

# Curriculum Vitae - Stefano RL Campana



I come from Switzerland originally, but I have been working for the past fifteen years at the University of Siena in Italy and the University of Cambridge (UK). I am one of Italy's most active and inventive mid-career professor in Italy, specializing in landscape archaeology, remote sensing and archaeological methodology for purposes of research, recording and conservation. My work is focused on the understanding of past landscapes from protohistory to the present day. The principal context for my work has been Tuscany but I have also participated in and led research work in the UK, Spain, Turkey, Palestine, Iraq and Asia. Since 2006 I have been a faculty member of the University of Siena (Italy), in the Department of History and Cultural Heritage, where I have engaged in teaching and research as associate professor in Landscape Archaeology. From 2016 I have also been invited from the Department of Social, Political and Cognitive Sciences of the University of Siena to teach "Cultural Diplomacy and Archaeology" within the international master course in Cultural Diplomacy.

I have established a reputation as an international authority in the field of landscape and digital archaeology. In particular, I have contributed at national and international level to develop a methodology for the holistic study of archaeological landscapes and have introduced new digital approaches to Mediterranean archaeology, particularly aerial survey and oblique air photography, mobile GIS standards, large-scale continuous geophysics, lidar and a new UAV-based pipeline for 4D documentation of archaeological excavation and historical building.

I have been very active in the international sphere and have established a sound reputation for innovative research and the rapid publication of books and articles in national and international peer review journals and in the conference proceedings for meetings in which he has been involved as chairman and invited speaker. In 2011 I was proposed and admitted as a Fellow of the Society of Antiquaries of London (FSA) and in 2012 I was invited to be a member of the General Management Board of HIST, the Governing Board of the International Centre on Space Technologies for Natural and Cultural Heritage, under the auspices of UNESCO and the Chinese Academy of Sciences. I was invited as visiting professor at École Normale Supérieure (Paris), University of Lund (Sweden) and at the Institute of Archaeology of Erbil (Erbil-Iraq).

I currently lead a research team in the Laboratory of Landscape Archaeology and Remote Sensing at the University of Siena and have directed numerous research projects, field surveys and excavations. In 2009 I founded a successful spin-off company at the University of Siena, ATS Ltd, aimed at technology transfer for Cultural Heritage.

From September 2014 to June 2016 I became Senior Research Fellow at the University of Cambridge (UK), Faculty of Classics. There, I initiated a totally new project under the title 'EMPTYSCAPES', aimed at stimulating change in the way archaeologists in the Mediterranean world study the archaeology of landscapes, moving from an essentially site-based approach to a truly landscape-scale perspective.

**10-YEAR TRACK-RECORD** - Over the past ten years I have established a sound national and international reputation within the fields of landscape research and archaeological fieldwork, and in particular for the pioneering of innovative approaches and practical methods for holistic investigation and interpretation work within these fields.

I have promoted concepts such as 'emptyscapes' and the 'archaeological continuum' within rural studies and have demonstrated their relevance to theoretical and practical approaches within Mediterranean archaeology, notably through the systematic application of large-scale geophysical survey, aerial exploration and air photography, including the use of drones and drone-based lidar.

My activities have also had an impact in the fields of archaeological conservation and commercial practice, through creation of the spin-off company ATS and through its use under my direction of the innovative approaches to its assessment work on the Brescia-to-Milan motorway, as well as in subsequent projects throughout Italy and beyond.

My Univ-based research has concentrated in large part on the development of new approaches to the study of Late Antiquity and the Early Middle Ages in Italy, notably through scientific direction of major archaeological excavations at the palaeochristian and medieval church at Pava, the early medieval Monastery of San Pietro ad Asso, the roman Villa and medieval church of Santa Marta, the lowland next to the ancient city of Rusellae and through rural survey work seeking a better understanding of the transformation of Late Antique and Early Medieval socio-economic and settlement patterns in Central Italy.

## PERSONAL INFORMATION

Name STEFANO REMO LUIGI  
Surname CAMPANA  
Place, date of birth Lugano (TI – Switzerland) November 12, 1970  
Nationality Swiss nationality and Italian nationality  
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WEB site <https://unisi.academia.edu/StefanoCampana>  
Family status Married, 2 daughters (14 and 10 years old)  
Sports Former rugby player, trial runner, motorbike riding, horse riding, hiking and skiing.

## CURRENT CAREER POSITION

- **Associate Professor in Ancient Topography** - From November 1<sup>st</sup>, 2017 is tenured member of academic staff at the University of Siena (Italy), Department of History and Cultural Heritage, engaged in teaching and research. Position
- 2018 - Achieved the National (Italian) **Academic Qualification as Full Professor in Archaeology**.
- From 2003 established (with prof. R. Francovich) and is **scientific director** of the **Laboratory of Landscape Archaeology and Remote Sensing** at the Department of Archaeology and History of Arts, University of Siena.

## PREVIOUS POSITIONS & MAIN TEMPORARY ACADEMIC APPOINTMENTS

2020 Distance Learning Visiting Professor at the University of University of Bucharest, Faculty of History (Romania)  
2018 Visiting Professor at the Iraqi State Board of Antiquities and Heritage (Erbil-Iraq).  
2017 Visiting Professor at the Institute of Archaeology of Erbil (Erbil-Iraq).  
2016 Visiting Professor at École Normale Supérieure (ENS-Paris).  
2014-2016 Senior Research Fellow at the University of Cambridge (UK), Faculty of Classics (EmptyScapes, EU Marie Curie Program FP7-PEOPLE-2013-IEF n°628338, July 2014-June 2016).  
2014 Visiting Professor at the University of Lund (Sweden).  
2006-2017 Lecturer in Ancient Topography (2014-2016 on leave at Cambridge), tenured Faculty member at the University of Siena (Italy), Department of History and Cultural Heritage.  
2003-2006 Contract professor, Dept. of Archaeology and History of Arts, University of Siena.

## EDUCATION

2014-2016 Marie Curie Fellow at the University of Cambridge (UK), Faculty of Classics.  
2003 Ph.D. in Landscape Archaeology, Italian University Consortium (Genoa, Padua, Pisa, Venice, Siena). Title: *Remote Sensing, GIS, GPS and traditional research methods. Integrated archaeological processes for the study of past landscapes: sample areas in the Orcia and Cornia Valleys*. Supervisor: Prof Riccardo Francovich (university of Siena) and Prof G.P. Brogiolo (University of Padua), including a secondment at the University of Florence under the supervision of Prof E. Pranzini.  
1998 Degree *Summa cum laude* in Medieval Archaeology, University of Siena - Italy. Title: *Archaeological Survey of Murlo Landscape*. Supervisors: Prof R. Francovich.  
1991 Swiss Federal High School Degree – scientific *curriculum* (Lugano - Switzerland)

## LANGUAGES

- Mother tongue: Italian
- Other languages: English – fluent; German – good; French – good

## SOCIETY MEMBERSHIPS

- 2011 - Elected as a Fellow of the Society of Antiquaries of London (FSA)
- 2011 - UISPP, International Union for Prehistoric and Protohistoric Sciences, CHISP, UNESCO.
- 2007 - European Association of Remote Sensing Laboratories (EARSel)
- 2007 - European Association of Archaeologists (EAA)
- 2004 - International Society for Archaeological Prospection (ISAP)

- 2002 - Computer Applications in Archaeology (CAA)
- 1999 - Medieval Archaeology Society (SAMI)
- 1999 - Aerial Archaeology Research Group (AARG)
- 1998 - Italian Remote Sensing Society (AIT)

## FELLOWSHIPS AND AWARDS

- 2020: Appointed by the Italian Minister of the University (Italy) in the national commission of **expert for the antiquities drawing 2021-27 National Research Plan**.
- 2020: Appointed member of the scientific committee of the Artificial Intelligence Network of the University of Siena.
- 2019: Appointed by the Rector of the University of Siena as member of the International Relations Commission of the University of Siena.
- 2019: Appointed by the Rector of the University of Siena as member of the consulting team, area Culture and Cultural Heritage, of the department for higher education and research, for the new National Research Plan (PNR) for national proposals and strategies and for Horizon Europe 2021-27.
- 2019: member of the first technical commission "Diagnostic Technologies (advanced non-invasive systems) for cultural heritage" within the national technological cluster for cultural heritage: "TICHE - Technological Innovation in Cultural HERitage".
- 2018: Achieved the National (Italian) **Academic Qualification as Full Professor in Archaeology**.
- 2016-2022: delegate of the Rector of the University of Siena for technological transfer to the Humanities. Particularly, he represents the University of Siena within the national technological cluster for cultural heritage: "TICHE - Technological Innovation in Cultural HERitage" and within the Tuscan Region Steering Committee for technology and Cultural Heritage.
- 2015-2017: President of the Commission on Archaeological Prospection, UISPP (International Union for Prehistoric and Protohistoric Sciences, CHISP, UNESCO).
- 2015-2017: Member representing Italy of the UISPP (International Union for Prehistoric and Protohistoric Sciences, CHISP, UNESCO) Commission on Archaeological Methods and Theory.
- 2015-2016: Elected as a Visiting Fellow of the Fitzwilliam College at the University of Cambridge.
- From 2015 President of the Asso Valley Landscape Archaeology Trust and from 2015 has been elected President of the Trust.
- 2014-2016: Senior **Research Fellow at the University of Cambridge (UK), Faculty of Classics**.
- 2014-2016: Elected as a **Fellow of the McDonald Institute for Archaeological Research University of Cambridge**.
- 2013-2015: Expert supervising of the restoration work of the roof of the Nativity Church in Bethlehem appointed by the State of Palestine, Palestinian Presidential Committee for the Restoration.
- 2014: Coordinator for the Department of History and Cultural Heritage of the Erasmus + exchange programme.
- 2014: Steering Committee Member and Editorial Board Member of the International Association Computer Application in Archaeology.
- 2013-2016: Member to the External Advisory Board in relation to the Harvest4D Project Harvesting Dynamic 3D Worlds from Commodity Sensor Clouds. Funding: European Commission, EU, 7th FWP.
- 2012-2015: **Member of the Governing Board of the International Centre on Space Technologies for Natural and Cultural Heritage**, under the auspices of UNESCO and the Chinese Academy of Sciences.
- 2012-2013: Member of the General Management Board of the pan-European project ArchaeoLandscapes Europe, VII<sup>th</sup> Framework Programme.
- 2011: Elected as a **Fellow of the Society of Antiquaries of London (FSA)**.
- 2011-ongoing: Invited member of the National GIS Research Group directed from the General Director of the Ministry for Cultural Heritage.
- 2011-ongoing: Member representing Italy of the UISPP (International Union for Prehistoric and Protohistoric Sciences, CHISP, UNESCO) Commission on Archaeological Prospection.
- 2011-2013: Member of the General Management Board of the pan-European project Archaeolandscapes Europe, VII<sup>th</sup> Framework Programme.
- 2011-2015: Delegate of the Rector of the University of Siena for technology transfer to companies in the area of humanities.
- 2009: Committee Member and Meetings Secretary of the international Aerial Archaeology Research Group (AARG).
- 2007-2011: Member of the National Commission of the Ministry of Cultural Heritage charged with implementing a National Archaeological GIS for Italy.

- 2006-2012: Member of the Board of the PhD School in Archaeology, Archives and Medieval History “Riccardo Francovich” of the University of Siena.

