

Performing Arts LOD of ECLAP Content Service

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DISIT Lab

<http://www.disit.dinfo.unifi.it> *alias* <http://www.disit.org>

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Slides for: LOD2014 event.



www.eclap.eu

- **Multimedia Archive of Performing Arts**
 - EU project to provide content for **européana**
 - content from 31 European content providers
 - from 13 countries
 - about 172,000 content items
 - video, audio, images, documents, 3D, Braille music scores, epub, crossmedia...
- **Best practice network / Social network on Performing Arts**
 - 3 working groups on
 - IPR issues
 - Performing Arts Education
 - Digital Libraries for Performing Arts

ECLAP Linked Open Data

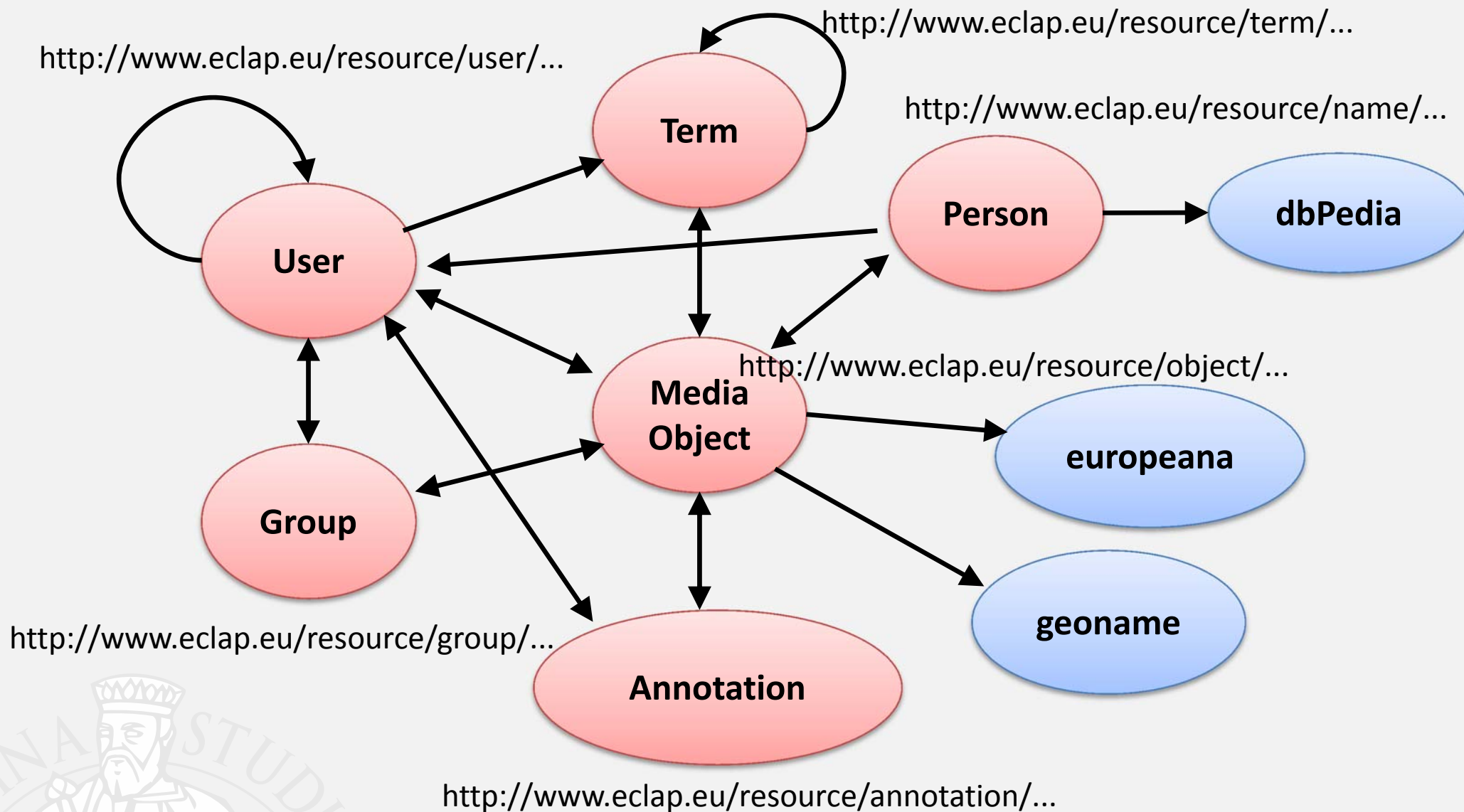
- Make accessible as LOD:
 - Metadata on media objects
 - performing arts, dublin core, technical, IPR
 - Groups (Content Providers)
 - Users
 - Thesauri terms
 - Annotations



