The Museum24 Project

New channel into the local history – Cultural Heritage on the Semantic Web

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Jämsä - Jämsänkoski, 2004 - 2006
Content

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In co-operation with

- Jämsä
- Jämsänkoski
- Artio Co
- UPM
- University of Jyväskylä
- ERDF
- Local heritage associations

Implementation
2004 - 2007
Target groups

- Inhabitants in Jämsä Region
- Schools
- Local companies
- Tourists
Examples of the content

- Architecture and buildings
- History of work – local forestry and aviation industry
- Museums
- Local news in the past
- Old maps
- Memories
- Old photos

⇒ The story of Jämsä region
The aims are to increase...

- **Access** to the local cultural heritage
- **Prominence** of Jämsä and Jämsänkoski in Finland and abroad.
- **Versatility** of the local cultural heritage
- **Identity** of the people living in the region and their common knowledge of the local history
- **Interactive tools** for schools

and to create a **new publication tool with Semantic Web properties**
Content Management
Reduced view of the CIDOC CRM ontology

Who?

What?

Where?

When?
Annotation Tool

- User interface

### Ontology properties

**Note:**
- [ ]

**Author:**
- [ ]
  - Actor (E39)

**Rights held by:**
- [ ]
  - Actor (E39)

### About

**Who:**
- [ ]
  - Actor (E39)

**What:**
- [ ]
  - Stuff (E70)

**Where:**
- [ ]
  - Place (E53)

**When:**
- [ ]
  - Temporal Entity (E2)
LiveSearch

- How does it work?

- Why we need LiveSearch?
  aim: build and use controlled vocabularies
Public Search

- Searching in the ontology
- Displaying related content

Knowledge Worker → Ontology → CMS → Content → Knowledge Worker
Search Query Sample

SELECT ?x
FROM <http://imnetti.fi/vmuseum/museum24>
WHERE
    (?x, rdf:type, mpeg-7:Image),
    (?x, cidoc:shows_visual_item, ?y),
    (?y, rdf:type, cidoc:Man-Made_Object),
    (?y, cidoc:has_type, 'church'),
    (?y, cidoc:is_located_on, ?z),
    (?y, cidoc:beginning_is_qualified_by, ?year),
    (?z, cidoc:borders_with, 'Jamsa'),
AND
    ?year < 1900
USING
    rdf FOR <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
    cidoc FOR <http://imnetti.fi/vmuseum/cidoc#>
    mpeg-7 FOR <http://imnetti.fi/vmuseum/cidoc-mpeg7#>
Semantic folders

1. Top-level Public Folder
2. Published Folder
3. Not published Folder
4. Jämsä
   - located in Finland
5. Borders with Jämsänkoski
Semantic Timeline

Ontology individuals

WW I.

1880-90 1890-1900 1900-10 1910-20 1920-30
Conclusion

- Challenges
  - Insufficient amount of ontology individuals

- Demonstrated tools
  - LiveSearch
  - Annotation Tool
  - Public Search
  - Semantic Folders
  - Semantic Timeline
Thank You for Your attention.

www.museo24.fi