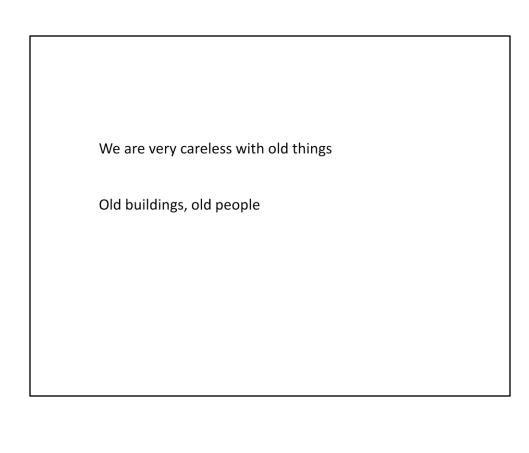
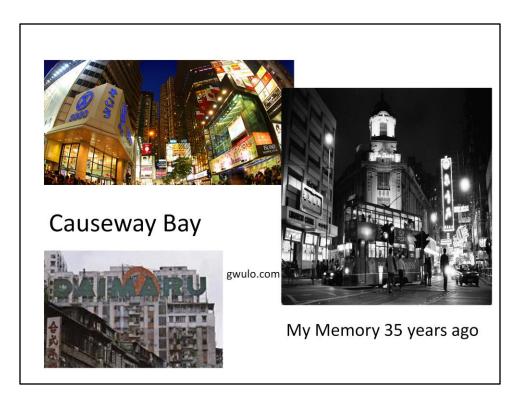
Culture and Heritage Knowledge Management Case Study:

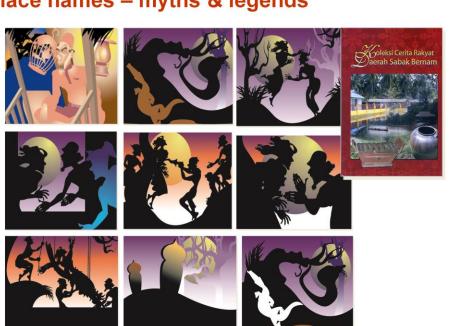
A Digital Atlas

Peter Woods Knowledge Management Centre Multimedia University Malaysia





Place names – myths & legends



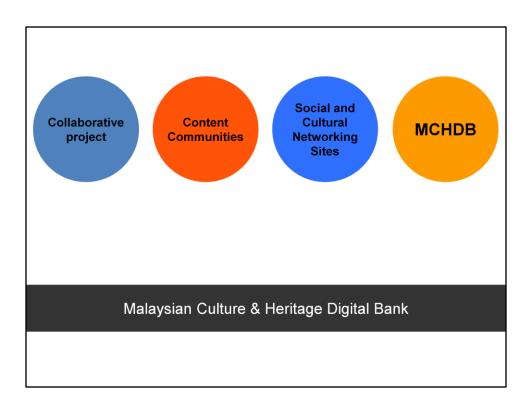
Stage 2

Layout / Interface

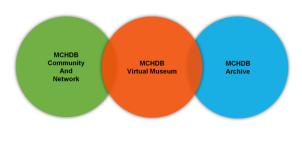


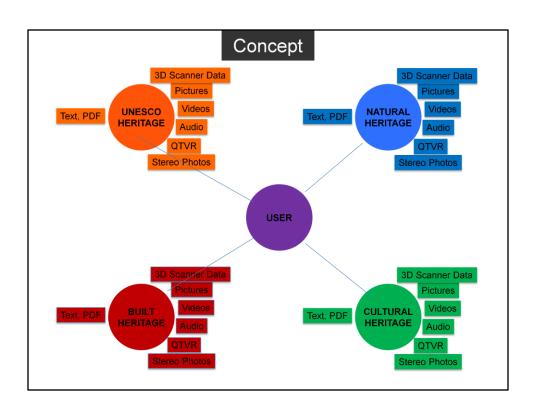


• Introductory montage and fully-interactive menu and maps (district as well as counties) for easy navigation



- Made by both professionals and public.
- Items have all metadata plus other opinions and information from MCHDB Community..
- It helps other museums to make a virtual and web-based museum,
- It helps e-tourism based on trustable content and true stories
- It helps academics, organizations, and whoever works to preserve Cultural Heritage.





