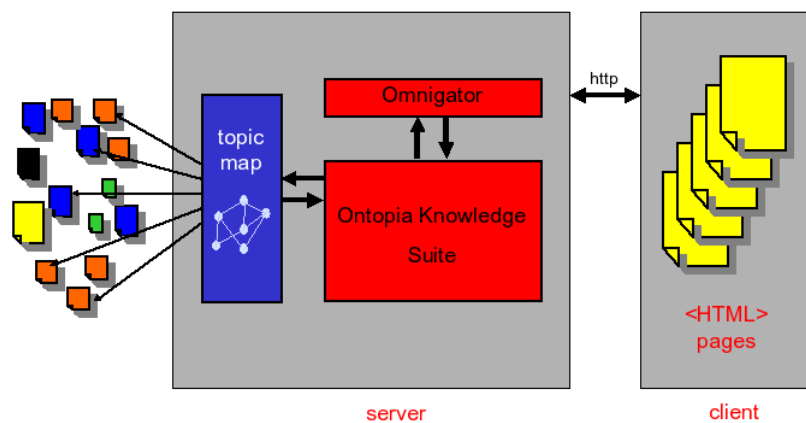


Ontopia Omnigator *Ein Werkzeug zur Einführung in Topic Maps*

Architektur von Omnigator



- Die Anwendung liest Topic Maps und generiert HTML-Seiten "on the fly"
- Bei jedem Klick auf einen Link wird ein Request an die Server-Anwendung geschickt, die die angeforderte Information aus der Topic Map extrahiert und daraus eine HTML-Seite generiert

Omnigator: Download und Installation

- Omnigator steht als Demoversion zur Verfügung:
<http://www.ontopia.net/download/freedownload.html>
- Installation:
 - ◆ JAR-File oks-samplers.jar entpacken, z.B. nach C:\Programme\oks-samplers
 - ◆ Umgebungsvariable JAVA_HOME auf das Homedirectory von Java setzen, z.B. C:\Programme\Java\jre1.5.0_11
- Start von Omnigator
 - ◆ tomcat starten durch Ausführen der Datei startup.bat im Ordner C:\Programme\oks-samplers\apache-tomcat\bin
 - ◆ Im Browser <http://localhost:8080> aufrufen

Omnigator: Laden von Topic Maps

- Topic Maps in Omnigator laden
 - ◆ Topic in einer Datei mit Endung .xtm speichern
 - ◆ Datei im Ordner C:\Programme\oks-samplers\apache-tomcat\webapps\omnigator\WEB-INF\topicmaps speichern
 - ◆ Die Topic Map erscheint auf der Startseite von Omnigator in der Liste der TopicMaps
 - ◆ Neu laden von Topic Maps erfolgt über das Menu „manage“

Online-Demo zur Navigation in einer Topic Map Map: <http://www.ontopia.net/omnigator>

The screenshot shows the Omnigator interface in a Mozilla Firefox browser window. The address bar displays `http://localhost:8080/omnigator/models/index.jsp`. The page features a red header with the 'omnigator' logo and navigation links (Home, Manage, Website, Support, About). A yellow callout bubble points to the 'Index of Topic Maps' section, which lists various topic maps such as ADL-FTT.xtm, concert.rdf, factbook.hytm, flnrv-complete.xtm, flnrv.xtm, flnrv1.xtm, GCL-2-1.xtm, i18n.ltm, jill.xtm, jillsMusic.xtm, KevinsPlan.xtm, mondial.xtm, MyConcerts.xtm, MyMusic.xtm, MyPlan.xtm, MyThesaurus.xtm, opera.hytm, opera.xtm, pokemon.ltm, support-kb.ltm, TappsasConcerts.xtm, tm-standards.xtm, useman.ltm, and xmltools-tm.xtm. A 'Reverse First' section provides introductory text and features of the Omnigator. At the bottom, a small network diagram shows nodes like 'Roma', 'Garc', 'Shepherd-boy', 'Vissi d'arte', 'Cagliostro', 'Sacristan', 'Sciamaone ha Tosca', 'La Tosca', 'O dolci mani', and 'Tosca' connected by lines.

