

Capturing e-culture: Metadata in MultiMatch

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MultiMatch

Develop a **multilingual** search engine specifically designed for the **personalised** presentation of **multimedia** cultural heritage information.

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Languages: Dutch, English, Italian, Spanish

Media: Text, Images, Audio, Video

MM Process Overview

- Data collection
 - Content provider data and associated metadata
 - Internet crawl and scraping of CH websites
 - Specific CH resources (Control vocabularies)
- Data Processing
 - Automatic classification of content
 - Automatically extract relevant concepts
- Indexing
 - Organise the material for retrieval & browsing
- Search/Retrieval
 - Organise, summarise and display search results
 - Provide mechanism for user feedback

Factors Influencing Metadata

- **“Top-down”**: User requirements
- **“Bottom-up”**: Automatic metadata extraction from CH content
- **“External”**: Metadata Interoperability
 - Legacy Metadata (MM Content Providers)
 - Metadata standards

User Requirements

- Typical search concepts
 - Names, styles, titles, content, places...
- Faceted Search/Browsing/Clustering
 - Meaningful categorisation/relationships
- Translingual query control
 - Term disambiguation/refinement
- Authoritativeness of results

Content

- Information can be uncertain, imprecise or ambiguous
 - Creator of work can be unknown or contested
 - Alternative names/titles
 - » Mona Lisa, Monna Lisa, La Gioconda, La Joconde
- Accentuated by the information extraction process
 - Represent degrees of certainty

Metadata Interoperability

- MM Content Providers
 - Proprietary or mapped to DC
- CH Metadata standards
 - Dublin Core and extensions (DCMI, VRA)
 - EAD, ISAD(G), LOM, ...
 - CIDOC/FRBR
- Multimedia Metadata standards
 - MPEG-7

Questions (Answers?)
