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Section: Notes

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A Bibliography on the Application of GIS in Archaeology and Cultural Heritage

Introduction

Geographical Information Systems (GIS) applications to archaeological projects of different scales, chronological contexts and cultural *milieux* has accrued by now a long history and bibliography. Hopefully the phases of experimentation and almost blind testing are over, even if GIS applications are still sometimes being labeled as “new technologies”. This does not mean that scientific research is on a blind alley and nothing new is to be expected from GIS applications to archaeology. It means only that at present some strong, reliable and indisputable basis exist and are available to build new research on. Just as archaeological stratigraphy, GIS and spatial information technology is now a widespread and steady technique handled everyday by hundreds of archaeologists that use these tools to manage, visualize, query and model datasets that are growing everyday more diversified and richer. It is thus important to keep an eye open on current research in order to promptly identify innovative best practices or approaches that can greatly help in interpreting our data.

Recently, with the exponential growing of our datasets due to a more careful documentation of archaeological remains—enormously helped by technologically advanced tools and laboratory analysis—new concepts borrowed by information technology applied to social sciences are being introduced in archaeology and more broadly in humanities. Concepts like “big data” or “social network analysis” are not so bashfully expanding the field of traditional spatial analysis. This particular aspect, I believe, needs further theoretical consideration and hopefully the scientific community will sooner or later decide to face it beyond the current fashion. The amount of data that a research project actually deals with or is able to produce does not compare with the underlying meaning of “big data”, despite our already mentioned growing capabilities of extracting information from archaeological remains. Furthermore, the fragmentary and randomness nature of the data archaeology works with should strongly prevent to rely too much on statistical approaches like social networks analysis, that require a capillary information about the object of analysis. These approaches can be used—at best—to confirm hypothesis or thesis formulated by traditional means, strongly relying on the interpretative competences of the scholar or team of scholars. After all archaeology is still and righteously considered to be a social—or soft—science even when it makes heavy use of techniques, methodologies or tool belonging to other fields.

Principal aim of the following pages is to provide a base bibliography on the application of the Geographical Information Systems to Archaeology, History and in a broader context to the Cultural Heritage. It is not meant to be a complete and ultimate collection of everything that has been published on this topic up to present, but a catalogue of useful information to better comprehend the relationship between a specific branch of Information Technology, GIS, and the Cultural Heritage.

The core of this work is the fruit of a practical exercise conducted by Eugenio De Mitri in the context

of the laboratory class of GIS in Archaeology held at Bologna University in 2016. Till then the bibliography has been enriched by new contributions of other colleagues and scholars.

Some spatial and temporal limits were necessary and inevitable to be set before the work was started. Only contributes written in Italian and English, published in the last 10 years, ie. from 2005 to present have been considered. As a consequence a number of older but still fundamental works has been kept out, for example the volume about “Interpreting Space: GIS and Archaeology” edited by Allen, Green e Zubrow or “Spatial Technology and Archaeology: a Guide to the Archaeological Applications of GIS”, written by Wheatley and Gillings, both published by Taylor & Francis respectively in 1990 and 2002; the same is true for “A Place in History: a Guide to Using GIS in Historical Research”, by Ian Gregory published in 20013 by Oxbow and “Sistemi Informativi e Reti Geografiche in Archeologia: GIS-Internet. VII Ciclo di Lezioni sulla Ricerca Applicata in Archeologia, Certosa di Pontignano (Siena), 11-17 Dicembre 1995”, edited by Antonio Gottarelli and published by Edizioni All’Insegna del Giglio in 1997 and finally “I Sistemi Informativi Geografici in Archeologia”, by Maurizio Forte published in 2002 by Mondo GIS.

The catalogue, sorted by year of publication, is preceded by an alphabetically ordered list of the main journals used to produce the catalog and other bibliographical tools useful for a more detailed analysis of GIS applied to Archaeology and Cultural Heritage.

[J.B.]

Active journals that commonly publish contributes about GIS and Archaeology

- *Archeologia e Calcolatori* (since 1990) – published by Edizioni all’Insegna del Giglio, Italy.
- *Internet Archaeology* (since 1996) –digital journal published by the Council for British Archaeology, U.K.
- *International Journal of Humanities and Arts Computing* from (1989) –previously History and Computing, published by the Edinburgh University Press, U.K.
- *Journal of Archaeological Science* (since 1974) – published by Elsevier, U.K.
- *Journal of the Association for History and Computing* (since 1996) – published by the American Association for History and Computing, U.S.A.
- *Oxford Journal of Archaeology* (1982–oggi) – published by John Wiley & Sons, U.K.

Of great interest are the proceedings of the following conferences organized by international organizations:

- *CIPA - Heritage Documentation (Comité International de la Photogrammétrie Architecturale)*, since 1968.
- *CAA (Computer Applications and Quantitive Methods in Archaeology)*, since 1975.
- *VAST (Virtual Reality, Archaeology and Intelligent Cultural Heritage)*, since 2000.
- *3D-Arch*, since 2005.
- *ArcheoVirtual*, since 2006.
- *ArcheoFOSS*, since 2006

For works published before 2005 there are some formidable bibliographical tools, as:

- *GIS in Archaeology: An Annotated Bibliography* – last updated in 1995, edited by Cullen B., Johnson I., Kvamme K. and Petrie L. Sydney University Archaeological Methods Series 1. A digital versione o the full text is freely available at: http://heuristscholar.org/APPLICATIONS/understanding_mapinfo/suams/suams1/index.html.
- *Archaeology and GIS - Bibliography* – last updated in 2009, compiled by the Department of Archaeology and Ancient History of the University of Leicester, U.K. Freely available at: <http://www.le.ac.uk/ar/arcgis/Downloads/Bibliography.pdf>.

