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INTEGRATED INFORMATION

International Conference on Integrated Information

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EDITORS

Georgios A. Giannakopoulos
Technological Educational Institute of Athens, Greece

Damianos P. Sakas
University of Peloponnese, Greece

All papers have been peer-reviewed



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Editors

Georgios A. Giannakopoulos

Technological Educational Institute of Athens
Faculty of Management and Economics
Department of Library Science and Information Systems
Address: Aghiou Spyridonos Street, 12210, Egaleo
E-mail: gian@teiath.gr

Damianos P. Sakas

University of Peloponnese
Faculty of Science and Technology
Department of Computer Science and Technology
Address: End of Karaiskaki St., 22100, Tripolis, Greece
E-mail: D.Sakas@uop.gr

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CONTENTS

PREFACE: Proceedings of the International Conference on Integrated Information (IC-INFO 2011)	1
Georgios A. Giannakopoulos, Damianos P. Sakas	
Conference Details	3
Keynote Speaker	5
SYMPOSIUM ON INFORMATION AND KNOWLEDGE MANAGEMENT	6
Prof. Christos Skourlas	
Towards the Preservation and Availability of Historical Books and Manuscripts: A Case Study	8
Eleni Galiotou	
An Extensive Experimental Study on the Cluster-based Reference set Reduction for Speeding-up the k-nn Classifier	12
Stefanos Ougiaroglou, Georgios Evangelidis and Dimitris A. Dervos	
Exploiting the Search Culture Modulated by the Documentation Retrieval Applications	16
Nikitas N. Karanikolas and Christos Skourlas	
Information and Knowledge Organization: The Case of the TEI of Athens	22
Anastasios Tsolakidis, Manolis Chalaris and Ioannis Chalaris	
Providing Access to Students with Disabilities and Learning Difficulties in Higher Education through a Secure Wireless framework	26
Catherine Marinagi and Christos Skourlas	
Improving Query Efficiency in High Dimensional Point Indexes	30
Evangelos Outsios and Georgios Evangelidis	
Text Segmentation Using Named Entity Recognition and co-Reference Resolution in Greek Texts	34
Pavlina Fragkou	
KINISIS, a Graphical XQuery Language	42
Euclid Keramopoulos, Achilleas Pliakas, Konstantinos Tsekos and Ignatios Deligiannis	
Dimensionality Curse, Concentration Phenomenon and the KDB-tree	46
Nikolaos Kouiroukidis and Georgios Evangelidi	

Applying Balanced Scorecard Strategic Management in Higher Education	50
Manolis Chalaris, Anastasios Tsolakidis and Ioannis Chalaris	
A Web Portal Model for NGOs' Knowledge Management	54
Zuhal Tanrikulu	
The Digital Archives System and Application Optimized for the Tradition Knowledge Archives	58
Jeon Hong. Chan, In Deok. Hwang, Jae Hak. Park, Hyeok. Sim, U won. Gwon and Soon Cheol. Park	
A Semi-automatic Emerging Technology Trend Classifier Using SCOPUS and PATSTAT	62
Seonho Kim, Woondong Yeo, Byong-Youl Coh, Waqas Rasheed, Jaewoo Kang	
Presenting a Framework for Knowledge Management within a Web Enabled Living Lab	66
Lizette de Jager and Albertus AK Buitendag and Potjie (JS) van der Walt	
4TH SYMPOSIUM ON BUSINESS AND MANAGEMENT AND DYNAMIC SIMULATION MODELS SUPPORTING MANAGEMENT STRATEGIES	71
Dr. Damianos Sakas	
New Political Communication Practices: No Budget Events Management. The New Challenge	73
Evangelia N. Markaki, Damianios P. Sakas and Theodore Chadjipantelis	
Free Software – Open Source Software. A Powerful Tool for Developing Creativity in the Hands of the Student	78
Nasiopoulos K. Dimitrios, Damianos P. Sakas, Konstantinos Masselos	
Open Source Web Applications. How it Spread Through the Internet and their Contribution to Education.	82
Nasiopoulos K. Dimitrios, Damianos P. Sakas, Konstantinos Masselos	
Culture in Modern Times in the Frame of Luhmann's System Theory	85
Anastasia J. Chournazidis	
Managing Scientific Journals: A Cultural Viewpoint	87
Marina C. Terzi, Damianos P. Sakas, and Ioannis Seimenis	
A Conceptual Framework for Analyzing Knowledge-based Entrepreneurship	92
Nikos S. Kanellos	