## RESEARCH FELLOWSHIP COMPETITIVE GRANTS AND RECRUITMENT INTERVIEW

- 2015 - Shortlisted and interviewed for the position of the Director of Science and Technology in Archaeology Research Center (STARC) of the Cyprus Institute. After interviewing 3 shortlisted candidates the recruitment committee has decided to suspend temporarily its search, recommending for the moment that an internal interim solution be found. *“The presentation given by Prof Stefano Campana on his field of research, his broad vision of the whole discipline, have greatly impressed the Committee who want to assure that his decision (to suspend temporarily its search) was based solely on local considerations”*.
- 2014-2016: Senior Research Fellow at the University of Cambridge (UK), Faculty of Classics (EU Marie Curie Program FP7-PEOPLE-2013-IEF; <http://www.emptyscapes.org>)
- 2002-2006: Post-Doc grant in the Department of Archaeology at the University of Siena, as an expert in Landscape Archaeology.
- 1999-2002: PhD Grant of the Swiss National Science Foundation (SNSF - the most important Swiss agency promoting scientific research) covering all the cost of 3 years of PhD research, including visits to important research institutions around Europe in the field of landscape archaeology and remote sensing: University of Florence (Italy), English Heritage (UK), University of Durham (UK), Unit for Landscape Modeling at the University of Cambridge (UK).
- 1999: Grant-holder of the Lang Trust (Switzerland); Grant-holder of the Leemann Trust (Switzerland)
- 1996-1997-1998: Grant-holder of the Ticino Cultural Heritage Trust (Switzerland)

## TEACHING

- 2018-onwards: Digital Archaeology, department of History and Cultural Heritage, University of Siena.
- 2018-onwards: Cultural Diplomacy and Archaeology, University of Siena.
- From 2004 Landscape Archaeology and GIS – Department of Archaeology and History of Arts (up to 2012) and Department of History and Cultural Heritage (from 2013) University of Siena.
- 2004-onwards: Archaeological prospection – Department of Archaeology and History of Arts, University of Siena.
- 2003-2004: Computer Science for the Humanities, department of Archaeology and History of Arts, University of Siena.
- From 1999 Stefano Campana has participated as lecturer in Landscape Archaeology, Remote sensing, Methodology, Digital Archaeology at Summer Schools, Masters, Specialization Schools and Ph.D. schools at national (University of Venice, Padua, Milan, Bologna, Sassari, Pisa, Salerno, Trento and CNR) and international level and has given lectures and seminars in several Universities: Bamberg (Germany), Beijing (China), Berkeley (USA-CA), Budapest (Hungary), Bucarest (Romania), Cambridge (UK), Durham (UK), Leiden (NL), Ghent (Belgium), Lund (Sweden), Port au Prince (Haiti), Stanford (USA-CA) and Zaragossa (Spain).

## SUPERVISION OF MASTER AND PHD STUDENTS, POSTDOCTORAL FELLOWS AND MAJOR CONTRIBUTIONS TO THE EARLY CAREERS OF EXCELLENT RESEARCHERS

- At the University of Siena has promoted and tutored the research work and thesis projects of about fifty graduates, masters (46) and PhD students (6). Some of them (e.g. Dr. E.Vaccaro and Dr. L.Marasco) are now lecturers and research fellows in Italy and abroad; others (e.g. Dr. C.Felici, Dr. F.Pericci, Dr. M.Sordini) have started successful careers in commercial archaeology.
- Membership of PhD Examination Committees at the following universities: University of Siena (2011), University of Venice (2009, 2018), University Sidney (2011), University of Rome “La Sapienza” (2015, 2018, 2019), University of Rome III (2019), Université Aix/Marseille (2014), University of Wien (2017), University of Siena (2010), University of Southampton (2019), University of Amsterdam (2019), IMT Lucca (2020).
- Postdoctoral supervision as “scientist in charge” of Marie Curie Fellowship: Dr. María del Mar Castro García

## PRINCIPAL RESEARCH PROJECTS COMPETITIVE GRANTS in the last 10 years: 2010-2020

TIMING	FUNDED BY	PROJECT core	Grant in €
2020	Hatra (Iraq) archaeological assessment of DAESH-inflicted damages	Archaeological assessment of DAESH-inflicted damages on UNESCO Hatra site based on multitemporal satellite image analysis and a high-resolution fieldwork drone survey.	75.000 €
2020-2022	EU Regional funding (Tuscany)	SoS (Sotto Siena = Underground Siena)	120.000 €
2019-2021	Marie Skłodowska-Curie Actions - European Grant	Coordinator of Ligustar (EU proposal 798529)	180.000 €
2016-2019	PRIN 2015 - Ministry of University and	EMPTYSCAPES project Follow up	35.000 €

	Scientific Research		
2016-2019	Archaeological Impact Assessment of Daesh-inflicted Damages on Iraqi Heritage	Archaeological Impact Assessment of Daesh-inflicted Damages on Iraqi Heritage site based on multitemporal satellite image analysis and a high-resolution fieldwork drone survey.	100.000 €
2015	Superintendence of Pompei (Italy)	Grande Progetto POMPEI, 3D surveying and 3D Mapping of «Lotto 6» (Regio VIII, 7 insulae, 70.000 mq)	350.000 €
2014-2016	FP7-PEOPLE-2013-IEF	EMPTYSCAPES <a href="http://www.emptyscapes.org">http://www.emptyscapes.org</a>	309.000 €
2010-2015	EU Culture 2007	Archaeolandscapes Europe	150.000 €
2012-2013	EU Regional funding (Tuscany)	Archeospot	45.000 €
2012-2013	EU Regional funding (Tuscany)	Archaeological Park of PAVA	320.000 €
2012-2013	ARCUS Ministry of Cultural Heritage	Geographical Information System for the Tuscan Archaeological Heritage	100.000 €
2012-2014	Bertarelli Foundation	Between Montalcino and Mount Amiata	35.000 €
2012-2017	Bertarelli Foundation	Santa Marta Project	180.000 €
2011-2012	PRIN 2008 – Ministry of University and Scientific Research	LiDAR technology and large scale magnetic survey for the understanding of ancient landscapes	60.000 €
2010-2011	Palestinian Presidential National Committee for Restoration Of The Roof Of The Church Of Nativity	Preparatory Study for the Restoration of the Roof of the Church of the Nativity in Bethlehem	15.000 €
2009-2011	BREBEMI	Archaeological Impact evaluation of the motorway Brescia-Bergamo-Milano	1.100.000 €
<b>Total amount from 2010 to 2020</b>			<b>3.174.000 €</b>

## APPOINTED MEMBER OF BOARDS OF EXAMINERS

- 2021 University of Palermo
- 2019 University of Padua
- 2018 University of Bologna

## DIRECTION OF LABORATORIES AND FIELDWORK

From 1995 Stefano Campana has directed research laboratories and a number of archaeological field projects (field-walking survey, archaeological survey, geophysical prospection, topographic survey and archaeological excavation):

### LABORATORIES

- 2003-ongoing: Founder (with Prof Riccardo Francovich) and Scientific Director of the Laboratory of Landscape Archaeology and Remote Sensing at Siena and at Grosseto. The Laboratory is part of the Department of Archaeology and History of Arts at the University of Siena (Italy).
- 1999-2003: coordinator (scientific director Prof Claudio Greppi) of the Laboratory of Historical Geography at the Department of History of the University of Siena
- 1998-1999: coordinator (scientific director Prof Claudio Greppi) of the Laboratory of Computer Sciences Applied to Geographical Studies at the Department of History of the University of Siena

### FIELDWORK

#### *Archaeological Excavation*

- From 2015-ongoing archaeological test excavations and core sampling within the Emptyscapes project.
- From 2010-ongoing archaeological prospection and archaeological excavation of a Roman villa at Santa Marta (Cinigiano Italy);
- 2010 San Pietro ad Asso project, archaeological excavation of an Early Medieval monastery (Montalcino Italy) in collaboration with Prof Richard Hodges, University of Penn (Philadelphia -USA);
- 2009-2010 Archaeological excavation of a Roman farm Pievina (Cinigiano Italy) in collaboration with Prof Kim Bowes, Cornell University (NY-USA).
- Form 2007-ongoing Archaeological excavation of an Early Medieval mound/motte at Castellina (Scarlino, Italy).
- 2005-2007 Archaeological excavation of the Medieval village at Poggio Cavolo (Grosseto Italy) in collaboration with Prof Carlo Citter (University of Siena)
- Form 2004-ongoing Archaeological excavation of a Roman villa and paleochristian church at Pieve di Pava (San Giovanni d'Asso, Italy)

#### *Fieldwalking and Landscape Archaeology Prospection*

- From 2007 - ongoing Emptyscapes project based on large scale geophysical prospections. To date has been collected about 700 hectares magnetic and 30 hectares ERT measurements.

- 2012 high resolution RADAR prospection at Çatalhöyük (Turkey), invited from the Director, Çatalhöyük Research Project, Prof Ian Hodder, University of Stanford (USA).
- From 2005 – on-going Scientific director of the Archaeological Mapping project of The province of Grosseto
- 2003 Director of the Medieval section of the archaeological impact assessment of the A12 motorway (Civitavecchia-Cecina).
- From 2002-ongoing Scientific Director of DGPS survey and data processing in the department of Archaeology and History of Arts, University of Siena, Italy.
- From 1999 – on-going Scientific Director of Archaeological Mapping project of the Orcia Valley (Tuscany-Italy)
- 1995-1999 Field Director of archaeological field-walking survey of the local administration of Murlo (Italy).

## MEMBER OF EDITORIAL BOARDS

- International Journal for Digital and Public Humanities, Advisory Board member (University Ca' Foscari Venice)
- International Journal of Digital Applications in Archaeology and Cultural Heritage.
- International Journal of Studies in Digital Heritage.
- International Journal of Frontiers in Digital Humanities.
- Groma, University of Bologna.
- Archeologia Aerea.
- Computer Applications and Quantitative Methods in Archaeology.
- "Tangible and Intangible Cultural Heritage Analysis, Conservation, and Restoration" con IGI Global Disseminator of Knowledge ([www.igi-global.com](http://www.igi-global.com))

## INTERNATIONAL JOURNALS AND RESEARCH INSTITUTIONS REVIEWER

### Reviewer of International Scientific Journals:

- Antiquity; Archeologia Medievale; Archeologia dell'Architettura; Archeologia Aerea; Orizzonti; Journal of Cultural Heritage; Archaeological and Anthropological Sciences; Journal of Archaeological Method and Theory; Journal of Archaeological Research in Asia; Environment and Planning B: Planning and Design; International Journal of Cultural Heritage; International Journal of Archaeological Prospection; Journal of Archaeological Sciences; Journal of Remote Sensing; International Journal of Remote Sensing; Journal on Computing and Cultural Heritage; Journal of Open Archaeology Data; Ecosystems; ISPRS Journal of Photogrammetry and Remote Sensing; International Journal of Applied Earth Observation and Geoinformation; International Association of Computer Applications and Quantitative Methods in Archaeology.

### Reviewer of research institutions:

- ERC (European Research Council) remote referee (Panel SH6).
- Independent reviewer expert for the National Research Project (Ministry for Universities-Italy).
- Selected from the National (Italian) evaluation agency of the university and research system as eligible candidate of evaluation expert teams for 2015-2019 research quality Assessment.
- Independent reviewer expert for the European Union's 7<sup>th</sup> Framework Program 2007-2013 and Horizon 2020 for evaluating and monitoring research projects.
- Independent reviewer expert for the National Science Foundation (USA).
- Independent reviewer expert for the Flanders Research Foundation (FWO), an independent funding agency that supports fundamental research in all disciplines in Flanders (Belgium).
- Independent reviewer expert for the Israel Science Foundation.
- Independent reviewer expert for National Center of Science and Technology Evaluation of the Republic of Kazakhstan.
- Independent reviewer expert for the Italian Archaeological School of Athens.
- Independent reviewer expert for the National Science Centre Poland (<http://www.ncn.gov.pl>)
- Independent reviewer expert for the Austria's central funding organization for basic research: Austrian Science Fund (FWF).
- Independent reviewer expert for the Research Council of Norway.

## RESEARCH EXCHANGE

2018 (November) – Visiting Professor at the Iraqi State Board of Antiquities and Heritage (Erbil-Iraq).  
2017 Erbil-Iraq (January-February) – Visiting Professor at the Institute of Archaeology of Erbil (Erbil-Iraq).  
2016 Paris on November and December – Visiting Professor at the Ecole Normale Superior (ENS-Paris).  
2014 Lund (March) – University of Lund, Department of Archaeology, Erasmus teaching exchange programme.  
2012 Beijing (October) – Centre for Earth Observation and Digital Earth (CEODE), Chinese Academy of Sciences

(<http://english.ceode.cas.cn/>) .

2012 UK (May) – Landscape Research Centre, York-West Heslerton (<http://www.landscaperesearchcentre.org/>).

2011 Berkeley USA-CA (May) – Tele Immersive LAB, University of Berkeley (<http://tele-immersion.citris-uc.org/>).

2010 UK (May) – Landscape Research Centre, York-West Heslerton, aimed at LiDAR data processing (<http://www.landscaperesearchcentre.org/>).

2009 UK (February) – Landscape Research Centre, York- West Heslerton, aimed at 3D Laser Scanner data processing (<http://www.landscaperesearchcentre.org/>).

2008 UK (February) – Landscape Research Centre, York-West Heslerton, aimed at magnetic data processing (<http://www.landscaperesearchcentre.org/>).

2007 UK (February, June, September) – Remote Sensing laboratories of the Universities of Durham (Lidar data processing), Landscape Research Centre, York-West Heslerton (magnetic data processing) and the Unit for Landscape Modelling (ULM) at the University of Cambridge.

2004 UK (October) – Royal Commission on the Ancient and Historical Monuments of Wales aimed at cataloguing oblique aerial photography (<http://www.rcahmw.gov.uk/>).