- Camin, Lorenza, and Antonella Negri. 2005. "Il GIS Del Sito Romano Di Podere Cosciano: Un Esempio Di Gestione Integrata Dei Dati Di Scavo." *Archeologia E Calcolatori* 16. Firenze: Edizioni all'Insegna del Giglio: 153–66.
- Citter, Carlo. 2005. "L'applicazione Della Tecnologia GIS Nella Gestione Dei Contesti Urbani. Le Piattaforme GIS Dei Contesti Urbani Prodotte Nell'ambito Del Progetto. Grosseto." In *Archeologia Dei Paesaggi Medievali. Relazione Progetto (2000-2004)*, edited by Marco Valenti and Riccardo Francovich, 384–85. Firenze: Edizioni All'Insegna del Giglio. <https://usiena-air.unisi.it/handle/11365/35051?mode=full.7#.WNKd6hIrLGI>.
- Gabucci, Ada. 2005. *Informatica Applicata all'Archeologia*. Roma: Carocci.
- Jessop, M. 2005. "The Application of a Geographical Information System to the Creation of a Cultural Heritage Digital Resource." *Literary and Linguistic Computing* 20 (1). Oxford University Press: 71–90. doi:10.1093/lc/fqh044.
- Vanhaute, Eric. 2005. "The Belgium Historical GIS." *Historical Geography* 33: 140–43. <https://ejournals.unm.edu/index.php/historicalgeography/article/view/2935/2414>.
- Benedetti, Roberto, Giuseppe Espa, Salvatore Espa, Anna De Meo, and Ugo Ricci. 2006. "GIS Based Models and Estimation Methods for the Probability of Archaeological Site Location." *Journal of Cultural Heritage* 7 (3): 147–55.
- Campana, Stefano, and Riccardo Francovich, eds. 2006. *Laser Scanner E GPS: Paesaggi Archeologici E Tecnologie Digitali, Atti Del I Workshop, Grosseto, 4 Marzo, 2005*. Firenze: Edizioni all'Insegna del Giglio.
- Chapman, Henry. 2006. *Landscape Archaeology and GIS*. Stroud: Tempus.
- Conolly, James, and Mark W Lake. 2006. *Geographical Information Systems in Archaeology*. Cambridge: Cambridge University Press.
- D'Andrea, Andrea. 2006. *Documentazione Archeologica, Standard E Trattamento Informatico*. Vol. 2. Budapest: Archaeolingua. http://docenti2.unior.it/doc%7B_%7Ddb/doc%7B_%7Dobj%7B_%7D18122%7B_%7D25-03-2011%7B_%7D4d8c69c14d60e.pdf.
- Ethnikē Chartothēkē (Greece). 2006. *E-Perimetron*. [Hellenic National Centre for Maps and Cartographic Heritage].
- Fyfe, Ralph. 2006. "GIS and the Application of a Model of Pollen Deposition and Dispersal: A New Approach to Testing Landscape Hypotheses Using the POLLANDCAL Models." *Journal of Archaeological Science* 33 (4): 483–93.
- Goossens, Rudi, Jean Bourgeois, Alain De Wulf, Wouter Gheyle, and Tom Willems. 2006. "Satellite Imagery and Archaeology: The Example of CORONA in the Altai Mountains." *Journal of Archaeological Science* 33 (6): 745–55.
- Haselberger, Lothar, and Jon Humphrey, eds. 2006. *Imaging Ancient Rome. Documentation-Visualization-Imagination, Proceedings of the Third Williams Symposium on Classical Architecture, Rome, May, 2004*. Portsmouth: Journal of Roman Archaeology.
- Long, Deborah, and Sandra J Winterbottom. 2006. "From Abstract Digital Models to Rich Virtual Environments: Landscape Contexts in Kilmartin Glen, Scotland." *Journal of Archaeological Science* 33 (10): 1356–67.
- Mehrer, Mark W, and Konnie Wescott, eds. 2006. *GIS and Archaeological Site Location Modelling*. Boca Raton: Taylor & Francis. <http://public.ebib.com/choice/publicfullrecord.aspx?p=181618>.
- Monti, Alberto. 2006. "Che Cos'è Un GIS Archeologico? Riflessioni a Margine Di Alcune Esperienze Sul Campo." *Storicamente* 2 (32). Bologna: BraDypUS.
- Monti, Alberto. 2006. "Il GIS Dei Castelli dell'Emilia-Romagna: Dalla Georeferenziazione Dei Dati Alla Comprensione Dello Spazio Degli Uomini." In *Castelli Medievali E Neomedievali in Emilia-Romagna: Atti Della Giornata Di Studio, Bologna, 17 Marzo 2005*, edited by Antonella Campanini and Maria G Muzzarelli, 35–40. Bologna: CLUEB.

