

Marco Modica

<http://www.gssi.infn.it/people/professors/lectures-social-science-gssi-cities/item/2160-modica-marco>

CURRENT POSITION	<i>November 2021 - current</i> Associate Professor <i>GSSI, Gran Sasso Science Institute.</i>
EDUCATION	<i>March 2010 - July 2013</i> Ph.D in Economics, Market, and Institutions <i>I.M.T - Institute for Advanced Studies, Lucca</i> <i>September 2006 - July 2009</i> Master of Science (Laurea Specialistica) in <i>Economics and Finance</i> <i>Università degli Studi di Palermo, Faculty of Economics, Palermo (IT)</i> Magna cum laude.
HONORS AND GRANTS	2017 Premio GSSI-AISRe "MIGLIOR PAPER PRESENTATO DA UN GIOVANE STUDIOSO" - IX Edizione 2016 Marie Skłodowska-Curie Actions Seal of Excellence 2015 Short Term Mobility Program of CNR 2011 3rd classified Captha Prize for outstanding undergraduate dissertation 2010 I.M.T. - Institute for Advanced Studies Lucca, Ph.D scholarship 2009 MEF scholarship (University of Naples) 2009: Magna cum laude (University of Palermo).
OTHER ACADEMIC QUALIFICATIONS	National Academic Qualification as Full Professor in Political Economy(SECS–P/02), from 27/01/2022 National Academic Qualification as Full Professor in Applied Economics(SECS–P/06), from 21/01/2022 Member of the Italian Regional Science Association Member of the European Regional Science Association Member of the Regional Science Association International Member of the Italian Economic Society.

PAST WORK
EXPERIENCES

January 2018 – October 2021
Assistant Professor
GSSI, Gran Sasso Science Institute.

December 2013 - December 2017
Postdoctoral Research Fellow
CNR - IRCrES, Research Institute on Sustainable Economic Growth

August 2016 - March 2017
Consultant on *biodiversity conservation, protection of the marine and coastal environment and development of sustainable economy* for Istituto Tagliacarne and Italian Ministry of Environment.

PH.D THESIS

Essays in Regional and Complex Urban Economics.

JOURNAL
ARTICLES

1. Learning from the past: a machine-learning approach for predicting the resilience of locked-in regions after a natural shock (with F. Fantechi). (*Regional Studies*) 1-14.
2. The biogas dilemma: An analysis on the social approval of large new plants (with Mazzanti M., Rampa, A.), (*Waste Management*) [IF: 7.145]
DOI doi.org/10.1016/j.wasman.2021.07.026
3. Assessing Disaster Risk by Integrating Natural and Socio-Economic Dimensions: A Decision-Support Tool (with Marin, G., Paleari, S. Zoboli, R.), (*Socio-Economic Planning Sciences*) [IF: 4.149]
4. Local Demand Shocks and Firms' Survival: an Application to the Italian Economy during the Great Recession (with G. Marin), *Papers in Regional Science*, DOI: <https://doi.org/10.1111/pirs.12587> [IF: 2.22]
5. Resilience, Performance and Strategies in Firms' Reactions to the Direct and Indirect Effects of a Natural Disaster (with A. Marzucchi, D. Antonioli), (*Networks and Spatial Economics, forthcoming*) [IF: 2.379]
6. Do inner areas matter? Conceptualization, trend and strategies for the future of these areas (with Urso, G., Faggian, A.), (*Scienze Regionali, forthcoming*)
7. One country, two populist parties: explaining the determinants of voting patterns of the 2018 Italian political elections, (with A. Faggian, F. Modrego and G. Urso), (*Regional Science Policy and Practice*) [IF:0.352]
8. Near miss housing market response to the 2012 northern Italy earthquake: The role of housing quality and risk perception (with F. Meroni, T. Squarcina, V. Pessina, M. Locati and R. Zoboli), *Urban Studies*, DOI: <https://doi.org/10.1177/0042098020943490> [IF: 2.828]
9. Natural disasters and the economy (Editorial, with A. Faggian), *Review of Regional Research*, DOI: <https://doi.org/10.1007/s10037-020-00146-3>
10. Enhancing preparedness for managing debris from earthquakes. Lessons from Italy (with S. Paleari and A. Rampa), *Natural Hazards*, [IF: 2.427]
11. Can extreme events be an opportunity? Depopulation and resilience of rural communities in Central Italy after the 1997 earthquake (with Fantechi, F., Urso, G.), *Journal of Rural Studies*, DOI: <https://doi.org/10.1016/j.jrurstud.2020.08.047> [IF: 3.544]
12. Economic landslide susceptibility under a socio-economic perspective: an application to Umbria Region (Central Italy) (with Donnini, M., Salvati, P., Marchesini, I., Rossi, M., Guzzetti, F., Zoboli, R.), *Review of Regional Research*, DOI: <https://doi.org/10.1007/s10037-020-00143-6>
13. School infrastructure spending and educational outcomes: Evidence from the 2012 earthquake in Northern Italy, (with Belmonte, Bove, and D'Inverno), *Eco-*

