

Linked data of time basic data

Tatsuki Sekino

Research Institute for Humanity and Nature

Time basic data such as event indexes and calendar conversion, which correspond to gazetteers and datum conversion in GIS, have been provided through our website of time information system HuTime (<http://www.hutime.org/>). There is an ability that some kinds of the time basic data perform as linked data. For example, historical events and eras related to a date or a term can be linked with other events, names and resources as well. This is the same situation as the place names in GIS. Not only these temporal named entities but also dates have various kind of related information. Dates usually appear as literal values expressed by ISO 8601 format in linked data. However, a specific date can be linked with the next date, dates in the next year, other expressions according to different calendar and names of holyday. This means that information about dates can be provided as linked data.

In this presentation, I will report these activities related to construction of time basic data as linked data, and consider utilization of the data in HuTime and other analysis tools for temporal information.