- Ogburn, Dennis E. 2006. "Assessing the Level of Visibility of Cultural Objects in Past Landscapes." *Journal of Archaeological Science* 33 (3): 405–13.
- Okabe, A., ed. 2006. *GIS-Based Studies in the Humanities and Social Sciences*. Boca Raton, FL: CRC/Taylor & Francis.
- Alivernini, Stefano, Maria A Brovelli, and Diego Magni. 2007. "Utilizzo Di Tecnologie OpenSource E FreeSoftware per L'implementazione Di Web GIS per La Consultazione Di Cati Archeologici: Il Caso Della Spina Verde Di Como." In *Open Source, Free Software E Open Format Nei Processi Di Ricerca Archeologici: Atti Del I Workshop (Grosseto, 8 Maggio 2006)*, edited by Roberto Bagnara and Giancarlo Macchi Janica, 103–21. Firenze: Centro Editoriale Toscano.
- Barton, Michael, Alessandro Bezzi, Luca Bezzi, Denis Francisci, Rupert Gietl, and Markus Neteler. 2007. "GRASS: Un Potente GIS per Archeologi." In *Open Source, Free Software E Open Format Nei Processi Di Ricerca Archeologici: Atti Del I Workshop (Grosseto, 8 Maggio 2006)*, edited by Roberto Bagnara and Giancarlo Macchi Janica, 95–103. Firenze: Centro Editoriale Toscano.
- Bird, Catherine, Tom Minichillo, and Curtis W Marean. 2007. "Edge Damage Distribution at the AssemblageLevel on Middle Stone Age Lithics: An Image-Based GIS Approach." *Journal of Archaeological Science* 34 (5): 771–80.
- Clark, Jeffrey T, and Emily M Hagemester, eds. 2007. *Digital Discovery. Exploring New Frontiers in Human Heritage. CAA 2006. Computer Applications and Quantitative Methods in Archaeology. Proceedings of the 34th Conference, Fargo, United States, April 2006*. Budapest: Archaeolingua.
- Coralini, Antonella., and Daniela Scagliarini Corlàita, eds. 2007. *Ut Natura Ars: Virtual Reality E Archeologia. Atti Della Giornata Di Studi, Bologna, 22 Aprile 2002*. Imola: University Press Bologna.
- Laet, Veronique De, Etienne Paulissen, and Marc Waelkens. 2007. "Methods for the Extraction of Archaeological Features from Very High-Resolution Ikonos-2 Remote Sensing Imagery, Hisar (Southwest Turkey)." *Journal of Archaeological Science* 34 (5): 830–41. http://www.academia.edu/18185924/Methods%257B_%257Dfor%257B_%257Dthe%257B_%257Dextraction%257B_%257Dof%257B_%257Darchaeological%257B_%257Dfeatures%257B_%257Dfrom%257B_%257Dvery%257B_%257Dhigh-resolution%257B_%257DIkonos-2%257B_%257Dremote%257B_%257Dsensin.
- Ell, Paul S, and Ian N Gregory. 2007. *Historical GIS: Technologies, Methodologies and Scholarship*. Cambridge: Cambridge University Press.
- Evans, Adrian A, Yvonne B Wolframm, Randolph E Donahue, and William A Lovis. 2007. "A Pilot Study of 'Black Chert' Sourcing and Implications of Assessing Hunter-Gather Mobility Strategies in Northern England." *Journal of Archaeological Science* 34 (12): 2161–69.
- Figueiredo, Alexandra, and Velho Gonçalo Leite, eds. 2007. *The World Is in Your Eyes. CAA 2005. Computer Applications and Quantitative Methods in Archaeology. Proceedings of the 33rd Conference, Tomar, March 2005*. Tomar: CAAPortugal. http://www.academia.edu/4079974/Computer%7B_%7DApplications%7B_%7Din%7B_%7DArchaeology%7B_%7D-%7B_%7DIndice%7B_%7Dda%7B_%7Ddedicao%7B_%7Ddo%7B_%7Dlivro.
- Giardino, Liliana. 2007. *L'urbanistica Di Mesagne in Età Messapica E Romana: Archivi E GIS per Una Ricostruzione Della Storia Della Città E Del Suo Territorio*. Lecce: Edizioni del Grifo.
- Gregory, Ian N, and Richard G Healey. 2007. "Historical GIS: Structuring, Mmapping and Analysing Geographies of the Past." *Progress in Human Geography* 31 (5): 638–53. <http://phg.sagepub.com/cgi/content/abstract/31/5/638>.
- Howey, Meghan C L. 2007. "Using Multi-Criteria Cost Surface Analysis to Explore Past Regional Landscapes: A Case Study of Ritual Activity and Social Interaction in Michigan, AD 1200-1600." *Journal of Archaeological Science* 34 (11): 1830–46.
- Jessop, M. 2007. "The Inhibition of Geographical Information in Digital Humanities Scholarship." *Literary and Linguistic Computing* 23 (1). Oxford University Press: 39–50. doi:10.1093/lc/fqm041.

- Jones, Emily. 2007. "Subsistence Change, Landscape Use and Changing Site Elevation at the Pleistocene-Holocene Transition in the Dordogne of Southwestern France." *Journal of Archaeological Science* 34 (3).
- Monti, Alberto. 2007. "Analisi GIS Applicate Ai Territori Storici: Riflessioni E Spunti a Margine." In *Una Terra Di Confine. Storia E Archeologia Di Galliera Nel Medioevo*, edited by Paola Galetti, 139–62. Bologna: CLUEB.
- Rowlands, Aled, and Apostolos Sarris. 2007. "Detection of Exposed and Subsurface Archaeological Remains Using Multi-Sensor Remote Sensing." *Journal of Archaeological Science* 34 (5): 795–803.
- The code4lib Journal*. 2007. Code4Lib Journal.
- Allison, Penelope M. 2008. "Measuring Women's Influence on Roman Military Life: Using GIS on Published Excavation Reports from the German Frontier." *Internet Archaeology* 24 (24). http://intarch.ac.uk/journal/issue24/allison%7B_%7Dindex.html.
- Cogle, Lisa. 2008. "Dress and Social Identities: The Role of GIS in Mapping Social Structure in the Central Italian Iron Age Cemetery of Osteria dell'Osa." *Internet Archaeology* 24 (1).
- Felice, Giuliano De, Maria G Sibilano, and Giuliano Volpe. 2008. "Ripensare La Documentazione Archeologica: Nuovi Percorsi per La Ricerca E La Comunicazione." *Archeologia E Calcolatori* 19. Firenze: Edizioni All'Insegna del Giglio: 271–91.
- Felice, Giuliano De, Maria G Sibilano, and Giuliano Volpe, eds. 2008. *L'informatica E Il Metodo Della Stratigrafia: Atti Del Workshop, Foggia, 6-7 Giugno 2008*. Bari: EdiPuglia.
- Dramis, Francesco. 2008. *Analisi Geoambientale, Cartografia Geomorfologica E Tecniche GIS per La Gestione Del Territorio*. Torino: Geda.
- Eitel, Bernhard, Diamantis Panagiotopoulos, and Christoph Siart. 2008. "Investigation of Past Archaeological Landscapes Using Remote Sensing and GIS: A Multi-Method Case Study from Mount Ida, Crete." *Journal of Archaeological Science* 35 (11): 2918–25.
- Finke, Peter A, Erwin Meylemans, and Johan Van de Wauw. 2008. "Mapping the Possible Occurrence of Archaeological Sites by Bayesian Inference." *Journal of Archaeological Science* 35 (10): 2786–96. <http://www.sciencedirect.com/science/article/pii/S0305440308001106>.
- Fletcher, Richard. 2008. "Some Spatial Analyses of Chalcolithic Settlement in Southern Israel." *Journal of Archaeological Science* 35 (7): 2048–58.
- Garrison, Thomas G, Stephen D Houston, Charles Golden, Takeshi Inomata, Zachary Nelson, and Jessica Munson. 2008. "Evaluating the Use of IKONOS Satellite Imagery in Lowland Maya Settlement Archaeology." *Journal of Archaeological Science* 35 (10): 2770–77.
- Graci, Giancarlo, Paolo Pileri, and Marco Sedazzari. 2008. *GIS E Ambiente. Guida All'uso Di ArcGIS per L'analisi Del Territorio E La Valutazione Ambientale*. Palermo: Flaccovio.
- Herzog, Irmela, Karsten Lambers, and Axel Posluschny, eds. 2008. *Layers of Perception: Proceedings of the 35th International Conference on Computer Applications and Quantitative Methods in Archaeology (CAA), Berlin, Germany, April 2-6, 2007*. Vol. 10. Bonn: Habelt. <http://archiv.ub.uni-heidelberg.de/propylaeumdok/portal/caa2007/>.
- Katsianis, Markos, Kostas Kotsakis, Alexandra Kousoulakou, and Spyros Tsipidis. 2008. "A 3D Digital Workflow for Archaeological Intra-Site Research Using GIS." *Journal of Archaeological Science* 35 (3): 655–67.
- Knowles, Anne K. 2008. *Placing History: How Maps, Spatial Data and GIS Are Changing Historical Scholarship*. Redlands: ESRI. http://books.google.com/books?hl=en%7B%7Dlr=%7B%7Dd=VN1v7rzhsQEC%7B%7Ddoi=fnd%7B%7Dpg=PP1%7B%7Ddq=Placing+history+:%7B%7Ddots=jv1JcPABqI%7B%7Dsig=So4vfS2K%7B_%7Ds5UDmwJrwtdOHZGCew.
- Morgan, Christopher. 2008. "Reconstructing Prehistoric Hunter E Gatherer Foraging Radii: A Case Study from California's Southern Sierra Nevada." *Journal of Archaeological Science* 35 (2).