14. A Holistic Alert Management Platform as a Result of Technology Transfer, (with Iovino, L., D'Emidio, M.), (*Journal of Urban Technology*), DOI: 10.1080/10630732.2020.1717280 (online print) [IF: 2.25]
15. Resilienza e legge di Gibrat: considerazioni metodologiche ed applicazioni empiriche, (with A. Reggiani), *Scienze Regionali*, 19, 1/2020: 9-32. ISSN 1720-3929
16. Does related-variety affect regional resilience? New evidence from Italy, (with G. Cainelli and R. Ganau), *The Annals of Regional Science*, 62: 657–680 [IF: 1.075]
17. Resilience and sectoral composition change of Italian inner areas in the face of the Great Recession (with Urso, G., Faggian, A.), *Sustainability*, 11.9: 2679 [IF: 2.592]
18. The Post-Earthquake Reconstruction in L'Aquila: Some Reflections (with Faggian, A., Aloisio, R.), *Scienze Regionali*, 18, 3/2019: 515-52. ISSN 1720-3929
19. Industrial Relatedness and Regional Resilience in the European Union, (with G. Cainelli and R. Ganau), *Papers in Regional Science*, DOI: 10.1111/pirs.12377, (online print) [IF: 1.657]
20. Impianti di biogas e valori immobiliari: le potenziali esternalità negative *EyesReg*, 8(3) ISSN: 2239-3110
21. Does the construction of biogas plants affect local property values? 2017, *Economics Letters*, 159: 169-172, DOI: 10.1016/j.econlet.2017.07.030 [IF: 0.581]
22. Socio-economic exposure to natural disasters, (with G. Marin), 2017, *Journal of Environmental Impact Assessment Review*, 64: 57-66, DOI: 10.1016/j.eiar.2017.03.002 [IF: 3.054]
23. The impact of the European Union integration on the city size distribution of the Member States, 2017, *Habitat International*, 70: 103-113, DOI: 10.1016/j.habitatint.2017.10.011 [IF: 3.000]
24. Book Review. G Gardner, T Prugh and M Renner, Can a city be SUSTAINABLE? State of the World, 2017, *Environment and Planning B: Planning and Design*, 44(3): 588-589, DOI:10.1177/0265813516677614 [IF: 2.046]
25. A Damage Scenario for the 2012 Northern Italy Earthquakes and Estimation of the Economic Losses to Residential Buildings, (with F. Meroni, T. Squarcina, V. Pessina, M. Locati and R. Zoboli), 2017, *International Journal of Disaster Risk Science*, 8(3): 326-341, DOI: 10.1007/s13753-017-0142-9 [IF: 1.222]
26. Mapping the environmental pressure due to economic factors. The case of Italian coastal municipalities (with E. Pagliarino and R. Zoboli), 2017, *Argomenti*, 8: 73-105, DOI: 10.14276/1971-8357.999
27. Vulnerability, Resilience, Hazard, Risk, Damage and Loss: A Socio-ecological framework for natural disasters (with R. Zoboli), 2016, *Web Ecology*, 16: 59-62, DOI:10.5194/we-16-59-2016 [IF: 0.793]
28. Spatial Economic Resilience: Overview and Perspectives (with A. Reggiani), 2015, *Networks and Spatial Economics*, 15: 211-233, DOI 10.1007/s11067-014-9261-7 [IF: 2.695]
29. Pareto or log-normal? Best fit and truncation in the distribution of all cities (with G. Fazio), 2015, *Journal of Regional Science*, 55(5): 736-756, [IF: 2.243].

**REVIEWER
ACTIVITY**

(The) Annals of Regional Science; Applied Geography; Asia-Pacific Journal of Regional Science; Cities; Computers, Environment and Urban Systems; Economia Politica; Economic Geography; Energy Policy; Environment and Planning B; Environment, Development and Sustainability; Environmental Impact Assessment Review;(The) European Journal of Development Research; Forests; Global Environmental Change; Habitat International; International Journal of Disaster Risk Reduction; International Journal of Disaster Risk Science; International Regional Science Review; Journal of Planning Literature; Journal of Regional Science; Journal of Small Business Management; Land Use Policy; Miscellanea Geographica; Natural Hazards and Earth System Sciences; Networks and Spatial Economics; Papers in Regional Science; Physica A; PLOS ONE; REGION; Regional Studies; Review of Regional Research; Science of the Total Environment; Scientific Reports; Small Business Economics; Social Science Research; Structural Change and Economic Dynamics; Survey Review; Sustainability; Technovation; Transportation Research Part A: Policy and Practice; Urban Science; Urban Studies; Waste Management; Web Ecology.

**LANGUAGE
SKILLS**

Italian: mother tongue
English: fluent.

**COMPUTER
SKILLS**

OS: Windows, Linux, OS X
Excellent knowledge of the MS Office
Econometric software: Stata, Gretl, R, gnuplot
Other software: Matlab, Qgis
LATEX.

Roma, 13/09/2022