



## Dr. Michele Campagna

Professor of Spatial Planning and Geodesign

## Curriculum Vitae et Studiorum

### Short Resume CV

Michele Campagna, MSc in Civil Engineering (1997), received his PhD in Spatial Planning in 2003 at the University of Cagliari, where he is full Professor of Spatial Planning (Assistant 2005, Associate 2014). Since 2005, he has been teaching master/doctoral courses in urban and regional planning, GIScience, and more recently in Geodesign. Since 2015, he is Civil Engineering Program Coordinator at the University of Cagliari, and member of the PhD board in Civil Engineering and Architecture. He is supervisor of many Master and PhD thesis (10). He gave seminars and taught courses in several Universities in Italy, the United States, France, Portugal, Germany, Greece, Brazil, in the Russian Federation, and in New Zealand. He was coordinator of the International Summer School on Scenario Analysis in Urban and Regional Planning 2010, and of the International Summer School on ICT in Spatial Planning 2011. In addition, he coordinated several Geodesign workshops in Brazil (2015) and Italy (2016, 2018, 2019) as well as in America, Asia, Oceania, and Africa (2020). He received several scholarships and grants by European and North American Institutions such as (European Commission; EU Leonardo and Marie Curie Programme; European Science Foundation; Centre for Integrated Social Sciences and US National Science Foundation).

His main research interests include issues related to Spatial Planning, geo-spatial analysis, Geodesign, meta-planning, the ICT/GIS adoption and innovation in the planning practice including SDI, Planning Support Systems, Citizens Observation, Social Media and Volunteered Geographic Information.

He authored over 130 publications including papers in major International peer-review journals, a book on geo-information technologies for spatial planning, and he was editor the book "GIS for Sustainable Development" published by CRC Press in 2006. He is panel member/reviewer/invited speaker of International Conferences in Planning and GIScience. In 2013 he served as track co-chair in Spatial and Planning Analysis Methods in a Digital World at the Joint AESOP-ACSP Conference, Dublin, and he has been as well appointed track-co-chair in at the AESOP 2015, 2017 and 2019 Annual Conferences. He also serve as reviewer for books and international journals on planning and GIS. At AESOP he was also member of the AEKOM WG.

He is AGILE contact person for the UrbanGIS lab at the University of Cagliari since 2001. He is member of the International Geodesign Collaboration.

In 2008-2009 he was post-doc researcher at the Institute for Environment and Sustainability of the Joint Research Centre of the European Commission, in Ispra (IT).

He was planning and GIS consultant for the Italian Ministry of Environment, The Regional Government of Sardinia (IT), for private enterprises. In 2019 he coordinated the geodesign study on the Future Sustainable Tourism Development in the Gulf of Oristano (Sardinia, Italy).

He is responsible for research projects on Spatial Planning and on GIS and Planning Support Systems at the University of Cagliari, and collaborated to several international and national research projects in EU, Brazil, Cuba, Italy, and Russian Federation. He was MC substitute in the COST Action IC1203.

## FULL CV

### Personal information

First name / Surname	<b>Michele Campagna</b>
Nationality / Place of Birth	Italy / Cagliari
Date of Birth	1970
Gender	Male

### Work Address

Organization	Università degli Studi di Cagliari – Dipartimento di Ingegneria Civile, Ambientale e Architettura
Work Address	2, Via Marengo 09123 Cagliari , Italy
Telephone	+39.070.675.5203
Fax	+39.070.675.5215
email	campagna@unica.it
URL	<a href="http://people.unica.it/campagna">http://people.unica.it/campagna</a>

### Occupational field: Research and Academic Education

#### Work experience

Dates	January 2005 – present
Occupation or position held	Professor of Spatial Planning and Geodesign (Assistant P. 2005, Associate P. 2014, Full P. 2021)
Main activities and responsibilities	<ul style="list-style-type: none"><li>- Research: principal investigator of several projects on Geodesign, Geographic Information Systems, geo-spatial analysis, Geodesign, Spatial Data Infrastructure, and Planning Support Systems for urban/regional/environmental planning and spatial governance;</li><li>- Teaching (undergraduate, graduate, and PhD level): Professor of Spatial Planning, Geodesign, and GIScience</li><li>- Academic governance: Member of the Faculty Board, Member of Graduate/PhD Course Boards</li><li>- Internationalisation: Proposer and coordinator of 6 Erasmus Bilateral Agreements; Coordinator of the Erasmus IP International Summer School on ICT in Spatial Planning “InfoPlan”</li><li>- Coordinator of the MSc program in Civil Engineering since 2015</li></ul>
Name and address of employer	Università degli Studi di Cagliari – Dipartimento di Ingegneria Civile Ambientale e Architettura DICAAR (formerly DIT)
Type of business or sector	Research and Higher Education
Dates	July 2008 – September 2009
Occupation or position held	Post-Doc Researcher (on temporary leave from UniCA)
Main activities and responsibilities	Research on the socio-economic impacts of Spatial Data Infrastructures on the regional systems and on spatial planning and Environmental Impact Assessment