SESSION ON INFORMATION HISTORY: PERSPECTIVES, METHODS AND CURRENT TOPICS	96
Prof. Laszlo Karvalics	
Emerging Research Fields in Information History	98
Laszlo Z. Karvalics	
Information Management through Elementary Data Clusters: New Observations on Pridianum-Type Roman Statistical Documents	102
Gergő Gellérfi	
Information and Secrecy on the Silk Road. Methods of Encryption of Legal Documents in Inner Asia (3th-4th century)	106
Szabolcs Felföldi	
The Role of Information and Disinformation in the Establishment of the Mongolian Empire: A Re-examination of the 13th century Mongolian History from the Viewpoint of Information History	110
Márton Gergő Vér	
Early Warning Systems and the Hospitallers in the Eastern Mediterranean	114
Zsolt Hunyadi	
Information Management as Establishment Dutch Navigational Knowledge on Japan, 1608-1641	118
Gabor Szommer	
Files Everywhere - Register and Training of Men for Military and Civil Purpose in Prussia in the early 18th century	123
Marton Holczer	
SYMPOSIUM ON INTEGRATED INFORMATION: THEORY, POLICIES, TOOLS	126
Prof. Georgios Giannakopoulos	
Approaching Information as an Integrated Field: Educating Information Professionals	128
Georgios Giannakopoulos, Daphne Kyriaki Manesi and Stryidon Zervos	
Special Libraries as Knowledge Management Centers	132
Eva Semertzaki	
Digital Libraries' Developers and their Suitability: A Case Study	136
Maria Monopoli	

A Preliminary Study for the Creation of a Greek Citation index in the Humanities and the Social Sciences (GCI – H&SS)	140
Daphne Kyriaki-Manessi and Evi Sachini	
Archiving as an Information Science. Evidence from a Survey Carried out on a Sample of Greek Students	144
Georgios Giannakopoulos and Ioannis Koumantakis	
Transition Process of E-records Management and Archiving System in Universities: Ankara University	147
S. Özlem Bayram and Fahrettin Ozdemirci	
Government Information: Access and Greece's Efforts for Access	150
Aikaterini Yiannoukakou	
School Archives and their Potentials in Teaching: Aspects of Greek Reality	156
Sonia Geladaki and Panagiota Papadimitriou	
Research on School Libraries in Greece and Suggestions on its Further Development	160
Georgios D. Bikos	
Building Digital Collections for Archeological Sites: Metadata Requirements and CIDOC CRM Extension	164
Georgios S. Gkrous and Mara Nikolaidou	
Museological Claims to Autonomous Knowledge: Rethinking the Conceptual Mode of Display and its Claims to Knowledge	169
Assimina Kaniari and Georgios Giannakopoulos	
Use of Library Loan Records for Book Recommendation	172
Keita Tsuji, Erika Kuroo, Sho Sato, Ui Ikeuchi, Atsushi Ikeuchi, Fuyuki Yoshikane and Hiroshi Itsumura	
Developing a National Database on Librarianship and Information Science. The Case of E-VIVA, the Hellenic Fulltext Database	176
Filippos Ch. Tsimpoglou, Vasiliki V. Koukounidou and Eleni K. Sakka	
Integrated Access to Cultural Heritage Information Pieces in Iran Astan-Quds Razavi's Organization of Libraries, Museums and Documents Center: A Theory of Unionization Disparate Information Assets over Imam Reza's Zarih	181
Ms. Mitra Zarei and Ms. Maliheh Farrokhnia	
Attitudes of University Librarians and Information Scientists towards the Draft Code of	185

