

CURRICULUM VITAE ET STUDIORUM

EMANUELA MARROCU

NATIONALITY

Italian

PERMANENT ADDRESS

University of Cagliari
Department of Economics and Business
Via S. Ignazio 78
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CURRENT POSITION

Associate Professor of Econometrics (SECS-P/05), Department of Economics and Business, University of Cagliari.
Director of the Centre for North South Economic Research (CRENoS), University of Cagliari and University of Sassari

National Academic Qualification for full Professorship (Abilitazione Scientifica Nazionale Professore Ordinario)

13/A4 Applied Economics (Economia Applicata) - 2013

13/A5 Econometrics (Econometria) - 2017

13/A1 Economics (Economia Politica) - 2017

13/A2 Economic Policy (Politica Economica) - 2017

AFFILIATIONS

Dipartimento di Scienze Economiche e Aziendali (Department of Economics and Business)
Centre for North South Economic Research, University of Cagliari and University of Sassari

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, Department of Economics, University of Warwick, United Kingdom

1993 Laurea in Political Science, Università di Cagliari, Italy.

EMPLOYMENT

2006- Associate Professor of Econometrics (SECS-P/05), Department of Economics and Business, University of Cagliari, Italy.

2015- Director of the Centre for North South Economic Research (CRENoS), University of Cagliari and University of Sassari, Italy.

1999-06 Assistant Professor in Economics (SECS-P/01), Faculty of Political Science, University of Cagliari, Italy.

- 1998-99 Research Assistant for the project *Econometric Issues in the Analysis of Efficiency in Futures and Forward markets*, director Prof. P. Newbold, School of Economics, University of Nottingham, United Kingdom.
- 1997- CRENoS Researcher, University of Cagliari and University of Sassari, Italy.

RESEARCH

Research interests

Spatial econometrics and time series econometrics; productivity analysis at regional and firm level; determinants of knowledge diffusion and innovative performance; analysis of M&As determinants and multinational ownership strategy; tourism economics; nonlinear models with applications to macroeconomic and financial variables; forecasting and forecasting evaluation criteria.

Citations

ISI Web of Knowledge H-index 11
Scopus H-index 13
Google Scholar H-index 17

Publications

Articles published in peer-review journals

- R. Brancati, E. Marrocu, M. Romagnoli and S. Usai (2017), Innovation activities and learning processes in the crisis. Evidence from Italian export in manufacturing and services, *Industrial and Corporate Change*, published online, DOI: 10.1093/icc/dtx022.
- S. Balia, R. Brau and E. Marrocu (2017), Inter-regional patient mobility in a decentralized health care system, *Regional Studies*, published online, DOI: 10.1080/00343404.2017.1307954.
- S. Usai, E. Marrocu and R. Paci (2017), Networks, proximities and inter-firm knowledge exchanges, *International Regional Science Review*, 40(4), 377-404, DOI: 10.1177/0160017615576079.
- 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>.
- 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.
- 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
- 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
- R. Paci and E. Marrocu, Tourism and Regional Growth in Europe (2014), *Papers in Regional Science*, 93, Supplement 1, S25-S50, DOI: 10.1111/pirs.12085.
- 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.
The Editors of Spatial Economic Analysis (SEA) selected this article as the Regional Science Association Best Paper for SEA 2015 (published in 2014).
- E. Marrocu, R. Paci and S. Usai (2013), Proximity, networks and knowledge production in Europe, *Technological Forecasting & Social Change*, 80, 1484-1498.

<http://dx.doi.org/10.1016/j.techfore.2013.03.004>.

R. Paci and E. Marrocu (2013), Knowledge assets and regional performance, *Growth and Change*, 44, 228-257. DOI: 10.1111/grow.12010.

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.

E. Marrocu and R. Paci (2013), Regional development and creativity, *International Regional Science Review*, 36(3), 354-391, DOI: 10.1177/0160017612461915.

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.

E. Marrocu and R. Paci (2012) Education or just creativity: what matters most for economic performance? *Economic Geography*, 88(4), 369-401, DOI: 10.1111/j.1944-8287.2012.01161.x.

E. Marrocu, R. Paci and M. Pontis (2012), Intangible capital and firms' productivity, *Industrial and Corporate Change*, vol. 21, 377-402, DOI:10.1093/icc/dtr042.

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.

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.

