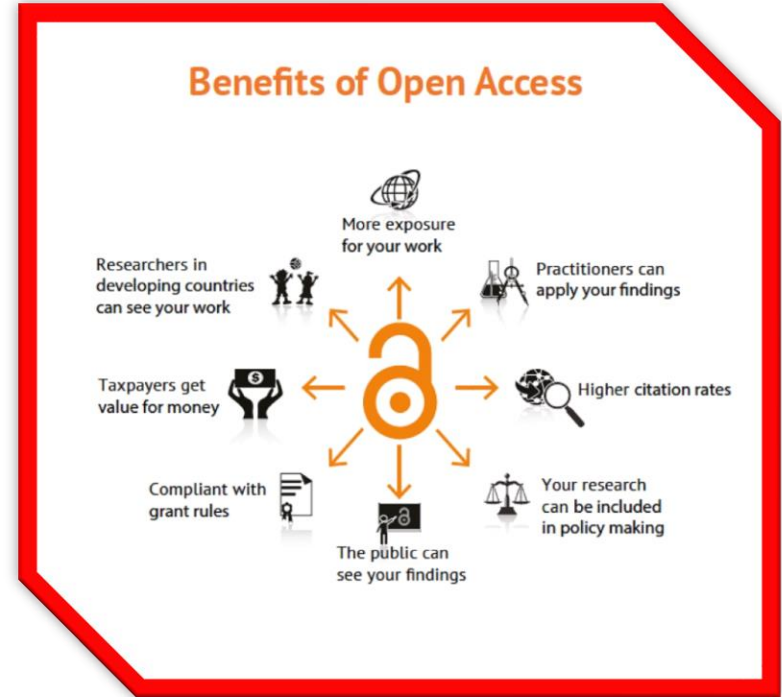


Archeologia e Calcolatori: un esempio virtuoso di Diamond OA nella politica editoriale dell'Istituto di Scienze del Patrimonio Culturale del CNR

Gruppo di ricerca ISPC *Open Data, Open Knowledge, Open Science*
23 ottobre 2013

Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities

The Internet has fundamentally changed the practical and economic realities of distributing scientific knowledge and cultural heritage. For the first time ever, the Internet now offers the chance to constitute a global and interactive representation of human knowledge, including cultural heritage and the guarantee of worldwide access.



OPEN DATA, OPEN KNOWLEDGE, OPEN SCIENCE

Gruppo Open Data

Il gruppo di lavoro interdisciplinare, costituito da archeologi, filologi, matematici e informatici, ha l'obiettivo di applicare tecnologie di gestione ed elaborazione delle informazioni per favorire la fruizione di collezioni di dati in ambiente digitale e in modalità open access. L'attività di ricerca si orienta verso la costituzione e l'analisi di risorse elettroniche per l'archeologia e per le scienze dell'antichità, distribuite in rete mediante standard di formato e protocolli di comunicazione e archiviate in repository open access, che ne facilitino lo studio attraverso strumenti di Data Analysis e la pubblicazione come Linked Open Data.

Il background di riferimento è costituito dall'esperienza pionieristica della rivista *Archeologia e Calcolatori*, che dal 2005 ha aderito all'Open Archives Initiative, affiancando al suo ruolo di osservatorio internazionale degli sviluppi dell'informatica archeologica un diretto impegno sperimentale per la diffusione di contenuti scientifici in rete.



ISPC - CNR

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Il repository della rivista, conforme al protocollo OA4-PMH, contiene più di 1000 risorse digitali, per un totale di oltre 15.000 pagine. Oltre all'archiviazione presso repository istituzionali (ad es. la banca dati SOLAR del CNR), la rivista contribuisce oggi a infrastrutture di aggregazione di contenuti digitali come CulturalItalia ed Europeana.

Tra le prospettive di ricerca si segnala l'archiviazione, tramite opportune operazioni di mappatura dei metadati, delle risorse di *Archeologia e Calcolatori* e di altre collezioni di dati digitali all'interno di Zenodo, il data repository multidisciplinare europeo frutto della collaborazione tra il CERN e il progetto OpenAIRE, quale prototipo per la realizzazione di una più ampia research community ISPC che partecipi in modo dinamico e competitivo all'infrastruttura di ricerca paneuropea E-RHS.

News



28 Settembre 2020

Online il catalogo dei servizi offerti da IPERION HS



9 Settembre 2020

Ricerca internazionale ISPC per favorire l'innovazione nel campo Heritage Science



11 Agosto 2020

Alta formazione CNR: al via il bando di selezione del Dottorato di ricerca UniBA, POLIBA e CNR

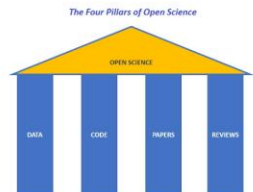


8 Luglio 2020

La rivista "Archeologia e Calcolatori" su Europeana

Staff Open Data

Alessandra Caravale, Paola Moscati, Alessandra Piergrassi, Irene Rossi, Salvatore Fionno, Nicolo Paraciani, Sergio Camiz (Sapienza Università di Roma, associato).