Library Ethics to Present a Model for Final Library Ethical Codes	
Mahsoomeh Latifi, Fatemeh Zandian and Hasan Siamian	
SESSION ON OPEN ACCESS REPOSITORIES: SELF-ARCHIVING, METADATA, CONTENT POLICIES, USAGE	188
Dr. Alexandros Koulouris	
Geographical Collections in Greek Academic Libraries: Current Situation and Perspectives	189
Ifigenia Vardakosta and Sarantos Kapidakis	
Information Seeking Behavior: Factors that Affect the Behavior of Greek Astronomers	194
Hara Brindesi and Sarantos Kapidakis	
Aggregating Metadata for Europeana: The Greek Paradigm	198
Alexandros Koulouris, Vangelis Banos and Emmanouel Garoufallou	
Integrating a Repository with Research Output and Publications: The Case of the National Technical University of Athens	202
Dionysis Kokkinos	
Implementation of Workflows as Finite State Machines in a National Doctoral Dissertations Archive	205
Nikos Houssos, Dimitris Zavaliadis, Kostas Stamatis and Panagiotis Stathopoulos	
Practices of “Local” Repositories of Legally Protected Immovable Monuments. A Global Scheme for ‘Designation – Significance’ Information	209
Michail Agathos and Sarantos Kapidakis	
Integration of Metadata in BWMETA-2.0.0 Format	213
Katarzyna Zamlynska, Jakub Jurkiewicz and Lukasz Bolikowski	
SESSION ON EVIDENCE-BASED INFORMATION IN CLINICAL PRACTICE	216
Dr. Evangelia Lappa	
Applicability of Data Mining Algorithms on Clinical Datasets	218
Wilfred, Bonney	
Changing Roles of Health Librarians with Open Access Repositories	221
Christine Urquhar and Assimina Vlachaki	
From Medical Records to Health Knowledge Management Systems: The Coding to Health Sector	225
Evangelia C. Lappa and Georgios A. Giannakopoulos	

The Survey of Skill, Attitude and Use of Computer and Internet among Faculty Members	229
Hasan Siamian, Azita Bala Ghafari, Kobra Aligolbandi, Mohammad Vahedi and Gholam Ali Golafshani Jooybari	
Trends in Scholarly Communication among Biomedical Scientists in Greece	232
Assimina Vlachaki and Christine Urquhart	
SESSION ON ELECTRONIC PUBLISHING: A DEVELOPING LANDSCAPE	236
Dr. Dimitris Kouis	
E-Journal and Open Access Journal Publishing in the Humanities: Preliminary Results from a Survey among Byzantine Studies Scholars	238
Victoria Tsoukala and Evi Sachini	
Preliminary Results on a Printed VS Electronic Text Books Assessment Through Questionnaire	242
Dimitrios A. Kouis and Kanella Pouli	
An Interpretation of Aristotelian Logic According to George Boole	246
Markos N. Dendrinis	
SESSION ON INFORMATION CONTENT PRESERVATION AS OUTCOME OF CONSERVATION OF CULTURAL HERITAGE: ETHICS, METHODOLOGY AND TOOLS	251
Prof. George Panagiaris and Dr. Spiros Zervos	
Intrinsic Data Obfuscation as the Result of Book and Paper Conservation Interventions	254
Spiros Zervos, Alexandros Koulouris and Georgios Giannakopoulos	
Mass Deacidification: Preserving More than Written Information	258
Michael Ramin, Evelyn Eisenhauer and Markus Reist	
Information Literacy of Library Users: A Case Study of Mazandaran Public Library Users, Iran	260
Hussein Mahdizadeh and Hasan Siamian	
The Narratives of Paper in The Archives of the New Independent Greek State (Mid 19th c.)	264
Ourania Kanakari and Maria Giannikou	
From Macro to Micro and from Micro to Nano: The Evolution of the Information Content Preservation of Biological Wet Specimen Collections	268
Nikolaos Maniatis and Georgios Panagiaris	