E. Marrocu and R. Paci (2010), The effects of public capital on the productivity of the Italian regions, *Applied Economics*, 42, 989-1002.

E. Marrocu (2006), An investigation of the effects of data transformation on non-linearity, *Empirical Economics*, 31, 801-820.

G. Boero and E. Marrocu (2005), Evaluating non-linear models on point and interval forecasts: an application with exchange rates, *Banca Nazionale del Lavoro Quarterly Review*, volume LVIII, 232, 91-120.

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, Special issue on forecasting economic and financial time series using non-linear models

G. Boero and E. Marrocu (2002), The performance of nonlinear exchange rate models: a forecasting comparison, *Journal of Forecasting*, 21, 513-542.

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*, vol. XLVIII, 4, 533-558.

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*, vol. LIII, 212, 385-415, Rivista trimestrale della Banca Nazionale del Lavoro, Roma.

Articles in books

S. Usai, E. Marrocu and R. Paci (2016), Local clusters and global networks. The role of different dimensions of proximity, pages 107-119. In U. Hilpert (ed), *Handbook of Policy and Technology*. Routledge, Taylor and Francis Group. ISBN 978-0-415-69201-4.

S. Balia, R. Brau and E. Marrocu (2014), What drives patient mobility across Italian regions? Evidence from hospital discharge data, pages 133-154. 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-Verlag. ISBN 978-88-470-5479-0; doi: 10.1007/978-88-470-5480-6.

M. Foddi, E. Marrocu, R. Paci and S. Usai (2013), Knowledge, Human Capital and Regional Performance, pages 183-209. 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: London and New York. ISBN 978-0-415-63606-3 (hbk); ISBN 978-0-203-08566-0 (ebk).

E. Marrocu, R. Paci and F. Pigliaru (2006), Gli effetti del capitale pubblico sulla produttività delle regioni italiane, pages 191-215. In Federalismo, equità, sviluppo - I risultati delle politiche pubbliche analizzati e misurati dai Conti Pubblici Territoriali - a cura di Fabrizio Barca, Francesca Cappiello, Letizia Ravoni e Mariella Volpe, Il Mulino, Bologna. ISBN 88-15-11485-8.

Current research

- Patterns of innovation specialization, inventors mobility and firms locational choices (with D. Kogler, M. Maggioni, E. Uberti, S. Usai)
- Innovative performance and knowledge diffusion in the European regions (with R. Paci and S. Usai).
- Determinants of M&A activity at firm and country level (with M.C. Di Guardo and R. Paci).
- Tourism economics (with G. Del Chiappa, R. Paci and A. Zara).
- Agglomeration effects and TFP growth in the European regions (with R. Paci and Stefano Usai).
- Performance of the Italian healthcare system, analysis of regional patients flows and health status inequalities within the Italian macroregions (with S. Balia and R. Brau).
- Intangible assets and productivity performance at regional and firm level (with R. Paci).

Coordination of research projects

- *Analysis of the Sardinian tourism flows' determinants and of their economic impact* (funded by Regione Autonoma Sardegna, LR 7, 2007, march 2014-december 2015).
- *CNR-Agenzia2000*, Progetto Giovani Ricercatori, research coordinator of the project "Time series non linear models for forecasting inflation".

Participation in research projects

Research member of the CRENoS Research Unit in the research projects:

- *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.
- *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.
- *European Commission 7th 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.
- *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.

- *European Commission 7th Framework Program*, “IAREG - Intangible Assets and Regional Economic Growth”, leader 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.

PRIN 2007, “Ownership, 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.

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.

Editorial Activities

2017 – Member of the Editorial Board of *Italian Economic Journal*

Referee activity

Applied Economics, Bulletin of Economic Research, Econometrics, Economic Geography, Environment and Planning, 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, 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.

Participation in international seminars and conferences (last 5 years)

20-22 October 2016, 57ma Riunione Scientifica Annuale della Società Italiana degli Economisti, Milano, Italy, presented paper “A spatial analysis of inter-regional patient mobility in Italy” (co-authored with S. Balia and R. Brau).

22 September 2016-22 September 2017, Component of the Scientific Committee and Co-coordinator of the Local Organizing Committee of the XXXVII Conferenza Scientifica Annuale AISRe, to be held in Cagliari, 20-22 September 2017.

20-22 September 2016, XXXVII Conferenza Scientifica Annuale AISRe, Ancona, Italy, presented paper “Tourist industry as a lever to expand external markets An empirical analysis in Sardinia, Italy” (co-authored with G. Del Chiappa and Andrea Zara).