<https://www.ispc.cnr.it/>

Open Data Group

CONSIGLIO NAZIONALE DELLE RICERCHE
ISTITUTO PER L'ARCHEOLOGIA ETRUSCO-ITALICA



III CONVEGNO INTERNAZIONALE DI
ARCHEOLOGIA E INFORMATICA

III INTERNATIONAL SYMPOSIUM ON
COMPUTING AND ARCHAEOLOGY

ROMA 22-25 NOVEMBRE 1995



Poster of the III International Symposium on Computing and Archaeology (Roma 1995)

Main collaborations

Besides the institutions represented by the international Scientific Committee of "Archeologia e Calcolatori", the main collaborations of the group are:

- Accademia Nazionale dei Lincei
- CNR-Ufficio ICT
- CNRS-UMR 8167 Orient et Méditerranée
- CNRS-UMR 7041 Archéologie et Sciences de l'Antiquité
- Istituto Centrale per il Catalogo Unico (ICCU)
- Maison des Sciences de l'Homme Mondes, Paris-Nanterre
- Ministero dei Beni e delle Attività Culturali e del Turismo (MIC)
- Ministero dell'Università e della Ricerca (MUR)
- Pelagios Network
- Union International des Sciences Préhistoriques et Protohistoriques (UISPP)



Francesca
Buscemi



Alessandra
Caravale



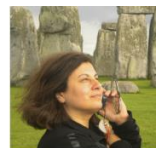
Salvatore
Fiorino



Paola Moscati



Nicolò
Paraciani



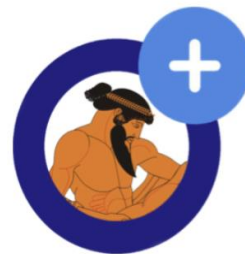
Alessandra
Piergrosso



Irene Rossi



Vera Isabell
Schwarz-Ricci





Archeologia e Calcolatori

CNR - DIPARTIMENTO SCIENZE UMANE E SOCIALI, PATRIMONIO CULTURALE
ISTITUTO DI SCIENZE DEL PATRIMONIO CULTURALE
JOURNAL ESTABLISHED BY: Mauro Cristofani and Riccardo Francovich - EDITOR: Paola Moscati

Menu

[Home Page](#)

[About the Journal](#)

[Editorial Staff](#)

[Policy and Guidelines](#)

[Index by Year](#)

[Supplements](#)

[Special Issues](#)

[Search](#)

[Image Gallery](#)

[OAI sistema](#)

[Credits and Contacts](#)

[20th Anniversary](#)

[30th Anniversary](#)

[Cookie policy](#)

Supplements



Home Page

Archeologia e Calcolatori is a peer reviewed open access journal

Since 1990 Archeologia e Calcolatori (ISSN 1120-6861, e-ISSN 2385-1953) has been an international observatory of theoretical and methodological aspects of computing and information technology applied to archaeology.

Some specific aspects characterise the journal in the international panorama: the multilingualism, the dialectical relationship between theory and experimentation, the continuous bibliographical updating, and the evaluation of techniques and methods through tangible archaeological results. Periodical publication of special thematic issues and conference proceedings allows readers to appreciate the ongoing evolution of the archaeologist's approach to generate and spread digital information as applied when reconstructing the past. Since 2007 a new series of Supplements to the Journal (ISSN 2385-202X, e-ISSN 2385-2038) has also been published.

Since 2005 Archeologia e Calcolatori has joined the Open Archives Initiative, adopting the OAI-PMH protocol. It is registered in the list of **OAI Data Providers** and **OAIster contributors** and in the Directory of Open Access Journals (**DOAJ**). Archeologia e Calcolatori is indexed in **Scopus** as well as in the Clarivate Analytics' **Emerging Sources** **Index** and is included in **ERIH PLUS**. Articles are also stored in the CNR **SOLAR** (Scientific Open-access Literature Archive and Repository) database of scientific publications.

Archeologia e Calcolatori is data provider of the Open Access Infrastructure for Research in Europe: the **OpenAIRE** portal indexes all the journal's articles harvested from the OAI repository and with links to the full-texts. Moreover, **CulturaItalia** and **Europeana** expose over 900 resources from the journal's archive.

Archeologia e Calcolatori is an ANVUR (Italian National Agency for the Evaluation of the Universities and Research Institutes) **A-rated Journal** in the



Bibliografia di informatica
archeologica

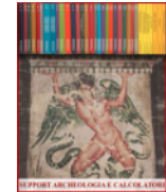


30th Anniversary



20th Anniversary

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Last Issue



Contenuti ad accesso aperto a partire dal numero 7 del 1996

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Archeologia e Calcolatori

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Menu

[Home Page](#)[About the Journal](#)[Editorial Staff](#)[Policy and Guidelines](#)[Index by Year](#)[Supplements](#)[Special Issues](#)[Search](#)[Image Gallery](#)[OAIsistema](#)[Credits and Contacts](#)[20th Anniversary](#)[30th Anniversary](#)[Cookie policy](#)