Linking ECLAP data

- Links to *Geonames for Geographical* names
 - Metadata in fields like
dc:coverage, dcterms:spatial, (first)Performance Place,
(first)Performance City, (first)Performance Country
were analyzed to match with geographical names from the
GeoNames archive
 - About 40,000 relations found
- **Named Entity Recognition**
 - A supervised procedure to find People names into metadata
fields, names are matched with dbpedia and ECLAP users
 - About 23000 names found,
2712 found on dbpedia, 169 eclap users

URI & Links



Media Object description

- Uses **Dublin Core vocabulary**
- For Performing Arts Metadata use a custom vocabulary with properties defined as specializations of Dublin Core properties:
 - **performancePlace** → `dcterms:spatial`
 - **performanceCity** → `dcterms:spatial`
 - **performanceCountry** → `dcterms:spatial`
 - **performanceDate** → `dcterms:issued`
 - **performingArtsProfessional** → `dcterms:contributor`
 - **dancer** → `performingArtsProfessional`
 - **actor** → `performingArtsProfessional`
 - **director** → `performingArtsProfessional`
 - ...

<rdf:RDF>

<eclap:Video rdf:about="http://eclap.eu/resource/object/urn%3Aaxmedis...">

<rdfs:seeAlso rdf:resource="http://www.europeana.eu/resolve/record/2022105/urn_ax..." />

<dc:title xml:lang="it">Mistero Buffo, Il parte-sottotitoli in italiano</dc:title>

<dc:title xml:lang="en">Mistero Buffo, Part II - subtitles in Italian</dc:title>

<dc:description xml:lang="it">Riproposto dal 1969 a ...</dc:description>

<dc:description xml:lang="en">Revived from 1969 to the present day...</dc:description>

<dc:format>video/wmv</dc:format>

<dc:language>it</dc:language>

<dc:rights xml:lang="it">CTFR</dc:rights>

...

<eclap:actor xml:lang="it">Dario Fo</eclap:actor>

...

<eclap:performancePlace xml:lang="it">Palazzina Liberty</eclap:performancePlace>

<eclap:performanceCity rdf:resource="http://sws.geonames.org/3173435/" />

<eclap:performanceCountry xml:lang="it">Italia</eclap:performanceCountry>

<eclap:performanceCountry rdf:resource="http://sws.geonames.org/3175395/" />

...

`<cito:cites rdf:resource="http://eclap.eu/resource/name/4767"/>` (Franca Rame)

`<cito:cites rdf:resource="http://eclap.eu/resource/name/23767"/>` (Dario Fo)

`<eclap:performingArtType rdf:resource="http://eclap.eu/resource/term/504"/>` (Theatre)

`<eclap:historicalPeriod rdf:resource="http://eclap.eu/resource/term/674"/>` (XX Century)

`<eclap:genre rdf:resource="http://eclap.eu/resource/term/510"/>` (Comedy)

`<cc:license rdf:resource="http://www.europeana.eu/rights/rr-f"/>`

`<cc:attributionURL rdf:resource="http://www.eclap.eu/urn:axmedis:00000:obj:9fc1..."/>`

`<dcterms:isPartOf rdf:resource="http://eclap.eu/resource/object/urn%3Aaxmedi..."/>`

