

## **CURRICULUM VITAE ET STUDIORUM**

**EMANUELA MARROCU**

**(selected activities, last update February 2022)**

### **CURRENT POSITION**

Professor of Econometrics (SECS-P/05), Department of Economics and Business, University of Cagliari.

### **PAST POSITIONS**

2006-17 Associate Professor of Econometrics (SECS-P/05), Università di Cagliari, Italy.

1999-06 Assistant Professor of Economics (SECS-P/01), Università di Cagliari, Italy.

### **AFFILIATIONS**

Centro Ricerche Economiche Nord Sud (CRENoS, Centre for North South Economic Research), Università di Cagliari and Università di Sassari

Società Italiana di Econometria, Società Italiana di Economia, Associazione Italiana di Scienze Regionali (Board member 2016-19)

### **EDUCATION**

2000 PhD in Economics, University of Warwick, United Kingdom.

1998 Dottorato di Ricerca in Economia Politica, Università di Napoli Federico II, Italy.

1995 MSc. in Economics, University of Warwick, United Kingdom.

1993 Laurea in Political Science, major Economics, magna cum laude, Università di Cagliari, Italy.

### **RESEARCH**

#### **Research interests**

Time series econometrics; spatial econometrics and regional economics; knowledge diffusion and innovation; tourism economics.

#### **Publications**

*Articles published in peer-review journals*

1. E. Marrocu, R. Paci, D. Rigby and S. Usai (2022), Evaluating the Implementation of Smart Specialization Policy, *Regional Studies*, forthcoming.

2. G. Caruso, E. Mallus, E. Marrocu and R. Paci (2020), Gli effetti del contesto territoriale sull'efficienza delle università in Italia, *Eyesreg*, 10(7).
3. S. Balia, R. Brau and E. Marrocu (2018), Interregional patient mobility in a decentralized health care system, *Regional Studies*, 52(3), 388-402, DOI: 10.1080/00343404.2017.1307954. ISSN print: 0034-3404.
4. R. Brancati, E. Marrocu, M. Romagnoli and S. Usai (2018), Innovation activities and learning processes in the crisis. Evidence from Italian export in manufacturing and services, *Industrial and Corporate Change*, 27(1), 107-130, DOI: 10.1093/icc/dtx022. ISSN online: 1464-3650; ISSN print 0960-6491.
5. S. Usai, E. Marrocu and R. Paci (2017), Networks, proximities and interfirm knowledge exchanges, *International Regional Science Review*, 40(4), 377-404, DOI: 10.1177/0160017615576079. ISSN: 0160-0176.
6. M.C. Di Guardo, E. Marrocu and R. Paci (2016), The effect of local corruption on ownership strategy in cross-border mergers and acquisitions, *Journal of Business Research*, 69(10), 4225-4241, <http://dx.doi.org/10.1016/j.jbusres.2016.03.002>. ISSN: 0148-2963.
7. M.C. Di Guardo, E. Marrocu and R. Paci (2016), The concurrent impact of cultural, political, and spatial distances on international Mergers and Acquisitions, *The World Economy*, 39(6), 824-852, DOI: 10.1111/twec.12275. ISSN: 0378-5920.
8. R. Boschma, E. Marrocu and R. Paci (2016), Symmetric and Asymmetric effects of proximities. The case of M&A deals in Italy, *Journal of Economic Geography*, 16 (2), 505-535, DOI: 10.1093/jeg/lbv005. ISSN: 1468-2702.
9. E. Marrocu, R. Paci and A. Zara (2015), Micro-economic determinants of tourist expenditure: a quantile regression approach, *Tourism Management*, 50,13-30, DOI:10.1016/j.tourman.2015.01.006. ISSN: 0261-5177.
10. R. Paci and E. Marrocu (2014), Tourism and regional growth in Europe, *Papers in Regional Science*, 93, Supplement 1, S25-S50, DOI: 10.1111/pirs.12085. ISSN online: 1435-5957.
11. R. Paci, E. Marrocu and S. Usai (2014), The complementary effects of proximity dimensions on knowledge spillovers, *Spatial Economic Analysis*, 9, 9-30, DOI: 10.1080/17421772.2013.856518. ISSN: 1742-1772.  
The Editors of Spatial Economic Analysis (SEA) selected this article as the Regional Science Association Best Paper for SEA 2015 (published in 2014).
12. E. Marrocu, R. Paci and S. Usai (2013), Proximity, networking and knowledge production in Europe: what lessons for innovation policy?, *Technological Forecasting & Social Change*, 80, 1484-1498, <http://dx.doi.org/10.1016/j.techfore.2013.03.004>. ISSN: 0040-1625.
13. R. Paci and E. Marrocu (2013), Knowledge assets and regional performance, *Growth and Change*, 44, 228-247, DOI: 10.1111/grow.12010. ISSN: 0017-4815.
14. E. Marrocu and R. Paci (2013), Different tourists to different destinations. Evidence from spatial interaction models, *Tourism Management*, 39, 71-83, DOI: 10.1016/j.tourman.2012.10.009. ISSN: 0261-5177.
15. E. Marrocu and R. Paci (2013), Regional development and creativity, *International Regional Science Review*, 36(3), 354-391, DOI: 10.1177/0160017612461915. ISSN: 0160-0176.
16. E. Marrocu, R. Paci and S. Usai (2013), Productivity growth in the Old and New Europe: the role of agglomeration externalities, *Journal of Regional Science*, 53 (3), 418-442, DOI: 10.1111/jors.12000. ISSN: 0022-4146.
17. E. Marrocu and R. Paci (2012), Education or creativity: what matters most for economic performance? *Economic Geography*, 88(4), 369-401, DOI: 10.1111/j.1944-8287.2012.01161.x. ISSN: 0013-0095.