- Parker, R.N., and E.K. Asencio. 2008. *GIS and Spatial Analysis for the Social Sciences: Coding, Mapping and Modeling*. New York: Routledge.
- Pedrosa, Gilberto, José Borbinha, João Luzio, Hugo Manguinha, and Bruno Martins. 2008. "DIGMAP: A Digital Library Reusing Metadata of Old Maps and Enriching It with Geographic Information." In *Research and Advanced Technology for Digital Libraries: 12th European Conference, ECDL 2008, Aarhus, Denmark, September 14-19, 2008: Proceedings*, edited by Birte Christensen-Dalsgaard, Donatella Castelli, Jurik Bolette Ammitzbøll, and Joan Lippincott, 434–35. Berlin: Springer. http://link.springer.com/chapter/10.1007/978-3-540-87599-4%7B_%7D56.
- Ruestes Bitrià, Carme. 2008. "A Multi-Technique GIS Visibility Analysis for Studying Visual Control of an Iron Age Landscape." *Internet Archaeology* 23 (23). <http://intarch.ac.uk/journal/issue23/4/index.html>.
- Ruestes Bitrià, Carme. 2008. "Social Organization and Human Space in North-Eastern Iberia During the Third Century BC." *Oxford Journal of Archaeology* 27 (4): 359–86.
- Witcher, Robert. 2008. "(Re)surveying Mediterranean Rural Landscapes : GIS and Legacy Survey Data." *Internet Archaeology* 24: 1–40.
- Adcock, Jimmy, Henry Chapman, and John Gater. 2009. "An Approach to Mapping Buried Prehistoric Palaeosols of the Atlantic Seaboard in Northwest Europe Using GPR, Geoarchaeology and GIS and the Implications for Heritage Management." *Journal of Archaeological Science* 36 (10): 2308–13.
- Azzari, M, and A Favretto, eds. 2009. *7° Workshop Beni Ambientali E Culturali E GIS: Comunicare l'Ambiente: Trieste, 21 Novembre 2008: Atti*. Bologna: Patron.
- Bailey, Timothy J, and James B M Schick. 2009. "Historical GIS." *Social Science Computer Review* 27 (3): 291–96. <http://ci.nii.ac.jp/naid/110007467884>.
- Bevan, Andrew, and James Conolly. 2009. "Modelling Spatial Heterogeneity and Nonstationarity in Artifact-Rich Landscapes." *Journal of Archaeological Science* 36 (4): 956–64.
- Contreras, Daniel A. 2009. "Reconstructing Landscape at Chavin de Huantar, Peru: A GIS-Based Approach." *Journal of Archaeological Science* 36 (4): 1006–17.
- Crook, Darren. 2009. "Hydrology of the Combination Irrigation System in the Wadi Faynan, Jordan." *Journal of Archaeological Science* 36 (10): 2427–36.
- Zio, Simone Di, and Domenico Bernabei. 2009. "Un Modello GIS Multicriterio per La Costruzione Di Mappe Di Plausibilità per La Localizzazione Di Siti Archeologici: Il Caso Della Costa Teramana." *Archeologia E Calcolatori* 20: 309–29.
- Dix, Andreas, and Christof Schuppert. 2009. "Reconstructing Former Features of the Cultural Landscape Near Early Celtic Princely Seats in Southern Germany: A GIS-Based Application of Large-Scale Historical Maps and Archival Sources as a Contribution to Archaeological Research." *Social Science Computer Review* 27 (3): 420–36. <http://ssc.sagepub.com/cgi/doi/10.1177/0894439308329766>.
- Fitzjohn, Matthew. 2009. "The Use of GIS in Landscape Heritage and Attitudes to Place: Digital Deep Maps." In *Heritage Studies: Methods and Approaches*, edited by Jhon Carman and Marie L S Sørensen, 1–16. London: Routledge.
- Fronza, Vittorio, Alessandra Nardini, and Marco Valenti. 2009. *Informatica E Archeologia Medievale. L'esperienza Senese*. Firenze: Edizioni all'Insegna del Giglio.
- Gallo, Danilo, Marcello Ciminale, Helmut Becker, and Nicola Masini. 2009. "Remote Sensing Techniques for Reconstructing a Vast Neolithic Settlement in Southern Italy." *Journal of Archaeological Science* 36 (1): 43–50.
- Giorgi, Enrico, ed. 2009. *Groma 2. In Profondità Senza Scavare*. Bologna: BraDypUS.
- Hildebrandt-Radke, Iwona, and Jasiewicz Jarosław. 2009. "Using Multivariate Statistics and Fuzzy Logic System to Analyse Settlement Preferences in Lowland Areas of the Temperate Zone: An Example from the Polish Lowlands." *Journal of Archaeological Science*.