Name and address of employer	European Commission - Joint Research Centre – Institute for Environment and Sustainability
Type of business or sector	Public – Scientific policy support
Dates	1997-onwards
Occupation or position held	Researcher
Main activities and responsibilities	Research in the field of Geographic Information Systems, planning and spatial governance, Environmental Impact Assessment.
Name and address of employer	Various public/private organisations (list of research projects in “Additional Information” below)
Type of business or sector	Public Administration, Private sector

## Education and training

Dates	2003
Title of qualification awarded	Doctoral Research Degree in Spatial Planning
Principal subjects/occupational skills covered	Thesis title: “The use of Information Communication Technologies and Geographic Information System as support to spatial and environmental planning”, analysis of current development and methodology framework development
Name and type of organisation providing education and training	Università degli Studi di Cagliari, Italy
Level in national or international classification	ISCED 6
Dates	1998
Title of qualification awarded	Post-graduated Course
Principal subjects/occupational skills covered	Urban, regional, and environmental planning
Name and type of organisation providing education and training	Università degli Studi di Cagliari, Italy
Level in national or international classification	ISCED 5A
Dates	1997
Title of qualification awarded	MSc in Civil Engineering
Principal subjects/occupational skills covered	Civil Engineering, Architecture, Design, Urban and Regional Planning
Name and type of organisation providing education and training	Università degli Studi di Cagliari, Italy
Level in national or international classification	ISCED 5A

## Personal skills and competences

Mother tongue	<b>Italian</b>
Other language(s)	

Self-assessment	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
<b>English</b>	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
<b>Spanish</b>	A2	Basic User	A2	Way stage or elementary	A1	Basic User	A1	Basic User	A1	Basic User
<b>Greek</b>	A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User
<b>French</b>	A1	Basic User	A2	Way stage or elementary	A1	Basic User	A1	Basic User	A1	Basic User
<b>Portuguese</b>	A1	Basic User	A2	Way stage or elementary	A1	Basic User	A1	Basic User	A1	Basic User

## PUBLICATIONS

*Prof. Campagna is author of over 130 publications on spatial planning, geodesign and GIScience, among them (selected, for full publication list pls. see <https://tinyurl.com/yczuauj9>):*

- Campagna, M., Di Cesare, E. A., & Cocco, C. (2020). Integrating Green-Infrastructures Design in Strategic Spatial Planning with Geodesign. Sustainability. <https://doi.org/10.3390/su12051820>
- Cocco, C., Freitas, C. R., Moura, A. C. M., & Campagna, M. (2020). Geodesign process analytics: Focus on design as a process and its outcomes. Sustainability (Switzerland). <https://doi.org/10.3390/SU12010119>
- Cocco, C., Jankowski, P., & Campagna, M. (2019). An Analytic Approach to Understanding Process Dynamics in Geodesign Studies. Sustainability, 11(18), 4999. <https://doi.org/10.3390/su11184999>
- CAMPAGNA MICHELE, DI CESARE ELISABETTA ANNA, MATTIA ANDREA, & Serra M. (2018). Bridging the Gap Between Strategic Environmental Assessment and Planning: A Geodesign Perspective. INTERNATIONAL JOURNAL OF E-PLANNING RESEARCH, 7, 34–52. <https://doi.org/10.4018/IJEPR.2018010103>
- Moura, A. C. M., & Campagna, M. (2018). Co-design: Digital tools for knowledge-building and decision-making in planning and design. DISEGNARECON.
- Campagna M. (2017). Un Framework per il Geodesign: Trasformare la Geografia con il Progetto. Cagliari - ITA: Michele Campagna.
- Trogu D, Campagna M (2018) Towards Spatial Composite Indicators: A Case Study on Sardinian Landscape. Sustainability 2018, 10(5), 1369; doi: 10.3390/su10051369 open access
- Carl Steinitz (2017) Un Framework per il Geodesign: Trasformare la Geografia con il Progetto. Edizione Italiana a cura di Michele Campagna. ISBN-13: 979-1220023696
- Nikšić M, Campagna M, Massa P, Cagliani M, Theis Nielsen T (2017) Opportunities for Volunteered Geographic Information Use in Spatial Planning. In: Mapping and the Citizen Sensor, Edited by: G Foody, L See, S Fritz, P Mooney, AM Olteanu-Raimond, C costa Fonte & V Antoniou. Ubiquity Press, London. Pp. 327-349
- Demetriou D, Campagna M, Racetin I, Konecny M (2017) Integrating Spatial Data Infrastructures (SDIs) with Volunteered Geographic Information (VGI) creating a Global GIS platform. In: Mapping and the Citizen Sensor, Edited by: G Foody, L See, S Fritz, P Mooney, AM Olteanu-Raimond, C costa Fonte & V Antoniou. Ubiquity Press, London. Pp. 273-297
- Campagna M (2016) Metaplanning: About designing the Geodesign process, Landscape and Urban Planning, 156 (2016) 118–128
- Campagna, M., Floris, R., Massa, P., & Mura, S. (2016). Social Media Geographic Information: The Community Perspective in Planning Knowledge. In S. Konomi, & G. Roussos (Eds.) Enriching Urban Spaces with Ambient Computing, the Internet of Things, and Smart City Design (pp. 184-208). Hershey, PA: . doi:10.4018/978-1-5225-0827-4.ch010
- Campagna M (2016) From Metaplanning to PSS 2.0: Exploring the architecture of Geodesign as a process. Research in Urbanism Series, [S.l.], v. 4, sep. 2016. ISSN 1879-8217.
- Campagna M, Steinitz C, Di Cesare EA, Cocco, C, Ballal H, Canfield T (2016) Collaboration in planning: the Geodesign approach. Rozwój Regionalny i Polityka Regionalna 35: 27–43 free download