18. E. Marrocu, R. Paci and M. Pontis (2012), Intangible capital and firms' productivity, *Industrial and Corporate Change*, 21, 377-402, DOI:10.1093/icc/dtr042. ISSN: 0960-6491.
19. B. Dettori, E. Marrocu and R. Paci (2012), Total factor productivity, intangible assets and spatial dependence in the European regions, *Regional Studies*, 46, 1401-1416, DOI: 10.1080/00343404.2010.529288. ISSN: 0034-3404.
20. E. Marrocu and R. Paci, (2011), They arrive with new information. Tourism flows and production efficiency in the European regions, *Tourism Management*, 32, 750-758, DOI: 10.1016/j.tourman.2010.06.010. ISSN: 0261-5177.
21. E. Marrocu and R. Paci, (2010), The effects of public capital on the productivity of Italian regions, *Applied Economics*, 42, 989-1002, DOI: 10.1080/00036840701721083. ISSN: 0003-6846.
22. E. Marrocu (2006), An investigation of the effects of data transformation on nonlinearity, *Empirical Economics*, 31, 801-820, DOI 10.1007/s00181-006-0055-8. ISSN: 0377-7332.
23. G. Boero and E. Marrocu (2005), Evaluating non-linear models on point and interval forecasts: an application with exchange rates, *BNL Quarterly Review*, LVIII, 232, 91-120. ISSN: 0005-4607. Marzo 2005, Roma.
24. G. Boero and E. Marrocu (2004), The performance of SETAR models: a regime conditional evaluation of point, interval and density forecasts, *International Journal of Forecasting*, 20, 305-320, DOI:10.1016/j.ijforecast.2004.09.011. ISSN: 0169-2070. Special issue on forecasting economic and financial time series using non-linear models.
25. G. Boero and E. Marrocu (2002), The performance of non-linear exchange rate models: a forecasting comparison, *Journal of Forecasting*, 21, 513-542, DOI: 10.1002/for.837. ISSN: 0277-6693.
26. E. Marrocu, R. Paci and R. Pala (2001), Estimation of total factor productivity for regions and sectors in Italy. A panel cointegration approach, *Rivista Internazionale di Scienze Economiche e Commerciali*, XLVIII, 533-558. ISSN: 0035-6751. Dicembre 2001, CEDAM, Milano
27. G. Boero and E. Marrocu (2000), Modelli non lineari per i tassi di cambio: un confronto previsivo con dati a diversa frequenza, *Moneta e Credito*, LIII, 385-415, Rivista trimestrale della Banca Nazionale del Lavoro, Dicembre 2000, Roma.

