Models and tools for aggregating and annotating content on ECLAP

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Context

- Semantic model for cultural heritage content
- Aggregation content allows to:
  - Model
  - Collect
  - Organize
  - Make accessible digital contents and share them
  - Do not modify the original content
- Educational environment
ECLAP Project, EC PsP

- ECLAP is Best practice network infrastructure and service portal
- Online archive of performing arts in Europe
- Provides solutions and tools to bring together Europe’s most relevant performing art content
- More than 1 million content items
- Enriching semantic model to make it ready for EDM Europeana
Europeana

Metadata Contribution

Aggregators

Individual institutions

Aggregators are

Projects

Institutions

- EFG
- EUScreen
- MIMO
- APENet
- BHL Europe
- Judaica
- Travel
- ATHENA
- CARARE
- HOPE
- ECLAP
- TEL
- BAM
- SCRN
- Kultura.hr
http://www.eclap.eu

Automated Back office

ANY content

- PC, MACOs, linux, ...
- iPhone, iPod, Windows Mobile, .......

Search/Query

Agg. Content

Content Services

UGC, web page, comments

Metadata
ECLAP Services

- Networking and Social Services
  - User groups, discussion, forums, mailing lists
  - Connection with social network for share and contact gathering
  - Suggestions and recommendations to ECLAP users
  - Mailing notifications ….

- Content Distribution toward several channels
  - Providing content towards Europeana

- Content Management services
  - Automated Ingestion and repurposing for:
    - metadata and content items
  - Content and Metadata Enrichment, content Aggregation
  - IPR Wizard, for IPR modeling and assignment
  - E-learning support
  - …
Semantic Model

- **General model:**
  - Models user, content, relationships, aggregations, annotations, actions…

- **Contents are cross-media:**
  - Audio, video, images, slides, animations, courses, playlists, collections, ebook, web pages, groups, etc.
  - Comments, votes, annotations on audiovisual objects, synchronization, similar objects, etc..
Semantic Model
Model

- **Different kind** of content and users are associated with a semantic taxonomy in terms of:
  - Genre
  - Performing art type
  - Historical period
  - Subjects
  - Management aspects
  - Dissemination aspects
  - Roles
  - Etc..

- User profile includes a classification to allow users to express their preferences about content theme enabling the similarity of user and content
Content Aggregation

- Aggregation models allow to:
  - Do not modify the original content
  - Collect
  - Share
  - Organize
  - Access to the contents in an easier way

- Educational environment
  - Organizing content
  - Give a semantic to contents depending on medium chosen
Aggregation

- ECLAP model and tools allow to cope with aggregated content such as:
  - Playlists
  - Collections
  - Annotations via MyStoryPlayer

- These tools allow users to aggregate and play media and concepts, and finally export them into Europeana as aggregations
Playlist

- Ordered multimedia content items: video, audio, images
- Segments of timed media: video and audio
- Authoring tool and player
- Save and shared them
Collection

- Are a set of contents: audio, video, images, archives, doc, pdf, playlist...
- These contents can be part of a lesson.
- Collections can be published or not.
MyStoryPlayer

- MyStoryPlayer allows annotations on
  - video,
  - images,
  - audio.
- No difference between media and the user’s annotations
- Multimedia objects are temporally connected
- Recording of user experiences
Navigation on MyStoryPlayer: Swap action

- Two media exchange position
- New annotations are reloaded, with a new scenario
- The swapped media will be played for the time codified in the annotation, as media reference time.
MyStoryPlayer Semantic Model
Navigation in the model
## ECLAP Metadata Mapping

<table>
<thead>
<tr>
<th>ECLAP Semantic Model</th>
<th>Europeana ESE</th>
<th>Europeana EDM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dublin Core</td>
<td>100% and multilingual</td>
<td>100% single language</td>
</tr>
<tr>
<td>Performing Art Metadata</td>
<td>&gt;59 additional fields</td>
<td>Hard to map</td>
</tr>
<tr>
<td>Technical Metadata of different kind</td>
<td>&gt;25</td>
<td>Hard to map</td>
</tr>
<tr>
<td>Aggregation Information</td>
<td>About 4 (playlists, collections, sync, courses)</td>
<td>0</td>
</tr>
<tr>
<td>Right and licensing</td>
<td>Europeana.rights and use licensing, license url, etc..</td>
<td>Only Europeana.rights element</td>
</tr>
<tr>
<td>Total</td>
<td>130% respect to ESE</td>
<td>Mapping at 100%</td>
</tr>
</tbody>
</table>
Conclusions

- ECLAP project
- Semantic model
- Aggregation content
- Educational environment

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