

Outline

Concept Introduction

Concept of Digital museum

Concept of Geographical Information system

Relevance to Major

Relevance to History

Relevance to Geography

Impact to Major and the Social Digital Construction

Impact of digital museum on History

Impact of GIS on Geography

The similarities between two areas (relate to digital construction)

Concept about digital museums (Definition/History / Development)

- D Real collections — digital elements — create immersive environments (Cameron, 2003).
- H Since the beginning of the 21st century, the museum digitization movement has lasted for more than a decade (R. Y. Li & Liew, 2014).

With the development — — connect the offline museum with online museum websites.

 D According to Li et al. (2012), put the information on the digital web pages/record video of their tour guide. Ex. Hong Kong Palace Museum



Digital Museum Development Example Hong Kong Palace Museum



Concept about Geographical Information System (GIS) GIS

It is defined as a special type of information system that is used to input, store, retrieve, process, analyze and visualize geospatial data and information (Awange & Kiema 2018)

Data collection

GIS rely on technology of remote sensing like satellites to collect massive data.

discrete objects

GIS can separate different objects on the map (like buildings, rivers) in different layer.





Relevance of GIS to geography

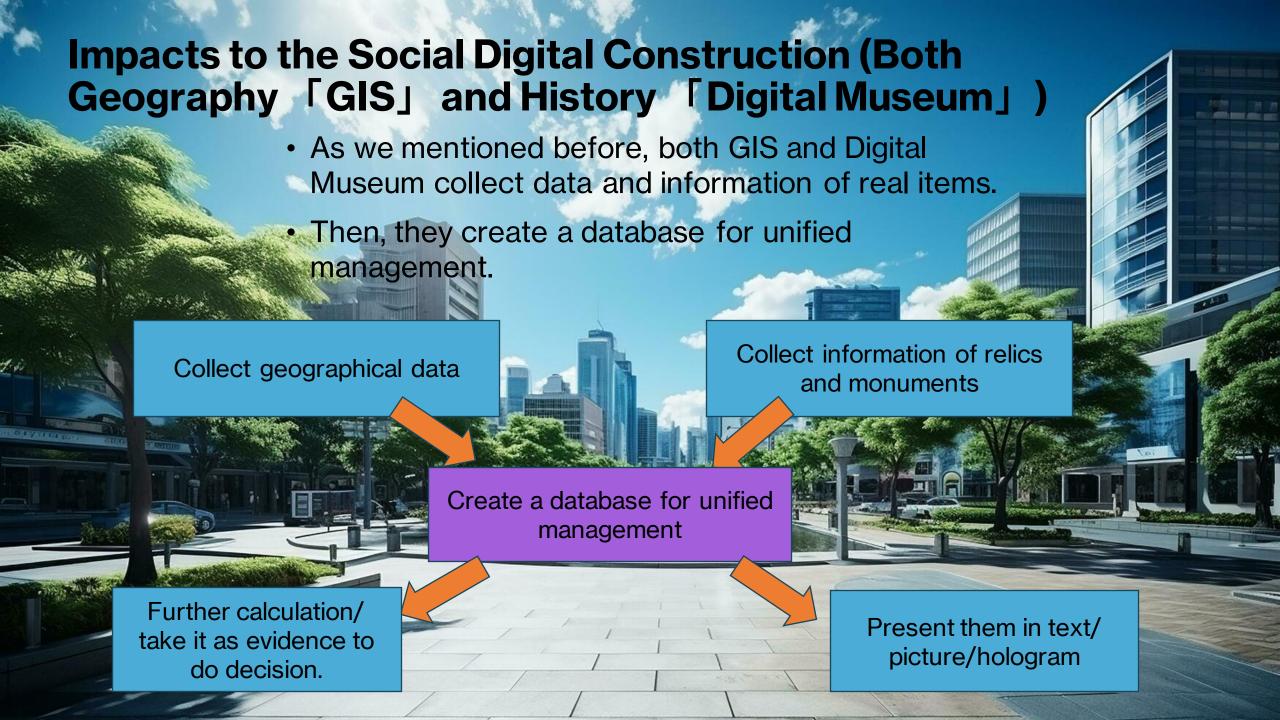
Geographic information – including relief, building/ settlement distribution, air pressure, temperature, etc.

Providing evidence for scholars to debate with their claims, facilitating progress of academic system.



Impact of GIS to Geograpghy

- Urban planning GIS support urban planning by generating planning model, which can prevent potential problem like traffic jam. As a result, city enjoy a more effective resource management.
- Weather predicting GIS contain strong calculation system and massive database. By analyzing such data, weather can be predicted and prevent large loss from hazard, like analyzing regional air pressure can predict the existence of typhoon.



Reference list

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