#### Articles in books

1. E. Marrocu, R. Paci (2020), Il livello di efficienza delle Università Pubbliche. In B. Biagi (a cura di) *Economia della Sardegna 27° Rapporto*, Arkadia Editore, Cagliari, ISBN 978-88-68512-85-9, pp. 145-150.
2. M. Bellandi, B. Bianchi, A. Faggian, E. Marrocu, S. Usai (2018), Introduzione a M. Bellandi, B. Bianchi, A. Faggian, E. Marrocu, S. Usai (Eds), *Regional Development Trajectories beyond the Crisis – Nuovi Percorsi di Sviluppo Regionale oltre la Crisi*, volume 55, Scienze Regionali, FrancoAngeli, Milano. ISBN 978-88-917-7203-9.
3. R. Brancati, E. Marrocu, M. Romagnoli and S. Usai (2018), Italian firms' interregional trade decisions. In M. Bellandi, B. Bianchi, A. Faggian, E. Marrocu, S. Usai (Eds), *Regional Development Trajectories beyond the Crisis – Nuovi Percorsi di Sviluppo Regionale oltre la Crisi*, volume 55, Scienze Regionali, FrancoAngeli, Milano. ISBN 978-88-917-7203-9
4. S. Usai, E. Marrocu and R. Paci (2016), Local clusters and global networks: the role of different dimensions of proximity. In U. Hilpert (ed), *Handbook of Politics and Technology*. Routledge, Taylor and Francis Group, London and New York. ISBN 978-0-415-69201-4, pp. 107-119.
5. E. Marrocu (2015), Le determinanti della spesa turistica. In A. Zara e D. Cao (curatori), *Destinazione Sardegna - Analisi della domanda turistica*. CUEC, Cagliari. ISBN 978-88-8467-931-4, pp. 103-110.

6. S. Balia, R. Brau and E. Marrocu (2014), What drives patient mobility across Italian regions? Evidence from hospital discharge data. In R. Levaggi and M. Montefiori (Eds), *Health Care Provision and Patient Mobility*. Series: Developments in Health Economics and Public Policy, P. Zweifel (Ed). Springer, Milan Heidelberg New York Dordrecht London. ISBN 978-88-470-5479-0; DOI: 10.1007/978-88-470-5480-6, pp. 133-154.
7. M. Foddi, E. Marrocu, R. Paci and S. Usai (2013), Knowledge, human capital and regional performance. In R. Capello and C. Lenzi (Eds), *Territorial Patterns of Innovation - An Inquiry on the Knowledge Economy in European Regions*. Series: Routledge Advances in Regional Economics, Science and Policy. Routledge: Abington, Oxon; London and New York; ISBN 978-0-415-63606-3 (hbk) ISBN 978-0-203-08566-0 (ebk), pp. 183-209.
8. E. Marrocu, R. Paci and F. Pigliaru (2006), Gli effetti del capitale pubblico sulla produttività delle regioni italiane. In F. Barca, F. Cappelletto, L. Ravoni, M. Volpe (curatori), *Federalismo, equità, sviluppo - I risultati delle politiche pubbliche analizzati e misurati dai Conti Pubblici Territoriali*, Il Mulino, Bologna, ISBN 88-15-11485-8, pp. 191-215.

#### Articles published in conference proceedings

S. Balia, R. Brau and E. Marrocu (2016), Modelling inter-regional patient mobility: evidence from the Italian NHS. In M. Pratesi and C. Pena (Eds), *Proceedings of the 48th Scientific Meeting of the Italian Statistical Society 2016*. Società Italiana di Statistica. ISBN 9788861970618.