15. Campagna M (2016) Sistemas de suporte ao Planejamento (Planning Support Systems): retrospectivas and prospectivas. In: Mourao Moura A.C. (ed) Tecnologias de Geoinformação para representar e Planejar o Territorio Urbano. Editora Interciencia. Rio de Janeiro
16. Campagna, M. 2016. Social Media Geographic Information: Why social is special when it goes spatial?. In: Capineri, C, Haklay, M, Huang, H, Antoniou, V, Kettunen, J, Ostermann, F and Purves, R (eds.) European Handbook of Crowdsourced Geographic Information, Pp. 45–54. London: Ubiquity Press. DOI: <http://dx.doi.org/10.5334/bax.d>. License: CC-BY 4.0.
17. Massa, P and Campagna, M. 2016. Integrating Authoritative and Volunteered Geographic Information for spatial planning. In: Capineri, C, Haklay, M, Huang, H, Antoniou, V, Kettunen, J, Ostermann, F and Purves, R. (eds.) European Handbook of Crowdsourced Geographic Information, Pp. 401–418. London: Ubiquity Press. DOI: <http://dx.doi.org/10.5334/bax.ac>. License: CC-BY 4.0.
18. Silva P, Campagna M (2016) New Technologies and Planning: An overview of the AESOP Thematic Group’s mission, topics, activities and aims for the future. *disP – The Planning Review*, Vol. 52, Issue. 2, pages 68-71 ISSN 0251-3625 (Print), 2166-8604 (Online), DOI: 10.1080/02513625.2016.1195590
19. Campagna M, Massa P, Floris R (2016) The role of Social Media Geographic Information (SMGI) in Geodesign. *Journal of Digital Landscape Architecture*, 1-2016. © Herbert Wichmann Verlag, VDE VERLAG GMBH, Berlin/Offenbach. ISBN 978-3-87907-612-3, ISSN 2367-4253, doi:10.14627/537612019
20. Campagna M, Mourão Moura AC, Borges J, Cocco C (2016) Future Scenarios for the Pampulha Region: a Geodesign Workshop. *Journal of Digital Landscape Architecture*, 1-2016. © Herbert Wichmann Verlag, VDE VERLAG GMBH, Berlin/Offenbach. ISBN 978-3-87907-612-3, ISSN 2367-4253, doi:10.14627/537612033.
21. Campagna M, Di Cesare E (2016) Geodesign: Lost in Regulations (and in Practice). In Papa R and Fistola R (eds.), *Smart Energy in the Smart City, Green Energy and Technology*, Springer International Publishing Switzerland 2016. ISBN: 978-3-319-31155-5. DOI 10.1007/978-3-319-31157-9\_16
22. Floris R., Massa P. and Campagna M. (2016) Le informazioni geografiche dei social network (SMGI) a supporto della pianificazione del turismo. L’esempio di Cagliari. *Proceedings of XX ASITA 2016 National Conference, Cagliari 8-10 November 2016* (ISBN 978-88-941232-6-5)
23. Kechagioglou X., Di Cesare E. A., Massa P. and Campagna M. (2016) Metaplaning, Geodesign e Sistemi di Supporto alla Pianificazione di seconda generazione. *Proceedings of XX ASITA 2016 National Conference, Cagliari 8-10 November 2016* (ISBN 978-88-941232-6-5)
24. Di Cesare E. A., Cocco C. and Campagna M. (2016) Il Geodesign come metodologia per la progettazione collaborativa di scenari di sviluppo per l’Area Metropolitana di Cagliari. *Proceedings of XX ASITA 2016 National Conference, Cagliari 8-10 November 2016* (ISBN 978-88-941232-6-5)
25. Massa P., Floris R. and Campagna M. (2016) Beyond social networks contents: how Social Media Geographic Information may support spatial planning analysis. *Proceedings of INPUT 2016 – 9th International Conference on Innovation in Urban and Regional Planning – e-aporà for the transition toward resilient communities”, Turin, 14-15 September 2016*
26. Floris R., Massa P. and Campagna M. (2016) The use of SMGI in supporting tourism planning practices: an innovative approach for the municipality of Cagliari. *Proceedings of INPUT 2016 – 9th International Conference on Innovation in Urban and Regional Planning – e-aporà for the transition toward resilient communities”, Turin, 14-15 September 2016*
27. Gallo R., Campagna M., Massa P. and Rabino G. (2016) Social Media Geographic Information for urban space analysis: the case of Expo Milano 2015. *Proceedings of INPUT 2016 – 9th International Conference on Innovation in Urban and Regional Planning – e-aporà for the transition toward resilient communities”, Turin, 14-15 September 2016*
28. Di Cesare E. A., Floris R. and Campagna M. (2016) How knowledge subjectivity affects decision-making: a Geodesign case study for the Cagliari Metro Area. *Proceedings of INPUT 2016 – 9th International Conference on Innovation in Urban and Regional Planning – e-aporà for the transition toward resilient communities”, Turin, 14-15 September 2016*
29. Campagna M (2015) Geodesign as a process: from modelling to enactment. In: Buhmann E, Ervin S, Pietsch M (eds) *Peer Reviewed Proceedings of Digital Landscape Architecture 2015*. Herbert Wichmann Verlag, Berlin. pp. 276-283
30. Cocco C, Fonseca M B, Campagna M (2015) Applying Geodesign in Urban Planning Case Study of Pampulha , Belo Horizonte. *Brazilian Journal of Cartography* N° 67/5 929-940 Brazilian Society of Cartography, Geodesy, Photogrammetry and Remote Sensing, ISSN: 1808-0936