- Kay, Stephen, and Robert Witcher. 2009. "Predictive Modelling of Roman Settlement in the Middle Tiber Valley." *Archeologia E Calcolatori* 20: 277–90.
- Mandolesi, Luca, and Enzo Cocca. 2009. "PyArchInit: Gli Sviluppatori Dopo ArcheoFOSS 2009. In ArcheoFOSS. Free, Libre and Open Source Software E Open Format Nei Processi Di Ricerca Archeologica. Atti Del VII Workshop (Roma, 11-13 Giugno 2012) Edited by Mirella." In *ArcheoFOSS. Free, Libre and Open Source Software E Open Format Nei Processi Di Ricerca Archeologica: Atti Del IX Workshop (Roma, 11-13 Giugno 2012)*, edited by Mirella Serlorenzi, 128–38.
- Moscato, Paola. 2009. *La Nascita Dell'informatica Archeologica: Atti Del Convegno Internazionale (Roma, Accademia Nazionale Dei Lincei, 24 Ottobre 2008)*. Firenze: Edizioni All'Insegna del Giglio.
- Rua, Helena. 2009. "Geographic Information Systems in Archaeological Analysis: A Predictive Model in the Detection of Rural Roman Villae." *Journal of Archaeological Science* 36 (2): 224–35.
- Arakawa, Fumiyasu. 2010. "Prehistoric Resource Procurement in the Central Mesa Verde Region: A Study of Human Mobility and Social Interactions Using GIS." *International Journal of Humanities and Arts Computing* 3 (1–2): 85–100.
- Ayhan, Irem, and Mert K Cubukcu. 2010. "Explaining Historical Urban Development Using the Locations of Mosques: A GIS/Spatial Statistics-Based Approach." *Applied Geography* 30 (2): 229–38.
- Bodenhamer, David J, John Corrigan, and Trevor M Harris. 2010. *The Spatial Humanities-Gis and the Future of Humanities Scholarship*. doi:10.1017/CBO9781107415324.004.
- Costantino, Andrea, Sabatino Laurenza, and Simona Mancuso. 2010. "Staying Still and Moving On. Un GIS Interattivo per Il Calcolo E La Visualizzazione Scientifica Di Rotte E Percorsi Nel Mediterraneo Antico." In *ArcheoFOSS: Open Source, Free Software E Open Format Nei Processi Di Ricerca Archeologica: Atti Del IV Workshop (Roma, 27-28 Aprile 2009)*, edited by Paolo Cignoni, Augusto Palombini, and Sofia Pescarin, 223–39. Firenze: Edizioni all'Insegna del Giglio.
- Ell, Paul S, and Ian N Gregory. 2010. "Adding a New Dimension to Historical Research with GIS." *History and Computing* 13 (1): 1–6.
- Frische, Bernard, David Koller, and Jane Webb Crawford, eds. 2010. *Making History Interactive: Computer Applications and Quantitative Methods in Archaeology (CAA): Proceedings of the 37th International Conference, Williamsburg, Virginia, United States of America, March 22-26. BAR International Series*. Oxford: Archaeopress.
- Goodchild, M.F., and D.G. Janelle. 2010. "Toward Critical Spatial Thinking in the Social Sciences and Humanities." *GeoJournal* 75 (1): 3–13.
- Hillier, Amy. 2010. "Invitation to Mapping: How GIS Can Facilitate New Discoveries in Urban and Planning History." *Journal of Planning History* 9 (2): 122–34. <http://jph.sagepub.com/cgi/doi/10.1177/1538513210366964>.
- Mandolesi, Luca. 2010. "PyArchInit - Python, QGIS E PostgreSQL per La Gestione Dei Dati Di Scavo." In *ArcheoFOSS: Open Source, Free Software E Open Format Nei Processi Di Ricerca Archeologica: Atti Del IV Workshop (Roma, 27-28 Aprile 2009)*, edited by Paolo Cignoni, Augusto Palombini, and Sofia Pescarin, 209–23. Firenze: Edizioni all'Insegna del Giglio. http://soi.cnr.it/archcalc/indice/Suppl0%7B_%7D2/20%7B_%7DMandolesi.pdf.
- Meroni, Giorgio, and Grazia M Visconti. 2010. "GIS Archeologico Del Grand Villaya - Nord Per {ù}." In *ArcheoFOSS: Open Source, Free Software E Open Format Nei Processi Di Ricerca Archeologica: Atti Del IV Workshop (Roma, 27-28 Aprile 2009)*, edited by Paolo Cignoni, Augusto Palombini, and Sofia Pescarin, 161–69. Firenze: Edizioni all'Insegna del Giglio.
- Niccolucci, Franco, and Sorin Hermon, eds. 2010. *Beyond the Artefact. Digital Interpretation of the Past. Proceedings of CAA2004. Prato 13-17 April 2004*. Budapest: Archaeolingua. http://www.academia.edu/1402095/Beyond%7B_%7Dthe%7B_%7DArtifact%7B_%7D-%7B_%7DDigital%7B_%7DInterpretation%7B_%7Dof%7B_%7Dthe%7B_%7DPast%7B_%7D-%7B_%7DProceedings%7B_%7Dof%7B_%7DCAA2004%7B_%7D-%7B_%7DPrato%7B_%7D13%7B_%7D17%7B_%7DApril%7B_%7D2004.

