

# CURRICULUM VITAE

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## ROBERTO MARTINO

Università degli Studi di Siena  
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Date of birth: 09 June 1987

### CURRENT POSITION

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University of Siena 1 February 2022 - onwards  
Department of Economics and Statistics (Dipartimento di Economia Politica e Statistica)  
*Assistant Professor*

- Research on regional economics and the digital and green transitions, including: emissions and productivity; the impact of Covid-19 on marginal areas in Italy and Europe; economic and spatial implications of the digital transition; distribution and determinants of green and digital patents.
- Analysis of research and innovation policies.

### PREVIOUS POSITIONS

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University of Florence 1 November 2021 – 31 January 2022  
Department of Economics  
*Post-Doc Researcher*

- Analysis of the mismatch between the skills supply and the labour demand across selected regional ecosystems, focusing on the “structural break” between the pre-Covid and post-Covid period, its impacts and consequences on the demand and supply of education and skills.
- Contributing to the project *EUniWell*, co-funded by the Erasmus+ Programme of the European Union, aiming at empowering cutting-edge research, education and training and interact closely with society to enhance global and regional well-being in social, environmental, economic, and cultural terms. Activities include analysis of data, writing of reports, scientific research and participation to workshops and events.

University of Florence 1 November 2020 – 31 October 2021  
Department of Statistics  
*Post-Doc Researcher*

- Analysis of regional convergence in the European Union, with a focus on institutional quality, public investments and research and innovation.
- Collection and use of available data to analyse public infrastructure projects and the maintenance and enrichment of public assets across Italian regions, with an emphasis to highlighting critical issues and inefficiencies.

University of Strasbourg March 2021 – September 2021  
BETA - Bureau d'Economie Théorique et Appliquée  
*Research Fellow*

- Research fellowship within the project DInnAMICS (Demand-driven Innovation Assessment in Medical and unIversity eCo-Systems), financed by the Agence Nationale de Recherche (ANR).
- Mapping of AI-related innovation and scientific outputs across European regions and analysis of their determinants.

European Commission 1 June 2019 – 15 October 2020  
DG Research and Innovation (RTD)  
Unit A.1 – Chief Economist Unit: Economic Analysis, Strategy and Foresight  
*Economic Analyst, Policy Analyst*

- Economic Analysis of Research and Innovation and their impact on economic and productivity growth, sustainability and regional and national disparities.
- Contributing to and writing of policy briefs, reports, a staff working document, and briefings on the economics of research and innovation and related topics.
- Writing of research papers on the economics of research and innovation, institutions, framework conditions and related policies.
- Steering of the “Macro-economic modelling of R&I” agenda for DG RTD, managing an expert group advising DG RTD on R&I oriented models for policy use.
- Contributing to or coordinating research and analysis supporting policy making on the topics of research and innovation, productivity, sustainability and regional disparities with internal and external stakeholders.

European Commission

16 October 2015 – 31 May 2019

DG Research and Innovation (RTD)

Unit A.4 – Analysis and monitoring of national research and innovation policies (Chief Economist Unit)

*Economic Analyst, Policy Analyst*

- Economic Analysis of Research and Innovation and their impact on economic growth.
- Contributing to and writing of policy briefs, reports and briefings on the economics of research and innovation institutions, framework conditions and related topics.
- Evaluation and monitoring of countries policies in research and innovation as Country Desk for France and Italy in the European Semester: participating to country visits with National Authorities and national stakeholders, contributing to the writing of the Country Reports, notably the R&I and investment sections (France from 2015 to 2019, Italy in 2018 and 2019).
- Writing of research papers on the economics of research and innovation and related policies.
- Steering of the “Macro-economic modelling of R&I” agenda for DG RTD, including managing an expert group advising DG RTD agenda on R&I oriented models for policy use, managing two H2020 projects (FRAME and MONROE) and a commissioned study on the QUEST III model.
- Project and Policy Officer of IRIMA - Economics of Industrial Research and Innovation, with the Joint Research Centre of the European Commission: steering the policy orientation of analytical work, co-writing research and policy papers.
- Contributing to or coordinating research and analysis supporting policy making on the topics of research and innovation, productivity, sustainability and regional disparities with internal and external stakeholders.
- Steering and coordination of the Policy Support Facility activity under H2020, advising the Tunisian Ministry of Research and Higher education on the definition and implementation of research priorities and on how to increase private participation in R&D activities. Coordinating the work of the expert group, of the field interviews and interactions with Tunisian national authorities and local stakeholders, quality check on the Final Report.