#### Edited books

E. Marrocu (2004), *Economia della Sardegna, 11° Rapporto*, CRENoS, CUEC Cagliari, ISBN 88-8467-178-7.

#### Working papers

E. Marrocu, R. Paci, S. Usai (2021), *Direct and indirect effects of university on European regional productivity*, Contributi di Ricerca CRENoS 2021/07.

E. Marrocu, R. Paci, D. Rigby, S. Usai (2020), *Smart Specialization Strategy: any relatedness between theory and practice?* Contributi di Ricerca CRENoS 2020/04.

M. Maggioni, E. Marrocu, E. Uberti, S. Usai (2019), *Of Trees and Monkeys. The evolution of technological specialization of European regions*, DISEIS-Quaderni del Dipartimento di Economia internazionale, delle istituzioni e dello sviluppo, Università Cattolica del Sacro Cuore, DISEIS WP 1904.

#### Citations

ISI Web of Knowledge H-index 16

Scopus H-index 17

Google Scholar H-index 23

#### Current research

- Specialization of European regions and EU cohesion policies (with R. Paci, D. Rigby and S. Usai).
- The economic and social impact of Universities (with S. Usai, S. Balia, B. Biagi, R. Brau, C. Conversano, L. Frigau, M. Meleddu, F. Mola, R. Paci, M. Porcu, M. Pulina, I. Sulis).
- Patterns of innovation specialization, inventors mobility and firms locational choices (with D. Kogler, M. Maggioni, E. Uberti, S. Usai)

- Agglomeration effects and TFP growth in the European regions (with A. Filippetti, F. Guy, S. Iammarino, R. Paci and Stefano Usai).

### **Coordination of research projects**

- 2019- Measuring the economic and social effects of Universities: the case of UniCA (funded by Università di Cagliari, two-year research projects, 2018).
- 2014-15 Analysis of the Sardinian tourism flows' determinants and of their economic impact (funded by Regione Autonoma Sardegna, LR 7, 2007).
- 2002-04 Rapporto sull'Economia della Sardegna, CRENoS.
- 2001-03 CNR-Agenzia2000, Progetto Giovani Ricercatori, research coordinator of the project "Time series non linear models for forecasting inflation".

### **Partecipation in research projects**

- 2019- Universities, Innovation and economic growth. An analysis at macro and micro level (funded by Regione Autonoma Sardegna, LR 7, 2007, Support to scientific research and technological innovation in Sardinia). Scientific coordinator: Stefano Usai, University of Cagliari and CRENoS.  
2012-15 Analysis of the external market competitiveness of Sardinian productive system, (funded by Regione Autonoma Sardegna, LR 7, 2007, Support to scientific research and technological innovation in Sardinia). Scientific coordinator: Stefano Usai, University of Cagliari and CRENoS.
- 2013-16 Monitoring and evaluation of the economic impact of cultural and sporting events on the local and regional economy, (funded by Regione Autonoma Sardegna, LR 7, 2007, Support to scientific research and technological innovation in Sardinia). Scientific coordinator: Raffaele Paci, University of Cagliari and CRENoS.
- 2011-14 European Commission 7<sup>th</sup> Framework Program, "SEARCH – Sharing knowledge assets: interregionally cohesive neighborhoods", Coordinator AQR Research Group, Department of Econometrics, Faculty of Economics, University of Barcelona. Scientific coordinator of the CRENoS Unit: Raffaele Paci, University of Cagliari and CRENoS.
- 2010-12 KIT (Knowledge, Innovation and Technology) Project, EU ESPON Programme (European Regional Development Fund: 091\_PR1\_13\_0190). Scientific coordinator: Roberta Capello, Politecnico di Milano; scientific coordinator of the CRENoS Unit: Raffaele Paci, University of Cagliari and CRENoS.
- 2008-10 PRIN 2007, "Owenship, Control and Governance of Italian firms", national coordinator G. Immordino. Member of the University of Cagliari Research Unit on "Business control, family firms and firms' performance", local coordinator F. Schivardi.
- 2006-08 PRIN 2005, "Nuove direzioni nella modellazione teorica ed empirica dell'inflazione", coordinatore nazionale Fabio Bagliano. Componente dell'Unità di Ricerca locale dell'Università di Pavia, "Dinamica dell'inflazione e New Keynesian Phillips Curve: teoria e previsione", local coordinator Guido Ascari.

