

Browsing multimedia archives while seated in this depicted pod is the Media Zone experience. The physical pods are made of innovative material and are placed in the reception area of Deichmanske bibliotek / Oslo Public Library. The software runs on a computer connected to a touch screen installation in the pods.

## Technical and visual innovation in a public space

### BACKGROUND

As a modern library, Deichmanske bibliotek / Oslo Public Library is also focusing on digital assets. The Media Zone enables visitors to search and view multimedia material from national archives which are not accessible to the general public through the web. Deichmanske bibliotek / Oslo Public Library has in cooperation with The Oslo School of Architecture and Design and HFG Offenbach in Germany and Ocean Design Research developed media stations to be placed in the libraries in Oslo.

The software project started autumn 2008. The first archives available through the pods are historical movies from the Norwegian Film Institute and music from Musikkonline.no.

### The Media Zone Project

The Media Zone project is a digital library project for making vast amounts of multimedia resources available to the general public. Specially designed pods/kiosks located in the libraries allow library visitors to navigate across archives and watch resources while sitting comfortably inside the pods. Users control the application through a touch screen interface to find material from selected archives. Users can view material and licence permitting, also copy material to a memory stick.

The system is built on a metadata driven state-of-the-art findability solution from Computas based on the World Wide Web Consortium Semantic Web standards. Metadata records from the archives are imported into the system and the multimedia files are streamed to the pods on demand. Dynamically generated topic hierarchies enable easy and powerful navigation and the search results are presented in a coverflow.

Ensuring high quality in metadata, enriching metadata from trusted sources, distribution management and metadata management is of prime concern.

The motivation and focus was to enable thematic search and navigation across media types and enable public access to national archives that are restricted due to copyright issues.



## SEMANTIC WEB – the data web

Semantic web – the data web

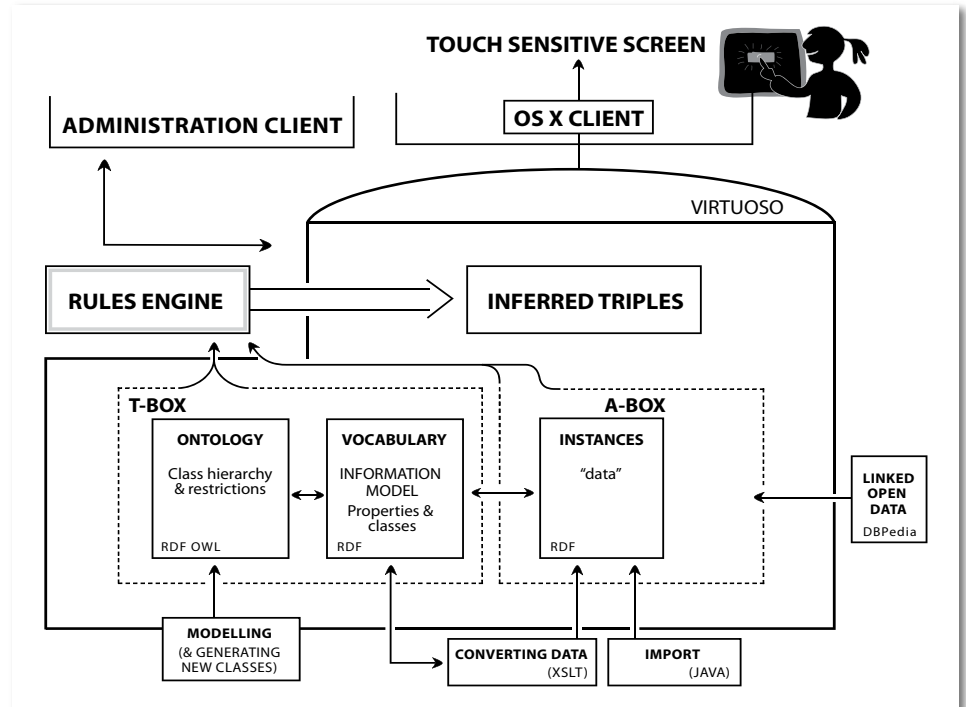
The Semantic Web aims to reuse and combine any number of data sources with minimal investment. By uniquely identifying data and reducing ambiguity we effectively build an easily accessible global database over time, which can help machines and people integrate their data sets across closed networks of information.

Linking the data using RDF graphs is like playing “connect the dots” with associated data.

## SEMANTIC TECHNOLOGIES

The system is built on a set of standards known as the Semantic Web. The standards allow representation of interlinked data and representation of knowledge models or ontologies.

Together with its partners OKADO ([www.okado.no](http://www.okado.no)) and ESIS ([www.esis.no](http://www.esis.no)) Computas has developed the architecture and the system to process large amounts of multimedia meta-data. This system is made flexible for making changes and importing new archives and themes by providing a replaceable ontology for navigation and search for resources. Linked Open Data (LOD) provides additional context information.



The system uses the semantic web standards

- Uniform Resource Identifier (URI)
- Resource Description Language (RDF)
- Web Ontology Language (OWL)
- Semantic Web Query Language (SPARQL)



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## ABOUT COMPUTAS

Computas is a Norwegian IT consultancy company within the field of Business Process Management. The company's core competence lies in the intersection of business, knowledge and technology. Computas has created Business Process Management (BPM/workflow) solutions for customers for 25 years. The company is characterized by their unique experience, working closely with their customers and a high level of quality in all of their projects.

Today, over 25,000 users utilize IT solutions from Computas. The company develops these solutions in close cooperation with its customers. Computas' customers include The Brønnøysund Register Centre, CargoNet, The Norwegian Directorate of Immigration (UDI), The Norwegian Police, The Norwegian Courts Administration and The Norwegian Food Safety Authority.