2002 UK (July) – University of Cambridge (Committee for Aerial Photography, CUCAP) and University of Durham (Department of Archaeology, Department of Geography), Landscape Research Centre, York-West Heslerton, Royal Commission on the Ancient and Historical Monuments of Wales and English Heritage Aerial Survey Unit at Swindon and at York.

## RELEVANT MANAGERIAL EXPERIENCE

He has managerial experience in different fields, both public and private, and in different contexts, including Europe and Asia. In particular he has been involved in the following:

- From 2012 to 2015 he has been member of the Governing Board of the International Centre on Space Technologies for Natural and Cultural Heritage in Beijing, under the auspices of UNESCO and the Chinese Academy of Sciences.
- Delegate of the Rector for technology transfer to companies in the area of humanities and as coordinator for the Department of History and Cultural Heritage of the Erasmus+ exchange program.

For many years he has played a role in the management of European research projects and international associations. Indeed, from:

- 2015-ongoing: President of the Commission on Archaeological Prospection, UISPP (International Union for Prehistoric and Protohistoric Sciences, CHISP, UNESCO)
- 2013 he has been a member of the External Advisory Board of the Harvest4D Project Funded the by European Commission, EU, 7<sup>th</sup> FWP.
- 2011 to 2013 he was a member of the General Management Board of the pan-European project ArchaeoLandscapes Europe, 7<sup>th</sup> FWP.
- 2014 until the present he has been member of the Steering Committee Member and Editorial Board of the International Association Computer Application in Archaeology and in 2009 he was member of the Management Committee and Meetings Secretary of the international Aerial Archaeology Research Group (AARG).

**HE WAS FOUNDER MEMBER AND CEO (2009-2011) OF THE SPIN-OFF COMPANY ATS LTD (ARCHEO TECH&SURVEY) AT THE UNIVERSITY OF SIENA. HERE HE GAINED EXPERIENCE IN TECHNOLOGICAL TRANSFER. THE TURNOVER OF THE COMPANY IN THE PERIOD HE LED WAS APPROXIMATELY 2M €.**

He promoted, led and managed the BREBEMI project (BREBEMI=BREscia-BErgamo-Milan new motorway) aimed at implementing a completely new approach to Preventive Archaeology in Italy. The project (1.1 Million €) involved a team of 25 scientists all around Europe and was completed in about 80 working days.

**TODAY, THE COMPANY IS FULLY INDEPENDENT FROM THE UNIVERSITY OF SIENA, INVOLVING WORK UP TO 5 ARCHAEOLOGISTS.**

**UNDER HIS LEADERSHIP ATS LIMITED RECEIVED THE FOLLOWING AWARDS:**

- 2009: winner of the innovation award at the Scuola Superiore Sant'Anna (University of Pisa) and participated in the final stage of the national innovation award.
- 2010: Selected by CNR with other four spin-off companies to be promoted at international level.

He is president and administrator of the Asso Valley Landscape Archaeology Trust. This is a private foundation aimed at the promotion of archaeological research in the Siena countryside focusing on landscape archaeology studies, archaeological excavations, the site and material conservation and dissemination to the generic public. From 2008

the foundation raised and managed altogether approximately 600.000€ designing an archaeological park and android based software to guide tourists through the local archaeological landscape.

**All the management projects in which he has been involved have been successful in achieving their aims and all financial statements have been positive.**

## TECHNICAL SKILLS

- Operating system – Windows, OS X and mobile systems (android, IOS)
- GIS Software, mobile GIS e Image processing – Advanced experience of ArcGIS, Arcview, ArcPAD, Gsys, Qgis, ErMapper, ENVI, Erdas Imagine, AirPhoto.
- GNSS systems – Advanced experience managing dGPS rover devices, base station and survey software.
- Geophysical Software – Advanced experience Gsys, GEM, Surfer, GeoSoft.
- Image processing, 3D e Data Base – Advanced experience of Adobe Photoshop, Adobe ImageReady, Adobe Illustrator, Corel Draw, Nikon View, 3D Studio, Agisoft Photoscan, Bryce, FileMaker, Microsoft Access, Cumulus Desktop.
- Digital photography – Advanced experience in the use of full frame digital cameras from the ground and from the air.
- Drone-UAV system - Advanced experience in the development of UAV platform aimed to archaeological research: orthophoto map, 3D landscape documentation (DSM and DTM), 3D documentation of archaeological excavation.

## ORGANIZATION, SCIENTIFIC DIRECTION AND CHAIRING OF WORKSHOPS AND INTERNATIONAL SCHOOLS

- Digital Heritage 2018, 26-30 October, San Francisco, USA. Chairman of the Space2Place Symposia.
- University of Cassino, 17 May 2017: Mobility & Connectivity. Challenging paradigms and methodologies in Landscape Archaeology. Workshop.
- University of Cambridge, Faculty of Classics, 25-26 May 2016: ARCHAEOLOGICAL SURVEY AND THE MEDITERRANEAN COUNTRYSIDE. Empty spaces & Empty phases: research questions, scales and methods: <http://www.emptyscapes.org>
- 43<sup>rd</sup> CCA conference, University of Siena (Italy) KEEP THE REVOLUTION GOING – March-April 2015. In collaboration with ISTI-CNR Dr. R. Scopigno. The Computer Applications and Quantitative Methods in Archaeology (CAA) Annual Conference is the major event in the calendar for scholars, specialists and experts in the field of informatics application to archaeological scholarship: <http://caaconference.org/>
- V<sup>th</sup> 5th International Conference on Remote Sensing in Archaeology: The Age of Sensing, 13-15 October 2014, Duke University: <http://space2place.classicalstudies.duke.edu/>. In collaboration with Duke University Prof M.Forte.
- University of Siena (Italy), 6 July-15 July 2014 – Abitare la città: analisi di modalità alternative <http://www.scuolapermanenteabitare.org/>
- Siena May 26<sup>th</sup> to June 21<sup>st</sup> in collaboration with prof M.Forte, Duke University (NC-USA): Envisioning Digital and Invisible Landscapes in Italy.
- Marseille (Fr), Chair and co-organizer of the Digital Heritage International Congress 2013, 28 October-1 November: <http://www.digitalheritage2013.org/>
- University of Siena (Italy), 20-26 September 2013 – Summer School on Drones applied to Cultural Heritage and Archaeology.
- University of Siena (Italy), 29 July-4 August 2013 – Summer School on Sustainable Architecture: <http://summerschoolsienna.com/>
- University of Siena (Italy), 22-24 April 2013 – Principal organiser of an invited international expert seminar under the title MIND THE GAP! Absence, invisibility and emptiness. Problems of ambiguity in collecting and interpreting archaeological evidence: <http://www.archaeolandscapes.eu/index.php/en/outreach/conferences/337-arland-conference-qmind-the-gapq.html>
- University of Berkeley (USA), 8 December 2012 – From Space to Place, in collaboration with the University of California, Merced (USA), School of Social Sciences, Humanities and Arts (prof M.Forte); University of California, Berkeley (USA); University of Stanford (USA); University of Siena (Italy): <http://ecai.org/Activities/PNC2012/Space2PlaceWorkshop.html#S2Pprogram>
- Beijing (China), 24-26 October 2012 – Chinese Academy of Sciences, 4th International Conference on Remote Sensing in Archaeology (ICRSA4): <http://www.icrsa4.org/dct/page/1>
- Limmasol (Cyprus), 2 November 2012, Specialist workshop of the 4th International Euro-Mediterranean Conference: GIS Systems and Archaeological Spatial Data Infrastructures in Europe and Mediterranean Area:



- [http://www.euromed2012.eu/index.php/download\\_file/-/view/1604/](http://www.euromed2012.eu/index.php/download_file/-/view/1604/)
- Aquinum–Castrocielo (Frosinone, Italy) – Summer School in Geophysics and Aerial Photography for Archaeology, 13-19 June 2011, in collaboration with Prof G. Ceraudo (University of Salento) and Salvatore Piro (ITABC-CNR)
  - Grosseto (University of Siena, Italy) – 5th International Summer School on 3D Modeling in Archaeology and Cultural Heritage, 29 August-3 September 2011, in collaboration with Fabio Remondino (FBK-Trento): <http://www.archaeolandscapes.eu/index.php/news-a-events/42-events/143-4th-international-summer-school-on-q3d-modeling-in-archaeology-and-cultural-heritageq.html>
  - Cinigiano (Italy) – The Archaeology of Wine, in collaboration with A. Ciacci and A. Zifferero (University of Siena) and G. Di Pasquale (University of Naples)
  - Rome (Italy) Palazzo Massimo, Museo Nazionale Romano, Soprintendenza Speciale per i Beni Archeologici di Roma, MiBAC – workshop, 26 October 2010, Il sistema informativo Territoriale Archeologico di Roma, [http://www.beniculturali.it/mibac/export/MiBAC/sito-MiBAC/Contenuti/MibacUnif/Eventi/visualizza\\_asset.html\\_1197013867.html](http://www.beniculturali.it/mibac/export/MiBAC/sito-MiBAC/Contenuti/MibacUnif/Eventi/visualizza_asset.html_1197013867.html)
  - Certosa di Pontignano, University of Siena (Italy) – Annual Meeting of the Aerial Archaeology Research Group, 25-27 September 2009: [www.aarg2009.org](http://www.aarg2009.org).
  - Trento (Italy) – International Summer School, 15-18 June 2009. 3D Modeling in Archaeology and Cultural Heritage, in collaboration with the B. Kessler Foundation Centre for Scientific & Technological Research, Swiss Federal Institute of Technology (ETH) Zurich. Scientific Direction by S. Campana, F. Remondino and A. Gruen: [www.3darchaeology.org](http://www.3darchaeology.org)
  - Rome (Italy) – International Summer School, 8-13 June 2009, Geophysics for Archaeology: survey methods, data acquisition, post-processing and presentation in 2D and 3D, in collaboration with the National Research Institute for Technology Applied to Cultural Heritage. Scientific Direction: S. Campana, S. Piro: <http://grs-lab.itabc.cnr.it/>
  - Tiruchirappalli (India) – Third International Conference on Remote Sensing in Archaeology, 17-24 August 2009. Joint Organiser and Member of the Scientific Committee, [www.spacetimeplace.org](http://www.spacetimeplace.org)
  - Rome (Italy) – National Conference on Aerial Archaeology, 15-16 April 2009. Joint Organiser: <http://www.archeologiaaerea.it/>
  - Ascona (Switzerland) – International Summer School in Archeology, 9-14 May 2009. Scientific Direction by S. Campana, A. Gruen, M. Forte and F. Remondino: [www.3darchaeology.org](http://www.3darchaeology.org)
  - Rome (Italy) – 2<sup>nd</sup> International Conference on Remote Sensing Archaeology, 4-6 December 2006, in collaboration with R. Francovich and M. Forte: [www.fromspace2place.org](http://www.fromspace2place.org)
  - Grosseto (Italy) – 16<sup>th</sup> International Summer School in Archaeology, 27 November - 2 December 2006,, Exploring Archaeological Landscapes, in collaboration with R. Francovich and M. Forte.
  - Grosseto (Italy) – 15<sup>th</sup> International Summer School in Archaeology, 10-18 July 2006, Integrated Geophysical Prospection in Archaeology, in collaboration with R. Francovich and S. Piro (ITABC-CNR).
  - Grosseto (Italy) – 14<sup>th</sup> International Summer School in Archaeology, 30 May - 8 June 2006, Aerial Archaeology Research School: oblique photography and GIS based interpretation, in collaboration with R. Francovich.
  - Siena (Italy) – 1<sup>st</sup> National Workshop on Archaeological Landscapes and Digital Technologies: GPS & Laser Scanning, 3 March 2005, in collaboration with R. Francovich.
  - Siena (Italy) – 13<sup>th</sup> International Summer School in Archeology, 23-30 May 2001, Scientific Direction by R. H. Bewley, R. Francovich and S. Campana. Culture 2000 project: Aerial Archaeology Research School.
  - Siena (Italy) – Aerial Archaeology Workshop, From Traditional Air Photography and its uses to New Techniques using Satellite Data, 31 May - 2 June 2001, in collaboration with English Heritage, the University of Vienna, the University of Cambridge and the University of Durham.
  - Siena (Italy) – 11<sup>th</sup> International Summer School in Archaeology, Remote Sensing in Archaeology, 6-11 December 1999, Scientific Direction by R. Francovich and M. Forte; Scientific Secretariat S. Campana.