University of Sassari

03 June 2015 - 02 September 2015

*Researcher*

Research project: “Social capital and regional economic disparities”

European University Institute

23 April 2015 - 28 May 2015

*External Collaborator*

Research Assistance for a Project proposal submitted to the Horizon 2020 program.

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July 2013 - December 2021

*Co-founder and CEO*

Civic crowdfunding platform

## **OTHER ACTIVITIES**

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Osservatorio per lo Sviluppo dei Territori

September 2021 – August 2023

- Research, steering and coordination of research activities on marginal areas in Italy within the digital and green transitions. Data analysis, contributing to writing of reports and database creation.

ARCO - Action Research for CO-development

1 November 2021 – 31 December 2021

- Collection and analysis of data on R&I and sustainability policies at the European level by the European Commission. Definition and creation of indicators, contribution to the draft of a report and a research paper.

## EDUCATION

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### Postgraduate Studies

University of Pisa

January 1<sup>st</sup>, 2012 – November 9<sup>th</sup>, 2015

PhD in *Economics*

Courses jointly given with Scuola Superiore Sant'Anna

University of Strasbourg

February 2014 - June 2014

BETA - Bureau d'Economie Théorique et Appliquée

Visiting PhD student

University of Florence

April, 2011

M. Sc. in *Advanced Development Economics*

Thesis: "A Development Diagnostics. Calabria and the Questione Meridionale"

Advisor: Nicolò Bellanca

### Undergraduate Studies

University of Bologna,

October, 2008

Bachelor's Degree in *Development and International Cooperation*

Thesis: "Resources, economic structure and development: the case of Nigeria."

Advisor: Bruno Salituro

Liceo Classico Europeo "Tommaso Campanella", Diploma

July, 2005

## FURTHER EDUCATION

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ArcoLab: Summer School on Impact Evaluation Methodologies

17 - 19 June, 2015

*Impact Evaluation Methods*

Firenze (Italy)

CIdE: XXIII Course of Econometrics – 2012

2 – 7 July, 2012

*Introductory Econometrics and Time Series*

Bertinoro (Italy)

## PUBLICATIONS

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Crescenzi R., Giua M., Martino R., Vezzani A. (2023), *Firms, cities, and regions in the economic policy response to Covid-19*, In: Zimmermann, K.F. (eds) *Handbook of Labor, Human Resources and Population Economics*. Springer, Cham. [https://doi.org/10.1007/978-3-319-57365-6\\_408-1](https://doi.org/10.1007/978-3-319-57365-6_408-1)

Amoroso S., Martino R. (2020). [\*Regulation and technology gap in Europe: The role of firms dynamics\*](#). *European Economic Review*, 129.

Martino R., Nguyen-Van P., Lawson L.A. (2020). [\*Environmental convergence and environmental Kuznets curve: A unified empirical framework\*](#). *Journal of Ecological Modelling*, 437,1, 109289.

Bianchini S., Llerena P., Martino R. (2019). *The impact of R&D subsidies under different institutional frameworks*. Structural Change and Economic Dynamics, 50, 65-78.

Martino R. (2015). *Convergence and Growth. Labour Productivity dynamics in the European Union*. Journal of Macroeconomics, 46, 186-200.

Martino R. (2013). *Trends in the Italian Dualism: labour productivity dynamics and structural change*. Quaderni di Ricerca Rassegna Economica, 22, 11-38.

## CHAPTERS AND BOOKS

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Martino R., Crescenzi R., Giua M. (2024). *Politica di coesione: ripartiamo dalla valutazione*, in Cerqua A., Ferrara A.R., Pellegrini G. (eds) “Valutazione delle politiche pubbliche. Che cosa abbiamo imparato?”, Donzelli Editore.

Martino R. (2021). *Productivity, the twin transitions, and the European divide(s)*, in “In Focus. Mediterranean Europe”, 3/2021, 130-139, Antall József Knowledge Centre, Hungary.

Martino R., Amoroso S. (2020). *Regulations and technology diffusion in Europe: the role of industry dynamics*, in “Science, research and innovation performance of the EU 2020”, European Commission

Martino R., Correia A., Ravet J. (2020). *Productivity, Structural Change and Business Dynamism*, in “Science, research and innovation performance of the EU 2020”, European Commission.