31. M. Campagna, R. Floris, P. Massa, A. Girsheva, and K. Ivanov (2015) The Role of Social Media Geographic Information (SMGI) in Spatial Planning. In: Geertman, S., Ferreira, Jr., J., Goodspeed, R., Stillwell, J. (Eds.) *Planning Support Systems and Smart Cities*, Springer ISBN 978-3-319-18367-1
32. Ivanov K.A., Kudinov A.V., Markov N.G., Campagna M., Massa P. (2015) Orchestration and Integration of Spatial Web Services for Planning Support System design. *Fundamental Research*, vol 2, pp. 3267-3271 [In Russian language]
33. Campagna M, Achenza M, Iannuzzi Y, Cocco C. (2014) Geospatial Technologies for the Built Heritage Management: Experiences in Sardinia, Italy. In M. Ioannides et al. (Eds.): *EuroMed 2014*, LNCS 8740, pp. 598–605, 2014. Springer International Publishing Switzerland
34. Campagna M\*, Floris R, Girsheva A, Ivanov K, Massa P (2014) The role of Volunteered Geographic Information (VGI) and Social Media Geographic Information (SMGI) in Spatial Planning. Position Paper for the Workshop “Role of Volunteered Geographic Information in Advancing Science: Effective Utilization” organized in Conjunction with the Eighth International Conference on Geographic Information Science, TU Vienna September 23, 2014
35. Иванов К.А., Кампанья М., Кудинов А.В., Марков Н.Г. (2014) Волонтерские геоинформационные системы в управлении муниципалитетами и регионами. *Информационное общество*, вып. 3, с. 10-19 [Ivanov K.A., Campagna M., Kudinov A.V., Markov N.G. (2014) Volunteered geographic information systems in municipal and regional management. *Information society*, Moscow, Russia, №3, pp. 10-19]
36. Campagna M, Ivanov K, Matta A, Massa P (2014) From Spatial Data Infrastructures to Planning Support Systems. In: Perakis K (ed) *1st International GEOMAPPLICA Conference Proceedings*, Skiathos 8-10 September 2014
37. Campagna M (forthcoming) Geodesign: dai contenuti metodologici all’innovazione nelle pratiche. In: *Atti della XVII Conferenza Nazionale SIU "L'urbanistica italiana nel mondo. Prospettive internazionali, contributi e debiti culturali"* (Milano, 15-16 Maggio 2014). *Planum. The Journal of Urbanism* (ISSN 1723-0993)
38. Campagna M, Ivanov K, Massa P (2014) Implementing metaplaning with Business Process Management. *Procedia Environmental Science*, Elsevier
39. Campagna M, Di Cesare E (2014) Geodesign: from theory to practice in the search for Geodesign principles in Italian planning regulations. In *Journal of Land Use, Mobility and Environment Special Issue Eighth International Conference INPUT Smart City - Planning for Energy, Transportation and Sustainability of the Urban System*, Naples, 4-6 June 2014
40. Campagna M (2014) Geodesign from theory to practice: from metaplaning to 2nd generation Planning Support Systems. In *Journal of Land Use, Mobility and Environment Special Issue Eighth International Conference INPUT Smart City - Planning for Energy, Transportation and Sustainability of the Urban System*, Naples, 4-6 June 2014
41. Floris R, Campagna M (2014) Tourism Planning in Social Media Data: Analysing Tourists Satisfaction In Space And Time. In *Journal of Land Use, Mobility and Environment Special Issue Eighth International Conference INPUT Smart City - Planning for Energy, Transportation and Sustainability of the Urban System*, Naples, 4-6 June 2014
42. Massa P, Campagna M (2014) Social Media Geographic Information: recent findings and opportunities for smart spatial planning. In *Journal of Land Use, Mobility and Environment Special Issue Eighth International Conference INPUT Smart City - Planning for Energy, Transportation and Sustainability of the Urban System*, Naples, 4-6 June 2014
43. Floris R, Campagna M (2014) Social media data in tourism planning: Analysing tourists’ satisfaction in space and time. *Proceedings of the 19th International Conference on Urban Planning and Regional Development in the Information Society GeoMultimedia 2014*
44. Massa P, Campagna M (2014) Social Media Geographic Information: Current developments and opportunities in urban and regional planning. *Proceedings of the 19th International Conference on Urban Planning and Regional Development in the Information Society GeoMultimedia 2014*
45. Campagna M (2014) The geographic turn in Social Media: opportunities for spatial planning and Geodesign. In: B. Murgante et al. (Eds.): *ICCSA 2014, Part II, Lectures Notes in Computer Science 8580*, pp. 598–610, 2014. Springer International Publishing Switzerland
46. Campagna M, Ivanov K, Massa P (2014) Orchestrating the spatial planning process: from Business Process Management to 2nd generation Planning Support Systems. In Huerta, Schade, Granell (Eds): *Proceedings of the 17th AGILE Conference on Geographic Information Science, Connecting a Digital Europe through Location and Place*, 3-6 June 2014, Castellón, Spain
47. Campagna M, Matta A (2014) Geoinformation technologies in sustainable spatial planning: a Geodesign approach to local land-use planning, *Proc. SPIE 9229*, Second International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2014), doi:10.1117/12.2066189