The Vanishing Heritage



The Suleiman Courts (1958 - 1986) - First High-Rise Flats in Kuala Lumpur

The Vanishing Heritage



The Pekeliling Flats (1967- 2015) - Second High-Rise Flatsl in Kuala Lumpur

Digital Archiving of Architectural Heritage

- Organizations still don't appear to focus on the end users, the distribution or how the public can benefit from a new type of archive (Dunne and Lerkenfeld, 2010)
- One first step to be taken before making any decision about digitization of a cultural heritage is to define its importance, purpose of digitization and prospective audiences.

The First Phase

The National Mosque of Malaysia and Dewan Tunku Canselor in University of Malaya, Kuala Lumpur, were selected for data sampling aiming to:

- Create on a theoretical framework
- Create a GUI prototype for future purposes mainly extending the Atlas
- Introduce a protocol for other archivists

Two Early Targets



The National Mosque of Malaysia, Kuala Lumpur - 1965

Two Early Targets



Dewan Tunku Canselor, University of Malaya, Kuala Lumpur - 1966

- Information about the buildings such as location, coordinates, materials, important dates, persons in charge, etc.
- Existing records such as old photos, newspapers, plans, technical drawings
- Captured materials by the capturing team including photos, videos, 3D laser scans, ambient sounds
- E-reconstruction including 3D modeling, visualization, virtual reality, serious games, and 3D printing



THE STRAITS TIMES, SATURDAY, APRIL 13, 1966



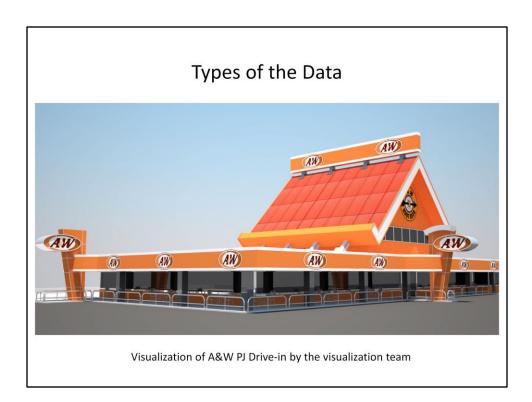
THE STRAITS TIMES, SATURDAY, APRIL 13, 1966



Calligraphy exhibition, Dewan Tunku Chancellor - 1970



The first drive-in restaurant in Malaysia, (A&W PJ Drive-in) – Tagged for demolition







Aerial videography by the digital capturing team

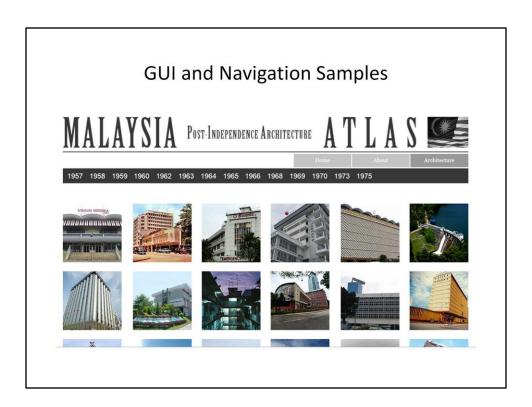


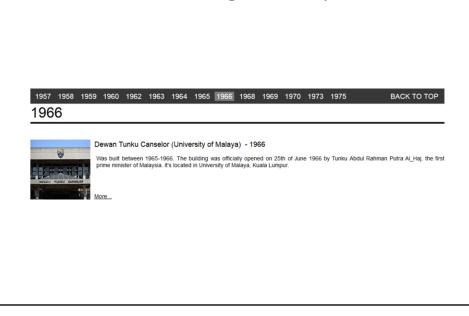


3D laser scanning by the digital capturing team

Codification of the Data

- Core Data Index
- Historical Records
- Digital Capturing
- Virtual Reconstruction
- References





MALAYSIA POST-INDEPENDENCE ARCHITECTURE AT LAS Morine About Architecture ARCHITECTURE > DEWAN TUNKU CANSELOR Digital Capturing References Dewan Tunku Canselor - 1966

