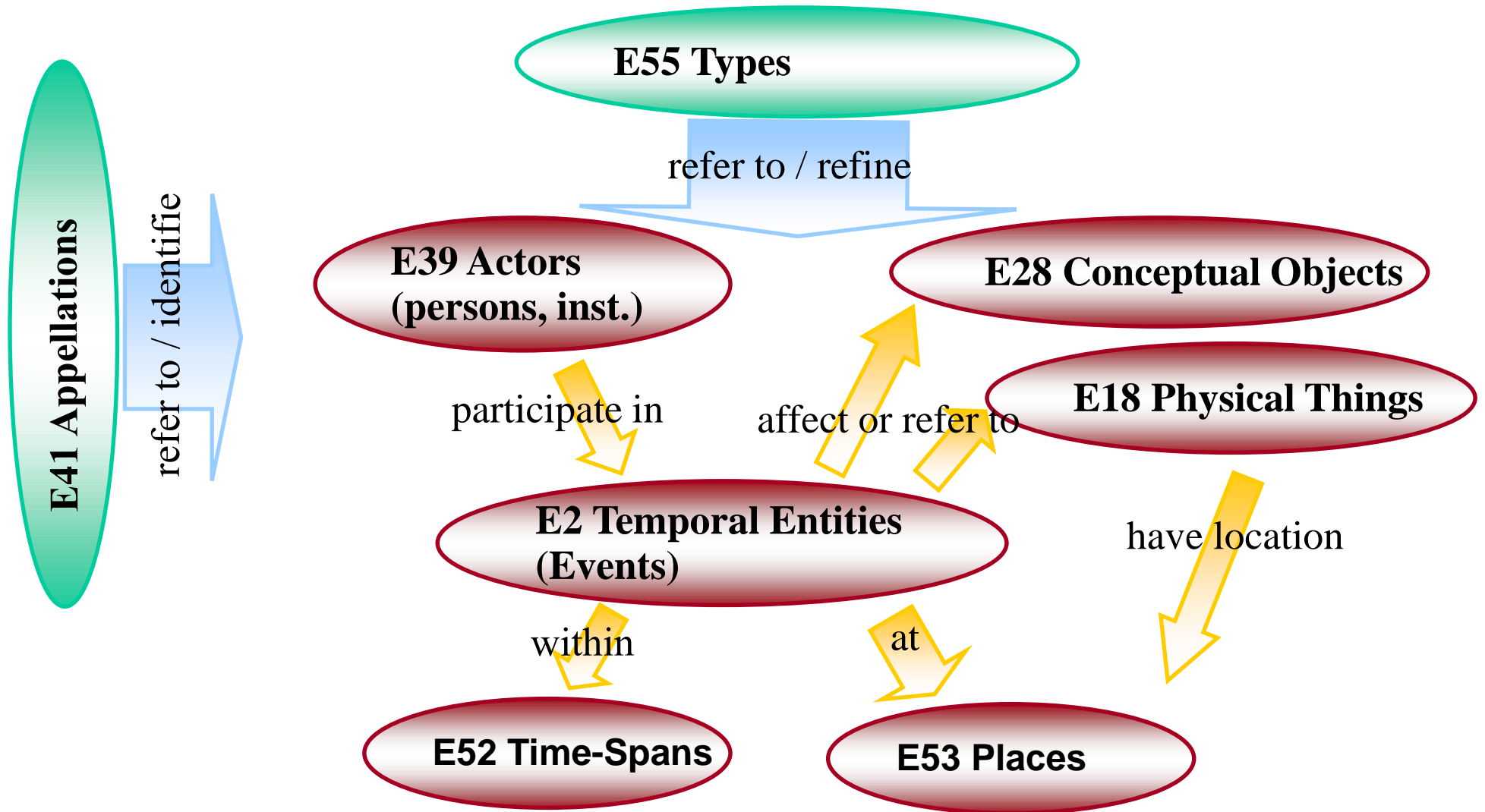
A fragment of a imaginary archaeological excavation report:

“The excavation in Wasteland in 2005 was performed by Dr. Diggey. He had the misfortune of breaking the beautiful sword (C50435) into 30 pieces.”

Actor: Dr. Diggey
Relation: performed
Event: E1
Type excavation
Place: Wastland
Time- span 2005

Actor: Dr. Diggey
Relation: performed
Event: E2
Type: Modification
Descr: Breaking the sword
into 30 pieces
Relation: part of E1
Relation: in presence of
Object: Sword
Relation: identified by
Identifier: C50435

```
<TEI>
<teiHeader>
...
</teiHeader>
<text>...
<p xml:id="p1">
<rs xml:id="e1">The excavation in
<name type="place" xml:id="n1">Wastland
</name> in <date xml:id="d1">2005</date></rs>
was performed by
<name type="person" xml:id="n2">Dr. Diggey
</name>.
He had the misfortune of <rs xml:id="e2"> breaking
<rs xml:id="o1">the beautiful sword
<rs xml:id="o_id1">(C50435)</rs></rs> into 30
pieces</rs>.
</p>
...
</text></TEI>
```



A long chinese pipe of bone. Donated 12th May 1853 by Kildal-Lund.

