The Directorate of the National Archive of Monuments (DNAM) is a division of the Hellenic Ministry of Culture. With all due respect to the past and looking forward to the future, DNAM has undertaken the electronic recording, documentation and management of archives related to the Greek Cultural Heritage, in order to ensure its preservation under optimal conditions and promote its effective and creative utilization. Employing state-of-the-art technology, DNAM actively promotes the dissemination of knowledge across a broad spectrum of cultural and archaeological realms, supporting scholarly research and facilitating the access to archival content.

The Directorate of the National Archive of Monuments is the designated authority for the collection, indexing and study of archival material that relates to the historical monuments and archaeological sites in Greece. Moreover, it coordinates the digitization procedures applied by the Regional Authorities of the Hellenic Ministry of Culture.

The DNAM head office is located in Theseion, right in the heart of the historical centre of Athens, in a restored building of the 30's. In 2008, the Historical Archive of the Archaeological Service was relocated to a renovated industrial building at a short distance from the Kerameikos archaeological site. Complying with modern storage and conservation standards, the building includes offices for the specialized staff of the Directorate and study areas for visiting students and scholars. It also features a fully equipped conservation laboratory, an exhibition area and a library.

The Directorate plays a vital role in the contemporary knowledge environment. Placing advanced technologies to the service of cultural heritage, it contributes significantly to the national endeavour for the digitization of Greek culture, while it harmonizes digitization practices and electronic documentation with the view to achieve integrated management of collections and monuments at a national level. Furthermore, the Directorate facilitates the exchange of scholarly knowledge, through publications, conferences and numerous presentations.

In order to meet contemporary challenges set within the cultural sector, the DNAM makes the most of the development perspectives offered by European Union programs and projects.

Dr Metaxia Tsipopoulou was born in Athens. She graduated from the Department of History and Archaeology, Faculty of Philosophy of the University of Athens, where she obtained her doctoral degree on the Early Iron Age pottery of Eastern Crete. She continued her postdoctoral research at the University of Bristol, UK, for two years; at the National Foundation of Research in Italy on a NATO senior fellowship; and, later, at the State University of New York, as a Fulbright scholar. Her long-term career at the Archaeological Service of the Ministry of Culture began in 1975 and was spent for the most part on Crete. From 2007 she directs the National Archive of Monuments.

Dr Tsipopoulou is a specialist on Bronze and Iron Age of the Aegean and Crete in particular and her scholarly interest focuses on the study of settlement patterns and pottery. Her fieldwork and publications have changed many of the previously established views on the Bronze Age of Crete. She directed important systematic excavations on Crete, including the Minoan urban settlement and palace at Petras, Siteia; the Late Bronze Age settlement at Chalasmenos, Ierapetra; as well as the Late Minoan III cemeteries at Kritsa, Mirabello and Achladia, Siteia. She has also directed surface surveys, organized archaeological museum exhibitions and international scientific conferences and delivered numerous lectures and seminars in Greece and abroad. Her publications include over 70 articles and several monographs.
Digital Heritage in the New Knowledge Environment:  
Shared spaces & open paths to cultural content  
31. 10. 08 - 02. 11. 08

Edited by  
Metaxia Tsipopoulou

Athens 2008
TABLE OF CONTENTS

Redefining the Research Field
16 • P. Adam-Veleni
Multimedia Applications at the Archaeological Museum of Thessaloniki

19 • L. Kolovou, G. Hatzi – Spiliopoulou
The Digital Exhibition of the History of the Ancient Olympic Games: Presentation of Ancient Olympic Games using Information Technology

23 • M. Palioura, M. Vouleli
The Photographic Collection of the Byzantine & Christian Museum. Object - Image: Database of the Memory

25 • A. Polymerou-Kamilaki
Archive Digitization at the Hellenic Folklore Research Centre of the Academy of Athens

29 • A. Tourta, D. Lazidou, N. Vranikas, A. Karadimitriou, E. Katsanika
Digital Applications and Multimedia at the Museum of Byzantine Culture

33 • S. Brown
A Catalogue of Problems: Database Design Issues in the Context of Historical Data Series

37 • P. Kalamara, M. Mouliou
Archaeological Stores in Greece: Recording Electronically their Current State as a Way to Provide Informed Choices for the Future Management of Archaeological Resources

40 • S. Eve
Digital Applications and New Media in Archaeological Practice and Management

44 • G. Riginos, D. Drosou, D. Sakkas, R. Vlachopoulou, L. Liakos
Record – Documentation – Preservation – Promotion. Digital applications of the 33rd Ephorate of Prehistoric and Classical Antiquities for the Management of Archaeological Data

48 • B. Molloy, W. Megarry
The Role of Interrogable Digital Archives in the Dissemination of Information from the Excavations at Priniatikos Pyrgos

52 • S. Sylaiou, C. Georgiadis, A. Panti, P. Patias
Recording Cultural and Natural Heritage with Ground-Based Laser Scanning: The Case of the Maroneia Cave

55 • P. Tzouveli, N. Simou, G. Stamou, S. Kollias, D. Kalomirakis, G. Foukaneli, N. Fyssas
Sacred Figure Recognition Based on Byzantine Iconography Knowledge

58 • C. Bakirtzis, S. Tzevreni, S. Vasileiadou, N. Kokkinos
Potential Electronic Publication of Rescue Excavations. The Model of the Water Supply System of Thessaloniki II
Exploring the Web 2.0 Potential

61 • L. Isaksen
Pandora’s Box: The Future of Cultural Heritage on the World Wide Web

65 • E. C. Kansa
Opening Archaeology to Mash-ups: Field Data and an Incremental Approach to Semantics

69 • S. Costa, E. Zanini
Sharing Knowledge in Archaeology: Looking Forward the Next Decade(s)

73 • P. Gaitanou, N. Tsoubrakakou
Web 2.0, Second Life and Museums: Visit or Access to Culture?