48. 2013 - Articolo in rivista Campagna M (2013). Geodesign, sistemi di supporto al piano e metapianificazione. DISEGNARE CON..., vol. 6, p. 133-140, ISSN: 1828-5961, doi: 10.6092/issn.1828-5961/3407 numero ISBN: non indicato. numero ISMN: non indicato. Codice ISSN: 1828-5961
49. 2012 - Articolo in rivista Campagna M (2012). Ontologia, informazione e pianificazione spaziale. SR SCIENZE REGIONALI, vol. 11, p. 139-144, ISSN: 1720-3929 numero ISBN: non indicato. numero ISMN: non indicato. Codice ISSN: 1720-3929
50. 2012 - Articolo in rivista Campagna M, Craglia M (2012). The Socio-Economic Impact of the Spatial Data Infrastructure of Lombardy. ENVIRONMENT AND PLANNING B-PLANNING & DESIGN, ISSN: 0265-8135, doi: 10.1068/b38006 Codice ISSN: 0265-8135
51. 2012 Campagna M (2012). Planning Support Systems: open issues for research, education and the planning practice(editorial note). In: (a cura di): Campagna M, De Montis A, Lai S, Isola F, Pira C, and Zoppi C (eds), PlanningSupport tools: policy analysis, implementation and Evaluation. p. 27-38, MILANO:FrancoAngeli, ISBN:9788856875973numero ISBN: 9788856875973 numero ISMN: non indicato. Codice ISSN: non indicato.
52. 2012 Campagna M, De Montis A, Isola F, Lai S, Pira C, Zoppi C (a cura di) (2012). Planning Support Tools: PolicyAnalysis, Implementation and Evaluation.. p. 1-2198, MILANO:FrancoAngeli, ISBN: 9788856875973 numero ISBN: 9788856875973 numero ISMN: non indicato. Codice ISSN: non indicato.
53. 2012 -Corona C, Campagna M (2012). Feasibility and design of a Bike Sharing System in Cagliari: a GeoDesign perspective. In: (a cura di): Campagna M, De Montis A, Isola F, Lai S, Pira C, Zoppi C, Planning Support Tools: Policy Analysis, Implementation and Evaluation. p. 1883-1897, MILANO:FrancoAngeli, ISBN: 9788856875973
54. 2012 - Campagna M, Kudinov A, Ivanov A, Girsheva A (2012). GeoInformatics and Spatial Planning bridging the gap towards GeoDesign: focus on VGI. In: (a cura di): Campagna M, De Montis A, Isola F, Lai S, Pira C, Zoppi C, Planning Support Tools: Policy Analysis, Implementation and Evaluation. p. 1151-1161, MILANO:FrancoAngeli, ISBN: 9788856875973
55. 2012 - Contributo in volume (Capitolo o Saggio) Trogu D, Campagna M (2012). Spatial statistics and composite indicators: a review of existing case studies and open research issues on spatial composite indicators. In: (a cura di): Spatial statistics and composite indicators: a review of existing case studies and open research issues on spatial composite indicators, Planning Support Tools: Policy Analysis, Implementation and Evaluation. p. 993-1005, MILANO:FrancoAngeli, ISBN: 9788856875973 numero ISBN: 9788856875973 numero ISMN: non indicato. Codice ISSN: non indicato.