23-26 August 2016, 56th ERSA Congress, Vienna, Austria, presented paper “A spatial analysis of inter-regional patient mobility in Italy” (co-authored with S. Balia and R. Brau).

22-24 October 2015, 56ma Riunione Scientifica Annuale della Società Italiana degli Economisti, Napoli, Italy, presented paper “The effect of local corruption on ownership strategy in cross border mergers and acquisitions” (co-authored with M.C. Di Guardo and R. Paci).

8-10 October 2015, 10th Scientific Meeting of the Classification and Data Analysis Group (CLADAG), Santa Margherita di Pula (Cagliari, Italy), presented paper “Micro-economic determinants of tourist expenditure: a quantile regression approach” (co-authored with R. Paci and A. Zara).

14-16 September 2015, XXXVI Conferenza Scientifica Annuale AISRe, Cosenza, Italy, presented paper “Export and innovative performance of Italian Firms (co-authored with S. Usai, R. Brancati and M. Romagnoli).

25-28 August 2015, 55th ERSA Congress, Lisbon, Portugal, presented paper “The effect of local corruption on ownership strategy in cross border mergers and acquisitions” (co-authored with M.C. Di Guardo and R. Paci).

25-27 June 2015, International Association for Applied Econometrics Conference, Thessaloniki, Greece, presented paper “Free patient mobility is not a free lunch. Lessons from a decentralised NHS” (co-authored with S. Balia and R. Brau).

21-25 April 2015, Annual Meeting of the Association of American Geographers, Chicago, United States, presented papers:

- Export and innovative performance of Italian Firms (co-authored with S. Usai, R. Brancati and M. Romagnoli)
- Micro-economic determinants of tourist expenditure: a quantile regression approach (co-authored with R. Paci and A. Zara).

21-23 January 2015, Sixth Italian Congress of Econometrics and Empirical Economics, Salerno, Italy, presented paper “Free patient mobility is not a free lunch. Lessons from a decentralised NHS” (co-authored with S. Balia and R. Brau).

19 November 2014, Research Seminar in Economic Geography, London School of Economics, United Kingdom, presented paper “Symmetric and Asymmetric effects of proximities. The case of M&A deals in Italy” (co-authored with R. Boschma and R. Paci).

23-25 October 2014, 55ma Riunione Scientifica Annuale della Società Italiana degli Economisti, Trento, Italy, presented paper “Symmetric and Asymmetric effects of proximities. The case of M&A deals in Italy” (co-authored with R. Boschma and R. Paci).

26-29 August 2014, 54th ERSA Congress, St. Petersburg, Russia presented paper “Symmetric and Asymmetric effects of proximities. The case of M&A deals in Italy” (co-authored with R. Boschma and R. Paci).

3-4 July 2014, Italian Trade Study Group Meeting on “Internationalisation, networks and firm performance”, member of the Scientific and Organization Committee.

7-9 April 2014, Royal Economic Society Annual Conference, Manchester, presented paper “Networks, proximities and inter-firm knowledge exchanges”, (co-authored with R. Paci and S. Usai).

16-19 February 2014, West Regional Science Association Conference, San Diego, United States, presented paper “Networks, proximities and inter-firm knowledge exchanges”, (co-authored with R. Paci and S. Usai).

23-25 January 2014, 2nd Geography of Innovation Conference 2014, Utrecht, The Netherlands, presented paper “Symmetric and Asymmetric effects of proximities. The case of M&A deals in Italy” (co-authored with R. Boschma and R. Paci).

28-29 November 2013, Italian Trade Study Group International Workshop on Global Value Chains and Emerging Markets’ Role in International Trade, Fiesole, Italy, presented paper “Networks, proximities and inter-firm knowledge exchanges”, (co-authored with R. Paci and S. Usai).

24-26 October 2013, 54ma Riunione Scientifica Annuale della Società Italiana degli Economisti, Bologna, Italy, presented paper “The concurrent impact of cultural, political, and spatial distances on international M&As” (co-authored with M.C. Di Guardo and R. Paci).

27-31 August 2013, 53rd ERSA Congress, Palermo, Italy, presented paper “Tourism and Regional Growth in Europe” (co-authored with R. Paci).