Supplements

Authors	Moscati, P. -
Title	<i>Informatica archeologica e archeologia digitale. Le risposte dalla rete</i>
Volume	Archeologia e Calcolatori XXX - 2019
In	ISBN: > 978-88-7814-92
In	Moscati P. (ed.), 30 anni di Archeologia e Calcolatori. Tra memoria e progettualità
Pages	21-38
DOI	https://doi.org/10.19282/ac.30.2019.03
URL	http://www.archcalc.cnr.it/indice/PDF30/03_Moscati.pdf
Publisher	Edizioni All'Insegna del Giglio
Subject	History of applications and research projects
Subject	Theoretical and methodological problems
Abstract	The article illustrates the most recent achievements of archaeological computing, through a systematic survey that starts with the very name of the discipline, as used at national and international levels. The aim is to examine if the distinction made between 'archaeological computing' and 'digital archaeology' can really be helpful in framing the discipline in its theoretical and methodological evolution. From the synthesis made, the dominance of technological aspects on the theoretical and methodological approach clearly emerges. For some time now, technology has governed the three main areas of archaeological practice: field work, laboratory analysis and cultural heritage management and promotion. Two other important aspects are today rapidly gaining ground: 'Communicating archaeological research' and 'European digital infrastructures for archaeology'. Finally, particularly significant is the sector of Digital Heritage or Heritage Science, which today seems to be the focus of all digital archaeology involvements.
Language	IT
Format	pdf
Type	text

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POSTS

2ND NOVEMBER 2020

New contents available via Europeana: the international journal “Archeologia e Calcolatori”

The international open access scholarly journal “Archeologia e Calcolatori”, edited by the [Istituto di Scienze del Patrimonio Culturale \(CNR\)](#) and now in its thirtieth year of publication, is focused on the theoretical and methodological aspects of archaeological computing.

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New contents available via Europeana: the international journal “Archeologia e Calcolatori”

Europeana Archaeology

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Journal Archeologia e Calcolatori (Journal of Archaeological Computing)

Archeologia e Calcolatori

Web page: <http://www.archcalc.cnr.it/>

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[Informatica archeologica e archeologia digitale. Le risposte dalla rete](#)

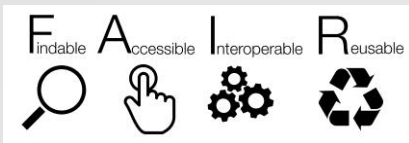
OPEN ACCESS ITALIAN

Authors: Moscati, Paola;

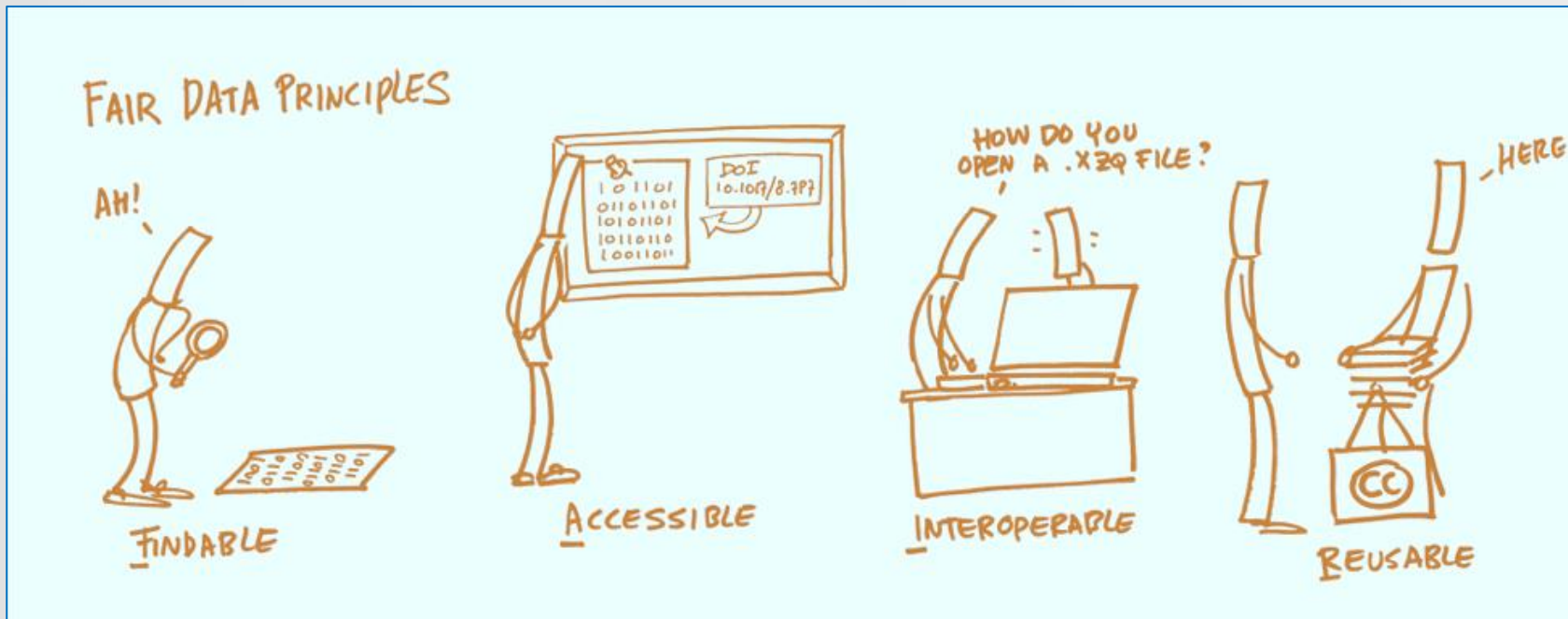
Publisher: CNR - Istituto di Scienze del Patrimonio Culturale