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Topic Maps - Omnigator

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Die Italian Opera Topic Map im Omnigator: Index Page

The screenshot shows the Omnigator interface displaying the 'The Italian Opera Topic Map' index page. The browser window title is 'The Italian Opera Topic Map - Mozilla Firefox' and the address bar shows `http://localhost:8080/omnigator/models/topicmap_complete.jsp?tm=opera.xtm`. The page has a red header with the 'omnigator' logo and navigation links. Below the header, there are search and action buttons (Open, Reload, Find) and utility links (Customize, Filter, Export, Merge, Statistics, Query, Edit, Validate). The main content area is divided into several sections: 'Topic Map Overview' (Ontology, Master Index, Index of Individuals, Index of Themes), 'Hierarchies' (Located in, Subtype of), 'Topic Map Metadata' (Creator: Steve Pepper, Date: 2006/05/04 19:10:05, Description), and 'Topic Types (49)' (Aria, Art form, Ballet, Cause of death, Character, Chorus, City, Code type, Composer, Conservatory, Country, Dictionary, Format, Hierarchical relation type, Historical event, Language, Librettist, Literary work).

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Die Italian Opera Topic Map: Topic Types

Topic Types sind Topics, zu denen es mindestens eine Instance gibt (d.h. ihre Definition enthält ein Element <instanceOf> (Typen sind auch Topics)

Die Italian Opera Topic Map (Forts.)

Topic Page für einen Topic Type

The screenshot shows the Omnigator web application interface. At the top, there is a navigation bar with links for Home, Manage, Website, Support, and About. Below this is a search bar with the text 'Browsing opera.stm' and buttons for Open, Reload, and Find. The main content area is titled 'Composer' and contains several panels:

- Untyped Names (13):** A list of terms for 'Composer' with their respective scopes: Composer, Compositeur (French), Compositore (Italian), Cyfansoddwr (Welsh), Kompozytor (Polish), Skladatel (Czech), Säveltäjä (Finnish), Tónskáld (Icelandic), Zeneszerző (Hungarian), Композитор (Russian), 作曲家 (Japanese), 작곡가 (Korean), and Komponist (Dutch/German/Norwegian).
- Subject Identifiers (1):** A single entry: http://psi.ontopia.net/music/#composer.
- Hierarchy (Subtype of):** A tree structure: Person > Musician > Composer.
- Topics of this Type (13):** A list of composers: Alfano, Franco; Boito, Arrigo; Catalani, Alfredo; Cilea, Francesco; Franchetti, Alberto; Leoni, Franco; Leoncavallo, Ruggero; Mascagni, Pietro; Ponchielli, Amilcare; Puccini, Giacomo.
- Associations (1):** A single entry: Subtype of > Musician.

At the bottom of the page, there is a footer with the logo of Fachhochschule Nordwestschweiz and the text 'Prof. Dr. Knut Hinkelmann' and 'Topic Maps - Omnigator'.

Die Topic Page für ein Individual Topic

The screenshot shows the Omnigator web application interface. At the top, there is a navigation bar with links for Home, Manage, Website, Support, and About. Below this is a search bar with the text 'Browsing opera.stm' and buttons for Open, Reload, and Find. The main content area is titled 'Verdi, Giuseppe' and contains several panels:

- Untyped Names (2):** A list of terms for 'Verdi, Giuseppe': Verdi, Giuseppe; Verdi (Scope: Short name).
- Normal form (1):** A single entry: Giuseppe Verdi.
- Associations (30):** A list of associations: Born in > Le Roncole; Composed > Aida, Alzira, Aroldo, Attila, Un ballo in maschera.
- Subject Identifiers (1):** A single entry: http://en.wikipedia.org/wiki/Verdi.
- Internal Occurrences (2):** A list of dates: Date of birth > 1813-10-10; Date of death > 1901-01-27.
- External Occurrences (5):** A list of external references: Article > file://C:/topicmaps/opera/occurs/snl/verdi.htm (Offline; Store Norske L); http://www.ontopia.net/topicmaps/examples/opera/occurs/snl/verdi.htm - S; Illustration > file://C:/Programme/ontopia/oks-professional-3.1.0/apache-tomcat/webapps/; Web page > http://www.giuseppeverdi.it/verdi/ (Italian; Land of Verdi; Online).

