

**PERSONAL INFORMATION AI FINI DELLA PUBBLICAZIONE**

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Associate professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator

**WORK EXPERIENCE**

From 1st October 2015 to today	Associate Professor for the scientific disciplinary sector ICAR/20 (URBAN AND REGIONAL PLANNING) at the School of Engineering (SI), University of Basilicata (UNIBAS)
From October 2006 to October 2015	Researcher for the scientific disciplinary sector ICAR/20 (URBAN AND REGIONAL PLANNING) at the Department of Architecture, Planning and Transport Infrastructures, Faculty of Engineering, University of Basilicata (UNIBAS)

**EDUCATION AND TRAINING**

2004	PhD in " Science and methods for European cities and territories" (SSD ICAR 20), Faculty of engineering University of Pisa (IT)
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**WORK ACTIVITIES**

**Teaching**

- 2002-2003 "Geographical information Systems for Spatial planning" Faculty of Engineering; University of Basilicata
  - 2003-2004- master in "New approaches in Spatial Planning and Management " University of Basilicata "Geographical information Systems for Spatial planning"
  - 2003-2004- master in "New approaches in Spatial Planning and Management " University of Basilicata "GIS as Spatial Decision Support System"
  - 2003-2004- master in "New approaches in Spatial Planning and Management " University of Basilicata "Advanced Techniques of Spatial Analysis"
  - 2004 – 2008 "Theory and Techniques of Urban and Regional Planning" Faculty of Engineering; University of Basilicata
  - 2005 – 2006 master in "New approaches in Spatial Planning and Management " University of Basilicata "Geographical information Systems for Spatial planning"
  - 2005 – 2006 master in "Design and management of urban and fluvial parks in basin planning" University of Basilicata "Principles and applications of GIS in Spatial planning"
  - 2005 – 2006 master in "New approaches in Spatial Planning and Management " University of Basilicata "Applications of Geographical information in Urban Renewal Programs"
  - 2006 – 2007 master in "Design and management of urban and fluvial parks in basin planning" University of Basilicata "Principles and applications of GIS in Spatial planning"
  - 2006 – 2007 master in "New approaches in Spatial Planning and Management " University of Basilicata "Geographical information Systems for Spatial planning"
  - 2006 – 2007 master in "New approaches in Spatial Planning and Management " University of Basilicata "Application of Geographical information in Urban Renewal Programs"
  - 2006 – 2007 master in "GIS and remote sensing" University of Basilicata "Geographical information Systems for Spatial planning"
  - 2007 – "Fundamental of Geographical Information Systems" Agronomist Professional Association of Basilicata
  - 2008 – 2009 "Geostatistics" PhD school on Planning Department of Architecture and Planning University of l'Aquila.
  - 2008 – 2009 "Techniques and Application of Point Pattern Analysis and spatial autocorrelation" PhD school on Methods and Technologies for Environmental Monitoring University of Basilicata
  - 2008 – 2009 – "Geostatistics" PhD school on "Earth Science" Department of Geological Science University of Basilicata
  - 2008 – 2009 "Theory and Techniques of Urban and Regional Planning" Faculty of Engineering; University of Basilicata
  - 2006 – 2011 "Laboratory of Spatial Planning" Faculty of Engineering; University of Basilicata
  - 2011 – 2012 "Engineering of Territory" Faculty of Engineering; University of Basilicata
  - 2009 – 2023 "Spatial Planning" Faculty/ School of Engineering; University of Basilicata
  - 2019-2022 "Laboratory of Urbanism" School of Engineering; University of Basilicata
1. Eco-cicle Interreg Europe Jun 2018-May 2022
  2. INNOVAGRO Adriatic-Ionian Programme INTERREG V-B Transnational 2014-2020
  3. LOCARBO INTERREG EUROPE 2014-2020
  4. INDICARE Farbas Basilicata Region 2017/18
  5. MEV-CSU Farbas Basilicata Region 2017/20
  6. SMART Basilicata - Bando MIUR n.84/Ric 2012, PON 2007-2013
  7. Smart management of cultural heritage sites in Italy and Argentina: Earth Observation and pilot projects" MAECI 2014-2016
  8. PRO-CULT - PO-FESR Basilicata 2007-13, CNR-IBAM
  9. Technical-scientific study and support for the drafting of the Inter-municipal Structural Plan of the Val d'Agri area - D.G.R. n. 111/10.)
  10. Drafting of Management Plans for Sites of Community Interest (SCI) integrated into 6 homogeneous territorial