- Polla, Silvia. 2010. "Modelli Raster Di Uso Del Suolo Nella Lunga Durata in Ambiente Montano Con GRASS." In *ArcheoFOSS: Open Source, Free Software E Open Format Nei Processi Di Ricerca Archeologica: Atti Del IV Workshop (Roma, 27-28 Aprile 2009)*, edited by Paolo Cignoni, Augusto Palombini, and Sofia Pescarin, 161–69. Firenze: Edizioni all’Insegna del Giglio.
- Andrea, Scianna, and Benedetto Villa. 2011. "Gis Applications in Archaeology." *Archeologia E Calcolatori* 22: 337–63.
- Bovero, Matteo O. 2011. "Il Progetto Archeomap." In *ArcheoFOSS: Open Source, Free Software E Open Format Nei Processi Di Ricerca Archeologica: Atti Del V Workshop (Foggia, 5-6 Maggio 2010)*, edited by Giuliano De Felice and Maria G Sibilano, 11–19. Bari: EdiPuglia.
- Danielisová, Alzbeta, Philip Verhagen, and Axel Posluschny, eds. 2011. *Go Your Own Least Cost Path: Spatial Technology and Archaeological Interpretation: Proceedings of the GIS Session at EAA 2009, Riva Del Garda*. Oxford: Archaeopress.
- Virgilio, Francesco de. 2011. "L’impiego Di Mobile GIS Open Source in Archeologia. I Progetti Tellus E Total Open Station." In *ArcheoFOSS: Open Source, Free Software E Open Format Nei Processi Di Ricerca Archeologica: Atti Del V Workshop (Foggia, 5-6 Maggio 2010)*, edited by Giuliano De Felice and Maria G Sibilano, 153–57. Bari: EdiPuglia.
- DeBats, Donald A, and Ian N Gregory. 2011. "Introduction to Historical GIS and the Study of Urban History." *Social Science History* 35 (4): 455–63. <http://search.ebscohost.com/login.aspx?direct=true%7B%7Ddb=aph%7B%7DAN=70318077%7B%7Dsite=ehost-live>.
- Deola, Simone, Valeria Grazioli, and Simone Pedron. 2011. "Lo Studio Delle Motte: Un Approccio Tramite GIS Di Un’area Del Veneto." In *ArcheoFOSS: Open Source, Free Software E Open Format Nei Processi Di Ricerca Archeologica: Atti Del V Workshop (Foggia, 5-6 Maggio 2010)*, edited by Giuliano De Felice and Maria G Sibilano, 27–35. Bari: EdiPuglia.
- Farinetti, Emeri. 2011. "Boeotian Landscapes A GIS-Based Study for the Reconstruction and Interpretation of the Archaeological Datasets of Ancient Boeotia." Oxford: Archaeopress. <https://openaccess.leidenuniv.nl/handle/1887/14500>.
- Gottardi, Tecla, Valeria Grazioli, Piergiovanna Grossi, Cecilia Zanetti, and Zentilini Elisa. 2011. "Proposta per Una Carta Archeologica Di Verona: Un Prototipo Con Software Libero Realizzato Tramite Alcune Tesi Di Laurea." In *ArcheoFOSS: Open Source, Free Software E Open Format Nei Processi Di Ricerca Archeologica: Atti Del V Workshop (Foggia, 5-6 Maggio 2010)*, edited by Giuliano De Felice and Maria G Sibilano, 47–57. Bari: EdiPuglia.
- Green, Christopher T. 2011. *Winding Dali’s Clock: The Construction of a Fuzzy Temporal-GIS for Archaeology*. Oxford: Archaeopress. <http://hdl.handle.net/2381/9385>.
- Gregory, I. N., and A. Hardie. 2011. "Visual GISting: Bringing Together Corpus Linguistics and Geographical Information Systems." *Literary and Linguistic Computing* 26 (3). Oxford University Press: 297–314. doi:10.1093/lc/fqr022.
- Jerem, Erzsébet, Ferenc Redó, and Vajk Szeverényi, eds. 2011. *On the Road to Reconstructing the Past: Computer Applications and Quantitative Methods in Archaeology (CAA): Proceedings of the 36th International Conference, Budapest, April 2-6, 2008*. Archaeolingua.
- Kvamme, Kenneth L. 2011. "Archaeological Predictive Modeling in the USA." In *A Piccoli Passi: Archeologia Predittiva E Preventiva Nell’Esperienza Cesenate*, edited by S Gelichi and C Negrelli, 19–25. Firenze: Edizioni all’Insegna del Giglio.
- Lönnqvist, Kenneth, Minna Lönnqvist, Milton Nuñez, and Markus Törmä. 2011. *Jebel Bishri in Focus: Remote Sensing, Archaeological Surveying, Mapping, and GIS Studies of Jebel Bishri in Central Syria by the Finnish Project SYGIS*. Oxford: Archaeopress.
- Martí-Henneberg, Jordi. 2011. "History and GIS: Railways, Population Change, and Agricultural Development in Late Nineteenth Century Wales." In *GeoHumanities: Art, History, Text at the Edge of Place*, edited by Michael J Dear. London: Routledge.

- Martí-Henneberg, Jordi. 2011. "Geographical Information Systems and the Study of History." *Journal of Interdisciplinary History* 42: 1–13. http://www.mitpressjournals.org/doi/pdf/10.1162/JINH%7B_%7Da%7B_%7D00202.
- Scampoli, Emiliano, and Annica Sahlin. 2011. "Un Geo-Database (PostgreSQL/PostGIS) Ed Alcune Possibili Interfacce Web per La Comunicazione Dei Dati Archeologici: I Casi Di Firenze E Del Pratomagno." In *ArcheoFOSS. Free, Libre and Open Source Software E Open Format Nei Processi Di Ricerca Archeologica: Atti Del V Workshop (Foggia 5-6 Maggio 2010)*, edited by Giuliano De Felice and Maria Giuseppina, 91–99.
- Scampoli, Emiliano, and Annica Sahlin. 2011. "Un Geo-Database (PostgreSQL/PostGIS) Ed Alcune Possibili Interfacce Web per La Comunicazione Dei Dati Archeologici: I Casi Di Firenze E Del Pratomagno." In *ArcheoFOSS: Open Source, Free Software E Open Format Nei Processi Di Ricerca Archeologica: Atti Del V Workshop (Foggia, 5-6 Maggio 2010)*, edited by Giuliano De Felice and Maria G Sibilano, 91–103. Bari: EdiPuglia.
- Serlorenci, Mirella, and Ilaria Jovine, eds. 2011. *SITAR: Sistema Informativo Territoriale Archeologico Di Roma: Atti Del II Convegno, Roma 9 Novembre 2011*. Roma: Iuno.
- Gonizzi Barsanti, Sara, and Massimo Braini. 2012. "La Carta Archeologica Su Supporto Digitale E I Casi Di Trieste E Cividale Del Friuli." In *Archeologia Virtuale: La Metodologia Prima Del Software, Atti Del II Seminario, Roma, 5-6 Aprile 2011*, edited by Simone Gianolio, 200–219. Roma: Espera.
- Kvamme, Kenneth L. 2012. "Spatial Information Technologies and Landscape Archaeology: Past Problems and Future Directions." *Journal for Ancient Studies* 3: 335–40.
- Papa, Maria Assunta. 2012. "Il Sistema Informativo Territoriale." In *Carta Archeologica E Sistema Informativo Territoriale Del Parco Archeologico E Paesaggistico Della Valle Dei Templi Di Agrigento*, edited by Oscar Belvedere and Aurelio Burgio, 51–90. Palermo.
- Roggio, Barbara. 2012. *Archeologia E GIS: Uno Studio Diacronico Delle Trasformazioni Dell'area Ostiense Di Roma*. Roma: UniversItalia.
- Scardozi, Giuseppe. 2012. "Ricerche per La Carta Archeologica Di Hierapolis Di Frigia (Turchia): Indagini Multidisciplinari Integrate per La Ricostruzione Di Una Città Antica." In *Archeologia Virtuale: La Metodologia Prima Del Software, Atti Del II Seminario, Roma, 5-6 Aprile 2011*, edited by Simone Gianolio, 131–47. Roma: Espera.
- Simon, Rainer, Elton Barker, and Leif Isaksen. 2012. "Exploring Pelagios: A Visual Browser for Geo-Tagged Datasets." In *International Workshop on Supporting Users' Exploration of Digital Libraries, 23-27 September 2012, Paphos, Cyprus*. Paphos. <http://oro.open.ac.uk/34496/>.
- Zhou, Mingquan, Iza Romanowska, Zhongke Wu, Pengfei Xu, and Philip Verhagen, eds. 2012. *Revive the Past: Proceeding of the 39th Conference of Computer Applications and Quantitative Methods in Archaeology, Beijing, 12-16 April 2011*. Amsterdam: Pallas Publications. <http://www.worldcat.org/oclc/855995588>.
- Baldassarri, Monica, Giuseppe Naponiello, and Giuliana Pagni. 2013. "Elaborazione Di Un Sistema Di Schedatura Dati E Sviluppo Di Un Web GIS per La Consultazione Dei Dati Archeologici: Il Caso Di Montescudaio in Val Di Cecina (PI)." In *Open Source, Free Software E Open Format Nei Processi Di Ricerca Archeologica: Atti Del II Workshop (Genova, 11 Maggio 2007)*, edited by Stefano Costa and Giovanni L Pesce, 51–75. London: Ubiquity Press.
- Brughmans, T. 2013. "Networks of Networks: A Citation Network Analysis of the Adoption, Use, and Adaptation of Formal Network Techniques in Archaeology." *Literary and Linguistic Computing* 28 (4). Oxford University Press: 538–62. doi:10.1093/lc/fqt048.
- Contreras, Francisco, Mercedes Farjas, and Francisco J Melero, eds. 2013. *Fusion of Cultures: Abstracts of the XXXVIII Conference on Computer Applications and Quantitative Methods in Archaeology, April 6-9, 2010, Granada, Spain*. Oxford: Archaeopress.