At the bottom of the page, there is a footer with the logo of Fachhochschule Nordwestschweiz and the text 'Prof. Dr. Knut Hinkelmann' and 'Topic Maps - Omnigator'.

Die Topic Page einen Occurrence Type mit externen Occurrences: Premierendatum

omnigator Home | Manage | Website | Support | About

Browsing opera.xtm

Opera TM | Customize | Filter | Export | Merge | Statistics | Query | Edit | Validate | Vizigate

Première date Type(s): Metadata

Untyped Names (1)

- **Première date**

Subject Identifiers (1)

- <http://psi.ontopia.net/opera/#premiere-date>

Topics (150)

- Adriana Lecouvreur
- Aida
- Alzira
- Amica
- Andrea Chénier
- Aroldo
- Asrael
- Attila
- Bertrando dal Bormio
- Cavalleria Rusticana
- Chatterton
- Conchita
- Cristoforo Colombo
- Cyrano de Bergerac
- Dejanice
- Der Roland von Berlin
- Don Carlos

Occurrences of this Type (153)

- 1839-11-17 (Oberto, conte di San Bonifacio)
- 1840-09-05 (Un giorno de regno)
- 1842-03-09 (Nabucco)
- 1843-02-11 (I Lombardi alla prima Crociata)
- 1844-03-09 (Ernani)
- 1844-11-03 (I due foscari)
- 1845-02-15 (Giovanna d'Arco)
- 1845-08-12 (Alzira)
- 1846-03-17 (Attila)
- 1847-03-14 (Macbeth)
- 1847-07-22 (I masnadieri)
- 1847-11-26 (Jérusalem)
- 1848-10-25 (Il corsaro)
- 1849-01-27 (La battaglia di Legnano)
- 1849-12-08 (Luisa Miller)
- 1850-11-16 (Stiffelio)
- 1851-02-11 (Rigoletto)

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Die Topic Page einen Occurrence Type mit externen Occurrences: Synopsis (Zusammenfassung)

omnigator Home | Manage | Website | Support | About

Browsing opera.xtm

Opera TM | Customize | Filter | Export | Merge | Statistics | Query | Edit | Validate | Vizigate

Synopsis

Untyped Names (1)

- **Synopsis**
 - Synopses
 - Scope: Plural name

Subject Identifiers (1)

- <http://psi.ontopia.net/opera/#synopsis>

Topics (33)

- Aida
- Andrea Chénier
- Cavalleria Rusticana
- Dejanice
- Don Carlos
- Edmea
- Fedora
- Giove a Pompei
- Gloria
- Il trovatore
- L'Arliesiana

Occurrences of this Type (66)

- file:/C:/topicmaps/opera/occurs/a_syn.php3.htm (Aida)
- file:/C:/topicmaps/opera/occurs/ac_syn.php3.htm (Andrea Chénier)
- file:/C:/topicmaps/opera/occurs/dc_syn.php3.htm (Don Carlos)
- file:/C:/topicmaps/opera/occurs/ggw_syn.php3.htm (La fanciulla del West)
- file:/C:/topicmaps/opera/occurs/lt_syn.php3.htm (Il trovatore)
- file:/C:/topicmaps/opera/occurs/lb_syn.php3.htm (La Bohème (Puccini))
- file:/C:/topicmaps/opera/occurs/lg_syn.php3.htm (La Gioconda)
- file:/C:/topicmaps/opera/occurs/lt_syn.php3.htm (La traviata)
- file:/C:/topicmaps/opera/occurs/mb_syn.php3.htm (Madama Butterfly)
- file:/C:/topicmaps/opera/occurs/o_syn.php3.htm (Otello)
- file:/C:/topicmaps/opera/occurs/t_syn.php3.htm (Turandot)
- file:/C:/topicmaps/opera/occurs/tosca-synopsis.htm (Tosca)
- file:/C:/topicmaps/opera/occurs/tosca_syn.php3.htm (Tosca)
- file:/C:/topicmaps/opera/occurs/turandot-synopsis.htm (Turandot)
- file:/C:/topicmaps/opera/occurs/ubm_syn.php3.htm (Un ballo in maschera)
- file:/C:/topicmaps/opera/occurs/clara-synopsis.htm (Clara)