## PRINCIPAL PAPERS PRESENTED AT NATIONAL AND INTERNATIONAL WORKSHOPS, SEMINARS, CONFERENCES

### *Key-note presentations*

- 2020 – Trento, 22-24 October, University of Trento, Metrology for Archaeology and Cultural Heritage. Keynote talk: What's Next in Past Landscapes Studies? Drone-Based Platform a Killer Application in Archaeological Survey.
- 2020 – Trento, 30-31 January, University of Trento, Department of Classics. Closing keynote at PhD Archeodays: Emptyscapes: A new paradigm for the archaeology of Mediterranean landscapes.
- 2020 – Bamberg, 29 January, University of Bamberg, Institute of Archaeology, Heritage Sciences and Art History (IADK), special guest of the Archaeological Colloquium taking on: Emptyscapes, A new paradigm for the archaeology of Mediterranean landscapes.

- 2019 – San Paulo (Brazil), April 14-17, Brazilian Symposium on Remote Sensing. Keynote presentation: *Archaeology in the Age of Sensing*.
- 2017 – Toulouse 18-21 September – Institut Supérieur de l'Aéronautique et de l'Espace. Introductory keynote speech: *Drones in Archaeology*.
- 2017 - Chur, Switzerland, 22.23 June. Zum "digital turn" in der Schweizer Archäologie. Introductory keynote speech: *Archaeology in the Age of Sensing: Digital Methods and Remote Sensing in Archaeology.2017* (planned) – Chur, Switzerland, 22.23 June. Zum "digital turn" in der Schweizer Archäologie. Introductory keynote speech: *Archaeology in the Age of Sensing: Digital Methods and Remote Sensing in Archaeology*.
- 2016 - Ljubljana, 28th-29th October, Institute for the protection of cultural heritage of Slovenia, Center for preventive archaeology, workshop on (Re)thinking archaeological potential in preventive archaeology. Introductory keynote speech: *TOWARDS MAPPING THE ARCHAEOLOGICAL CONTINUUM – New perspectives and current limitations in Planning Led Archaeology in Italy*.
- 2016 - University of Paris Sorbonne, JIAP conference, 7-10 June: *Emptyscapes: Towards counternarratives of 'EMPTY' Mediterranean Landscapes?*
- 2016 - Belgian Academy at Rome, February 3<sup>rd</sup>-5<sup>th</sup>, 2nd International Conference of Aerial Archaeology: From Aerostats to Drones: Aerial Imagery in Archaeology. Opening talk: *Expanding the Boundaries of Aerial Archaeology: from Balloons to Drones*.
- 2015 - Warsaw, Poland The Institute of Archaeology and Ethnology, Polish Academy of Sciences, the Polish Center of Mediterranean Archaeology, University of Warsaw, the Copernicus Science Centre, 11<sup>th</sup> International Conference on Archaeological Prospection, 15–19 September 2015.
- 2015 - *Institutum Archaeologicum Germanicum* at Rome (18 June 2015): *EmptyScapes. Filling Empty Mediterranean Landscapes, mapping the archaeological continuum in rural and urban contexts*.
- 2015 - Computer Application and Quantitative Methods in Archaeology Eastern European Countries Joint Chapters (28-29 May 2015), conference opening talk: *Archaeologists and technologies: a controversial connection*.
- 2015 - Central European University at Budapest, New Digital Technologies and Hungarian Innovations in Heritage Management – Archaeology, Historical Landscape and Built Heritage (6-7 February 2015), title of the talk: *Mediterranean contexts and Total Archaeology. Why do we need it?*
- 2014 - University of Bucharest, (5 June 2014), Keynote presentation: *UAV for archaeological purposes: an overview*.
- 2013 - Chinese Academy of Science, Campus of RADI, Sanya City China. Academic Seminar on Space Technologies for World Heritage (9 December 2013). Keynote presentation: *Geophysical Prospection a New Area for HIST*.
- 2013 - Zaragoza (Spain), workshop on Aplicaciones De Los UAV para usos, agrícolas, ambientales y arqueológicos, Politécnica Superior de Huesca – (7-8 November 2013), Keynote presentation: *Cartografía de Patrimonio Cultural y Arqueología con UAV*.
- 2012 - Beijing (China) – Chinese Academy of Sciences (CAS), UNESCO, State Administration of Cultural Heritage of China, Ministry of Housing and Urban-Rural Development of China (MOHURD), National Natural Science Foundation of China (NSFC) and hosted by the International Centre on Space Technologies for Natural and Cultural Heritage (HIST) (October 24-26 2012). IV<sup>th</sup> International Conference on Remote Sensing in Archaeology, keynote presentation at the official opening of the conference: *Past, Present and Future of Remote Sensing: an explicitly archaeological and European perspective*.
- 2011 - Beijing (China), University of Beijing – 39th Annual Conference on Computer Applications and Quantitative Methods in Archaeology, REVIVE THE PAST, (April 12-16, 2011), keynote address at the official opening of the conference, Remote Sensing Technologies in Cultural Heritage Recording. An Explicitly European Perspective.
- 2010 - Reykjavik (Iceland) – EAC Symposium on Remote Sensing for Archaeological Heritage Management in the 21<sup>st</sup> century, (25-27 March 2010), keynote presentation: *Total Archaeology and the Challenge of Rescue Archaeology: the BREBEMI Project*.
- 2007 - Kingston upon Hull (UK) – University of Hull (12 December 2007), International Workshop on aerial archaeology, computer visualization and past landscapes, keynote presentation: Total landscape survey and the potential of computer visualization as a tool for analysis and presentation, key-note: *Filling the Void: unrealistic dream or achievable reality?*

***Presentations (invited speaker) and session chairing***

Participation since 2001 in more than 100 international and 50 national conferences, including the following:

- University of Groningen, 29-30 November 2019. 38<sup>th</sup> International Mediterranean Survey Workshop. Talk title: *Emptyscapes: a new paradigm for the archaeology of Mediterranean landscapes?*
- VU University of Amsterdam and CLUE+, 16-17 October 2019. International Workshop Archaeology in the city.

Talk title: Some thoughts on current trends and future perspective in the archaeology of former urban contexts and historical urban landscapes in the Mediterranean world.

- Trento. Bruno Kessler Foundation. 25 September 2019. Workshop organized by VirtualArch Intereg Central Europe: Visualize to Valorize – For a better utilization of hidden archaeological heritage in Central Europe. Talk title: What's next in past landscapes studies? Droning archaeology.
- MediTo International Conference organized by the University of Buffalo (USA). Talk title: Paesaggi agrari, funerari, insediamenti e infrastrutture nell'ager Rosellanus tra tarda antichità e medioevo.
- Jagiellonian University in Krakow. 23-27 April 2019. 47<sup>th</sup> Computer Applications and Quantitative Methods in Archaeology Conference (CAA 2019). Session organizer and chairman: Taking your GIS onto the field. 'How'-s and 'Why'-s of future survey.
- The State Hermitage Museum (Saint-Petersburg Russian Federation), Automation directions in Museums and Information Technologies (ADIT), Chairman of the 3rd International Conference on Virtual Archaeology (VA2018-SPb) May 28 -30, 2018.
- University of Modena & Reggio Emilia. 14th Conference of Environmental Archaeology 2018, 26-28 February, Human and environmental sustainability: Lessons from the past ecosystems of Europe and Northern Africa. Talk title: EMPTYSAPES: Towards Filling Gaps in Mediterranean Landscape Archaeology.
- University of Oxford, Aerial Archaeology in Europe and the Middle East: Past, Present and Future, June 18 2016: Approaches to Aerial Archaeology in Italy.
- University of Paris Sorbonne, 10 June 2016: Round table on rescue archaeology and development led archaeology.
- University of Cambridge, McDonald Institute for Archaeological Research, 18-19 May 2016. Seminar on Ancient topography, landscape archaeology and human landscape. Workshop on the different perspectives in the study of the ancient (urban) space. Talk title: Some thoughts on current trends in archaeology of urban sites and rural landscapes in the Mediterranean world.
- Royal Society of Edinburgh (University of York and Royal Commission on the Ancient and Historical Monuments of Scotland), Orkney 12-15 March 2016, Land marks: the future of integrated landscape research.
- University of Cambridge (UK), 25-27 September 2015, Craft and Production in the European Iron Age, Magdalene College and the McDonald Institute. Session chairman.
- 43<sup>rd</sup> CAA, KEEP THE REVOLUTION GOING 2015, University of Siena (Italy), The Sitan project in the Province of Grosseto: a web-gis for landscape archaeology (with M. Sordini).
- 43<sup>rd</sup> CAA, KEEP THE REVOLUTION GOING 2015, University of Siena (Italy), LONG WALKS IN THE ITALIAN COUNTRYSIDE Large –scale geophysical prospection in rural and once -urban contexts in central Italy (with K. Saito and B. Frezza).
- 43<sup>rd</sup> CAA, KEEP THE REVOLUTION GOING 2015, University of Siena (Italy), UAV mapping of archaeological contexts (with F. Pericci and M. Sordini).
- 43<sup>rd</sup> CAA, KEEP THE REVOLUTION GOING 2015, University of Siena (Italy), 3D recording of archaeological excavation: the case of study of Santa Marta, Tuscany, Italy (with M. Sordini, F. Brogi).
- Georg August University-Göttingen and University of Palermo, Survey-Archäologie: Naturwissenschaftlich-technische versus historische Methode in Italien und Deutschland, 30 march-2 April 2015: EmptyScapes. Filling Empty Mediterranean Landscapes, mapping the archaeological continuum in rural and urban contexts.
- University of Frankfurt, 24-26 February 2015, From Arcland to EmptyScapes: Filling 'empty' landscapes, mapping the archaeological continuum.
- University of Cambridge (UK), 3<sup>rd</sup> February 2015, Seminar of the Faculty of Classics: EmptyScapes: Filling 'empty' landscapes, mapping the archaeological continuum.
- Duke University-USA NC, 13-15 October 2014, V<sup>th</sup> 5th International Conference on Remote Sensing in Archaeology: The Age of Sensing (<http://space2place.classicalstudies.duke.edu/>), title of the talk: A long walk in the Italian countryside...
- University of Sassari, dept. of Humanities and dept. of Architecture, Design and Urban Planning organize the Workshop on Landscape Archaeology in Sardinia: "Point Line Surface. Confronting landscapes" Tresnuraghes (OR), 14 June 2014, talk title: Dalla Carta Archeologica della Toscana ad Emptyscapes: cosa cambia per la ricerca e la pianificazione del territorio?
- Royal Netherlands Institute in Rome, 28<sup>th</sup> May 2014, Symposium Archaeology from the Sky: EmptyScapes: Filling 'empty' landscapes, mapping the archaeological continuum.
- Duke University & University of Siena, May 25<sup>th</sup> - June 21<sup>st</sup> 2014, International Summer School Envisioning Digital and Invisible Landscapes in Italy: Basics of Landscape Archaeology Methodology.
- Chinese Academy of Sciences, Sanya campus of RADI, Sanya City, Hainan, China, Academic Seminar on Space Technologies for Heritage, 9 December 2013: Geophysical prospection a new area for HIST.
- Duke University and University of North Carolina (USA) – November 19<sup>th</sup> 2013, Duke in Tuscany initiative,