- Earl, Graeme, Tim Sly, Angeliki Chrysanthi, Patricia Murrieta-Flores, Constantinos Papadopoulos, Iza Romanowska, and David Wheatley, eds. 2013. *Archaeology in the Digital Era: Papers from the 40th Annual Conference of Computer Applications and Quantitative Methods in Archaeology (CAA), Southampton, 26-29 March 2012*. Amsterdam: Amsterdam University Press. <http://en.aup.nl/books/9789089646637-archaeology-in-the-digital-era.html>.
- McManama-Kearin, Karen. 2013. *The Use of GIS in Determining the Role of Visibility in the Siting of Early Anglo-Norman Stone Castles in Ireland*. Oxford: British Archaeological Reports.
- Polczynski, Michael, and Mark Polczynski. 2013. "A Microsoft Excel Application for Automatically Building Historical Geography GIS Maps." *Transactions in GIS* 17 (1). doi:10.1111/tgis.12002.
- Serlorenzi, Mirella., and Ilaria. Jovine. 2013. *SITAR : Sistema Informativo Territoriale Archeologico Di Roma : Atti Del 2. Convegno, Roma 9 Novembre 2011*. Iuno. https://www.academia.edu/5731775/Il_Sistema_Informativo_Territoriale_Archeologico_Nazionale_SITAN.
- Travis, Charles, and Alexander von Lünen. 2013. *History and GIS : Epistemologies, Considerations and Reflections*. Dordrecht: Springer.
- Schwerin, J. von, H. Richards-Rissetto, F. Remondino, G. Agugiaro, and G. Girardi. 2013. "The MayaArch3D Project: A 3D WebGIS for Analyzing Ancient Architecture and Landscapes." *Literary and Linguistic Computing* 28 (4). Oxford University Press: 736–53. doi:10.1093/lc/fqt059.
- Agugiaro, Giorgio. 2014. "3D GIS for Cultural Heritage Sites: The QueryArch3D Prototype." In *3D Recording and Modelling in Archaeology and Cultural Heritage. Theory and Best Practices*, edited by Fabio Remondino and Stefano Campana, 145–50. Oxford: BAR.
- Agugiaro, Giorgio. 2014. "2D GIS vs. 3D GIS Theory." In *3D Recording and Modelling in Archaeology and Cultural Heritage. Theory and Best Practices*, edited by Fabio Remondino and Stefano Campana, 103–14. Oxford: BAR.
- Alfano, Antonio, and Sebastiano Muratore. 2014. "Sit E Database. Archeologia Del Paesaggio Tra Le Valli Dello Jato E Del Belice Destro." *Archeologia E Calcolatori* 24: 71–91.
- Bonnell, Jennifer, and Marcel Fortin. 2014. *Historical GIS Research in Canada*. Calgary: University of Calgary Press. <http://uofcpress.com/books/9781552387085>.
- Eve, Stuart. 2014. *Dead Men's Eyes: Embodied GIS, Mixed Reality and Landscape Archaeology*.
- Gregory, Ian N, and Alistair Geddes. 2014. *Toward Spatial Humanities: Historical Gis and Spatial History*. Bloomington: Indiana University Press.
- Hritz, Carrie. 2014. "Contributions of GIS and Satellite-Based Remote Sensing to Landscape Archaeology in the Middle East." *Journal of Archaeological Research*. doi:10.1007/s10814-013-9072-2.
- Isaksen, Leif, Rainer Simon, Elton T. E. Barker, and Pau de Soto Canamares. 2014. "Pelagios and the Emerging Graph of Ancient World Data." In , 197–201. ACM. doi:10.1145/2615569.2615693.
- Kvamme, Kenneth L. 2014. "GIS." Edited by Allan S Gilbert. *Encyclopedia of Geoarchaeology*. Berlin: Springer.
- Simon, Rainer, Peter Pilgerstorfer, Leif Isaksen, and Elton Barker. 2014. "Towards Semi-Automatic Annotation of Toponyms on Old Maps." *E-Perimetron* 9 (3): 105–12. http://www.e-perimetron.org/Vol_9_3/Simon_et_al.pdf.
- Wells, J. J., E. C. Kansa, S. W. Kansa, S. J. Yerka, D. G. Anderson, T. G. Bissett, K. N. Myers, and R. Carl DeMuth. 2014. "Web-Based Discovery and Integration of Archaeological Historic Properties Inventory Data: The Digital Index of North American Archaeology (DINAA)." *Literary and Linguistic Computing* 29 (3). Oxford University Press: 349–60. doi:10.1093/lc/fqu028.
- Bodenhamer, David J, John Corrigan, and Trevor M Harris. 2015. *Deep Maps and Spatial Narratives*. Bloomington: Indiana University Press.
- Giligny, François, François Djindjian, Laurent Costa, Paola Moscati, and Sandrine Robert, eds. 2015. *CAA2014. 21st Century Archaeology: Concepts, Methods and Tools. Proceedings of the 42nd Annual Con-*

