

## **Museum Using Digital Technology to Interact with Audiences: Some Practices in National Museum of History**

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Digital technology has advanced greatly in the last two decades. With the arrival of internet browsers, World Wide Web has become an essential part of modern world. Equipment of digital technology evolves from hefty tabletop computers to lightweight personal smart phones. In response to such technological advancement, many museums begin to utilize digital technology in exhibitions and educational activities to increase their interaction with audiences and to enhance educational value of the museum environment.

National Museum of History (hereafter NMH) was founded in 1955 and will celebrate its 60th Anniversary next year. For the last sixty years, works of collection, research, exhibition, and education in NMH have always been responding to the changes of time and have accumulated quite a few achievements.

Beginning from 2002, NMH participated in the National Digital Archives Program and digitalized its rich collection step by step, paving a solid base for the environment of digital learning in museum. This speech will describe various phases of utilizing digital technology in NMH and analyze how NMH integrate rich digital resources of museum collection with digital technology to develop different strategies in education and exhibition. Some examples of our works include internet teaching packs for lifelong learning, 3DVR virtual display, multi-lingual on-line guided tours, mobile museum of digitalized Taiwanese artifacts, cloud service, APP download, and motion-sensing interactive display. In the future, we will engage in the utilization of 3D Printing and big data analysis.

I hope I can share the experiences of NMH through this speech and I sincerely look forward to your feedback.