

# wandora

giving the information back to the people

Wandora is a general purpose knowledge extraction, management, and publishing application based on Topic Maps and Java. More precisely Wandora is an open source application to build and manage topic maps. Wandora has graphical user interface, layered presentation of knowledge, several data storage options, rich data extraction, import and export capabilities, and open plug-in architecture. Wandora's license is GNU GPL.

## Wandora's key features are

- Desktop application,
- Java application, requires Java 1.6.
- Graphical user interface.
- Multiple data storage options: Memory and Database topic maps.
- Layered Topic Maps paradigm.
- Extensive collection of tools to modify topics, associations, and topic maps.
- Import and export Topic Maps in XTM 1.0 and 2.0 and LTM formats.
- Imports RDF(S) and N3 formats.
- Imports Open Biology Ontology (OBO) flat file formats and Gene Ontology Annotation (GOA) formats.
- Embedded WWW server
- Exports static HTML site
- Exports Topic Maps in Graph Modelling Language (GML), GraphML, and GraphXML formats.
- Extracts Topic Maps from
  - MP3, JPEG, PDF files,
  - Emails and DBX and MBOX email repositories,
  - News feeds such as RSS and Atom,
  - Bibliographical file formats BibTeX and RIS,
  - Microformats such as geo, adr, hcalendar, hcard,
  - HTML structures such as tables and lists,
  - Various open web services such as Flickr, YouTube, Digg, Delicious, Ovi, Wikipedia, Geonames, OpenCalais etc.
- Compare topic maps,
- Calculate clustering coefficient for a topic map,
- Calculate topic map diameter,
- View topic map connection count and distribution,
- Self Organizing Map (SOM) classifier to analyze topics and associations.
- Many interesting topic map generators: Random graph generator, Tree graph generator, Tiling graph generator, and L-system generator.

Wandora suits well for rapid ontology construction and knowledge mashups. For example, Wandora is capable to extract and convert various open data feeds to Topic Maps format. Beyond Topic Maps conversion, the feature allows Wandora user to aggregate multidimensional knowledge bases where information from Flickr meets Geonames and Delicious, for example.

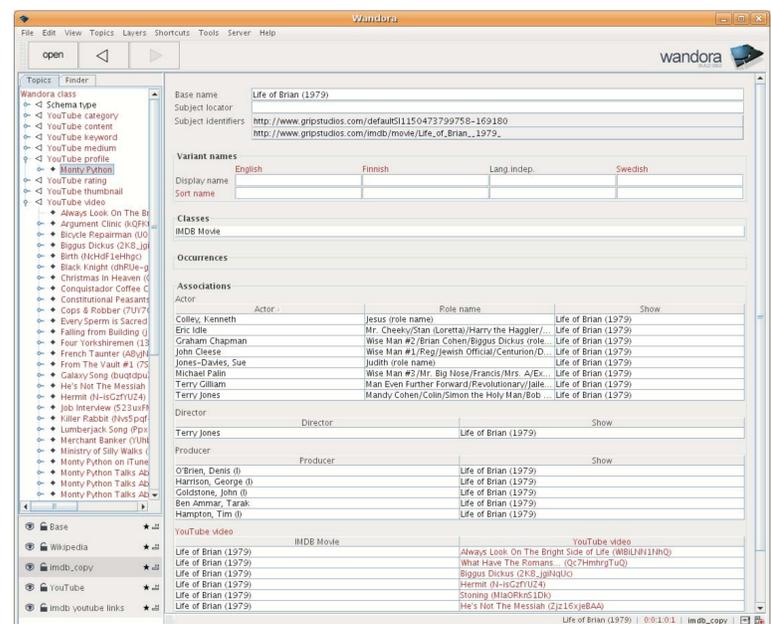


Image: Screen capture of Wandora with a mash-up topic representing Monty Python's movie Life of Brian. Movie related topics and associations were created using IMDB and YouTube extractors.

Wandora application, documentation, and discussion forum are available at [www.wandora.org](http://www.wandora.org)