1-4 July 2013, International Association for tourism economics Conference, Ljubliana, Slovenia, presented paper “Tourism and Regional Growth in Europe” (co-authored with R. Paci)

13-14 June 2013, Italian Trade Study Group International Workshop on New issues in International Trade. Quality upgrading, financial constraints and factor movements, Ancona, Italy, presented paper “The concurrent impact of cultural, political, and spatial distances on international M&As” (co-authored with M.C. Di Guardo and R. Paci).

16-18 January 2013, Fifth Italian Congress of Econometrics and Empirical Economics, Genoa, Italy, presented paper “Different tourists to different destinations – Evidence from spatial interaction models” (co-authored with R. Paci).

7-10 November 2012, 59th North American Regional Science Association International (RSAI) Conference sponsored by the North American Regional Science Council (NARSC), Ottawa, Canada, presented paper “Knowledge assets and regional performance” (co-authored with R. Paci).

18-20 October 2012, 53ma Riunione Scientifica Annuale della Società Italiana degli Economisti, Matera, Italy, presented papers:

- Different tourists to different destinations – Evidence from spatial interaction models (co-authored with R. Paci)
- Knowledge assets and regional performance (co-authored with R. Paci).

21-25 August 2012, 52nd ERSA Congress, Bratislava, Slovakia, presented papers:

- The complementary effects of proximity dimensions on knowledge spillovers (co-authored with R. Paci and S. Usai)
- Regional development and creativity (co-authored with R. Paci).

26-28 March 2012, Royal Economic Society Annual Conference, Cambridge, United Kingdom, presented paper “The complementary effects of proximity dimensions on knowledge spillovers” (co-authored with R. Paci and S. Usai).

26-28 January 2012, Eurolio Seminar on Geography of Innovation, Saint Etienne, France, presented paper “The complementary effects of proximity dimensions on knowledge spillovers” (co-authored with R. Paci and S. Usai).

Professional activity connected with research activities

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).

TEACHING

2016- Applied Economics, *Laurea Magistrale* (postgraduate degree course) in Management, University of Cagliari.

2013- Econometrics, *Laurea* (undergraduate degree course) in Economics and Finance, University of Cagliari.

2008- Advanced Econometrics, *Laurea Magistrale* in Economics, University of Cagliari.

- 2014-15 Econometrics, PhD program in Economics and Business, curriculum in Accounting and Business
- 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.
- 2006-08 Advanced Econometrics 1, *Laurea Magistrale* in Economics, University of Cagliari.
- 2006-09 Advanced Econometrics 2, *Laurea Magistrale* in Economics, University of Cagliari.
- 2003-06 International Monetary Economics, *Laurea* in Economics and European Policy and *Laurea* in Social Science, University of Cagliari.
- 2002-05 Macroeconomics, *Laurea* in Economics and European Policy and *Laurea* in Political Science, University of Cagliari.
- 2001-02 Lectures on “The econometrics of non-linear time series models and forecasting evaluation methods” for the Master course in Applied Econometrics (MApE), University of Pavia, Italy.
- 2000-03 Introductory Economics, *Laurea* in Social Care Science, University of Cagliari.

INSTITUTIONAL ACTIVITY

- 2016- Department Dean delegate for the Accreditation of the Department Quality Management System.
- 2016- Component of the Joint Committee Students-Professors of the *Laurea* in Economics and Finance.
- 2014- Coordinator of the Committee for the Accreditation of the Quality Management System of the Department Research Activities.
- 2013- Component of the Committee of the Research Doctorate Program in Economics and Business.
- 2013- Component of the Committee (Giunta) of the *Laurea Magistrale* in Economics.
- 2013-16 Component of the Committee the Quality Management System of the *Laurea Magistrale* in Economics, University of Cagliari.
- 2006-12 Coordinator of the Undergraduate Degree Course in Economics and European Policy, University of Cagliari. In October 2009 the course was awarded the ISO 9001 certificate.
- 2008-12 Political Science Faculty Dean delegate for the Quality Management System of the degree courses.
- 2007-12 Delegate for the Erasmus Student Exchange Program in Economics between the University of Cagliari and the London City University.
- 2008-10 Member of the University of Cagliari Committee on Students Administrative Data Management System.
- 2004-11 Member and Coordinator (2008-11) of the committee for the Quality Management System of the degree course in Economics and European Policy, University of Cagliari.
- 2003-06 Students tutor for the *Laurea Magistrale* in Economics, University of Cagliari.