The article illustrates the most recent achievements of archaeological computing, through a systematic survey that starts with the very name of the discipline, as used at national and international levels. The aim is to examine if the distinction made between 'archaeolo...

The FAIR PRINCIPLES



1. Persistent storage for data
2. Rights and permissions to use the data
3. Data understandable
4. Data should permit interoperability



Linked Data annotation without the pointy brackets

Crea mappe dal testo. Annota immagini. Connetti la tua ricerca ai dati che sono disponibili in rete, per renderla più visibile e disponibile per riuso. Senza dover diventare un esperto di Semantic Web.

Più informazioni

MODALITÀ ANNOTAZIONE: NORMALE VELOCE RELATIONS COLORI: PER TIPO DI ENTITÀ PER STATO DI VERIFICA

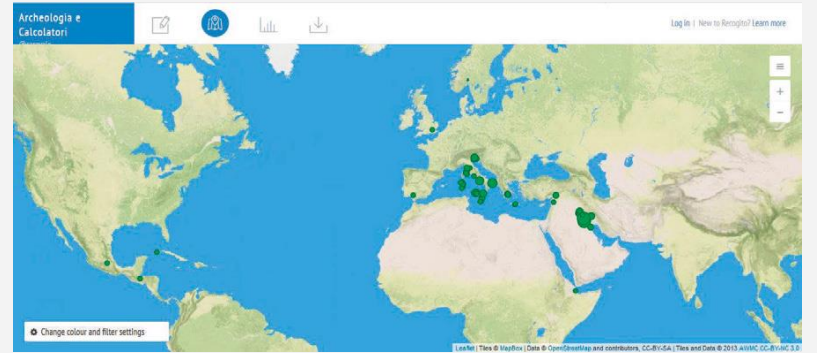
Archeologia e Calcolatori, 25, 2014, 175-188

3D MODELLING IN THE AGORA OF SEGESTA: TECHNIQUES AND DATA INTERPRETATION

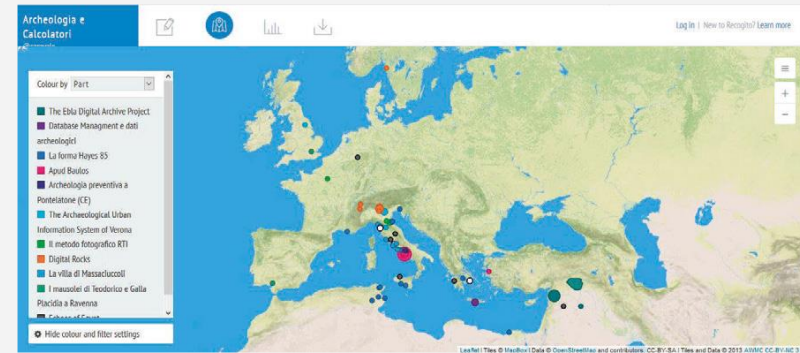
1. Introduction

In 2001 the Laboratorio di Scienze dell'Antichità (LSA) of the Scuola Normale Superiore, in collaboration with the Dipartimento di Civiltà e Forme del Sapere of Pisa University, restarted the archaeological investigations in the agora of Segesta (TP) (Figs. 1-2). During the very last years, the research in the Segestan public square could take advantage of the scientific and technical support of the Laboratorio di Disegno e Restauro, at the Dipartimento di Civiltà e Forme del Sapere (LADIRE), and of the DreamsLab, at the Scuola Normale Superiore.