Digital images: A valuable scholar's tool or misleading material?	272
Patricia Engel	
Attitudes of University Librarians and Information Scientists Towards the Draft Code of Library Ethics to Present a Model for Final Library Ethical Codes	277
Mahsoomeh Latifi, Fatemeh Zandianand and Hasan Siamian	
Investigation of the Degradation Mechanisms of Organic Materials: From Accelerated Ageing to Chemometric Studies	280
Ekaterini Malea, Effie Papageorgiou and Georgios Panagiaris	
SESSION ON DIVERGENCE AND CONVERGENCE: INFORMATION WORK IN DIGITAL CULTURAL MEMORY INSTITUTIONS	285
Dr. Susan Myburgh	
Extending Convergence and Divergence in Cultural Memory Institutions: The Old Slave Lodge in the New South Africa	287
Archie L Dick	
The Transfer of Knowledge from Large Organizations to Small: Experiences from a Research Project on Digitization in Wales	289
Clare Wood-Fisher, Richard Gough, Sarah Higgins, Menna Morgan, Amy Staniforth and Lucy Tedd	
The Usage of Reference Management Software (Rms) in an Academic Environment : A Survey at Tallinn University	293
Enrico Francese	
Varialog : How to Locate Words in a French Renaissance Virtual Library	297
Marie-Hélène Lay	
The Urge to Merge: A Theoretical Approach	301
Susan Myburgh	
SYMPOSIUM ON ADVANCES INFORMATION FOR STRATEGIC MANAGEMENT	304
Professor Nikolaos Konstantopoulos	
Empowerment in the Tax Office of Greece	306
Antonios E. Giokas and Nikolaos P. Antonakas	
Building Absorptive Capacity Through Internal Corporate Venturing	310
Ioannis M. Sotiriou and Alexandros I. Alexandrakis	

The Monitoring Information System (M.I.S.) - An information and Management System for Projects Co-financed Under the National Strategic Reference Framework (NSRF) and the Community support framework (CSF)	314
Catherina G. Siampou, Eleni G. Fassou and Athanassios P. Panagiotopoulos	
Corruption in Tax Administration: The Entrepreneurs View Point	318
Nikolaos P. Antonakas, Antonios E. Giokas and Nikolaos Konstantopoulos	
Conflicts between the IT Manager and the Software House after the Strategic Choice of Outsourcing of the Information Processes in Maritime Companies.	322
Anthi Z. Vaxevanou, Nikolaos Konstantopoulos, Damianos P. Sakas	
Contemporary Forms of Ordering Between the Supply Department and Ship Chandler Companies in the Shipping Industry	325
Anthi Z. Vaxevanou, Nikolaos Konstantopoulos, Damianos P. Sakas	
Strategies Implemented and Sources Used for the Acquisition of Information on Foreign Markets	329
Myropi Garri, Nikolaos Konstantopoulos and Michail G. Bekiaris	
The Effect of High Performance Working Systems on Informative Technology in Enterprises after Organisation Changes such as Mergers & Acquisitions	333
Nikolaos Konstantopoulos and Yiannis Triantafyllopoulos	
Personnel's Absorptive Capacity as a Guiding Concept for Effective Performance in Informative Technology	337
Nikolaos Konstantopoulos and Yiannis Triantafyllopoulos	
SESSION ON CONTEMPORARY ISSUES IN MANAGEMENT: ORGANISATIONAL BEHAVIOUR, INFORMATION TECHNOLOG, EDUCATION & HOSPITAL LEADERSHIP	341
Dr. Panagiotis Trivellas	
Investigating the Importance of Sustainable Development for Hotel SMES	343
Panagiotis Reklitis and Anestis Fotiadis	
Strategic Alignment of ERP, CRM and E-business: A Value Creation	347
Catherine C. Marinagi and Christos K. Akrivos	
The Impact of Occupational Stress on Performance in Health Care	351
Panagiotis Trivellas Panagiotis Reklitis and Charalambos Platis	

The Impact of Emotional Intelligence on Job Outcomes and Turnover Intention in Health Care	356
Panagiotis Trivellas Vassilis Gerogiannis and Sofia Svarna	
SYMPOSIUM ON BUSINESS MANAGEMENT AND COMMUNICATION STRATEGIES SUPPORTING DECISION MAKING PROCESS IN TOURISM SECTOR	360
Dr. Panagiota Dionysopoulou	
The Human Factor as a Mediator to the Total Quality in the Tourism Companies. The impact of Employees' Motivation to Quality Improvements	362
Christos K. Akrivos and Panagiotis Reklitis	
Tourist Destination Marketing and Management Using Advanced ICTS Technologies	365
Anastasia Argyropoulou, Panagiota Dionyssopoulou, Georgios Miaoulis	
G.N.T.O. (Greek National Tourism Organization) Communication Strategy in Advertising Campaigns 1991-2006	370
George Stafylakis and Panagiota Dionyssopoulou	
GENERAL PAPERS	375
The role of Environmental Education within the Framework of the Environmental Policy of a Regional Municipality	376
Vassiliki Delitheou and Dimitra Thanasia	
Issues of Social Cohesion: A case study from the Greek Urban Scenery	380
Evgenia Tousi	
Merging Activity and Employee Performance: The Greek Banking System	384
Panagiotis Liargovas and Spyridon Repousis	
Sustainable Development and Corporate Social Responsibility in Higher Education: Some Evidence from Greece	387
Anastasios Sepetis and Fotios Rizos	
Exploring the Effects of Organizational Culture on Collaborative vs. Competitive Knowledge Sharing Behaviors	395
Hanan Abdulla Mohammed Al Mehairi and Norhayati Zakaria	