56. 2012 - Contributo in volume (Capitolo o Saggio) Porceddu M, Campagna M (2012). Urbanisation processes in landscape protected areas in Sardinia. In: AAVV. (a cura di): Campagna M, De Montis A, Isola F, Lai S, Pira C, Zoppi C, Planning Support Tools: Policy Analysis, Implementation and Evaluation. p. 427-437, MILANO:FrancoAngeli, ISBN: 9788856875973 numero ISBN: 9788856875973 numero ISMN: non indicato. Codice ISSN: non indicato.
57. 2012 - Voce (in dizionario o enciclopedia) Campagna M (2012). Geographic Information Systems (GIS). In: (a cura di): Daniel Fogel, Sarah Fredericks, LisaHarrington, & Ian Spellerberg, The Encyclopedia of Sustainability: Vol. 6. Measurements, Indicators, and Research Methods for Sustainability. vol. 6, p. 155-159, Massachusetts:Berkshire publishing group LLC, ISBN: 1933782404
58. Campagna M, Iannuzzi Y (2012). Le tecnologie informatiche per la costruzione della conoscenza sul patrimonio insediativo: esperienze in Sardegna. DISEGNARE CON..., vol. speciale, ISSN: 1828-5961 numero ISBN: non indicato. numero ISMN: non indicato. Codice ISSN: 1828-5961
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61. DE MONTIS A, CHASCHILI S, CHESSA A, CAMPAGNA M, (2010) Urban management in the face of complexity: commuting networks in insular Italia, International Journal of Sustainable Development, (13), 2010 ,185, 199
62. IANNUZZI Y, CAMPAGNA M (2010) SDI development and Spatial Planning in Sardinia, Sesta Conferenza Nazionale INPUT 2010, Las Casas G, Pontrandolfi G, Murgante B (eds) Casa Editrice Libria, pp 47-58
63. CRAGLIA M, CAMPAGNA M. (eds) (2009). Report on Advanced Regional Spatial Data Infrastructures in Europe. European Commission Joint Research Centre IES, vol. EUR 23716 EN -2009, p. 1-132, ISBN: 978-92-79-11281-2
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66. CAMPAGNA M. (2009). Naturbanization processes in Sardinia. In: PRADOS M.J. ED. Naturbanization: new identities and processes for rural-natural areas. p. 93-105, LEIDEN: CRC Press / Balkema, Taylor and Francis Group, ISBN/ISSN: 978-0-415-49000-9
67. DE MONTIS A, CASCHILI S, CAMPAGNA M., CHESSA A, DEPLANO G (2008). Time Evolution of Complex Networks: Commuting Systems in Insular Italia. In: 48th Congress of the European Regional Science Association. Liverpool (UK), 27-31 Agosto 2008
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69. De Montis A, Chessa A, Campagna M, Caschili S, Deplano G (2007) "Grouping complex systems: a weighted network comparative analysis", International Conference Proceedings of the Joint Congress of the European Regional Science Association (47th Congress) and ASRDLF (Association de Science Régionale de Langue Française, 44th Congress)ERSA 2007, Paris (FR), <http://sadapt.inapg.inra.fr/ersa2007/papers/585.pdf>
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## RESEARCH PROJECTS (selected)