- presentation of the research and summer school project: Envisioning Digital and Invisible Landscapes in Italy.
- Marseille - Digital Heritage International Congress 2013, 28 October-1 November (<http://www.digitalheritage2013.org/>): 4D Surveys at Çatalhöyük (Turkey): Mag, sa-GPR & hr-GPR, laserscanning.
  - University of Sassari, workshop "SITAN IL «POLO» SARDO DELLA RETE NAZIONALE", Saturday 8 June 2013. Title: Sistema Informativo Territoriale Archeologico Nazionale: stato dell'arte.
  - University of Siena (April 22-24, 2013) – International debate on ABSENCE, INVISIBILITY AND EMPTINESS in the interpretation of archaeological and landscape evidence. Title: Invisibility and Emptiness in Landscape Archaeology: An Italian Perspective.
  - University of Ghent (Belgium) -, NON-DESTRUCTIVE APPROACHES TO COMPLEX ARCHAEOLOGICAL SITES IN EUROPE: A ROUND-UP (January 15-17th - 2013). Title: Exploring the archaeological continuum. New perspectives and current limitations in large scale geophysical prospection in Mediterranean landscapes.
  - Berkeley (USA) – From Space to Place, University of California Berkeley, December 10, 2012; Joint Meeting of the 2012 PNC Annual Conference (7-10 December 2012). Title: First Thoughts on the Impact of Remote Sensing in Mediterranean Landscape Archaeology.
  - Chinese Academy of Sciences (CAS), Beijing (China), IV<sup>th</sup> International Conference on Remote Sensing in Archaeology (24-26 October 2012). Title: Networking Remote Sensing in Archaeology: Fostering Methods and Knowledge in Europe and Beyond.
  - CNR Rome (Italy) – I Beni che Perdiamo. Alzare il livello della conoscenza per la conservazione e la sicurezza dei beni culturali, (June 12-13 2012). Title: Ricerche sistematiche e tecnologie avanzate per la conoscenza del territorio: applicazioni in Toscana e Lombardia.
  - University of Naples l'Orientale (Italy) – Archeologia Preventiva tra modelli matematico-statistici e "intuito" (May 31, 2012). Title: Archeologia preventiva o Archeologia di emergenza? Il progetto BREBEMI e altri tentativi di pianificazione territoriale: considerazioni e prospettive.
  - Universidad Complutense de Madrid, Menorca (Spain) – First International Conference on Best Practices In World Heritage Archaeology (9-13 April 2012). Title: 20 years of research in the Val d'Orcia world heritage site: public communication and the ARCHEOSPOT@ project.
  - Universidad Complutense de Madrid, Menorca (Spain) – First International Conference on Best Practices In World Heritage Archaeology (9-13 April 2012). Title: Archaeological Impact Assessment vs. Rescue Archaeology: The BREBEMI Project (Italy).
  - CNR Rome (Italy), Palazzo Massimo, Museo Nazionale Romano, Soprintendenza Speciale per i Beni Archeologici di Roma, MiBAC, Giornata di Studio: Il sistema informativo Territoriale Archeologico di Roma. Potenziale archeologico, pianificazione, territoriale e rappresentazione pubblica dei dati (9 novembre 2011). Title: La standardizzazione dei dati (Commissione SITAN) (con G. Azzena, P.Carafa).
  - University of Bologna (Italy) – Il mestiere dell'archeologo. Vivere di archeologia: quali prospettive, quali professionalità. Discussant at the round table.
  - University of Poznan (Poland) – International conference, AMBITIONS AND REALITIES. Remote Sensing for Archaeology, Research and Conservation (21-24 September 2011), organized by the Aerial Archaeology Research Group and the European Association of Remote Sensing Laboratories. Title: The use of "aerial" information in future approaches to archeologia preventiva in Italy.
  - Western Michigan University, (Michigan-USA), Kalamazoo – 46th International Congress on Medieval Studies (May 12-15, 2011). Title: Patterns of rural settlement and parish churches in the Orcia Valley (Italy): 4th century - 12th centuries.
  - Merida Institute of Archaeology (Spain) – International Mediterranean Survey Workshop, (29-30 April, 2011). Title: Archaeological Impact Assessment: the BREBEMI project (Italy).
  - University of Beijing (China), 39<sup>th</sup> Annual Conference on Computer Applications and Quantitative Methods in Archaeology, REVIVE THE PAST (12-16 April 2011). Opening of the conference key-note presentation: Remote sensing technologies in cultural heritage recording. An Explicitly European Perspective.
  - University of Beijing (China), 39<sup>th</sup> Annual Conference on Computer Applications and Quantitative Methods in Archaeology, REVIVE THE PAST, (12-16 April 2011). Title: Archaeological Impact Assessment vs Rescue Archaeology: the BREBEMI project (Italy).
  - Soprintendenza Speciale per i Beni Archeologici di Roma, MiBAC, Rome (Italy) – Giornata di Studio: Il sistema informativo Territoriale Archeologico di Roma (26 ottobre 2010). Title: Una "logica" prospettiva (con M. Serlorenzi, G. Azzena).
  - EAC Symposium, Reykjavik (Iceland), Remote Sensing for Archaeological Heritage Management in the 21<sup>st</sup> century, (25-27 March 2010). Title: Total Archaeology and the Challenge of Rescue Archaeology: the BREBEMI Project.
  - University of Rome "La Sapienza"-ITABC CNR Rome (Italy) – Palazzo Massimo, Geofisica per l'Archeologia.

Possibilità e Limiti (11 December 2008). Title: Il contributo della geofisica estensiva (intra e inter-site) per la conoscenza dei paesaggi archeologici.

- CNR Rome (Italy), (October 2008) 1<sup>st</sup> EARSeL International Workshop on Advances in Remote Sensing for Archaeology and Cultural Heritage Management. Title 1: Integration of Remote Sensing, Geophysical Survey and Archaeological Excavation for the study of a Medieval Motte (Tuscany-Italy), with M. Dabas (University of Paris VI), L. Marasco (University of Siena), S. Piro (ITABC-CNR) and D. Zamuner (ITABC-CNR). Title 2: Detailed 3D documentation of historical buildings: integrating images and range-data, with F. Remondino (Swiss Federal Institute of Technology, Zurich).
- University of Ljubljana (Slovenia) – International Conference of the Aerial Archaeology Research Group (9-11 September 2007). Chairman of the session on Total Archaeology.
- University of Castilla (Spain) –, 15<sup>th</sup> International Congress on Christian Archaeology, session on Episcopus, Ciuitas, Territorium (8-12 September 2008). Presentation on Baptisterium Sancti Petri in Pava: indagini archeologiche su una pieve scomparsa e sul suo territorio.
- University of Leeds (UK) – (7-10 July 2008). Presentation on Patterns and Forms of Rural Settlement in the Orcia Valley from the 4<sup>th</sup> Century to the 12<sup>th</sup> Century.
- National Museum of Copenhagen. Annual meeting of the Aerial Archaeology Research Group (25-27 September 2007).
- University of Zadar (Croatia) – 13<sup>th</sup> EAA Annual Meeting (18-23 September 2007). Presentation on From space to place or from site to landscape? Mind the gap.
- Nitra (Slovakia) – 7<sup>th</sup> International Conference on Archaeological Prospection (1-15 September 2007). Presentation on Fluxgate, overhouser and caesium-magnetometry for archaeological prospection at Roselle-Aiali (Italy).
- Bolzano (Italy) – 27<sup>th</sup> European Association of Remote Sensing Laboratories (EARSeL) Symposium: Geoinformation in Europe (4-7 June 2007). Presentation on Mapping the Tuscan Archaeological Heritage: methods, leading edge technologies, communication and results.
- University of Siena (Italy) – Hidden Landscapes of Mediterranean Europe. Cultural and methodological biases in pre- and protohistoric landscape studies (25-27 May 2007). Presentation on Mapping the Cultural Heritage in Tuscany. From the regional scale to the individual site ... What have we lost in between?
- Berlin (Germany) – Computer Applications and Quantitative Methods in Archaeology (April 2007). Presentation on Fast and detailed digital documentation of archaeological excavations and heritage object, with F. Remondino (Swiss Federal Institute of Technology, Zurich)
- CNR Rome (Italy) – 2<sup>nd</sup> International Conference on Remote Sensing Archaeology (4-7 December 2006). Presentation on From Space to Place: the Aiali project (Tuscany-Italy),, with C. Felici, M. Ghisleni and S. Piro.
- University of Bath UK (11-13 September 2006). Annual meeting of the Aerial Archaeology Research Group. Presentation on The e-LandscapesCentre. European Centre for Archaeology and Landscape Studies through Remote Sensing.
- CNR Rome (Italy) – 6<sup>th</sup> International Conference on Archaeological Prospection (14-17 September, 2005). Presentation on Large scale magnetic survey and archaeological mapping: the Grosseto and Siena projects.
- Swiss Federal Institute of Technology (Switzerland), International Workshop on Recording, Modeling and Visualization of Cultural Heritage (22-27 May 2005). Presentation on Seeing the Unseen. Buried archaeological landscapes in Tuscany.
- British School at Rome (Italy), International Conference on Aerial Archaeology. Chairman of the session on Aerial Archaeology: Responding to Differing Landscapes., and presentation on The strategy of the Laboratory of landscape archaeology and remote sensing of the University of Siena for the study of Tuscany: data integration and mapping.
- University of California Berkeley (USA). 3<sup>rd</sup> Italy-USA Workshop, Beyond GIS: Mindscapes, VR and Cultural Landscapes (7-10 May 2004). Presentation on Bridging Remote GIS Environment and Fieldwork: coherence, efficiency and new perspectives through the use of mobile GIS technology.
- Zaragoza (Spain) – 35<sup>th</sup> International Symposium on Archaeometry (3-7 May 2004). Presentation on Integrated archaeological interpretation of multistage remote/proximal sensing techniques and traditional field survey to the knowledge of settlement pattern in south Tuscany.
- CNR Rome (Italy), 2<sup>nd</sup> Italy-USA Workshop, The reconstruction of archaeological landscapes through digital technologies (3-5 November 2003). Presentation on Multistage remote sensing techniques and traditional field survey in the study of archaeological landscapes. Case studies in Tuscany.
- Heraklion (Greece) – International Conference on Computer Applications and Quantitative Methods in Archaeology (2-6 April 2002). Presentation on The use of Ikonos multispectral satellite imagery in the study of the landscape: a multi-methodological approach.
- University of Boston (MA-USA), – International Conference on The Reconstruction of Archaeological Landscapes

through Digital Technologies (1-3 November 2001). Presentation on Landscape archaeological prospection in Tuscany: research methods, settlement patterns and cultural resource management.

- Berlin University - International Conference on Conservation through Aerial Archaeology (22-24 November 2001). Presentation on The Culture 2000 training project in Italy. Images and locations, preliminary results.

## SCIENTIFIC PUBLICATIONS

I have published 4 monographs (with 2 more in preparation), edited 10 books, 120 articles in peer-reviewed journals, books and conference proceedings (with 9 more in preparation). My book - *In volo nel passato* - has been translated into English and my paper in the Encyclopedia of Geoarchaeology of Springer has been translated into Arabic and Kurdish.

**Scopus Citations: Index H 9, Documents 40, Citations 272 - Google Scholar Citations: total 2017, Index H 25**

## Monograph BOOKS

- 1 CAMPANA S., 2018. Mapping the Archaeological continuum. Filling 'empty' Mediterranean Landscapes. New York: Springer.
- 2 CAMPANA S., 2013. Carta Archeologica della Provincia di Siena. Montalcino, vol. 12, Siena: Nuova Immagine Editrice, pp.311.
- 3 CAMPANA S., Musson C., Palmer R. 2005. *In volo nel passato*. Aerofotografia e cartografia archeologica, Firenze: All'Insegna del Giglio, pp.327.
- 4 CAMPANA S., 2001. Carta Archeologica della Provincia di Siena. Murlo, vol. 5, Siena: Nuova Immagine Editrice, pp.336.

## Edited BOOKS

- 4 M. Dabas, S. CAMPANA & A. Sarris (eds.), Mapping the Past From sampling sites and landscapes to exploring the 'archaeological continuum'. Proceedings of the XVIII UISPP World Congress (4-9 June 2018, Paris, France) Volume 8. Session VIII-1
- 5 CAMPANA S. & M. Forte (eds.) 2017. Digital Methods and Remote Sensing in Archaeology. Archaeology in the Age of Sensing, New York, Springer (<http://www.springer.com/us/book/9783319406565>).
- 6 CAMPANA S., R. Scopigno, G. Carpentiero & M. Cirillo (eds.) 2016. *CAA 2015 Keep the Revolution Going*. Proceedings of the 43<sup>rd</sup> CAA, 30 March-2 April 2015, Siena-Italy. Oxford: Archaeopress Publishing, ISBN 9781784913373. Available in open-access ISBN 9781784913380, e-PDF: <http://www.archaeopress.com/Public/download.asp?id={77DEDD4E-DE8F-43A4-B115-ABE0BB038DA7}>
- 7 CAMPANA S., Remondino F. 2014, 3D survey and modeling in archaeology and cultural heritage. Theory and best practices, BAR international series Oxford.
- 8 CAMPANA S., Remondino F. (guest editors). 2013, GIS in Cultural Heritage documentation, The International Journal of Heritage in the Digital Era (IJHDE: <http://www.multi-science.co.uk/ijhde.htm>), Special Issue.
- 9 CAMPANA S., Forte M., Liuzza C., 2010, Space, Time, Place, Proceeding of the III<sup>rd</sup> International Conference on Remote Sensing Archaeology, Tiruchirapalli, India (August 17-22, 2009), Archaeopress BAR INTERNATIONAL SERIES, Oxford.
- 10 CAMPANA S., Piro S. 2009, Seeing the Unseen. Geophysics and Landscape Archaeology, London, pp.331.
- 11 CAMPANA S., Felici C., Francovich R., Gabbriellini F. 2008, Chiese e insediamenti nei secoli di formazione dei paesaggi medievali della Toscana (V- X secolo), proceedings of the conference (10-11 November 2006, San Giovanni d'Asso), All'Insegna del Giglio, Firenze, pp.441.
- 12 CAMPANA S., Forte M. 2006, From Space to Place, Proceeding of the II<sup>nd</sup> International Conference Remote Sensing Archaeology, Rome (4-7 December 2006), Archaeopress BAR INTERNATIONAL SERIES, Oxford, pp.579.
- 13 CAMPANA S., Francovich R. 2006, Laser scanner e GPS: paesaggi archeologici e tecnologie digitali 1, proceedings of the workshop, 3 marzo 2005 Grosseto, All'Insegna del Giglio, Firenze, pp.341.
- 14 CAMPANA S., Forte M. 2001, Remote Sensing in Archaeology, proceedings of the XI International School in Archaeology, (Certosa di Pontignano, 6-11 dicembre 1999), All'Insegna del Giglio, Firenze, pp.354.

