The Applied Management Construction Research of Digital Multimedia Archive - A Case of Medical and Sanitary Broadcasting

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ABSTRACT

This research adopts the digital multimedia preservation application management model of “ Changhua Christian Hospital ” and takes the “ National United University ” as site to construct and research the communication of healthcare. This research takes the cost to integrate the concepts of “ preservation ”, “ application ”, “ management ”, and “ constructing ”; finally, it will construct a digital multimedia communication platform by the topic of healthcare communication. By the arrangement of time and assistance of advanced net monitor, the digital information about healthcare can communicate automatically through the digital TV. Thus, students ’ perception to the information about healthcare will advance. This research expects it can provide reference for the constructing of multimedia preservation application management. It also expects it can reach the predictive result of the research purpose. According to the questionnaire survey result, the testees generally accepted the healthcare communication service provided by this system. We expand the prototype frame the “ Changhua Christian Hospital ” has finished and communicate it. By the questionnaire survey, we know the students can accept the service of this system. And this result matches the forecasting, as well as verifies the usability of the expanded communication of this research system.

Keywords : digital, preservation, multimedia, communication

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REFERENCES

一、中文部份 吳政叡(1998)，都柏林核心集與元資料系統，台北:漢美，76-77。 吳紹群(2000)，博物館館藏管理系統之研究:以鴻禧美術館為例，國立政治大學圖書資訊研究所未出版之碩士論文，83-86。 范紀文，何建明，李德財(2001)，從數位典藏資料交換角度探討後設資料(Metadata)標準化問題，新世紀數位圖書館與數位博物館趨勢研討會(pp. 5-10)，新竹:國立交通大學。 陳俞妏(1995)，淺談資料的數位轉換，國立中央圖書館館刊，28(2)，3-12。 陳雪華，陳昭珍，陳光華(2001)，數位圖書館XML/Matadata管理系統，台北:文華圖書館管理資訊股份有限公司，55-56。 陳雪華，項潔，鄭惇方(2003)，數位典藏在數位內容產業之應用加值，2003年數位內容創意加值研討會(pp. 4-8)，台北:國立台灣大學。 陳和琴(2001)，Metadata與數位典藏之探討，大學圖書館，5(2)，1-10。 陳昭珍(2000)，電子圖書館整合檢索之理論與實作(初版)，台北:文華圖書管理資訊股份有限公司，31-38。 陳亞寧，陳淑君(1999)，Metadata初探，中研院計算中心通訊，15(5)，1-20。 陳亞寧，陳淑君，沈漢聰、鍾豐謙(2002)，後設資料系統的需求評選與發展設計，第一屆數位典藏技術研討會(pp.

246-257)，台北:中央研究院資訊科學研究所。 陳嵩榮(1999)，SGML、XML、RDF文件標準比較與Metadata資料模式設計，輔仁大學圖書資訊系未出版碩士論文，83-88。 黃雅萍、徐新逸、林燕珍(2005)，數位典藏融入教學之模式發展，數位典藏資訊融入教學研討會(pp. 76-89)，台北:國立臺灣大學物理系凝態科學研究中心。 曾慕曦(2003)，主題式數位典藏建置平台之研究，國立政治大學資訊科學學系未出版碩士論文，75-78。 謝清俊(2000)，國家典藏數位化計畫規劃(pp. 63-64)，台北:中央研究院資訊科學研究所。 數位典藏國家型科技計畫(2002)[線上資料]，來源: http://www.ndap.org.tw/ [日期不詳]。 二、英文部份 Baker, T. (2000). A Grammar of Dublin Core. D-Lib Magazine, 6(10). ISSN 1082-9873 [Online]. Available: http://www.dlib.org/dlib/october00/baker/10baker.html [No date]. Bederson, B.B. (2001). PhotoMesa: A Zoomable Image Browser Using Quantum Treemaps and Bubblemaps, ACM Symp. User Interface Software and Technology, CHI Letters, 3(2), pp.71-80. Baird, H.S. (2003). Digital Libraries and Document Image Analysis. IEEE Int'l Conf. Proceedings of the Seventh International Conference on Document Analysis and Recognition (ICDAR ’03)(pp. 2-14), Singapore: Heriot-Watt University , Edinburgh. Canadian Heritage Information Network (CHIN). Preservation Recommendations, 2002.
[Online]. Available: http://www.chin.gc.ca/English/Digital_Content/Preservation_Recommendations/introduction.html [No date]. Davis, M. (2003). Active Capture: Integrating Human-Computer Interaction and Computer Vision/Audition to Automate Media Capture. IEEE Int'l Conf. Multimedia and Expo (ICME 2003)(pp.185-188), Singapore: Location: Dover A. Dublin Core Metadata Initiative (1997). Dublin Core Element Set: Reference Description.
[Online]. Available: http://purl.org/DC/about/element_set.htm [No date]. Fuxian, G. (2002). Information resource planning. Beijing:Tsinghua University Press, China.
[Online]. Available: http://www.ihb.ac.cn/centers/2/benthos/Achi.en.htm [No date]. Fleischhauer, Carl. (1996). Steps in the Digitization Process. The Library of Congress / Ameritech National Digital Library Competition.
[Online]. Available: http://memory.loc.gov/ammem/award/docs/stepsdig.html [No date]. Frey, F. (2000). Measuring Quality of Digital Masters. Image Permanence Institute Rochester Institute of Technology.
[Online]. Available: http://www.cis.rit.edu/content/view/314/49/ [No date]. Kirk, M. (1998). Digital archives of engineering images: lessons from the arts. Advances in Engineering Software, 29(10), 833-837. Marsh, B. (1997). Syntactic Considerations for the Dublin Core (Nov 1997)
[Online]. Available: http://purl.oclc.org/metadata/dublin_core/syntax.html [No date]. Nack, F. (2004). The Future in Digital Media Computing is Meta. IEEE MULTIMEDIA,11(2), 10-13. National Library of Australia, NLA (1998). Recommended Practices for Digital Preservation. Australian Libraries Gateway.
[Online]. Available: http://www.nla.gov.au/map/gazetteers.html [No date]. Smeulders, W. M. (2000). Content-Based Image Retrieval: The End of the Early Years. IEEE Trans. Pattern Analysis and Machine Intelligence, 22(12), 1349-1380. Waugh, A., Wilkinson, R., Hills, B. & Dell'oro, J. (2000). Preserving digital information forever. Proceedings ACM DL 00, 175-184.