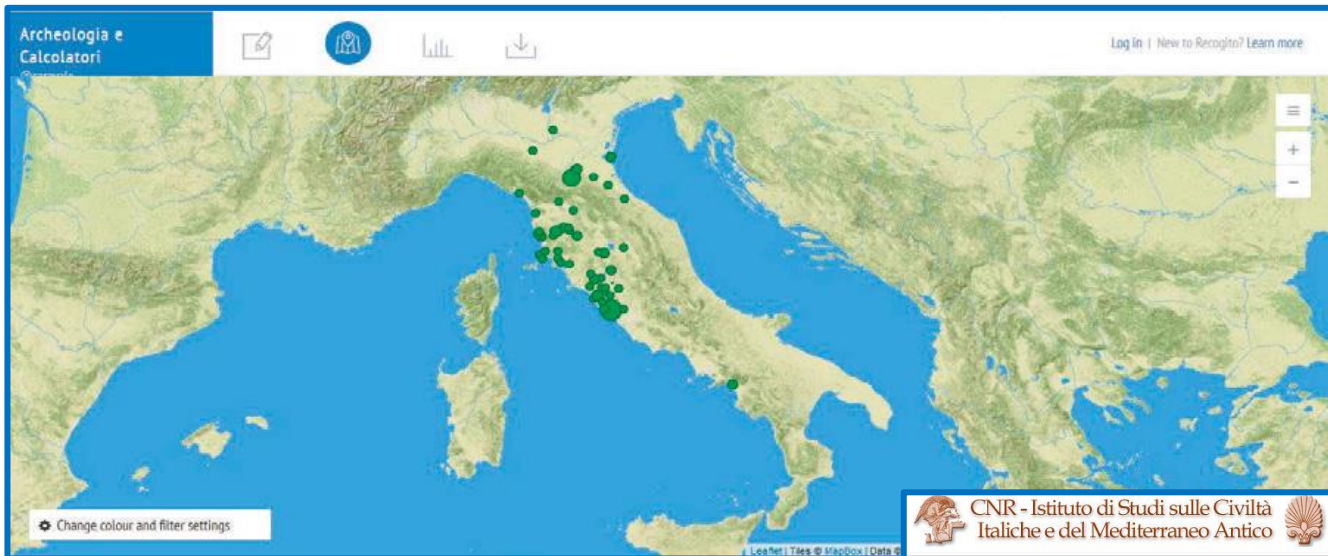
<https://recogito.pelagios.org/>



Spatial representation of the toponyms mentioned in A&C's 2014-2018 issues



Spatial representation of the toponyms mentioned in A&C's 2018 issue, colour-coded by article



CNR - Istituto di Studi sulle Civiltà
Italiche e del Mediterraneo Antico

Introduzione ◀

Scopi e Metodi ◀

Diari di Scavo ◀

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Unità di Ricerca ◀

Contatti ◀

English version

Il Progetto Caere



KNOWLEDGE, ANALYSIS
AND INNOVATIVE METHODS
FOR THE STUDY AND THE DISSEMINATION
OF ANCIENT URBAN AREAS






Proceedings of the KAINUA 2017
International Conference in Honour
of Professor Giuseppe Sassatelli's 70th Birthday
(Bologna, 18-21 April 2017)

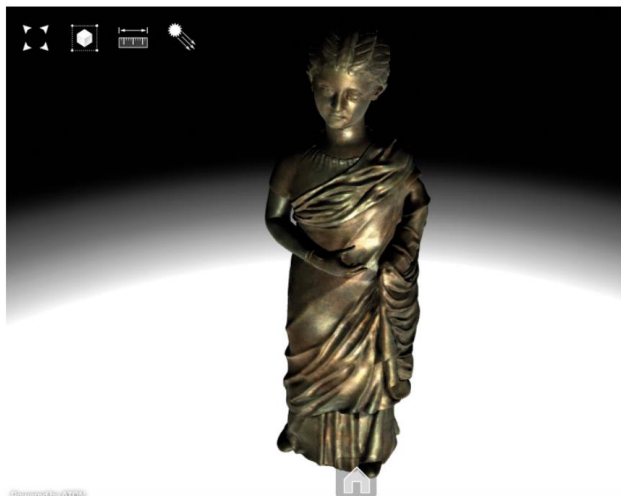
edited by:
Simone Garagnani, Andrea Gualci

ARCHEOLOGIA E CALCOLATORI
28,2
2017

All'Insegna del Gallo

Title	3D reconstructive model of the bronze statue of the little girl, from Punta del Serrone (Brindisi, Italy); 2nd c AD		
Creators	Toriello M., Bandiera A., Malinconico F., Mannino K.		
Related article	De Felice G., Mannino K. 2022, <i>I bronzi di Punta del Serrone (BR): dalla ricerca archeologica alla comunicazione</i> «Archeologia e Calcolatori», 33.2, 279-298. https://doi.org/10.19282/ac.33.2.2022.15		
Description	3D reconstructive model of the bronze statue of the little girl, from Punta del Serrone (Brindisi, Italy); 2nd c AD Brindisi, Archaeological Museum "F. Ribezzo". Credits: graphic rendering: Fabiola Malinconico, Cultural Heritage Salento; 3D Laser Scans: Adriana Bandiera, SIBA- University of Salento; creative modeling: Matteo Toriello, 3D rendering: Giuliano De Felice, Università di Bari; scientific research and design: Katia Mannino, Cultural Heritage Salento.		
Related images			
	De Felice, Mannino 2022, fig. 1	De Felice, Mannino 2022, fig. 5	De Felice,

Interactive preview

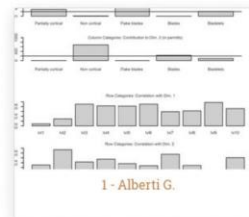


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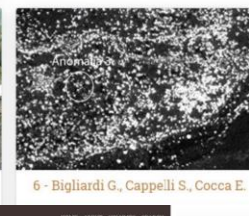
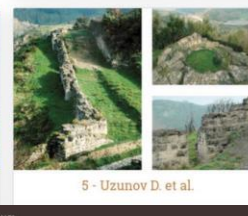
Volumes / Journal / 24 - 2013