`<eclap:isProvidedBy rdf:resource="http://eclap.eu/resource/group/2862"/>`

`<eclap:isUploadedBy rdf:resource="http://eclap.eu/resource/user/225"/>`

`<eclap:isFeaturedBy rdf:resource="http://eclap.eu/resource/user/45"/>`

`<eclap:isFavoriteOf rdf:resource="http://eclap.eu/resource/user/45"/>`

`</eclap:Video>`

`</rdf:RDF>`

Terms description

- ECLAP provides six thesauri of terms for the classification of content (for a total of 231 terms):
 - **Subject** (e.g., Teaching, Philosophy, Multiculture)
 - **Genre** (e.g., Comedy, Comic, Drama)
 - **Historical period** (e.g., Contemporary, Classical, XX Century)
 - **Movement and style** (e.g., Experimental, Theatre of the absurd)
 - **Performing arts type** (e.g., Dance, Ballet, Music, Rock, Theatre, Noh)
 - **Management and organization** (e.g., Performance, Choreography)

```
<rdf:RDF>
```

```
<skos:Concept rdf:about="http://www.eclap.eu/resource/term/501">
```

```
<skos:prefLabel xml:lang="it">Danza</skos:prefLabel>
```

```
<skos:prefLabel xml:lang="en">Dance</skos:prefLabel>
```

```
...
```

```
<skos:broader rdf:resource="http://www.eclap.eu/resource/term/664"/>
```

```
<skos:narrower rdf:resource="http://www.eclap.eu/resource/term/540"/>
```

```
<skos:narrower rdf:resource="http://www.eclap.eu/resource/term/539"/>
```

```
<skos:narrower rdf:resource="http://www.eclap.eu/resource/term/507"/>
```

```
<skos:narrower rdf:resource="http://www.eclap.eu/resource/term/506"/>
```

```
<eclap:isSubjectOf
```

```
  rdf:resource="http://www.eclap.eu/resource/object/urn:axmedis:000... "/>
```

```
<eclap:isSubjectOf
```

```
  rdf:resource="http://www.eclap.eu/resource/object/urn:axmedis:000... "/>
```

```
...
```

```
</skos:Concept>
```

```
</rdf:RDF>
```

Group description

- Uses **FOAF** vocabulary

```
<rdf:RDF>
```

```
<foaf:Group rdf:about="http://www.eclap.eu/resource/group/2859">  
  <rdfs:label>Centro Teatro Ateneo, University of Rome La Sapienza, UNIROMA, Italia</rdfs:label>
```

```
<eclap:admin rdf:resource="http://www.eclap.eu/resource/user/1"/>
```

```
<eclap:admin rdf:resource="http://www.eclap.eu/resource/user/253"/>
```

```
...
```

```
<foaf:member rdf:resource="http://www.eclap.eu/resource/user/1"/>
```

```
<foaf:member rdf:resource="http://www.eclap.eu/resource/user/42"/>
```

```
...
```

```
<eclap:provide rdf:resource="http://www.eclap.eu/resource/object/urn:axmedis..."/>
```

```
<eclap:provide rdf:resource="http://www.eclap.eu/resource/object/urn:axmedis..."/>
```

```
...
```

```
</foaf:Group>
```

```
</rdf:RDF>
```

User description

- Uses **FOAF** vocabulary

```
<rdf:RDF ...>
```

```
  <foaf:Person rdf:about="http://www.eclap.eu/resource/user/45">
```

```
    <foaf:knows rdf:resource="http://www.eclap.eu/resource/user/1" />
```

```
    ...
```

```
    <foaf:topic_interest rdf:resource="http://www.eclap.eu/resource/term/501" />
```

```
    <eclap:isMemberOf rdf:resource="http://www.eclap.eu/resource/group/3160" />
```

```
    <eclap:isAdminOf rdf:resource="http://www.eclap.eu/resource/group/3160" />
```

```
    <eclap:hasFavorite
```

```
      rdf:resource="http://www.eclap.eu/resource/object/urn:axmedis:000..." />
```

```
    <eclap:hasFeatured
```

```
      rdf:resource="http://www.eclap.eu/resource/object/urn:axmedis:000..." />
```

```
    <eclap:createdAnnotation
```

```
      rdf:resource="http://www.eclap.eu/resource/annotation/SideAnnotation..." />
```

```
  </foaf:Person>
```

```
</rdf:RDF>
```