**BOOK and PAPER translations****Italian-English**

- 15 CAMPANA S., Musson C., Palmer R. 2013, FLIGHTS INTO THE PAST Aerial photography, photo interpretation and mapping for archaeology, Occasional Publication No. 4 of the Aerial Archaeology Research Group in partnership with the ArchaeoLandscapes Europe (ArcLand) Project of the European Union. Il libro è la traduzione inglese della pubblicazione numero 2. CAMPANA S., Musson C., Palmer R. 2005, In volo nel passato. Aerofotografia e cartografia archeologica, All'Insegna del Giglio, Firenze, pp.327.

**English-Arabic**

- 16 CAMPANA S., Traduzione dall'inglese all'arabo dell'articolo CAMPANA S. 2016, Archaeology, Remote Sensing. In Gilbert A.S., (ed). Encyclopedia of Geoarchaeology. Springer Dordrecht, Heidelberg, New York, London: 703-724. <https://geo-house.info/wp-content/uploads/2019/11/علم-في-بعد-عن-الاستشعار-تطبيقات-الأثار.pdf>

**English-Kurdish**

- CAMPANA S., ههستهوهره دووردهكان له شوینهواردا Traduzione dall'inglese all'arabo dell'articolo CAMPANA S. 2016, Archaeology, Remote Sensing. In Gilbert A.S., (ed). Encyclopedia of Geoarchaeology. Springer Dordrecht, Heidelberg, New York, London: 703-724.

**Peer-review papers**

- 17 K. Strutt, S. CAMPANA, J. Ogden, G. Catanzariti, G. Morelli, 2020. Integrating Magnetic and GPR Survey At Çatalhöyük, Journal of Near Eastern Archaeology, vol: 83 issue 2, June.pp. 80-87. doi.org/10.1086/709177.
- 18 CAMPANA S. 2017. Emptyscapes: filling an 'empty' Mediterranean landscape at Rusellae, Italy. Antiquity, Vol: 91, Issue: 359, October, pp. 1223–1240.
- 19 CAMPANA S. 2017. Drones in Archaeology. State-of-the-Art and Perspectives, International Journal of Archaeological Prospection: DOI: 10.1002/arp.1569.
- 20 CAMPANA S., 2017. Vers l'implémentation de la cartographie du continuum archéologique. Nouvelles perspectives et limites actuelles de l'archéologie préventive en Italie. Archéologies numériques, 1(2), 1-14. <https://www.openscience.fr/Vers-l-implémentation-de-la-cartographie-du-continuum-archeologique-Nouvelles>
- 21 Felici C., CAMPANA S., Fiocchi Nicolai V., Spera L., Morelli G. 2016. *Il comprensorio della catacomba di San Callisto tra la via Appia e la via Ardeatina (Roma) alla luce delle indagini geofisiche estensive*, Archeologia e Calcolatori, pp.227-250.
- 22 CAMPANA S., L. Lai, M. Sordini, L. Usai & F. Condò, 2015. 4D recording and analysis: The case study of Nuraghe Oes (Giave, Sardinia). *International Journal of Digital Applications in Archaeology and Cultural Heritage*: 2,4. pp.233-39.
- 23 CAMPANA S., Mozzi P., Fontana A., Ninfo A., Ferrarese F. Francese R., 2015, The Roman City of Altinum, Venice Lagoon, from Remote Sensing and Geophysical Prospection. *International Journal of Archaeological Prospection*: DOI: 10.1002/arp.1520.
- 24 CAMPANA S., Hodges R., Hobart M. 2012, Monasteri contesi nella Tuscia Longobarda: il caso di San Pietro ad Asso, Montalcino (Siena), Archeologia Medievale, XXXIX, pp. 175-213.
- 25 CAMPANA S., Bacci M., Bianchi G., Fichera A. 2012, Historical and Archaeological Analysis of the Church of the Nativity, JOURNAL OF CULTURAL HERITAGE, ISSN 1296-2074, pp. 305-326.
- 26 CAMPANA S., Ricci P., Mongelli V., Vitiello A., Sirignano C., Rubino M., Fornaciari G., Lubritto C. 2012, The privileged burial of the Pava Pieve (Siena, 8<sup>th</sup> Century AD), in Rapid Communications in Mass Spectrometry, 26, pp. 2393-2398, DOI: 10.1002/rcm.6302.
- 27 CAMPANA S., 2012, Geofisica estensiva e continua. Verso un nuovo livello analitico per l'archeologia? in Archeologia Aerea, 4/5, pp.239-249.
- 28 CAMPANA S., Bianchi G., Fichera A., Lai L., Sordini M. 2012, 3D recording and total archaeology: from landscapes to historical buildings, International Journal of Heritage in the Digital Era, MultiScience, ISSN 2047-4970, pp.443-460.
- 29 CAMPANA S., PIRO S. 2012, GPR investigation in different archaeological sites in Tuscany. Analysis and comparison of the obtained results, International Journal Near Surface Geophysics (EAGE), 12: pp.47-56.
- 30 CAMPANA S., Dabas M. 2011, Archaeological Impact Assessment: The BREBEMI Project (Italy), special issue, Geophysical investigations for Archaeological Prospection, International Journal of Archaeological Prospection, DOI: 10.1002/arp.407.

- 31 CAMPANA S., F. Brogi, C. FELICI, B. Frezza, L. Marasco, F. Pericci, M. Sordini, 2009, Scavo archeologico della pieve e del cimitero di Pava, aggiornamento alla V campagna anno 2008, pubblicazione digitale sulla rivista: Journal of Fasti Online, <http://www.fastionline.org>.
- 32 CAMPANA S., Marasco L., Dabas M., Piro S., Zamuner D., 2009, Integration of remote sensing, geophysical surveys and archaeological excavation for the study of a medieval mound (Tuscany-Italy), Journal of Archaeological Prospection. DOI: 10.1002/arp.366.
- 33 CAMPANA S., Felici C., Marasco L. 2007, Indagini archeologiche sul sito della pieve di Pava (SI). Campagna 2006, "Archeologia Medievale", Firenze, pp.69-77.
- 34 CAMPANA S., Francovich R. 2007, Progetto Ricognizione Archeologica Aerea della Toscana, in Archeologia Aerea. Studi di Aerotopografia Archeologica, 2, Istituto Poligrafico e Zecca dello Stato, Roma, pp.135-152.
- 35 CAMPANA S., Frezza B., Ghisleni M., Vaccaro E. 2005, Il popolamento tardoromano e altomedievale nella bassa valle dell'Ombrone. Progetto Carta Archeologica della Provincia di Grosseto, "Archeologia Medievale", All'Insegna del Giglio, Firenze, pp.461-480.
- 36 CAMPANA S. 2005, Tecnologie GPS e Personal Data Assistant applicate all'archeologia dei paesaggi, Archeologia e Calcolatori, 2005, All'Insegna del Giglio, Firenze, pp.62-82.
- 37 CAMPANA S., Francovich R., Felici C., Marasco L., Lubritto C., Pecci A., Viglietti C. 2005, Progetto Pava: indagini territoriali, diagnostica e prima campagna di scavo, "Archeologia Medievale", All'Insegna del Giglio, Firenze pp.97-112.
- 38 CAMPANA S. 2004, Le immagini da satellite nell'indagine archeologica: stato dell'arte, casi di studio, prospettive, in Archeologia Aerea. Studi di Aerotopografia Archeologica, 1, Istituto Poligrafico e Zecca dello Stato, Roma, pp.279-299.

### Book chapters

- 39 CAMPANA, S., 2020, Drone-Based Imaging in Archaeology. Current applications and future prospects. In D.R. Green, B.J. Gregory, A. Karachok (eds.), Unmanned Aerial Remote Sensing: UAS for Environmental Applications, CRS press Taylor & Francis, pp. 217-238.
- 40 CAMPANA, S. 2019. Prime note per una diagnostica archeologica. In Piccini G., Nascita e morte di un quartiere medievale. Siena e il borgo nuovo di Santa Maria a cavallo della peste del 1348. Pacini editore, Pisa, pp.115-121.
- 41 CAMPANA, S. 2019. Filling gaps in space and time at Veii. 'Emptyscapes' project. In J. Tabolli. Veii – An Etruscan City. University of Texas Press.
- 42 CAMPANA S., 2017. Sensing Ruralscapes. Third-Wave Archaeological Survey in the Mediterranean Area, in M. Forte & S. Campana (eds.) Archaeology in the Age of Sensing. New York: Springer, pp.113-145.
- 43 CAMPANA S., 2018. Archéologie préventive en Italie. Monnaies et archéologie en Europe celtique. Mélanges en l'honneur de Katherine GRUEL.
- 44 CAMPANA S., Saito K., Cianciosi A, 2018, Geophysical survey at Jesolo: interim report, in Gelichi S., Cadamuro S., Cianciosi A. (Eds.) In Limine. Storie di una comunità ai margini della laguna, All'Insegna del Giglio Firenze, pp.16-19.
- 45 CAMPANA S., 2016. Towards mapping the archaeological *continuum*. New perspectives and current limitations in Planning Led Archaeology in Italy. In "Preventive Archaeology". Urban sites and landscapes" (Ravenna 1-12 July 2013), pp.27-40.
- 46 CAMPANA S., 2014, 3D modeling in archaeology and cultural heritage. Theory and best practice, in Campana S., Remondino F., 3D survey and modeling in archaeology and cultural heritage. Theory and best practices, BAR international series Oxford.
- 47 CAMPANA S. 2009, Archaeological Site Detection and Mapping: some thoughts on differing scales of detail and archaeological 'non-visibility', in Campana S., Piro S., Seeing the unseen. Geophysics and Landscape Archaeology, Proceeding of the XV<sup>th</sup> International Summer School, Taylor&Francis, pp.5-26.
- 48 CAMPANA S., Francovich R. 2007, Understanding archaeological landscapes: steps towards an improved integration of survey methods in the reconstruction of subsurface sites in South Tuscany, in Remote Sensing in Archaeology, J. Wiseman e F. El Baz (eds.), Springer, Boston MA, pp.239-261.
- 49 CAMPANA S., Francovich R. 2006, Seeing the Unseen. Buried Archaeological Landscapes In Tuscany, in Recording, Modeling, and Visualization of Cultural Heritage, edited by Baltsavias E., Gruen A., Van Gool L.,



Pateraki M., Taylor&Francis, The Netherlands, pp.67-76.

## Enciclopedia

- 50 CAMPANA S. 2016, Archaeology, Remote Sensing. In Gilbert A.S., (ed). Encyclopedia of Geoarchaeology. Springer Dordrecht, Heidelberg, New York, London: 703-724.

## Book review

- 51 CAMPANA S., recensione del volume RACHEL OPITZ, MARCELLO MOGETTA & NICOLA TERRENATO (ed.) A Mid-Republican house from Gabii. Ann Arbor: University of Michigan Press. 978-0-472-99900-2, doi: 10.3998/mpub.9231782 in *Antiquity*, Vol: 91, Issue: 359, October 2017, pp. 1396–1397.