Articles

Dalla cartografia archeologica digitale al restauro virtuale: recenti casi di studio a Hierapolis di Frigia



Site	Topology	Appl. tools of mesh a compare
Mica (privata (i.e. accessible))	Mesa a compare	Yes
San	Generata dal sistema	No
La Originale	Campo Libre	No
La Contemporanea	Campo Libre	No
Stagla Originale	Mesa a compare	Si
Stagla Contemporanea	Mesa a compare	Si
Indagine	Campo profusione	No
Stagla di Applicazione	Mesa a compare	Si
Stagla	Campo Libre	No
Stagla di Lascio	Campo Libre	No
Stagla di Lascio (Public / Private)	Mesa a compare	No
Stagla di Lascio	Mesa a compare	No
Indagine della Zona	Campo Libre	No
Indagine Bibliografica	Campo profusione	No
Indagine	Campo Libre	Si
Indagine di Collegate	Mesa a compare	Si
Indagine di Collegate	Mesa a compare	Si



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 Journal 1 - 10

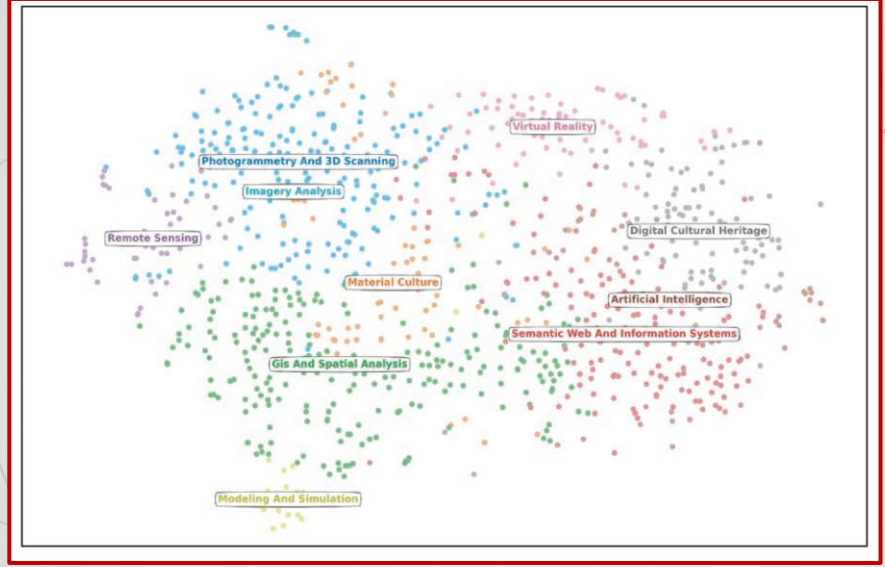
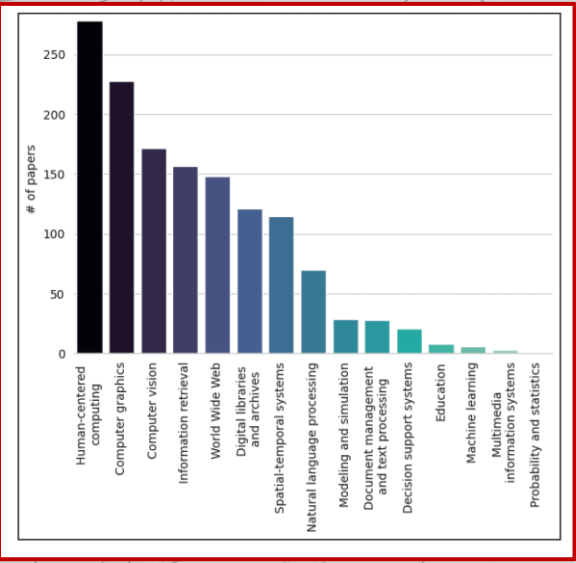
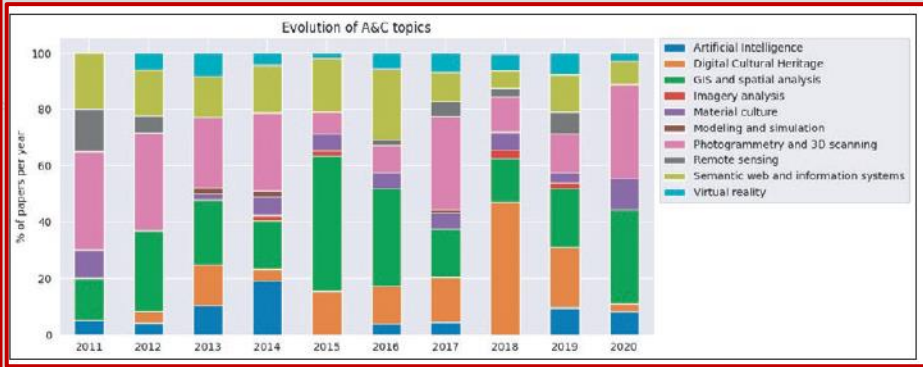