Preface: Proceedings of the International Conference on Integrated Information (IC-ININFO 2011)

GEORGIOS A. GIANNAKOPOULOS

Department of Library Science and Information Systems, Technological Educational Institute of Athens, Aghiou Spyridonos, Egaleo, 12210, Greece

DAMIANOS P. SAKAS

Department of Computer and Technology Science, University of Peloponnese, Praxitelous 89-91, Piraeus, 18532, Greece

Aims and Scope of the Conference

The International Conference on Integrated Information 2011 took place in Kos Island, Greece, between September, 29 and October, 3, 2011. IC-ININFO is an international interdisciplinary conference covering research and development in the field of information management and integration.

The conference aims at creating a forum for further discussion for an Integrated Information Field incorporating a series of issues and/or related organizations that manage information in their everyday operations. Therefore, the call for papers is addressed to scholars and/ or professionals of the fields of Library and Archives Science (including digital libraries and electronic archives), Museum and Gallery Studies, Information Science, Documentation, Information Management, Records Management, Knowledge Management, Data management and Copyright experts the latter with an emphasis on Electronic Publications. Furthermore, papers focusing on issues of Cultural Heritage Management and Conservation Management are also be welcomed along with papers regarding the Management of Nonprofit Organizations such as libraries, archives and museums.

One of the primary objectives of the IC-ININFO will be the investigation of information-based managerial change in organizations. Driven by the fast-paced advances in the Information field, this change is characterized in terms of its impact on organizations that manage information in their everyday operations.

Grouping emerging technologies in the Information field together in a close examination of practices, problems and trends, IC-ININFO and its emphases on integration and management will present the state of the art in the field. Addressed jointly to the academic and practitioner, it will provide a forum for a number of perspectives based on either theoretical analyses or empirical case studies that will foster dialogue and exchange of ideas.

Topics of general Interest

Library Science, Archives Science, Museum and Gallery Studies, Information Science, Documentation, Digital Libraries, Electronic Archives, Information Management, Records / Document Management, Knowledge Management, Data Management, Copyright, Electronic Publications, Cultural Heritage Management, Conservation Management, Management of Nonprofit Organizations, History of Information, History of Collections, Health Information

Symposia

The Conference offered a number of sessions under its patronage, providing a concise overview of the most current issues and hands-on experience in information-related fields.

- Symposium on Integrated information: Theory, Policies, Tools
- 4th Symposium on Business and Management and Dynamic Simulation Models supporting management strategies

- Session on Open Access Repositories: Self-archiving, Metadata, Content policies, Usage
- Session on Evidence-Based Information in Clinical Practice
- Session on Business Management and Communication Strategies supporting Decision Making Process in Tourism Sector
- Session on Electronic Publishing: A Developing Landscape
- Session on Information and Knowledge Management
- Session on Information Content Preservation as Outcome of Conservation of Cultural Heritage: Ethics, Methodology and Tools
- Session on Advances Information for Strategic Management
- Session on Information History: Perspectives, Methods and Current Topics
- Session on Divergence and Convergence: Information Work in Digital Cultural Memory Institutions
- Session on Contemporary issues in Management: Organisational Behaviour, Information Technology, Education & Hospital leadership.

The wide range of aspects that the sessions covered, highlighted future trends in the Information Science.

Paper Peer Review

More than 300 papers had been submitted for consideration in IC-ININFO 2011. From them, 91 were selected for presentation, after peer review in a double blind review process. The accepted papers were presented at IC-ININFO 2011.