## Conference proceeding papers

- 52 CAMPANA S., 2020, Establishing meanings, roles and limits of 'archaeological continuum' paradigms, M. Dabas, S. Campana and A. Sarris (eds.), Mapping the Past From sampling sites and landscapes to exploring the 'archaeological continuum'. Proceedings of the XVIII UISPP World Congress (4-9 June 2018, Paris, France) Volume 8, Session VIII-1.
- 53 CAMPANA S., 2020, Archaeology of former and historical urban landscapes in the Mediterranean world: current trends and future perspectives, in G. Burgers, L. Cicala, G. Illiano, M. Quagliuolo (a cura di), Archaeology in city. Proceedings of the International Workshop, Amsterdam 16-17 October 2019, Archeologie. Temi, contesti, materiali. 2, (a cura di L. Cicala e M. Pacciarelli), Collana del Centro Interdipartimentale di Studi per la Magna Grecia, Università degli Studi di Napoli Federico II, Pozzuoli, Naus editoria.
- 54 CAMPANA S., Vaccaro E., Buonopane A., 2019, *Santa Marta (Cinigiano, GR). I balnea presso il sito romano e tardoantico*. Atti del Seminario Internazionale di Studio Roma, 4-5 ottobre 2018, Le terme pubbliche nell'Italia romana (II secolo a.C. – fine IV d.C.). Architettura, tecnologia e società, M. Medri, A. Pizzo (Eds.), Edizioni Roma TrE-Press Roma, pp., ISBN 978-88-32136-86-9
- 55 CAMPANA S., Gabbrielli F., 2019. Au-dessous de la ville de Hourlier: relevés géoradar sur la place du Campo. In, J.P. Péneau et P. Quintrand, *Figurations de la Cité*, Paris, pp.69-73. ISBN 978-2-906741-14-0
- 56 CAMPANA S., Saito K., 2018. Emptyscapes: filling an 'empty' Mediterranean landscape mapping the archaeological continuum. In Florenzano A., Montecchi M. C., Rinaldi R. (eds.), *Humans and Environmental sustainability: Lessons from the past ecosystems of Europe and Northern Africa*. 14<sup>th</sup> Conference of Environmental Archaeology 2018, Modena, 26-28 February 2018, pp. 8-15.
- 57 CAMPANA S., 2017. Empty Spaces and Empty Phases within Mediterranean Landscapes: The 'Emptyscapes' project. In Belvedere, O., & Bergemann, J. (2017). *La prospezione archeologica: metodi tecnico-scientifici e approccio storico in Germania e in Italia/Survey-Archaeologie: naturwissenschaftlich-technische versus historische Methode in Italien und Deutschland* (O. Belvedere, & J. Bergemann, a cura di). Rahden/Westf: Verlag Marie Leidorf GmbH, pp.41-56.
- 58 Bianchi G., CAMPANA S., Fichera G., 2016. Archeologia Dell'architettura Nella Basilica Della Natività A Betlemme, ACTA XVI CONGRESSVS INTERNATIONALIS ARCHAEOLOGIAE CHRISTIANAE Romae (22-28.9.2013) Costantino e i Costantinidi. L'innovazione Costantiniana, le sue Radici e i suoi Sviluppi, Città del Vaticano: Pontificio Istituto di Archeologia Cristiana, pp.1567-1589.
- 59 CAMPANA S., M. Sordini, F. Brogi 2016. 3D recording of archaeological excavation: the case study of Santa Marta, Tuscany, Italy, in CAMPANA S., R. Scopigno, G. Carpentiero & M. Cirillo (eds.). *CAA 2015 Keep the Revolution Going*. Proceedings of the 43rd CAA, 30 March-2 April 2015, Siena-Italy. Oxford: Archaeopress Publishing; 383-391. Available in open-access ISBN 9781784913380, e-PDF: <http://www.archaeopress.com/Public/download.asp?id={77DEDD4E-DE8F-43A4-B115-ABE0BB038DA7}>
- 60 CAMPANA S., 2015, Emptyscapes: filling 'empty' mediterranean landscapes, mapping the archaeological continuum, 11th International Conference on Archaeological Prospection, Warsaw 15–19 September 2015, pp. 149-152.
- 61 CAMPANA S., Archaeological Impact Assessment: the Brebemi Project (Italy), in 'My Life is like the Summer Rose' Maurizio Tosi e L'Archeologia come modo di vivere Papers in honour of Maurizio Tosi for his 70th birthday, a cura di C. C. Lamberg-Karlovsky, B. Genito, B. Cerasetti, BAR International Series 2690, Oxford: Archaeopress, pp.75-82.

- 62 CAMPANA S., Azzena G., Carafa P., Gottarelli A., 2013, Il Sistema Informativo Territoriale Archeologico Nazionale – SITAN, in SITAR Sistema Informativo Territoriale Archeologico di Roma, a cura di M. Serlorenzi, I. Jovine, Atti del Convegno, (Roma 9 novembre 2011), ISBN- 9788890371165, pp.41-46.
- 63 CAMPANA S., Felici C., Frezza B., 2012, La chiesa Battesimale di San Pietro in Pava (San Giovanni d'Asso –SI, Italia): un incontro di dati stratigrafici, studio territoriale e attestazioni d'archivio, Atti del XV Congresso Internazionale di Archeologia Cristiana, Toledo 8– 12 settembre 2008.
- 64 CAMPANA S. 2012, Archaeological Impact Assessment Vs. Rescue Archaeology: The BREBEMI Project (Italy), in proceedings of the First International Conference on Best Practices in World Heritage Archaeology, A. Castillo (Ed.), Mahon, Minorca, Balearic Islands, Spain 9-13 April 2012, ISBN 978-84-695-6782-1, pp. 66-81.
- 65 CAMPANA S., FELICI, 2012, 20 years of research in the Val d'Orcia world heritage site: public communication and the ARCHEOSPOT® PROJECT, Unesco's World Heritage Site (Italy), in proceedings of the First International Conference on Best Practices in World Heritage Archaeology, A. Castillo (Ed.), Mahon, Minorca, Balearic Islands, Spain 9-13 April 2012, ISBN 978-84-695-6782, pp.374-383.
- 66 CAMPANA S., Mongelli V., Vitiello A., M., Fornaciari G., Lubritto C., 2011, Privileged Burial in the Pava Pieve (Siena, 8th Century AD), Atti Società Toscana Scienze Naturali, Mem., Serie B, 118, pp.97-102.
- 67 CAMPANA S., 2011, SITAR e archeologia preventiva, in SITAR Sistema Informativo Territoriale Archeologico di Roma, a cura di M. Serlorenzi, Atti del Convegno, (Roma 26 ottobre 2010), ISBN- 9788890371134, pp.41-45.
- 68 CAMPANA S. 2011, From space to place or from sites to landscape? Mind the gap, proceedings of the conference Hidden Landscapes of Mediterranean Europe. Cultural and methodological biases in pre- and protohistoric landscape studies. Proceedings of the international meeting, Siena, Italy, (May 25-27, 2007), edited by M. van Leusen, G. Pizziolo, L. Sarti, BAR International Series 2320, Archaeopress (ISBN 978 1 4073 0903 3), Oxford, pp. 35-45.
- 69 CAMPANA S. 2011, Total Archaeology approach to overcome Rescue Archaeology: BREBEMI project (Italy), in Remote Sensing for Archaeological Heritage management, proceedings of the European Archaeological Consilium Symposium (Reykjavik, Iceland, 25-27 March 2010), pp.33-41.
- 70 CAMPANA S 2010, "Personal" multistage remote sensing and traditional field work to the archaeological analysis of complex landscapes: relationships, benefits and actual limitations, in Beyond the artefact, Proceedings of Computer Applications and Quantitative Methods in Archaeology Conference, (Prato-Italy, 13-17 April 2004), Archeolingua, Budapest, ISBN 978-963-9911-10-9, pp.473-478.
- 71 CAMPANA S., Sordini M., Rizzi A., Remondino F., Geomatics techniques for the 3D documentation and visualization of archaeological building, in CAMPANA S., Forte M., Liuzza C., 2010, Space, Time, Place, Proceeding of the II<sup>nd</sup> International Conference on Remote Sensing Archaeology, Tiruchirapalli, India (August 17-22, 2009), Archaeopress BAR INTERNATIONAL SERIES, Oxford., pp. 151-154.
- 72 CAMPANA S., 2009, Archeologia dei Paesaggi e Remote Sensing, Groma 2, quaderni del Centro Studi per l'Archeologia dell'Adriatico, pp.139-157.
- 73 CAMPANA S., Becker H., Boschi F., 2009, Contributo per lo sviluppo storico della magnetometria applicata all'archeologia. Perché non solo magnetometria al cesio?, Groma 2, quaderni del Centro Studi per l'Archeologia dell'Adriatico, pp.373-396.
- 74 CAMPANA S., Sassatelli G., Augenti A., Capra A., Manacorda D., 2009, Il ruolo delle tecnologie nella formazione dell'archeologo, Groma 2, quaderni del Centro Studi per l'Archeologia dell'Adriatico, pp.373-396.
- 75 CAMPANA S., C.Felici 2009, Tra Orcia e Asso ... Chiese e insediamenti nei secoli di formazione dei paesaggi medievali: il caso della pieve di Pava, in "BSSP", CXVI, pp.451-474.
- 76 CAMPANA S., F. Brogi, C. FELICI, B. Frezza, L. Marasco, F. Pericci, M. Sordini, 2009, Gli scavi archeologici sulla pieve di S. Pietro in Pava, in V Congresso Nazionale di Archeologia Medievale, 1-3 ottobre 2009, Foggia, Firenze, pp.449-454.
- 77 CAMPANA S., Marasco L., Pecci A., Barba L., Dabas M., Piro S., Zamuner D., 2009, Integration of ground remote sensing surveys and archaeological excavation to characterize the medieval mound (Scarolino, Tuscany-Italy), ArchéoSciences, n. 33 (suppl.), pp.133-135.
- 78 CAMPANA S., Sordini M., Rizzi A., 2009, 3d Modeling a Romanesque Church In Tuscany: Archaeological Aims And Geomatics Techniques, proceedings of the 3rd International Workshop 3D Virtual Reconstruction and Visualization of Complex Architectures (25-28 February 2009, Trento, Italy).

- 79 CAMPANA S., Piro S. 2009, Test site background and outcome of the Aiali project, in Campana S., S. Piro, Seeing the Unseen. Geophysics and Landscape Archaeology, Proceeding of the XV<sup>th</sup> International Summer School, Taylor&Francis.
- 80 CAMPANA S. 2009, Remote sensing: Aerial photography and satellite imagery, in Campana S., S.Piro, Seeing the unseen. Geophysics and Landscape Archaeology, Proceeding of the XV<sup>th</sup> International Summer School, Taylor&Francis.
- 81 CAMPANA S., Piro S. 2009, Geophysical surveys, in Campana S., S.Piro, Seeing the Unseen. Geophysics and Landscape Archaeology, Proceeding of the XV<sup>th</sup> International Summer School, Taylor&Francis.
- 82 CAMPANA S., Becker H., Himmler T., Nicolosi I. 2009, Fluxgate, overhouser and caesium-magnetometry, in Campana S., S.Piro, Seeing the unseen. Geophysics and Landscape Archaeology, Proceeding of the XV<sup>th</sup> International Summer School, Taylor & Francis.
- 83 CAMPANA S., Dabas M., Morelli G. 2009, Electrical surveys, in Campana S., S. Piro, Seeing the Unseen. Geophysics and Landscape Archaeology, Proceeding of the XV<sup>th</sup> International Summer School, Taylor&Francis.
- 84 CAMPANA S., Vaccaro E., Ghisleni M. 2009, Field walking survey, artifact collection and analysis. Remarks of site development from late republican period to middle ages, in Campana S., S.Piro, Seeing the Unseen. Geophysics and Landscape Archaeology, Proceeding of the XV<sup>th</sup> International Summer School, Taylor&Francis.
- 85 CAMPANA S., Piro S. 2009, Putting everything together: GIS-based data integration and interpretation, in Campana S., S. Piro, Seeing the Unseen. Geophysics and Landscape Archaeology, Proceeding of the XV<sup>th</sup> International Summer School, Taylor&Francis.
- 86 CAMPANA S., E.Vaccaro, M.Ghisleni, M.Sordini 2009, Maglie insediative della valle dell'Ombrone (GR) nel primo millennio d.C., atti del convegno Geografie del Popolamento. Casi di studio, metodi e teorie, Siena University Press, pp.285-300.
- 87 CAMPANA S., C.Felici 2009, Tra Orcia e Asso ... Problematiche del popolamento tra tarda antichità e medioevo, atti del convegno Geografie del Popolamento. Casi di studio, metodi e teorie, Siena University Press, pp.31-40.
- 88 CAMPANA S., C. Felici, B. Frezza, L. Marasco, F. Brogi, F. Pericci, M. Sordini, 2009, Scavi Archeologici sulla Pieve di S. Pietro In Pava (San Giovanni d'Asso, SI), in V° Congresso Nazionale di Archeologia Medievale, SAMI, Firenze: All'Insegna del Giglio, pp.449-454.
- 89 CAMPANA S., Remondino F. 2008, Fast and detailed digital documentation of archaeological excavations and heritage objects, proceedings of the conference edited by A. Posluschny, K. Lambers & I. Herzog, Layers of Perception. Proceedings of the 35th Conference on Computer Applications and Quantitative Methods in Archaeology (CAA), Berlin, Germany, April 2-6, 2007, Bonn, Habelt, ISBN 978-3-7749-3556-3, pp. 36-42.
- 90 CAMPANA S., Sordini M., Remondino F. 2008, Integration of geomatics techniques for the digital documentation of heritage areas, 1st EARSeL (European Association of Remote Sensing Laboratories) International Workshop on "Advances in Remote Sensing for Archaeology and Cultural Heritage Management", Rome, 2008 September 30 - October 4.
- 91 CAMPANA S., Dabas M., Marasco L., Piro S., Zamuner D. 2008, Integration of remote sensing, geophysical surveys and archaeological excavation for the study of a medieval mound (Tuscany-Italy), 1st EARSeL (European Association of Remote Sensing Laboratories) International Workshop on "Advances in Remote Sensing for Archaeology and Cultural Heritage Management", Rome, 2008 September 30 - October 4.
- 92 CAMPANA S. 2008, Geofisica estensiva continua. Verso un nuovo livello analitico per l'archeologia?, atti del convegno di studi, Geofisica per l'archeologia. Possibilità e limiti, Roma, Palazzo Massimo 10 dicembre 2008.
- 93 CAMPANA S., Felici C., Francovich R., Marasco L. 2008, Progetto Pava. Resoconto di cinque anni di indagini, in Campana S., Felici C., Francovich R., Gabrieli F., Chiese e insediamenti nei secoli di formazione dei paesaggi medievali della Toscana (V- X secolo), Atti del Seminario (10-11 novembre San Giovanni d'Asso), All'Insegna del Giglio, Firenze.
- 94 CAMPANA S., Felici C., Marasco L. 2007, Gli scavi del Baptistarium Sancti Petri in Pava, I Longobardi. Dalla caduta dell'impero all'alba dell'Italia, a cura di G.P. Brogiolo, A. Chiavarria Amau, Milano, pp.192-193.
- 95 CAMPANA S., Piro S., Felici C. 2007, Integration between different remote-sensing surveys to characterise the Aiali archaeological site (Grosseto, Central Italy), proceedings of 7<sup>th</sup> Archaeological Prospection conference, pp.122-125.