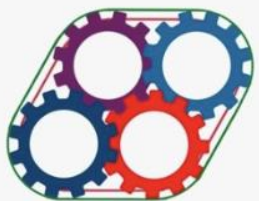
Geophysical methodologies compared to the late antique villa of Aiano-Torraccia di Chiusi (Siena): some note on efficacy and limits

During the years 2006-2007, three teams of scientists (archaeologists with geophysicists) detected the archaeological surface of the Late Antique villa at Aiano-Torraccia di Chiusi (Siena, Tuscany) using GPR (Ground Penetrating Radar), Resistivity and Magnetometry. Their aim was to identify archaeological remains and consequently spend less time and money on digging. At the conclusion of the fieldwork and data treatment, they used a CAD program to overlap geophysical and archaeological layers and check geophysical results on archaeological remains. Despite surveys in many other archaeological sites, they obtained few results: surveys located anomalies in less than 1/4 of the archaeological remains excavated in 2008 and 2009. In this paper the authors attempt to analyze (and try to find better solutions for the future) errors in the geophysical surveys caused by incorrect calibration of the database, low accuracy of grid intersections and excessively long grid lines, in relationship to site conditions and the kinds of archaeological remains. These technical problems in fact certainly create a less than optimal operational synergy between archaeologists and geologists during the post-processing of the data: an analysis of these problems may help to improve future projects of this type.

NER-time period Geotagging Technologies
Topic: Remote sensing

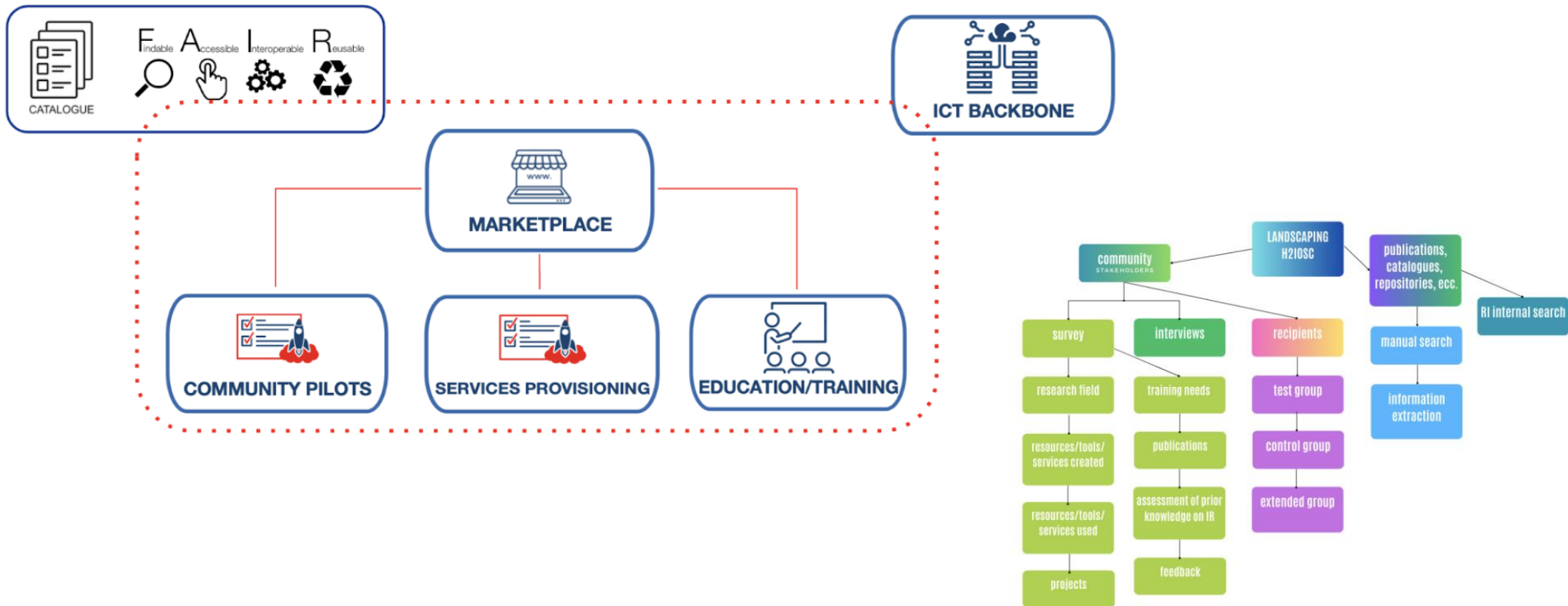
ACM classes: Computer graphics, Modeling and simulation, Spatial-temporal systems





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Virtual Museum of Archaeological Computing