Thanks

We would like to thank all members that participated in any way in the IC-ININFO 2011 Conference and especially:

- The famous publishing house Emerald for its communication sponsorship.
- The co-organizing Universities and Institutes for their support and development of a high-quality Conference scientific level and profile.
- The members of the Scientific Committee that honored the Conference with their presence and provided a significant contribution to the review of papers as well as for their indications for the improvement of the Conference.
- All members of the Organizing Committee for their help, support and spirit participation before, during and after the Conference.
- The Session Organizers for their willing to organize sessions of high importance and for their editorial work, contributing in the development of valued services to the Conference.
- PhDC Marina Terzi for her excellent editorial work, contributing in the production of the Conference proceedings.

CONFERENCE DETAILS

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KEYNOTE SPEAKER



Professor Amanda Spink

Professor Amanda Spink has published over 340 scholarly journal articles, refereed conference papers and book chapters, and 6 books. Many of her journal articles are published in the *Journal of the American Society for Information Science and Technology*, *Information Processing and Management*, and the *Journal of Documentation*. She is Editor of the Emerald journal *Aslib Proceedings*. Amanda's research has been published at many conferences including ASIST, IEEE ITCC, CAIS, Internet Computing, ACM SIGIR, and ISIC Conferences. Her recent books include *Information Behavior: An Evolutionary Instinct* and *Web Search: Multidisciplinary Perspectives*, both published by Springer. Amanda's research focuses on theoretical and empirical studies of information behavior, including the evolutionary and developmental foundations. The National Science Foundation, the American Library Association, Andrew R. Mellon Foundation, Amazon.com, Vivisimo. Com, Infospace.com, NEC, IBM, Excite.com, AlltheWeb.com, AltaVista.com, FAST, and Lockheed Martin have sponsored her research. In 2008 Professor Spink had the second highest H-index citation score in her field from 1998 to 2008 [Norris, M. (2008)]. Ranking Fellow Scholars and their H-Index: Preliminary Survey Results. Loughborough University, Dept of Information Science Report].

Archiving as an Information Science. Evidence from a Survey Carried out on a Sample of Greek Students

Georgios Giannakopoulos[†] and Ioannis Koumantakis[‡]

[†]*Technological Educational Institute of Athens, Department of Library Science and Information Systems, 122.10, Egaleo Athens, Greece.*

gian(at)teiath.gr

[‡]*Library of Arsakeion School, 145.69, Ekali, Athens, Greece.*

johnkoumantakis(at)gmail.com

Abstract: *New technology has always been and certainly is today a key factor in the evolution of information. The emergence of archival science as an autonomous discipline and its integration into the wider field of information science is in many ways a result of recent technological developments. In this paper we present in summary a part of a survey carried out on a sample of Greek students (including students of library and archival science) that aimed to map and clarify perceptions of the archive among the students as well as their understanding on the nature of archival science.*

Keywords: *Archives, Records, Archival science, Information science.*

I. INTRODUCTION

Archival science has relatively recently evolved into an autonomous academic field utilizing new technology and as part of the broader discipline of information science (Couture, 1996; Giannakopoulos, 2008). The most significant problems it is expected to solve is the rapidly increasing mass of evidence produced by the administration authorities and the growing demand for free access of the public to archival information. Technological developments have offered not only new tools for managing records, but also new means of producing them. The fact that a large amount of archival material is currently being produced in electronic form demonstrates that the transition from hard copies to more fragile electronic substrata has already been achieved. The management (and especially the preservation) of electronic archives constitutes an object of study, research and discussion worldwide (Heldstrom, 1993; Moore, 2008).

Nevertheless, the most important change directly linked to information management concerns the broadening of archival science towards the direction of records management. The archivist is now directly associated with management, as he/she monitors the course of records from their creation to their safe keeping in perpetuity. This development is not solely associated with the equation between today's records and tomorrow's historical archives, but chiefly with the fact that their rational management is related, to an astonishing degree, to the orderly administration of an organization. The "global approach to archival science", i.e. the acknowledgement of the archivists' leading role in the management of both (active) records and

(historical) archives (Atherton, 1985), reinforces the informative character of archival science and creates a broader scientific and professional field (Ketelar, 2000).

