

Complex Bibliographic Systems: Integrating Content Management and Knowledge Assets

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During the first year of the 21st century, Taiwan's National Central Library followed the footsteps of technological advances and government development policy into the realm of digitalization. We have gradually made available our rich and diverse holdings through improved bibliographies, content resources, and an accumulation of knowledge assets. In recent years, perhaps because the time was right and technology allowed it, many multi-system structures have formed, heralding in the advent of the age of integrated knowledge services. NCL is preparing to address this trend through a carefully-planned, new, high-quality integrated service build on a solid foundation.

This study first outlines NCL's digital resource infrastructure and services and discusses the influence of these resources on content management and services at the library. Then, with regards to changes in catalog holdings and reader behavior, it addresses issues on management and control of diverse content; analyzes changes in the acquisition, management, and service policies of digital resources on a national scale; summarizes NCL's digital resource policies for acquisition, management, and service; and introduces the content of new important knowledge services, including periodicals, theses and dissertations, government data, and rare books.

The conclusion points out that globalization has brought about increased competition among countries. Now, a competitive edge requires innovation. This in turn is founded on knowledge banks and the library is the foundation of all knowledge banks. Digitalization is a necessary trend and result in library development. The mission of NCL is to "Work toward a global information community, preserve national documents, and promote increased understanding and knowledge, life-long learning, and the continuation of sinology." In this regard, we have begun a restructuring and transformation of the theories, processes, methods, and policies on digital content acquisition, digital resource management, and digital knowledge services. Specifically, we are responding to users' needs, national policies on technology, and development trends of libraries worldwide to establish next generation systems of digital knowledge management and information services. At the

same time, we are planning a new digital environment that will bring together technology skills, cloud-computing, megamedia content, e-reading, and copyright management in order to reader familiarity and capabilities with digital media.