77 • V. Pothitou, A. S. Tsokanis
Digitization of the Athens University History Museum. The University Collection in the Digital Environment

81 • F. Saranti, M. Gazis, D. K. Tsolis
Travelling in Time: Virtual Tour to Monuments of Aitoloakarnania and Achaia

85 • K. Touloumis
Digital Heritage as a Dynamic Source in the School of Information and Knowledge: Teaching Scenarios and Applications Using Information and Communication Technologies (ICT)

Widening the Audience

90 • M. Ashley
Deep Thinking in Shallow Time: Sharing Humanity’s History in the Petabyte Age

95 • T. M. Brogan, Eleanor Huffman
Recent Efforts by the INSTAP Study Center for East Crete to Build New Paths for Public Access to Heritage Content

98 • B. Ducke
Time to Get it Right: Open Source Software in Archaeology

103 • A. G. Benvenuti
Open Access: An Approach

105 • C. Galanis
For a Thesaurus of the Greek Language

108 • M. Kouri
Audience Development for Museums: Capitalizing on New Technologies

112 • S. Koutsianou, D. Tsiafaki
«Shall we walk through the village?» Educational Multimedia Applications for the Museum’s Communication with its Visitors
116 • E. Bintsi, O. Rapti, F. Oikonomidou-Botsiou
   Enlarging the Audience of the Folklife and Ethnological Museum of Macedonia–Thrace: A project to Develop and Promote Traditional Culture

119 • P. Vosnidis

123 • L. D. Stefani
   The Contribution of New Technologies to the Interpretative and Communicative Dimensions of an Archaeological Exhibition: The Example of the Multimedia Application at the A.M.Th.‘S New Permanent Exhibition on Prehistoric Macedonia

127 • Y. Skopeteas
   The Digital Audiovisual Product of Cultural and Heritage Management and the Traditional Channels of Distribution

Shaping a Common Language
132 • N. Papadimitriou
   The Standardization of Cultural Documentation on National and International Level

137 • N. Poole
   Shaping a Common Language for Culture

141 • P. Constantopoulos
   Common Language and Interoperability: Creating a Cultural Information Space

143 • S. Kollias
   Achieving Semantic Interoperability in Europeana

146 • M. Doerr
   The CIDOC Conceptual Reference Model - A New Standard for Interoperability

150 • A. Karmacharya, C. Cruz, F. Boochs, F. Marzani
   Managing Knowledge for Spatial Data – A Case Study with Industrial Archaeological Findings

154 • G. Farmakis, K. Kassis, M. Glossioti, S. Liapis, E. Nikoloutsos

158 • V. Stournaras, A. Tranta
   Knowledge Organization Systems and Digital Curatorship: The Case of the Piraeus Bank Group Cultural Foundation
Theorizing Digital Heritage
162 • Z. Gkinni, A. Bounia, G. Pavlogeorgatos
The Contribution of Digitisation to the Preservation of Books and Archives: The Case of the General State Archives and the Public Libraries in Greece

166 • E. Kousoula
Inventory of the Archaeological Collection of the Rotunda-Activities and Concerns

168 • S. Mytilinaiou, I. Tallis
Contemporary Exhibition Design: Representation, Virtual and Narration

172 • J. Kourtzellis, E. Christodoulou, E. Sampanikou
Virtual Reconstructions of Archaeological Sites and Monuments. Reality or Realism?

176 • K. Arvanitis
Digital Heritage and the Infiltration of Everyday Life

179 • G. Paschalidis
Towards Cultural Hypermnesia. Cultural Memory in the Age of Digital Heritage

182 • A. Simandiraki
Blue Sky Digital Heritage: the Case of Greece

Posters
188 • S. Beckmann
Tracking Down the Road. From GPS to Archaeological Map for Less Than 500 Euros

189 • Directorate of the National Archive of Monuments, Hellenic Ministry of Culture
The Hellenic Listed Monuments Now On-Line!!

190 • Directorate of the National Archive of Monuments, Hellenic Ministry of Culture
Digitizing the National Collections of Movable Monuments

191 • D. Dimitriadis, A. Koumpis
Reconsidering the Residual Value and the Intellectual Capital Created by the Information and Communications Technologies Projects

192 • E. Georgiadou – Kountoura, A. Sakellariadi, T. Tsampouras
From ‘Collective Art’ to Collective Memory: the Methodological Predicament of Digitizing Traditional Culture

193 • T. Kalomirakis
Sinaitic Archive of Monuments

194 • E. Dalouka
Documentation of a Collection of Precious Books: Demands and Modeling

195 • I. Paliokas, B. Damianidou
Computer + Art = Love
196 • M. K. Saunders, S. Ovenden
Greetings from 59° North. Problems and Potential Solutions for Data Dissemination in Britain’s Most Northerly WHA

197 • E. Stamatopoulou, N. Papaspiroú
Contemporary Media Art Collections. Planning for a Strategy of Management, Documentation and Preservation for Video Art Collections

198 • Directorate of the National Archive of Monuments, Hellenic Ministry of Culture
The Historical Archive of the Hellenic Archaeological Service

199 • Abstracts in Greek

246 • Plates