II. EVIDENCE FROM A SURVEY

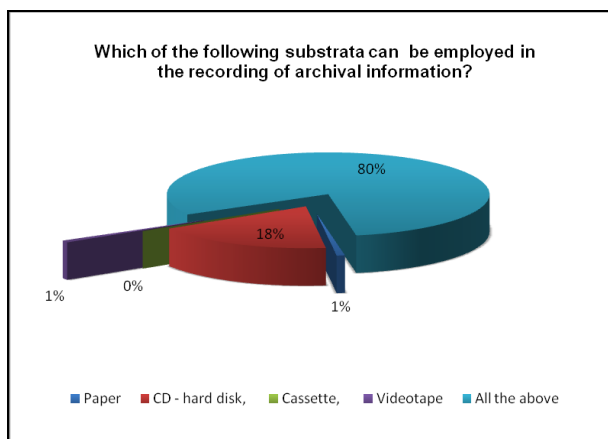
The research lasted five months. The first questionnaires were distributed in early March, whereas the whole procedure had been completed by the end of July 2008. In fact, there were two separate groups that took part in this research. The first group (A) included 244 individuals, all of them Higher Educational Institutions (universities and TEI) students from almost all academic fields, i.e. technological, financial, scientific, social and humanitarian. The second group (B) contained 130 students from the three information schools of Greece (departments of Librarianship and Information Systems of the Technological Educational Institutions of Athens and Salonica and the department of Archival and Library Sciences of the Ionian University). What follows presents in comparison data from both surveys.

1. The first question was meant to investigate the respondents' level of familiarity with the meanings of the term "archive" (total amount of a legal or physical entity's evidence, archival service, building accommodating an archival service).

The choices contained no wrong answer, while only one of them was totally correct (all the above). The latter was chosen by an impressive percentage of 53% of the respondents in group A. The information schools students' point of view proved narrower, as only 37% picked the totally correct answer. Their majority (61%) chose the "easiest" answer: "an archive is the total amount of a legal or physical entity's documents".

2. The question was analogous to the first one (no wrong answer) and was associated with the substrata employed in the recording of archival information.

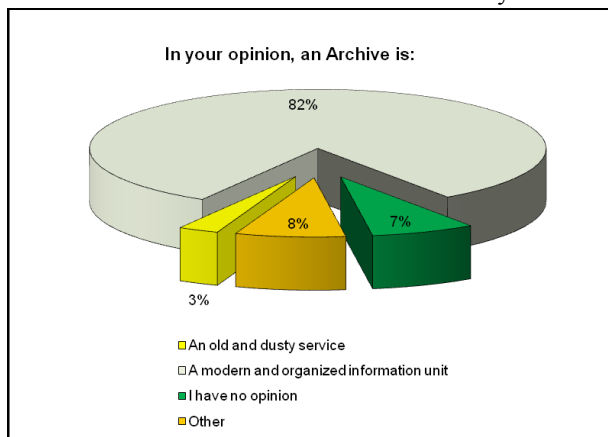
About 80% of the respondents replied that all suggested substrata can be used for storing archival information, thus appearing to comprehend that an archive is defined by its content, rather than its form. Of great interest is the fact that 18% of the respondents answered that archival information may be stored in CDs and hard discs; this, however, appears quite normal, as young people today are highly familiar with contemporary information storage substrata.



3. The third question aimed at finding out whether the theoretical knowledge in regards to the archive's definition that the students appear to have, may have a practical application. Therefore, we provided the respondents with five groups of material and asked them to choose which two could belong to an archive.

32% chose the "newspaper collection", thus making an expected mistake by expressing a rather common belief. The choice of the material group entitled "academic conferences' proceedings", which was made by 27% of the respondents, was also mistaken and suggests that the distinction between published (secondary) and archival material is a difficult one. The same mistakes, although by lower percentages (18% and 20% respectively), were also made by the information schools' students.

The correct choice of the material group entitled "historical documents associated with the 1821 Revolt" was made by 31% and 40% of the respondents in group A and B respectively. This should be probably attributed to the widely-established (although mistaken) belief that an archive is about old documents or evidence associated with significant historical events. It is the very same belief that led most of the respondents to erroneously rule out the material group entitled "your grandfather's correspondence". Although this material is fully consistent with the archive's definition, only 3% of the respondents (similar percentage in both groups) ended up choosing it; obviously, even the students in the relevant academic field were not "attracted" by it.



