

MuseumFinland

- Finnish Museums on the Semantic Web

<http://museosuomi.cs.helsinki.fi>



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Research Consortium



TEKES


National Board
of Antiquities


Espoo City
Museum


Lahti City
Museum


Helsinki
University
Museum

ANTIKVARIA GROUP

NOKIA
CONNECTING PEOPLE

TietoEnator
Building the Information Society

Co-operation with:
Finnish National Gallery



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What is MuseumFinland?

- The vision: Museums on the Semantic Web
 - Visitor's perspective
 - Museum's perspective
- The system: Demonstration

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The Vision of MuseumFinland

1. Global View to Distributed Collections
 - One seamless national collection (virtually)
 - "Museums in Finland" -> "Museum of Finland"
2. Intelligent Services to End-Users
 - Search: Concept-Based Information Retrieval
 - Browsing: Semantically Linked Contents
3. Easy Content Publication for Museums

Creating a national platform and a process for the museums to publish their content together on the Semantic Web

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MuseumFinland Mobile Version

- WAP 2.0 compatible phones
- Nokia Series 60 browser
- Combining coordinates and location ontology
- Getting more info by email
- Same URL:
<http://museusuomi.cs.helsinki.fi>

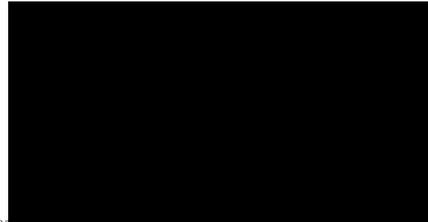


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Ontologies:

The Basis of MuseumFinland

7 ontologies, 10,000 interlinked concepts,
4500 collection artifacts & archeological sites



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The Vision of MuseumFinland

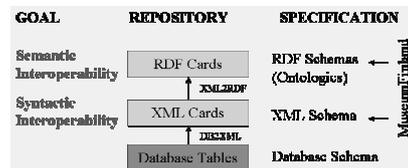
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3. Easy Local Content Publication

- The simple publishing idea of the WWW
- The museum creates RDF and publishes it in a public directory (or on CD)



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Summary: Why MuseumFinland?

- Museum Visitor's viewpoint
 - Seamless view to heterogeneous collections
 - Intelligent Services
 - Search based on views and ontologies
 - Browsing based on semantic recommendations
- Museum's viewpoint
 - Publication channel for the Semantic Web
 - Only content needs to be created
- Will be enhanced with new ontologies and materials

MuseumFinland - Demonstration on how to create a national culture content publication channel for the Semantic Web

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Papers on MuseumFinland (2004)

- E. Hyvönen, M. Junnila, S. Kettula, E. Mäkelä, S. Saarela, M. Salminen, A. Syreeni, A. Valo, K. Viljanen: Finnish Museums on the Semantic Web. User's Perspective on MuseumFinland. Proceedings of Museums and the Web 2004 (MW2004), Arlington, Virginia, USA, March 31 - April 3, 2004. Selected Papers.
- E. Hyvönen, M. Junnila, S. Kettula, E. Mäkelä, S. Saarela, M. Salminen, A. Syreeni, A. Valo, K. Viljanen: Publishing Museum Collections on the Semantic Web - the MuseumFinland Portal. Proceedings of WWW2004, New York, poster papers, USA, 2004 (forthcoming).
- E. Hyvönen, M. Salminen, S. Kettula, M. Junnila: A Content Creation Process for the Semantic Web. Proceedings of OntoLex 2004, Lisbon, Portugal, 2004 (forthcoming).
- E. Hyvönen, S. Saarela, K. Viljanen, E. Mäkelä, A. Valo, M. Salminen, S. Kettula, M. Junnila: A Semantic Portal for Publishing Museum Collections on the Web. Proceedings of ECAI 2004, Valencia, Spain, 2004 (forthcoming).
- E. Hyvönen, S. Saarela, K. Viljanen: Application of Ontology Techniques to View-Based Semantic Search and Browsing. Proceedings of the First European Semantic Web Symposium (ESWS 2004), Springer-Verlag, 2004 (forthcoming).
- E. Mäkelä, Hyvönen, S. Saarela, K. Viljanen: OntoView - A Tool for Creating Semantic Web Portals. Paper, submitted, 2004.

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