

The Expansion and Integration of the Buddhist Content for Digital Research Environment

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This presentation intends to introduce the current research project on Digital Research Environment in Taiwan. In order to achieve the goal of integrating digital archives and information technologies for building a digital research environment, the main integrated project "*Building the Chinese Buddhist literature research environment*", with its sub project "*The expansion and integration of the digital Buddhist content*", aim to accumulate, expand and integrate the large-scale scripts and existing digital archives of Chinese Buddhist sutras.

As a three-phase project, the main work in the first phase is called "**accumulation**", which aims to building texts and data of spatial and temporal of Chinese Buddhist texts. It includes making different structures of digital archives to meet the needs of quantitative and statistical analysis, and building data of spatial and temporal related to Chinese Buddhist sutra translation. The second phase "**expansion**" aims to expand the Buddhist texts in Ming and Qing dynasties. It will digitize the rare scripts of "Jiaying Tripitaka" and collected catalogs in Ming and Qing dynasties. The third phase "**integration**" aims to construct ontology of Chinese Buddhist texts. In this phase, the virtual archives of successive dynasties Tripitakas will be built, cross-dynasty digital catalogs will be integrated, and the database of Buddhist phonological collection will be completed.

The final goal of the integrated project is to provide a research platform, in which the data of font, pronunciation and meaning of words are integrated, and via the platform, users are able to do their studies such as Buddhist phonological data analysis, quantitative analysis of terms, the history of Chinese sutras, etc.

From the overall perspective, the main integrated project combines 3 topics, **digital archives, researches of humanities information and the research platform**. At the same time as the implementation of the Buddhist texts research platform, it will also fulfill the Chinese literature research environment, in which scholars are able to interact with rich data of language, space, times and fields.