

Gazetteer Construction for the Electronic Cultural Atlas of Chosun Korea

Jong-hyuk KIM

Institute of Korean Culture, Korea

kjhgeo@korea.ac.kr

The topic of this presentation is about the construction of gazetteer for the electronic cultural atlas of Chosun Korea. In detail, the construction of gazetteer has been carried out by constructing of place-name database of Chosun period. The structure of place-name database was designed to extend the period of before and after of Chosun period. This presentation is consisted of four parts which are sources of data, structure of database, embodiment through webpage, and application plan.

For construction of gazetteer in the Chosun period, the most important sources are map, Jiriji(a geography of Chosun) and geographical dictionary. The time range of these is from before Chosun dynasty to present. Because place-names basically have attribute of continuity.

The design of database structure was established in the method which gives time value, space value, and subject value to each place-names. Specially the change of administrative division can be tracked by coding the change type of each place-names (establishment, integration, closure, renamed geographical name, extinction, rebirth). The space value was written with longitude and latitude coordinate and administrative place-name. The subject value is given by coding patterns of geographical names which are classified by administrative place-names, physical place-names, and human place-names.

This work is achieved with ArcGIS program and is going to begin some web service from the beginning of next year. The position, pattern, change of place-names will be expressed in map and text form in website. In circumstance that this project is progressing or completes, the Electronic Cultural Atlas of Chosun Korea will provide basic data about Korean place-names study and will be able to extract and classify. Furthermore, it will be expected as a serviceable database in order to decide for a position of various cultural traits.