### **Conference organization**

- 2022 Chair of the Local Organizing Committee of the 10th Italian Congress of Econometrics and Empirical Economics, ICEEE 2023, Cagliari, 2023.

- 2021 Member of the Scientific Committee of RSA-Europe Student and ECR Winter College - Regional Development and Public Policy, Cagliari and online, November 30- December 1, 2021.
- 2020 Chair of the Local Organizing Committee of the 9th Italian Congress of Econometrics and Empirical Economics, ICEEE 2021, Cagliari, January, 21-23 2021.
- 2019 Member of the Scientific Committee of RSA-Europe's Socio-Spatial Dynamics Summer College, - Skills, Mobility, Entrepreneurship, Cagliari, September 3-6, 2019.
- 2018 Member of the Scientific Committee of RSA-Europe's Socio-Spatial Dynamics Summer College, - Novel Approaches to Sustainable and Inclusive Development, Cagliari, September 4-7, 2018.
- 2017 Member of the Scientific Committee and Co-coordinator of the Local Organizing Committee of the XXXVII Conferenza Scientifica Annuale AISRe, Cagliari, 20-22 September 2017.
- 2014 Member of the Scientific and Organizing Committee of the Italian Trade Study Group Meeting on "Internationalisation, networks and firm performance", Cagliari, 3-4 July 2014.

**Participation in international seminars and conferences (last 6 years)**

- 2020 61ma Riunione Scientifica Annuale della Società Italiana degli Economisti
- 2019 14th Regional Innovation Policies Conference, Firenze, Italia.
- 2018 59ma Riunione Scientifica Annuale della Società Italiana degli Economisti, Bologna, Italia; 58th ERSA Congress, Cork, Irlanda.
- 2017 58ma Riunione Scientifica Annuale della Società Italiana degli Economisti; XXXVIII Conferenza Scientifica Annuale AISRe, Cagliari, Italia.
- 2016 57ma Riunione Scientifica Annuale della Società Italiana degli Economisti, Milano, Italia; XXXVII Conferenza Scientifica Annuale AISRe, Ancona, Italia; 56th ERSA Congress, Vienna, Austria.
- 2015 56ma Riunione Scientifica Annuale della Società Italiana degli Economisti, Napoli, Italia; 10th Scientific Meeting of the Classification and Data Analysis Group (CLADAG), Santa Margherita di Pula, Cagliari, Italia; XXXVI Conferenza Scientifica Annuale AISRe, Cosenza, Italy; 55th ERSA Congress, Lisbon, Portogallo; International Association for Applied Econometrics Conference, Thessaloniki, Grecia; Annual Meeting of the Association of American Geographers, Chicago, Stati Uniti; Sixth Italian Congress of Econometrics and Empirical Economics, Salerno, Italia.

**Professional activity connected with research activities**

- 2019 Referee for the University of Verona (Italy) Basic Research Projects; Referee for the projects submitted for the call of Friuli Venezia Giulia POR FSE 2014/2020 Specific Programme – Voucher for researchers mobility within JRC Research Centers.
- 2016 Merit evaluator of the project "Sustainable economic growth driven by tourism industry: Building Econometric Sectoral Model and DSS" (project code: P115-17IM-05), the Kuwait Foundation for the Advancement of Sciences –Research Directorate
- 2005-07 Member of the Board of "Osservatorio Economico della Sardegna" (Sardinia Economy Observatory) in the capacity of statistic and economic expert.
- 2006 Research collaboration with the Assessorato alla Programmazione, Bilancio, Credito e Assetto del Territorio della Regione Autonoma della Sardegna for the statistic-economic analysis reported in the official documents concerning the economic regional policy

(Regional Development Plan, Regional Strategic Document and Document for Economic and Financial Planning).