- 96 CAMPANA S., Becker H., Himmler T., Nicolosi I. 2007, Fluxgate, Overhouser and Caesium-Magnetometry For Archaeological Propection At Roselle-Aiali (Italy), proceedings of 7<sup>th</sup> Archaeological Propection conference, pp.103-107.
- 97 CAMPANA S., Francovich R., 2007, Mapping the Tuscan archaeological heritage: methods, leading edge technologies, communication and results, in *Geoinformation in Europe*, a cura di M.A. Gomarsca, Netherlands: Millpress, pp. 635-642.
- 98 CAMPANA S., Felici C., Francovich R., Marasco L., Lubritto C., Passariello I., Marzaioli F., De Cesare N., Rubino M., Borriello G., D'Onofrio A., Terrasi F. 2006, L'utilizzo delle datazioni al radiocarbonio nel sito archeologico di Pava, in *Atti AIAR*, pp.725-736.
- 99 CAMPANA S. 2006, DGPS e mobile GIS per l'archeologia dei paesaggi, in *Laser scanner e GPS: paesaggi archeologici e tecnologie digitali 1*, atti del workshop, 3 marzo 2005 Grosseto, All'Insegna del Giglio, Firenze, pp.201-225.
- 100 CAMPANA S., Sordini M. 2006, Laser scanner e GPS in Archeologia: geografia dei servizi e delle risorse in Internet, in *Laser scanner e GPS: paesaggi archeologici e tecnologie digitali 1*, atti del workshop, 3 marzo 2005 Grosseto, All'Insegna del Giglio, Firenze, pp.327-341.
- 101 CAMPANA S., Felici C. 2006, Remote Sensing and Fieldwalking Survey to The Study Of Ancient Landscapes: An Integrated Approach, in 35<sup>th</sup> International Symposium of Archaeometry (Saragozza, 3-7 May 2006), Institución Fernando el Católico, pp.27-32, <http://www.dpz.es/ifc2/libros/ebook2621.pdf>.
- 102 CAMPANA S., Felici C., Francovich R., Marasco L. 2006, "...Item introductus est Audo presbiter de baptisterio Sancti Petri in Pava...". Indagini archeologiche sul sito della pieve di Pava (SI), in IV<sup>o</sup> Congresso nazionale di Archeologia Medievale, Firenze.
- 103 CAMPANA S., Felici C., M. Ghisleni, Piro S., 2006, From Space to Place: the Aiali project (Tuscany-Italy), in Campana S., Forte M. (eds.), *From Space to Place*.
- 104 CAMPANA S., Francovich R., Corsi M., Pericci F., 2006, Aerial Survey Project in Tuscany: years 2000-2005, in Campana S., Forte M. (eds.), *From Space To Place*.
- 105 CAMPANA S., Frezza B., 2006, A proposal for the digital storage and sharing of remotely sensed archaeological data, in Campana S., Forte M. (eds.), *From Space To Place*.
- 106 CAMPANA S., Francovich R., Marasco L., 2006, Remote Sensing and Ground-truthing of a Medieval Mound (Tuscany - Italy), in Campana S., Forte M. (eds.), *From Space To Place*.
- 107 CAMPANA S., Sordini M., 2006, Mobile computing in archaeological prospection: an update, in Campana S., Forte M. (eds.), *From Space To Place*.
- 108 CAMPANA S. 2006, Archeologia dei paesaggi medievali della Toscana: problemi, strategie, prospettive, in *Medioevo, paesaggi e metodi*, a cura di F. Saggiaro e N. Mancassola, pp.25-50.
- 109 CAMPANA S., Francovich R. 2005, Linking remote sensing and infra-site analysis to the reconstruction of rural settlement and landscape patterns, in *The Reconstruction of Archaeological Landscapes through Digital Technologies*, (Roma, 3-5 November 2003), Archaeopress BAR INTERNATIONAL SERIES 1379, Cambridge, pp.61-73.
- 110 CAMPANA S. 2005, Paesaggi archeologici e Telerilevamento: sviluppi e prospettive per lo studio del territorio Toscano, in *Archeologia dei Paesaggi Medievali. Relazione Progetto (2000-2004)*, a cura di R. Francovich, M. Valenti, All'Insegna del Giglio, Firenze, pp.639-672.
- 111 CAMPANA S. 2005, Castiglione d'Orcia (SI), Montalcino (SI), Murlo (SI), in *Ricognizioni territoriali: i progetti Carta Archeologica della Provincia di Siena, Carta Archeologica della Provincia di Grosseto, "Colline Metallifere"*, in *Archeologia dei Paesaggi Medievali. Relazione Progetto (2000-2004)*, a cura di R. Francovich, M. Valenti, All'Insegna del Giglio, Firenze, pp.248-249, 250-254, 258-260.
- 112 CAMPANA S., Felici C., Marasco L. 2005, Risultati della prima campagna di scavo archeologico sul sito di Pava (San Giovanni d'Asso, SI), in *Archeologia dei Paesaggi Medievali. Relazione Progetto (2000-2004)*, a cura di R. Francovich, M. Valenti, All'Insegna del Giglio, Firenze, pp.92-94.
- 113 CAMPANA S. 2005, Il Laboratorio di Archeologia dei Paesaggi e Telerilevamento (LAP&T) di Siena e Grosseto, in *Laboratori di Alta Tecnologia*, in *Archeologia dei Paesaggi Medievali. Relazione Progetto (2000-2004)*, a cura di R. Francovich, M. Valenti, All'Insegna del Giglio, Firenze, pp.735-736.
- 114 CAMPANA S., Francovich R., Felici C. 2005, Large scale magnetic survey and archaeological mapping. The Grosseto and Siena projects, in *proceedings of the 6<sup>th</sup> International Conference on Archaeological*

- Prospection, (Roma 14-17 September 2005), Institute of Technologies Applied to Cultural Heritage, Roma, pp.25-30.
- 115 CAMPANA S., Piro R., Felici C. 2005, Integration between magnetic surveys and archaeological excavations: the case study Pava (Siena, Central Italy), in proceedings of the 6<sup>th</sup> International Conference on Archaeological Prospection, (Roma 14-17 September 2005), Institute of Technologies Applied to Cultural Heritage, Roma, pp.226-227.
- 116 CAMPANA S. 2005, Mobile Computing in Archaeological Prospection, in proceedings of the 6<sup>th</sup> International Conference on Archaeological Prospection, (Roma 14-17 September 2005), Institute of Technologies Applied to Cultural Heritage, Roma, pp.427-431.
- 117 CAMPANA S., Pecci A., Felici C. 2005, Chemical analysis of floor samples as a tool for archaeological prospection. Comparison with the magnetic survey data and the archaeological excavation data: the case study of Pava (Italy), in proceedings of the 6<sup>th</sup> International Conference on Archaeological Prospection, (Roma 14-17 September 2005), Institute of Technologies Applied to Cultural Heritage, Roma, pp.268-271.
- 118 CAMPANA S., Baldi P., Durante P., Felici C., 2005, Magnetometria e GPR: indagine integrata nell'Area test Bosco della Città, in Ottimizzazione delle misure geofisiche tramite indagini su modelli ridotti e aree test, Atti del convegno.
- 119 CAMPANA S. 2005, Fotografare i segni del passato. Alla ricerca dell'archeologia, in In volo nel passato. Aerofotografia e cartografia archeologica, All'Insegna del Giglio, Firenze, pp.201-229.
- 120 CAMPANA S. 2005, In volo nel futuro, in In volo nel passato. Aerofotografia e cartografia archeologica, All'Insegna del Giglio, Firenze, 231-310.
- 121 CAMPANA S. 2005, Looking to the future: una strategia per l'archeologia dei paesaggi toscani. Sviluppo e implementazione di soluzioni tecnologiche integrate, in In volo nel passato. Aerofotografia e cartografia archeologica, All'Insegna del Giglio, Firenze, pp.233-261.
- 122 CAMPANA S. 2005, Ricognizione Aerea, in Sistema dei castelli e delle fortificazioni della provincia di Siena. Dalla ricerca alla valorizzazione, All'Insegna del Giglio, Firenze, pp.26-35.
- 123 CAMPANA S., 2004, Ricognizione archeologica nel territorio comunale di Montalcino: campagne 1999-2001. Progetto Carta Archeologica della Provincia di Siena, in Ilcinesia. Nuove ricerche per la storia di Montalcino e del suo territorio, a cura di A. Cortonesi e A. Pagani, (Montalcino, 19 maggio 2001), Vecchiarelli Editore, Roma, pp.37-64.
- 124 CAMPANA S., 2003, Catasto Leopoldino e GIS technology: metodologie, limiti e potenzialità, in Trame spaziali, Quaderni di Geografia Storica del Dipartimento di Storia dell'Università di Siena, All'Insegna del Giglio, Firenze, pp.71-78.
- 125 CAMPANA S., 2003, Geografia storica, telerilevamento e tecnologia GIS: una rassegna bibliografica, in Trame spaziali, Quaderni di Geografia Storica del Dipartimento di Storia dell'Università di Siena, All'Insegna del Giglio, Firenze, pp.99-104.
- 126 CAMPANA S., Francovich R., 2003, Landscape Archaeology in Tuscany: Cultural resource management, remotely sensed techniques, GIS based data integration and interpretation, in The Reconstruction of Archaeological Landscapes through Digital Technologies, (Boston, Massachusetts 1-3 November 2001), Archaeopress BAR INTERNATIONAL SERIES 1151, Cambridge, pp. 15-28.
- 127 CAMPANA S., 2002, Ikonos-2 multispectral satellite imagery to the study of archaeological landscapes: An integrated multi-sensor approach in combination with "traditional" methods, in The Digital Heritage of Archaeology, Proceedings of Computer Applications and Quantitative Methods in Archaeology Conference, (Heraklion-Greece, 2-6 April 2002), Directorate of the Archive of Monuments, Publication The Individual Authors, Atene, pp.219-225.
- 128 CAMPANA S., 2002, High resolution satellite imagery: a new source of information to the archaeological study of Italian landscapes? Case study of Tuscany, in Space Applications for Heritage Conservation, Proceedings of the Conference (Strasbourg, 5-8 November 2002), European Space Agency Publication Division, CD-ROM.
- 129 CAMPANA S., 2001, Archeologia e remote sensing: geografia dei servizi e delle risorse in Internet, in Remote Sensing in Archaeology, a cura di S. Campana, M. Forte, atti dell'XI International School in Archaeology, (Certosa di Pontignano, 6-11 dicembre 1999), All'Insegna del Giglio, Firenze, pp.73-94.

- 130 CAMPANA S., Pranzini E., 2001, Telerilevamento in Archeologia, in Remote Sensing in Archaeology, a cura di S. Campana, M. Forte, atti dell'XI International School in Archaeology, (Certosa di Pontignano, 6-11 dicembre 1999), All'insegna del Giglio, Firenze, pp.17-62.

Kind regards  
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