

The Collaborative Research Platform for Data Curation and Repositories : On the GIS-Based Asian-wide Historical Studies

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Abstract

Historical and Area studies researchers often need to collect data from field works and to use cross-relate datasets from heterogeneous sources, of diverse types, and for multiple purposes. To conduct collaborative research works, in particular in multi-disciplinary and wide-area projects, it is a norm for the various stakeholders to share and reuse their datasets. As the volume of datasets increase, so are the demands on the efficient and effective use of these datasets, ranging from data curation, storage, search and visualization. In this article, we propose the collaborative research platform for data curation and repositories using open source and free software. Our goal is to assist researchers who engaged in the GIS-based Asian-wide historical studies to share and find research resources effectively. In addition, we emphasize the use of web standards and open source software in this project, so that the platform can be freely disseminated and reused.

Keywords: GIS, Open Data, Data Repository, CKAN