Name/Person description 1

```
<rdf:RDF>
```

```
<foaf:Person rdf:about="http://www.eclap.eu/resource/name/23767">
```

```
<foaf:name>Dario Fo</foaf:name>
```

```
<foaf:name>D. Fo</foaf:name>
```

```
<foaf:name>Fo Dario</foaf:name>
```

```
<rdfs:seeAlso rdf:resource="http://dbpedia.org/resource/Dario_Fo"/>
```

```
<cito:isCitedBy rdf:resource="http://www.eclap.eu/resource/object/urn:axmedis:..."/>
```

```
<cito:isCitedBy rdf:resource="http://www.eclap.eu/resource/object/urn:axmedis:..."/>
```

```
...
```

```
</foaf:Person>
```

```
</rdf:RDF>
```

Name/Person description 2

```
<rdf:RDF>
```

```
<foaf:Person rdf:about="http://www.eclap.eu/resource/name/623">
```

```
<foaf:name>Paolo Nesi</foaf:name>
```

```
<foaf:name>P. Nesi</foaf:name>
```

```
<foaf:name>Nesi Paolo</foaf:name>
```

```
<owl:sameAs rdf:resource="http://www.eclap.eu/resource/user/42"/>
```

```
<cito:isCitedBy
```

```
  rdf:resource="http://www.eclap.eu/resource/object/urn:axmedis:00..."/>
```

```
...
```

```
</foaf:Person>
```

```
</rdf:RDF>
```



Annotations

- Two kinds of media annotations:
 - *One2One* (two media resources played in parallel)
 - *Explosive* (one resource replace another)
- Use **Open Annotation vocabulary**
(<http://www.openannotation.org>)
- Annotations can be associated with whole audiovisual or to a temporal fragment
- Body of an annotation can be a text and/or another audiovisual (as a whole or a fragment)
- **MyStoryPlayer is the tool used to navigate annotations**

```
<rdf:RDF xmlns:oa="http://www.w3.org/ns/oa#" xmlns:cnt="http://www.w3.org/2011/content#">
<oa:Annotation rdf:about="http://www.eclap.eu/resource/annotation/SideAnnotation_13010...">
  <rdf:type rdf:resource="http://www.eclap.eu/schema/eclap/One2One"/>
  <oa:hasTarget>
    <oa:SpecificResource>
      <oa:hasSource rdf:resource="http://www.eclap.eu/resource/object/urn:axmedis:0.."/>
      <oa:hasSelector>
        <oa:FragmentSelector>
          <rdf:value>t=npt:10,60</rdf:value>
          <dcterms:conformsTo rdf:resource="http://www.w3.org/TR/media-frags/" />
        </oa:FragmentSelector>
      </oa:hasSelector>
    </oa:SpecificResource>
  </oa:hasTarget>
  <oa:hasBody rdf:resource="http://www.eclap.eu/resource/object/urn:axmedis:..."/>
  <oa:hasBody>
    <cnt:ContentAsText>
      <cnt:chars>this is an annotation</cnt:chars><dc:format>text/plain</dc:format>
    </cnt:ContentAsText>
  </oa:hasBody>
  <oa:annotatedBy rdf:resource="http://www.eclap.eu/resource/user/1"/>
  <oa:annotatedAt>2013-02-28T20:00:00</oa:annotatedAt>
</oa:Annotation>
```

