

Spatiotemporal Basic Data and their Linkage

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Base map and gazetteer are often used to show objects on a map. Additionally, some kinds of datasets for temporal information corresponding to base map and gazetteer have been developed. These basic data are essential to visualization and information analysis along location and time.

Recently, semantic web technology is widely used as Linked Open Data, and makes linking data between different data resources easy. Consequently, it is possible to cooperate between different kinds of basic data. For example, a user will be able to visualize and analyze his data, using two gazetteers for different historical periods. Various kinds of basic data have already been provided as linked data, and therefore, data analysis and visualization using such data cooperation will become important. The following topics will be considered in this session:

- Construction of spatiotemporal basic data.
- Visualization and analysis tools using basic data
- Application of basic data through linked data mechanism