Data Gathering

Problem: no complete, detailed and comprehensive data source available (not only medal winners, but all participants). A combination of Wikipedia, IOC’site and databaseolympics.com yield best results.

Thousands of hyperlinked texts contain information about all Olympionists. Data is being gathered, parsed and written to mySQL database using the Perl language.

Information about existing Data

A combination of Wikipedia, IOC’site and databaseolympics.com yield best results. Some examples showing the amount of data found in WWW is listed below.

Participant Countries

Visualization of the participating countries by interactive timeslider. New IOC members become light green.

Geotime Mapping

Geotime Visualization of the Olympic Cities. Switching time with interactive Timeslider confines special years. Change of view is possible (rotation, pan and zoom).

Geotimenodes represent additional information. Red color: discontinuities in Timeline (WWI and WWII) Size: number of athletes participating Cities and years can be shown in a box. Second view (see athlete’s information) shows details.

Athlete’s information

Geotime view shows Olympic Timeline. Information about specific Games are shown in the second view while moving the mouse.

Clicking on one athlete’s name opens a Wikipedia Webbrowser with more detailed information about the individual.

Clicking on a medal opens a window with a comparison of an athlete’s life with other athletes from the same or from other disciplines.

Olympic Summer Games

Medal Winners

Implementation

Visualization will be implemented in C# using Direct3D