4. The question aimed at the investigation of whether an archive is known as a service (information unit) for the citizens' accommodation.

82% thought that an archive constitutes a "modern and organized information unit", whereas 5% replied that an archive is indeed an information unit, although not necessarily a modern and organised one. The answers of group B provided a quite analogous percentage (81% and 3%), which shows that the vast majority of students effectively comprehends the nature of the archival services' aim.

5. The question showed that the most widely-known archival service is the General State Archives.

23% of the respondents, who claimed to know an archival service (18 individuals in total), mentioned that this service was the General State Archives. The National Intelligence Service came second (15 individuals). This is a fully rational answer that shows that students believe that an archival service manages information. It should be noted, however, that the National Intelligence Service constitutes a producer of archival material, rather than an archival service. Possibly, this very same logic led a small number of students to include the National Statistical Service, the Register Office and the Town Planning Office. "The newspapers" and "the libraries" were mentioned by 13 and 8 students respectively. Lastly, 4 respondents mentioned the Hellenic Literary and Historical Archive. One would indeed expect a higher position for this institution, which is widely-known in academic circles and boasts a dynamic promotion policy.

6. The question demonstrated the great significance that the national archival service is thought to possess.

96% of the respondents described the role of the General State Archives as "very important" or "important", regardless of their level of awareness regarding this role's essential meaning.

7. The question complemented the previous one and demonstrated that the vast majority of the respondents (91%) believed that the General State Archives address any member of the general public in need of archival information.

The corresponding percentage in group B was 87%. It is noteworthy that 6% gave the obviously mistaken answer, i.e. that the national archival service addresses... "students of specialized schools".

8. 48% of the students believe that an archivists has more chances to find a job at the General State Archives; by adding 19% and 27% of the respondents who chose "the government" and "a library" (in this case the percentages of group A and B were similar) respectively, one is led to the conclusion that 94% of the respondents think that archivists' professional future lies in the public sector. Thus, only 2% believe that private businesses could hire an archivist.

Information schools' students provided analogous answers. 53% of them consider the General State Archives as the most possible employer. Nevertheless, 11% think that private enterprises may employ an

archivist. This demonstrates that students are well-aware of the employment opportunities that they will hopefully be offered in the field of records management. 9. 52% of the students replied correctly that Librarianship and Archival Studies share some common elements (however, the following question indicated that 33% of them could not specify those elements properly). The answers establish the common informative basis shared by these disciplines, as well as their differences. 28% of the respondents claim that Librarianship and Archival Studies “coincide to a degree of 50%”; this answer may be viewed as analogous to the previous one, thus raising the percentage of students correctly accepting the common informative basis of both sectors to 80%. 18% maintained that they coincide as academic fields and 2% replied that they are totally unrelated.

III. CONCLUSIONS

The conclusions validate Greek society’s view of archives. Most of the answers entail the notion of accumulated (even irregularly in many cases) information or merely evidence. Two more parameters should be taken into consideration here: the connection with historical persons and events. Apparently, archives are viewed as temples of knowledge and information, inaccessible (and therefore important) to the average citizen.

Only few of the respondent (just 32%) know the General State Archives, while even fewer appear to be familiar with other archival services of particular interest is the fact that, according to this research, these archival services are less known than the National Intelligence Service, the National Statistical Service, the Register Office, the Town Planning Office, the “newspapers” and the “libraries”. We believe that these answers, by all means disappointing at first glance, are noteworthy, as they associate the meaning of archives with that of “intensive information repositories”.

Some of the answers regarding the electronic substrata and the information storage media seem to point towards this direction as well. Apparently, a large section of the respondents are familiar with the term “archive” may be also translated as “computer file”, through its various applications in computer science. Under this light, the term “archive” appears as an intricate sum of information (not exclusively of documents any more).

Even though no consistent definition of the archive seems to be in place among the sample of students on which this survey drew, there is a clear understanding of the archive as a source of information emerging from the questionnaires as a shared undisputed fact.

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