

## **The Historical Images and Humanism Maps of Eastern Taiwan**

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### ***Abstract***

In the researches on Taiwan's historical cultures, most of the relics, heritages, ancient monuments or historical sites have their location space data and possible time range. Overlay and analysis models can be widely applied in GIS, which integrates satellite images, maps and data based on the attributes of time and space, in order to reconstruct the scenes of historical culture and environment. This research collected and integrated the image data of historical culture and maps according to the classification of the following 5 historical periods: "prehistoric period", "period of Holland and Spain", "Chin dynasty", "Japanese colonial period" and "post-war period" (before 1970). A total of 3,750 images were collected, and the explanation of all the images and the filing of GIS database were established. On the exhibition and application platform, the time map of history and humanism under different themes were also established through the connection of the space location of each image in the Internet GIS environment of Google Map. There has been a good foundation of the application of digital collection and GIS with regards to Eastern Taiwan image data. The research result has been expanded to develop the Internet sharing technology, connect the historical images of GIS, and enrich the digital collection of Eastern Taiwan researches.

***Keywords:*** *historical culture and maps, Eastern Taiwan images, Internet GIS*