From 2019 to 2020

Position: Principal Investigator

Project: geodesign study on the Future Sustainable Tourism Development in the Gulf of Oristano (Sardinia, Italy)

Funded by: Municipality of Oristano, Italy

From 2019 to 2021

Position: Principal Investigator

Project: Investigating the relationships between knowledge-building and design and decision-making in spatial planning with geodesign

Funded by: Fondazione di Sardegna, Italy

From 2019 to 2021

Position: Investigator

Project: Paesaggi rurali della Sardegna: pianificazione di infrastrutture verdi e blu e di reti territoriali [Rural landscapes in Sardinia: green and blue infrastructure planning

Funded by: Regional Government of Sardinia

From 2018 to 2019

Position: Technical Advisor

Project: AEKOM – Knowledge Management and Sharing Platform of the Association of European Schools of Planning

Funded by: AESOP

From 2015 to 2017

Position: Member

Project: COST Action TD1202

Funded by : COST Action, European Commission

From 2014 to 2017  
Position: Member Committee Substitute  
Project: COST Action IC1203  
Funded by : COST Action, European Commission

From 2014 to 2015  
Position: investigator  
Project: Geodesign and Parametric Modeling of Territorial Occupation: new resources of geo-technologies to landscape management of Pampulha Region, Belo Horizonte  
Funded by: CNPq – National Council for the Scientific and Technological Development – Call MCTI/CNPQ/MEC/CAPES N° 22/2014, Process: 471089/2014

From 2013 to 2014  
Position: investigator  
Project: Parametric Modeling of Territorial Occupation: proposal of new resources of geo-technologies to represent and plan the urban territory  
Funded by: CNPq – National Council for the Scientific and Technological Development. Process 405664/2013-3, Call MCTI/CNPq/MEC/CAPES N° 43/2013

From 2012 to 2015  
Position: research unit coordinator – Principal Investigator  
Project: Strategic Environmental Assessment and Spatial Data Infrastructures (SDI): new tools for Landscape Planning and spatial governance  
Employer: Università degli Studi di Cagliari, DIT, Via Marengo 3, Cagliari Italy  
(Funded by Regional Government of Sardinia ex LR n°7/2007)

From 2009 to 2010  
Position Scientific Coordinator  
Project: Spatial Data Infrastructures (SDI) e geospatialweb: new tools for spatial governance  
Employer: Università degli Studi di Cagliari, DIT, Via Marengo 3, Cagliari Italy

From July 2008 to September 2009  
Researcher  
Project: “Attività finalizzate all'internazionalizzazione dell'Infrastruttura dell'Informazione Territoriale (IIT) Lombarda in riferimento al progetto RELIT ed alla Direttiva INSPIRE”  
Employer: European Commission, Joint Research centre

Duration 22 months (started in march 2006)  
Position: Researcher  
Project: PON 2000/2006, Misura II.2. Società dell'Informazione per il Sistema scientifico meridionale CyberSAR “Simulazione modellistica nella pianificazione territoriale e ambientale  
Employer: Università degli Studi di Cagliari, DIT, Via Marengo 3, Cagliari Italy  
Duties: In the CyberSAR project, I worked on a work package on simulation modelling for spatial, environmental and service planning. Main duties involved the development of a spatial database for the development of spatial complex network model. The work involved the use of the ESRI ArcGIS software for spatial data (vector and networks) integration and environmental analysis, and the implementation of routines for spatial and complex network analysis.

From 2006 to 2006  
Position Scientific Coordinator  
Project: Planning Support Systems (PSS) for Strategic Environmental Assessment (SEA)  
Employer: Università degli Studi di Cagliari, DIT, Via Marengo 3, Cagliari Italy

From 2001 to 2005

Position: Research assistant

Project: Integrated Project for the Historic Centre redevelopment in La Habana Vieja, Cuba

Employer: Università degli Studi di Cagliari, DIT, Via Marengo 3, Cagliari Italy

From 2003 to 2004

Position: Research assistant

Project: Implementation of an Environmental Assessment Laboratory for Coastal Tourism development monitoring in SW Sardinia

Employer: Università degli Studi di Cagliari, DIT, Via Marengo 3, Cagliari Italy

From 2001 to 2002

Position: Research assistant

Project: National Interest Research, funded by the Italian Ministry of Education and Research, "Building an Atlas of Italian Cities"

Employer: Università degli Studi di Cagliari, DIT, Via Marengo 3, Cagliari Italy

From 2001 to 2002

Position: Research assistant

Project: Joint Project Università degli Studi di Cagliari -Tomsk Polytechnic University ex RL 19: "Online Geographic Information Systems for urban and regional sustainable development management".

Employer: Università degli Studi di Cagliari, DIT, Via Marengo 3, Cagliari Italy

From 1997 to 2002

Position: Research assistant

Project: "Building geo-data repository for the Italian Planning System" founded by the Italian National Research Council (CNR)

Employer: Università degli Studi di Cagliari, DIT, Via Marengo 3, Cagliari Italy

From 2000 to 2001

Position: Research assistant

Project: Joint Project Università degli Studi di Cagliari -Tomsk Polytechnic University ex RL 19: "Geographic Information System Design in planning and management for urban sustainable development"

Employer: Università degli Studi di Cagliari, DIT, Via Marengo 3, Cagliari Italy

From 1998 to 1999

Position: Research assistant

Project: National Interest Research Project, funded by the Italian Ministry of Education and Research, "Urban spaces morphogenesis"

Employer: Università degli Studi di Cagliari, DIT, Via Marengo 3, Cagliari Italy

From 1998 to 1998

Position: Research assistant

Project: "GIS for planning"

Employer: Università degli Studi di Cagliari, DIT, Via Marengo 3, Cagliari Italy

From 1997 to 1997

Position: Research assistant

Project: National Interest Research Project, funded by the Italian Ministry of Education and Research "New models in Planning",

Employer: Università degli Studi di Cagliari, DIT, Via Marengo 3, Cagliari Italy

## **CONSULTING** (contracts list)

From December 2004 to February 2006

Position: Senior consultant

Responsibilities: Senior GIS/Planning Consultant for the Regional Landscape Master Plan development

Contractor: Regional Government of Sardinia, Planning Department, Cagliari (IT)

From 2004 to 2004

Position: Consultant

Responsibilities: GIS design/implementation for public transportation system analysis in Sardinia (ext.)