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Die Topic Page für eine Association: Killed by

omnigator

Home | Manage | Website | Support | About

Browsing opera.xtm

Open... Reload Find

Opera TM | Customize | Filter | Export | Merge | Statistics | Query | Edit | Validate | Vizigate

Killed by

Untyped Names (2)

- Killed by
- Kills (by) - Scope: Cause of death; Perpetrator

Subject Identifiers (1)

- <http://psi.ontopia.net/biography/#killed-by>

Role Players (3)

- Cause of death
 - Battering
 - Beheading
 - Drowning
 - Jumping
 - Poisoning
 - Shooting
 - Stabbing
 - Strangling
- Perpetrator
 - Alfio
 - Canio
 - Cesare Angelotti
 - Cio-cio-san
 - Dejanice (character)
 - Executioner

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Hierarchie: Subtype of, Supertype of

omnigator

Home | Manage | Website | Support | About

Browsing opetz.xtm

Open... Reload Find

Opera TM | Customize | Filter | Export | Merge | Statistics | Query | Edit | Validate | Vizigate

Subtype of

Type(s): Hierarchical relation type

Untyped Names (2)

- Subtype of
- Supertype of - Scope: Supertype

Subject Identifiers (1)

- <http://www.topicmaps.org/xtm/1.0/core.xtm#superclass-subclass>

Role Types (2)

- Parent role
 - Supertype
- Child role
 - Subtype

Hierarchy

- Organization
- Person
- Place
- Work

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Hierarchie: Located in, Contains

The screenshot shows the Omnigator web application interface. At the top, there is a navigation bar with links for Home, Manage, Website, Support, and About. Below this is a search bar with the text 'Browsing opera.xtm' and buttons for 'Open...', 'Reload', and 'Find'. The main content area is titled 'Located in' and has a subtitle 'Type(s): Hierarchical relation type'. It is divided into three main sections:

- Untyped Names (2):**
 - Located in
 - Contains - Scope: Container
- Subject Identifiers (1):**
 - <http://psi.ontopia.net/geography/#located-in>
- Role Types (2):**
 - Parent role
 - Container
 - Child role
 - Containee

On the right side, there is a 'Hierarchy' section with a tree view of countries: Argentina, Austria, Belgium, China, Croatia, Czech Republic, Egypt, France, Germany, Greece, Israel, Italy, Japan, Middle East, Monaco, and Poland. The page number '15' is visible in the bottom right corner.

Online-Demo zur Navigation in einer Topic Map: <http://www.ontopia.net/omnigator>

The screenshot shows the Omnigator web application interface. At the top, there is a navigation bar with links for Home, Manage, Website, Support, and About. Below this is a search bar with the text 'No open topic map' and a button for 'Open...'. The main content area is titled 'Welcome to the Omnigator' and is divided into four main sections:

- Index of Topic Maps:** A list of topic maps including factbook.hymt, jill.xtm, KanzakisConcerts.rdf, mondial.xtm, opera.ltm, pokemon.ltm, support-kb.ltm, tm-standards.xtm, userman.ltm, and xmlitools-tm.xtm.
- Version:** Version 3.2.1, Build 2007-01-08 #2517, Expires No expiry.
- Further Information:** A section with a 'Fertig' button.
- Read Me First:** A section with text describing the Omnigator as a technology showcase and teaching aid, and a small map showing locations like Rome, Oaxaca, Shepherd-boy, Vissid'arte, and Sanistan.