- 2004-05 Research collaboration with the Department of Development Policies (Ministry of Economy and Finance) on the project "Utilizzo della banca dati Conti Pubblici Territoriali: realizzazione di un pacchetto di ricerche applicate" (Empirical applications using the database of the Territorial Public Accounts).

### **EDITORIAL ACTIVITY**

- 2020- Managing Editor of the *Italian Economic Journal*.  
2017-19 Member of the Editorial Board of the *Italian Economic Journal*  
2018 Member of the Editorial Board of *Growth and Change*

### **Referee activity**

Applied Economics, Bulletin of Economic Research, Econometrics, Economic Geography, Environment and Planning, Global Strategy Journal, Growth and Change, Industrial and Corporate Change, Industry and Innovation, International Journal of Forecasting, International Regional Science Review, Italian Journal of Regional Science, Journal of Economic Geography, Journal of Productivity Analysis, Oxford Economic Papers, Papers in Regional Science, Regional Science and Urban Economics, Regional Studies, Research in Economics, Research Policy, Revista Economía Aplicada, Social Science Journal, Small Business Economics: An Entrepreneurship Journal, Spatial Economic Analysis, Technological Forecasting and Social Change, Tourism Management, Tourism Management Perspectives, Urban Geography.

### **INSTITUTIONAL ACTIVITY**

- 2021- Member of the National Scientific Qualification Commission for Sector 13/A5 Econometrics.  
2020- Coordinator of the Group of Evaluation Experts for Area 13a – Economics and Statistics, Research Quality Evaluation, 2015-19.  
2020- Coordinatrice del Gruppo di Esperti della Valutazione per l'Area 13a - Scienze Economiche e Statistiche, Valutazione della Qualità della Ricerca, 2015-19.  
2013- Member of the Board of the Doctoral Program in Economics and Business, University of Cagliari.  
2015-20 Director of Centro Ricerche Economiche Nord Sud (CRENoS, Centre for North South Economic Research), Università di Cagliari and Università di Sassari  
2018-19 Vice-coordinator of Doctoral Program in Economics and Business, University of Cagliari and University of Sassari.  
2016-18 Department delegate for the Accreditation of the Department Quality Management System.  
2014-17 Coordinator of the Committee for the Accreditation of the Quality Management System of the Department Research Activities.  
2006-12 Coordinator of the Undergraduate Degree Course in Economics and European Policy, University of Cagliari.  
2008-12 Political Science Faculty Dean delegate for the Quality Management System of the degree courses.

2008-10 Member of the University of Cagliari Committee on Students Administrative Data Management System.

## **TEACHING**

- 2019- Quantitative Methods course, PhD program in Economics and Business, University of Cagliari.
- 2017- Methods for Econometric Analysis, *Laurea Magistrale* in Economics, University of Cagliari.
- 2013- Econometrics, *Laurea* (undergraduate degree course) in Economics and Finance, University of Cagliari.
- 2016-19 Applied Economics, *Laurea Magistrale* (postgraduate degree course) in Management, University of Cagliari.
- 2008-17 Advanced Econometrics/Methods for Econometric Analysis (from 2014-15), *Laurea Magistrale* in Economics, University of Cagliari.
- 2011-16 Econometrics, *Laurea Magistrale* in Public Administration, University of Cagliari.
- 2010-11 Econometrics and statistical methods for economic and financial decisions, first level Master in “*Finanza, Banca e Impresa*” (Finance, Banking and Firms), University of Sassari.
- 2006-11 Econometrics, *Laurea* in Economics and European Policy, University of Cagliari.