Contractor: Porto Terminal Mediterraneo S.P.A., Prot. n° 238 05/07/2004

From 2003 to 2004

Position: Consultant

Responsibilities: New EIA procedures design for the Regional Government of Sardinia

Contractor: Progemisa Spa, Cagliari (IT)

From 2002 to 2004

Position: Consultant

Responsibilities: GIS design and implementation for public transportation system analysis in Sardinia

Contractor: Porto Terminal Mediterraneo S.P.A., Cagliari (IT). Prot. n° 227 13/05/2002

From 2003 (12 months)

Position: Consultant

Responsibilities: GIS design and implementation for Coastal Tourist development and environmental impact assessment support in Sardinia

Contractor: Forma Urbis S.P.A. Padova (IT)

From September 2003 to December 2003

Position: Senior Consultant

Responsibilities: GIS unit coordinator - Project PON ATAS 2000/06, "Difesa del Suolo", at the Regional Government of Sardinia

Contractor: Italian Ministry of Environment

From 2002 to 2003

Position: Consultant

Responsibilities: GIS design and implementation for the Nuraminis Master Plan making and management

Contractor: Alan Batzella Architect, Cagliari (IT)

From June 2002 to October 2002

Position: Research consultant- Project manager

Responsibilities: GIS design for Historic Centres redevelopment process support in Sardinia

Contractor: Università degli Studi di Cagliari, DIT. Contract n° 17/2002 06/06/2002 DIT

From February 2002 to May 2002

Position: Research consultant

Responsibilities: Geodatabase design and implementation for the spatial plans of the Nuoro and Sassari Provinces in Sardinia

Contractor: Università degli Studi di L'Aquila, DAU. Piazzale Ernesto Pontieri, 267040 Monteluco di Roio - L'aquila (IT)

From December 2001 to February 2002

Position: Research consultant- Project manager

Responsibilities: GIS design for Cultural and Historical resources management in South Sardinia

Contractor: Università degli Studi di Cagliari, DIT. Contract n° 42/2001 17/12/2001 DIT

From June 2001 to September 2001

Position: Research consultant- Project manager

Responsibilities: GIS design for Historic Centres redevelopment process support

Contractor: Università degli Studi di Cagliari, DIT. Contract n° 18/2001 28/06/2001 DIT

From May 2001 to July 2001

Position: Research consultant- Project manager

Responsibilities: GIS database and web-GIS design

Contractor: Università degli Studi di Cagliari, DIT. Contract n° 6A/2001 11/05/2001 DIT

From June 1999 to November 1999

Position: Research consultant - Project manager

Responsibilities: GIS database design and implementation  
Contractor: Università degli Studi di Cagliari, DIT. Contract n° 30A/99 del 02/06/1999 DIT  
From November 1997 to March 1998  
Position: Consultant  
Responsibilities: Geodatabase design and implementation; spatial analysis and cartographic representations for the Coastal Plan of the Cagliari Province  
Contractor: Giancarlo Deplano engineering, Cagliari (IT)

**WORKSHOP and TRAINING COURSES (as coordinator and chairman, selected)**

1. Chairman of the International Summer Workshop on Scenario Analysis in Urban and Regional Planning 2010, In collaboration with the University of Cagliari and the Hafen City University of Hamburg, Chairman: Prof. Michele Campagna and Alenka Poplin; Cagliari June-July 2010
2. Coordinator of the Erasmus IP International Summer School on ICT in Spatial Planning 2011, in collaboration with University of Cagliari, Hafen City University Hamburg, University College Dublin; Chairman: Prof. Michele Campagna (coordinator), Alenka Poplin, Zorica Nedovic Budic. Cagliari July-August 2011
3. Co-coordinator of the post-graduate Geodesign workshop: "Future development scenarios for the Pampulha region in Belo Horizonte" at the Universidade Federal de Minas Gerais, Belo Horizonte (BR), August 2015. Chairman: Prof. Ana Clara Moura, Prof. Michele Campagna
4. Co-coordinator with Carl Steinitz of the Geodesign workshop 2016: "Future development scenarios for the Cagliari Metro Area" at the University of Cagliari
5. Co-chair with Prof. Carl Steinitz of the DLA 2020 International Geodesign workshop
6. Co-chair with Prof. Carl Steinitz of the International Geodesign Collaboration (IGC) workshops in Asia-Oceania, Europe-Africa, North-South America, Central Africa.  
<https://www.igc-geodesign.org/geodesign-workshops>