The page number '16' is visible in the bottom right corner.

Die Factbook Topic Map: 746 Einträge

omnigator Home | Manage | Website | Support | About

Browsing factbook.htm
Open... Reload Find

Customize | Filter | Export | Statistics

A CIA World Factbook Topic Map

Topic Map Overview

- **Ontology**
- Master Index
- Index of Individuals
- Index of Themes
- Unnamed Topics

Topic Types (5) Anklicken

- Country
- Format
- Natural resource
- Religion
- Type

Topic Map Metadata

- **Creator:** Ontopia
- **Date:** \$Date: 2005/11/20 15:02:24 \$
- **Description:** A Topic Map of Geographical Data based on the CIA World Factbook. This is an example topic map generated through a quick Python hack from data in HTML format that was "harvested" from the CIA World Factbook web site back in 1999. It is offered as a simple example of a topic map that conforms to a HTML

Association Types (9)

- borders with
- Creator
- Format
- has national religion
- has natural resource
- Language
- Publisher
- Subject
- Type

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Die Länder der Factbook Topic Map

omnigator Home | Manage | Website | Support | About

Browsing factbook.htm
Open... Reload Find

A CIA World Factbook Topic Map | Customize | Filter | Export | Statistics | Vizigate

Country

Untyped Names (1)

- Country

Subject Identifiers (1)

- http://psi.ontopia.net/geography/#country

Topics of this Type (264)

- Afghanistan
- Albania
- Algeria
- American Samoa
- Andorra
- Angola
- Anguilla
- Antarctica
- Antigua and Barbuda
- Argentina
- Armenia
- Aruba
- Ashmore and Cartier Islands
- Atlantic Ocean
- Australia
- Austria

Anklicken von Switzerland

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Assoziationen und externe Ressourcen zu Switzerland

Switzerland
Type(s): Country

Untyped Names (6)

- Switzerland
- Schweiz (German), Suisse (French), Svizzera (Italian) - Scope: Local short form
- Schweizerische Eidgenossenschaft (German), Confederation Suisse (French), Confederazione Svizzera (Italian) - Scope: Local long form
- Swiss Confederation - Scope: Conventional long form
- Switzerland - Scope: Conventional short form
- SZ - Scope: Data code

Associations (12)

- borders with
 - ◊ Austria
 - ◊ France
 - ◊ Germany
 - ◊ Italy
 - ◊ Liechtenstein
- has national religion
 - ◊ no religion
 - ◊ other
 - ◊ Protestant
 - ◊ Roman Catholic
- has natural resource
 - ◊ hydropower potential

Subject Identifiers (1)

- <http://www.topicmaps.org/xtm/1.0/country.xtm#CH>

External Occurrences (3)

- Flag
 - ◊ <http://www.cia.gov/cia/publications/factbook/flags/sz-flag.html>
- Main page
 - ◊ <http://www.cia.gov/cia/publications/factbook/geos/sz.html>
- Map reference
 - ◊ <http://www.cia.gov/cia/publications/factbook/maps/sz-map.gif>

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Verwandte Themen zu hydropower potential

omnigator

[Home](#) | [Manage](#) | [Website](#) | [Support](#) | [About](#)

Browsing factbook.htm

A CIA World Factbook Topic Map | [Customize](#) | [Filter](#) | [Export](#) | [Statistics](#) | [Vizigate](#)

Untyped Names (1)

- hydropower potential - Scope: Full name

Associations (11)

- has natural resource
 - ◊ Cambodia
 - ◊ Cameroon
 - ◊ China
 - ◊ Congo, Democratic Republic of the
 - ◊ Costa Rica
 - ◊ Nepal
 - ◊ Suriname
 - ◊ Sweden
 - ◊ Switzerland
 - ◊ Tanzania
 - ◊ Zambia

Type(s): Natural resource

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