**PARTICIPATIONS/  
COORDINATOR OF  
RESEARCH PROJECTS:**

areas according to the principles of large area planning-DGR 551//08, art.15, legge 241/90 e smi

11. CIRES - Fostering Knowledge on Regeneration Strategies in Shrinking Cities across Europe COST Action TU0803
12. Plan4all eContentplus programme
13. Italmad: Logistics and Transportation Integration between Italy and the southern Mediterranean countries,
14. Bank of studies, projects and images for the protection and enhancement of rural heritage 2008-2009
15. Innovation and application of methods for the formation of municipal tools of government of the territory Agreem. DAPIT-M. of Laurenzana (2007-08)
16. TOWNTOLOGY, Urban Ontologies for an improved communication in Urban and Civil Engineering projects,COST Action C21
17. IN.LO.DE. Interreg IIIc/Modele 2000-06
18. SIMCODE Interreg IIIB/Archimed 2000-06
19. SEMSON Interreg IIIB/Archimed 2000-06
20. Preparation of the planning tools of the province according to the regional law 23/99. 21. Agreem. Prov. of Potenza-DAPIT
22. Evaluation of the impact of the Programmes financed by POR on the territorial and urban planning of the Region. Res. funded by the Basilicata Region 2004
23. Contents and methodologies of the Preliminary Document of the Provincial Structural Plan" Agreem. Prov. of Potenza-DAPIT 2003
24. The local territorial systems in Basilicata and the organization of decentralized services in the framework of regional planning. Res. funded by the Basilicata Region (2000)

**Editorial activity** Member of Editorial Board of the following Journals:  
 Archivio di studi urbani e regionali ASUR, GEOmedia, Regional Science Inquiry From 01/2011 to 12/2013, International Journal of Agricultural and Environmental Information Systems (IJAEIS) - IGI Global, Future Internet Open Access Journal (MDPI), Territorio Italia. Land Administration Cadastre and Real Estate , Sustainability — Open Access Journal (MDPI) International Journal of Knowledge Society Research (JKSR) - IGI Global From 01/2010 to 12/2017, Urban Science — Open Access Journal (MDPI), Geoplanning: Journal of Geomatics and Planning (E-ISSN: 2355-6544), Sci — Open Access Journal (MDPI)

**Keynote Speaker** 24th International Conference on Urban Planning and Regional Development in the Information Society 2-4 April 2019 Karlsruhe Institute of Technology, Germany

Sageo 2019 Conference on Spatial analysis and Geomatics IRSTEA Clermont-Ferrand 13 -15 November 2019

4th Geoplanning International Conference "Geospatial Technologies, Spatial Planning, and Regional Development in Pandemic Era" Semarang, Indonesia August 25-26, 2021

Computing Congress 2022 " Geo-computational models in creating scenarios for cities developments" January 27-28, 2022

## ADDITIONAL INFORMATION

### Publications

#### QUALITY INDICATORS AND PUBLICATIONS IMPACT:

H-Index 32, 2,510 citations, 249 Papers indexed,  
 Google Scholar: H-Index 37, 4482 citations, 397 Papers indexed.  
 ResearchGate: H-Index 34 3,461 citations Research Interest Score 2,354

Saganeiti L., Mustafa A., Teller J., Murgante B. (2020). Modeling urban sprinkling with cellular automata. SUSTAINABLE CITIES AND SOCIETY, ISSN: 2210-6707, doi: 10.1016/j.scs.2020.102586