Object(man made): A pipe

Object attributes

material: bone

shape: long

Relation: was produced

Event: Production

Place: China

Event: Donated

Time-span: 12th May 1853

Relation: by

Actor: Kildal-Lund.

Object (man made): A pipe

Object attributes

material: bone

shape: long

Relation: was produced

Event: Production

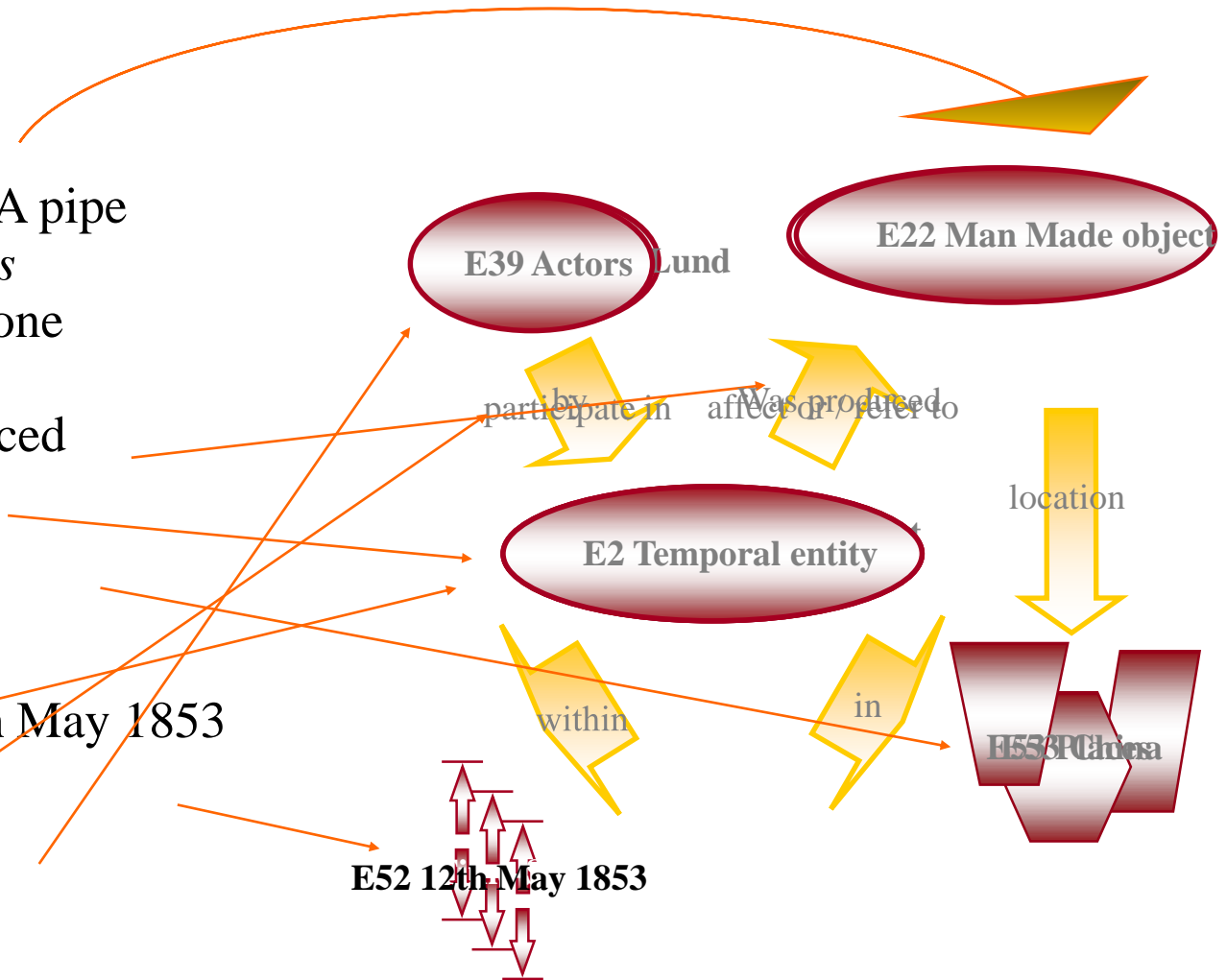
Place: China

Event: Donated

Time-span: 12th May 1853

Relation: by

Actor: Kildal-Lund.



The content of the text in CIDOC-CRM

