

Temporal Based Information System (T2Map)

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Geographic and temporal data is important to connect various types of information. Geographic Information System (GIS) which is able to arrange information based on geographic data, has become popular in many scientific fields as a useful tool to find relationship between information. However, there are few tools to arrange information based on temporal data like GIS.

Text information relating with temporal data has been expressed using chronological tables traditionally. Numeric information relating with temporal data has been expressed using graphs such as line graphs. Since both of chronological tables and graphs have a temporal axis and can be arranged on the same axis, it is possible to analyze relationships between different types of information based on temporal data like analysis based on geographic data using GIS.

T2Map (Time & Theme Map) is a tool to realize the analysis based on temporal data. Fundamental functions have been implemented, and are data display (text and numeric information), period scaling of data display and text search. Functions of translation between different calendar types, statistic analysis based on temporal data and cooperative processing with TimeMap will be implemented in the future.