- ference on Computer Applications and Quantitative Methods in Archaeology*. Oxford: Archaeopress.
- Leoni, Giorgia, and Mirella Serlorenzi, eds. 2015. *Il SITAR Nella Rete Della Ricerca Italiana: Verso La Conoscenza Archeologica Condivisa: Atti Del III Convegno (Roma, Museo Nazionale Romano, 23-24 Maggio 2013)*. Firenze: Edizioni all'Insegna del Giglio.
- Mantellini, Simone. 2015. "Gis and Remote Sensing for a Preliminary Assessment of the Archaeological Landscape in the Eblaite Chora (Syria)." *Archeologia E Calcolatori* 26: 289–99.
- Saldana, M. 2015. "An Integrated Approach to the Procedural Modeling of Ancient Cities and Buildings." *Digital Scholarship in the Humanities* 30 (suppl 1). Oxford University Press: i148–63. doi:10.1093/llc/fqv013.
- Simon, Rainer, Elton Barker, Leif Isaksen, and Pau de Soto Cañamares. 2015. "Linking Early Geospatial Documents, One Place at a Time: Annotation of Geographic Documents with Recogito." *E-Perimtron* 2: 49–52. http://oro.open.ac.uk/43613/1/Simon_et_al.pdf.
- Traviglia, Arianna, ed. 2015. *Across Space and Time: Papers from the 41st Conference on Computer Applications and Quantitative Methods in Archaeology (CAA). Perth, 25-28 March 2013*. Amsterdam: Amsterdam University Press.
- Andrieux, Eric, Pascal Bertran, and Kazuyuki Saito. 2016. "Spatial Analysis of the French Pleistocene Permafrost by a GIS Database." *Permafrost and Periglacial Processes* 27 (1): 17–30.
- Cacciaguerra, Giuseppe, Daniele Malfitana, and Antonino Mazzaglia, eds. 2016. *Catania: Archeologia E Città. Il Progetto OpenCity Banca Dati, GIS E WebGis*. Catania: IBAM.
- Campana, Stefano, Gabriella Carpentiero, Marianna Cirillo, and Roberto Scopigno, eds. 2016. *CAA2015. Keep the Revolution Going. Proceedings of the 43rd Annual Conference on Computer Applications and Quantitative Methods in Archaeology*. Oxford: Archaeopress.
- Ceccaroni, Emanuela, and Dario Rose. 2016. "L'acquedotto Romano Di Alba Fucens (AQ). Un GIS per Il Processo Di Ricerca, Tutela E Valorizzazione Del Sito." In *ArcheoFOSS. Free, Libre and Open Source Software E Open Format Nei Processi Di Ricerca Archeologica: Atti Del IX Workshop (Verona, 19-20 Giugno 2014)*, edited by Patrizia Basso, Alessandra Caravale, and Piergiovanna Grossi, 115–20. Firenze: Edizioni all'Insegna del Giglio.
- Cocca, Enzo, and Mandolesi Luca. 2016. "Analisi Statistiche E Geostatistiche Con PyArchInit: Prima Sperimentazione." In *ArcheoFOSS. Free, Libre and Open Source Software E Open Format Nei Processi Di Ricerca Archeologica: Atti Del IX Workshop (Verona, 19-20 Giugno 2014)*, edited by Patrizia Basso, Alessandra Caravale, and Piergiovanna Grossi, 132–40.
- Dell'Unto, Nicolò. 2016. "Using 3D GIS Platforms to Analyse and Interpret the Past." In *Digital Methods and Remote Sensing in Archaeology*, edited by Maurizio Forte and Stefano Campana, 305–22. Springer. <http://www.springer.com/us/book/9783319406565>.
- Giacomo, Giacomo Di. 2016. "Sperimentazione Di Un Sistema GIS Cloud Open Source per La Condivisione E La Valorizzazione Del Patrimonio Archeologico." In *ArcheoFOSS. Free, Libre and Open Source Software E Open Format Nei Processi Di Ricerca Archeologica: Atti Del IX Workshop (Verona, 19-20 Giugno 2014)*, edited by Patrizia Basso, Alessandra Caravale, and Piergiovanna Grossi, 181–87.
- Merlo, Stefania. 2016. *Making Visible: Three-Dimensional GIS in Archaeological Excavation*. Oxford: British Archaeological Reports.
- Peyronel, Luca, Daniele Bursich, and Giacomo Di Giacomo. 2016. "Quantum Gis per La Gestione Dei Dati Dalla Survey 2013 a Helawa Nella Piana Di Erbil, Kurdistan, Iraq." In *ArcheoFOSS. Free, Libre and Open Source Software E Open Format Nei Processi Di Ricerca Archeologica: Atti Del IX Workshop (Verona, 19-20 Giugno 2014)*, edited by Patrizia Basso, Alessandra Caravale, and Piergiovanna Grossi, 88–96.
- Simon, Rainer, Leif Isaksen, Elton Barker, and Pau Cañamares de Soto. 2016. "Peripleo: A Tool for Exploring Heterogeneous Data through the Dimensions of Space and Time." *Code4Lib* 31. <http://journal.code4lib.org/articles/11144>.

- Simon, Rainer, Leif Isaksen, Elton Barker, and Pau de Soto Cañamares. 2016. "The Pleiades Gazetteer and the Pelagios Project." In *Placing Names: Enriching and Integrating Gazetteers*, edited by Merrick Lex Berman, Ruth Mostern, and Humphrey Southall. Indiana University Press.
- Tepstra, Nicholas, and Colin Rose, eds. 2016. *Mapping Space, Sense, and Movement in Florence. Historical GIS and the Early Modern City*. London: Routledge.