Saganeiti L., Amato F., Nole G., Vona M., Murgante B. (2020). Early estimation of ground displacements and building damage after seismic events using SAR and LiDAR data: The case of the Amatrice earthquake in central Italy, on 24th August 2016. INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION, vol. 51, ISSN: 2212-4209, doi: 10.1016/j.ijdr.2020.101924

Pilogallo, A., Saganeiti, Pontradolfi P. Scorza F., Murgante B., Comparing territorial performances of Renewable Energy Sources' plants with integrated Ecosystem Services losses assessment: Melfi municipality sample area in Basilicata region (Italy). Sustainable Cities and Society Volume 56, May 2020, 102082 DOI:10.1016/j.scs.2020.102082

Amato, F., Tonini, M., Murgante, B., Kanewsky, M. (2018) Fuzzy definition of Rural Urban Interface: An application based on land use change scenarios in Portugal Environmental Modelling and Software Volume 104, Pages 171–187 DOI: 10.1016/j.envsoft.2018.03.0161364-8152/

Martellozzo, F., Amato, F., Murgante, B., Clarke, K.C. (2018) Modelling the impact of urban growth on agriculture and natural land in Italy to 2030 Applied Geography 91, pp. 156-167 DOI: 10.1016/j.apgeog.2017.12.004

Lanorte, A., Danese M., Lasaponara R., Murgante B. (2011) "Multiscale mapping of burn area and severity using multisensor satellite data and spatial autocorrelation analysis" International Journal of Applied Earth Observation and Geoinformation, Elsevier, doi:10.1016/j.jag.2011.09.005

Elfadaly, A., Attia, W., Qelichi, M.M., Murgante B., Lasaponara R. (2018) "Management of Cultural Heritage Sites Using Remote Sensing Indices and Spatial Analysis Techniques" Surveys in Geophysics, Volume 39, Issue 6, pp 1347–1377. DOI: <https://doi.org/10.1007/s10712-018-9489-8>

**Projects**  
**CO – Coordinator**  
**RU – Responsible of Research**  
**Unit**

Murgante B., Borruso G., Balletto G., Saganeiti L., Pilogallo, A., Scorza F., Arghittu A., Castiglia P., Dettori M. (2020). "A methodological proposal to evaluate the health hazard scenario from COVID-19 in Italy," Environmental Research, Volume 209, DOI: 10.1016/j.envres.2022.112873.

LOCARBO "Novel roles of regional and Local authorities in supporting energy consumers' behaviour change towards a low CARBOn economy", INTERREG EUROPE 2014-2020

MEV-CSU Metodologie avanzate per la Valutazione del Consumo di SUolo connesso ai processi di sviluppo del sistema insediativo, relazionale e naturalistico ambientale della Regione Basilicata.

"Farbas Fondazione Osservatorio Ambiente Basilicata" 2017 2020

SMART Basilicata - Bando "Smart Cities and Communities and Social Innovation" (Avviso MIUR n.84/Ric 2012, PON 2007 – 2013 del 2 marzo 2012) Responsible of Research Unit OR 5.3.4 OR5.3.4 "Living Labs" and OF3 "Smart Mobility.

**Dati personali**

Autorizzo il trattamento dei miei dati personali presenti nel cv ai sensi dell'art. 13 del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali" e dell'art. 13 del GDPR (Regolamento UE 2016/679).il documento deve essere inviato in formato word per permettere la pubblicazione sul sito del Dipartimento.

Il sottoscritto dichiara di essere consapevole che il presente *curriculum vitae* sarà pubblicato sul sito istituzionale dell'Ateneo, nella Sezione "Amministrazione trasparente", nelle modalità e per la durata prevista dal d.lgs. n. 33/2013, art. 15.

Potenza, 20.05.2023

Prof. Beniamino Murgante