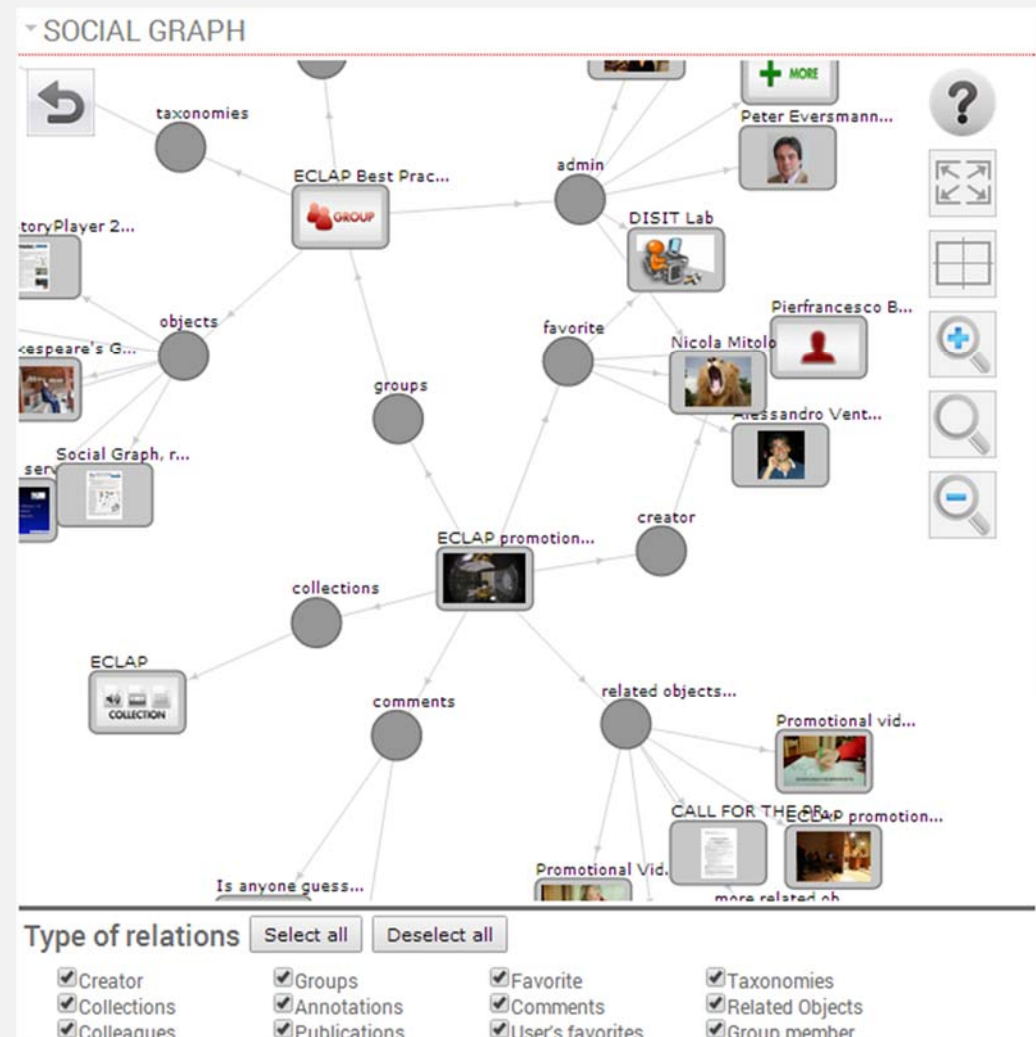

ECLAP Social Graph

It shows the relations of the user/content with other entities.

- Shown at **user login** or
- Below the content when playing

The user can:

- Navigate
 - Expand, Focus, Open, Back
- Filter relations
- Zoom, Pan



From Social Graph to Linked Open Graph

- Social Graph is evolving as an independent tool for the visualization of graphs from SPARQL endpoints (<http://log.disit.org>)
 - **New feature!**
 - Save and share the graph with your colleagues

The screenshot shows the log.disit.org interface. At the top, there's a dropdown menu for 'Europeana' and a 'Your data' section with a 'sparql endpoint:' field and a 'uri:' field. Below this, the title 'LINKED OPEN GRAPH' is displayed. The main area shows a complex graph visualization with nodes and edges. Nodes are represented by blue icons with a red circle and a white 'X' inside. Edges are represented by grey arrows. The graph is interconnected, showing relationships between various entities. On the right side, there are several icons for navigation and interaction, including a search icon, a zoom icon, and a share icon.



THANK YOU!