Virtual Museum of Archaeological Computing

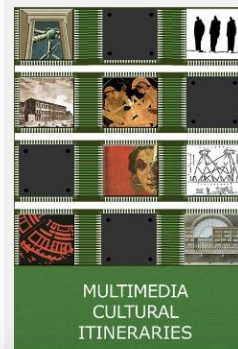
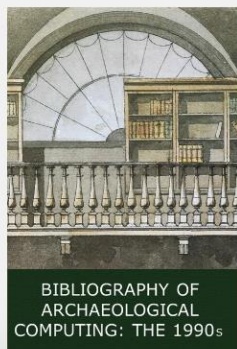
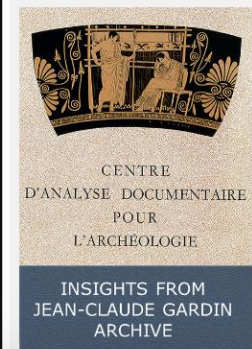
The Virtual Museum of Archaeological Computing aims at retracing the development of a boundary discipline, which set its roots in the 1950s. Narration starts with the first two decades of applications, between 1950 and 1970. In this period, the foundations of this discipline were laid and a lively debate arose about the theoretical and methodological implications related to the introduction of computers into the world of archaeology.

A virtual tour, guided by specialists, will offer a survey on the history of applications and technological devices, within the framework of the main archaeological sectors involved in the process of data digitisation. Both the general public and specialised scholars will be allowed to approach the most fascinating expectations in this field, aimed at establishing a dialogue between past and future, in which the present is rendered through a digital format.

The female figure of Penelope oversees and accompanies visitors along the Museum. Such a choice is not accidental, but it refers to the first years of experimentation on automatic documentation of archaeological artefacts. In the brochure of the "Centre d'analyse documentaire pour l'archéologie", dating back to the end of the 1950s, Jean-Claude Gardin selected Penelope as witness of his thoughts.

He wrote, at that time: "Les éléments d'information passent par un cycle sans fin d'analyses et de synthèses, chaque auteur décomposant les données assemblées dans les ouvrages de ses prédécesseurs, pour les 'relier' à son tour dans ses propres publications, qui, elles-mêmes, seront disséquées, et ainsi de suite. La démarche proposée consiste au contraire à conserver les données sous forme analytique, et à les mettre sous cette forme à la disposition des érudits".

The main navigation system, based on a chronological order, provides access to the website allowing users to move further into its content. Along with this more traditional navigation method into the subject matter, some cultural itineraries have been planned, where scholars are invited to share stories, reconstruct the establishment of institutions or laboratories dedicated to archaeological computing and propose innovative research routes.



30 anni di informatica archeologica – 1

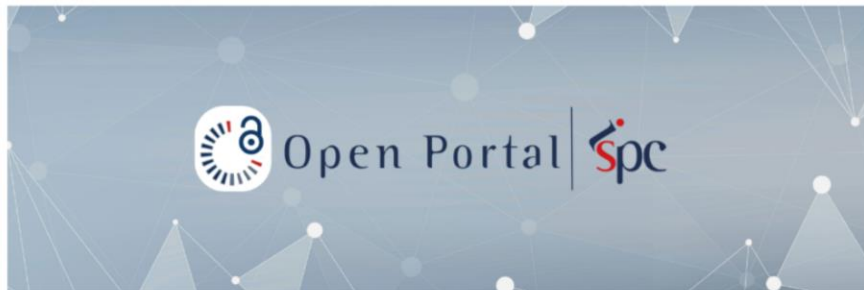
LA BIBLIOGRAFIA DI INFORMATICA ARCHEOLOGICA NELLA CULTURA DIGITALE DEGLI ANNI NOVANTA

Alessandra Caravale Paola Moscati



Il CNR ISPC lancia il suo Open Portal

L'ISPC inaugura il proprio **Open Portal** per raccogliere, esporre e valorizzare la produzione scientifica dell'Istituto.



A gateway to the scientific production of the Institute of Heritage Science (ISPC), an institute of the Italian National Research Council (CNR) (more in **About**)

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MAR
2022



ARCHEOLOGIA E OPEN SCIENCE METODI E STRUMENTI PER LA DIFFUSIONE DEI RISULTATI DELLA RICERCA SCIENTIFICA

Ciclo di seminari: "Patrimonio culturale, remote sensing, informatica, diagnostica e archaeometria"
(a cura di Giuseppe Scardozzi)

PAOLA MOSCATI
CNR-ISPC, Roma

ALESSANDRA PIERGROSSI
CNR-ISPC, Roma

ALESSANDRA CARVALE
CNR-ISPC, Roma

IRENE ROSSI
CNR-ISPC, Milano

Introduce
Giuseppe Scardozzi, CNR-ISPC, Lecce

Lunedì 28 marzo, ore 15:00

Su piattaforma Microsoft Teams <http://bitly.ws/pcfG> [codice 38qan02]

Electronic Publishing and Open Science in Archaeology #6

ddomizia started this conversation in Panel proposals

ddomizia on Mar 31, 2022 | Maintain

Panel proposal

Electronic Publishing and Open Science in Archaeology.



Proponents:

- Alessandra Carvale
 - ISPC, CNR
 - alessandra.caravale@cnr.it
- Alessandra Piergrossi
 - ISPC, CNR
 - alessandra.piergrossi@cnr.it



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