Martino R., Rakic R., Ravet J. (2020). *Framework conditions*, in “Science, research and innovation performance of the EU 2020”, European Commission.

Martino R., Burkhardt K. (2018). *Framework conditions for innovation*, in “Science, research and innovation performance of the EU 2018”, European Commission.

Martino R., Burkhardt K., Correia A. (2018). *Entrepreneurship and structural change*, in “Science, research and innovation performance of the EU 2018”, European Commission.

## POLICY BRIEFS

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Borunsky, L., Correia, A., Delauré, S., Martino, R., Rakic, R., and Ravet, J. (2020). *Making R&I transformative: evidence in support of the new European Research Area Communication*. R&I Papers series 2020/14 Directorate-General for Research and Innovation, European Commission. <https://data.europa.eu/doi/10.2777/081997>

Borunsky, L., Deiss, R., Martino, R. and Ravet, J. (2020). *The Geography of R&I and productivity: Regional disparities and dynamics*. R&I Papers series 2020/13 Directorate-General for Research and Innovation, European Commission. <https://data.europa.eu/doi/10.2777/10591>

Benedetti-Fasil C., Martino R., Ravet J., and Sanchez-Martinez M. (2020). *Macroeconomic models for Research and Innovation Policy: the Present and the Future*. DG R&I Paper Series, WP 2020/10. European Commission.

Borunsky L., Correia A., Martino R., Ruzica R., and Ravet J. (2020). *Can research and innovation save the day? A fair green and digital recovery from COVID19*. DG R&I Paper Series, WP 2020/09. European Commission. DG R&I Paper Series, WP 2020/5. European Commission.

Borunsky L., Martino R., Surgeon M. (2020). *Inclusiveness and research and innovation*. DG R&I Paper Series, Policy Brief, May 2020. European Commission.

Martino R., Grosset F., Nguyen-Van P. (2015). [\*Critères de convergence, dérèglementation du marché du travail et performance économique des régions européennes\*](#). *Bulletin de l'Observatoire des Politiques Économiques en Europe*, vol. 33, 3 - 6, University of Strasbourg.

## WORKING PAPERS

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Ferrannini, A., Martino, R., Biggeri, M., Peiffer-Smadja, O., and Ravet, J. (2023). *The integration of key transformative R&I principles in European policies – A multiple case study analysis*. R&I Papers series 2023/02 Directorate-General for Research and Innovation, European Commission, Directorate-General for Research and Innovation, European Commission. <https://data.europa.eu/doi/10.2777/604435>

Martino, R. (2021). *Public Investment, Convergence and Productivity Growth in European regions*. IRPET. Also available in the Working papers of the Dipartimento di Scienze per l'Economia e l'Impresa, WP19/2021, University of Florence. Link to [IRPET website](#).

Amoroso S., Martino R. (2020). *Regulations and technology diffusion in Europe: the role of industry dynamics*. DG R&I Paper Series, WP 2020/09. European Commission. DG R&I Paper Series, WP 2020/10. European Commission.

Martino R., Nguyen-Van, P. (2016). *Environmental Kuznets curve and environmental convergence: A unified empirical framework for CO2 emissions*. Working Papers of the Bureau d'Economie Théorique et Appliquée, 18, UDS, Strasbourg.

Martino R., Nguyen-Van P. (2015). *Labour market regulation and fiscal parameters: A structural model for European regions*. Working Papers of the Department of Economics and Management of the University of Pisa, 200, Pisa.

Martino R., Nguyen-Van P. (2014). *Labour market regulation and fiscal parameters: A structural model for European regions*. Working Papers of the Bureau d'Economie Théorique et Appliquée, 19, UDS, Strasbourg.

Martino R. (2014). *Convergence and Growth. Labour Productivity dynamics in the European Union*. Working Papers of the Bureau d'Economie Théorique et Appliquée, 18, UDS, Strasbourg.

## CONFERENCE PAPERS

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Bianchini S., Martino R. (2016), *Institutions matter. The impact of R&D subsidies under different framework conditions*”, Eurkind GCW 2016 Conference, Valencia, Spain, June 22-24<sup>th</sup> 2016.

Bellanca N., Maltagliati M., Martino R. (2015), *I tre divari Nord-Sud in Italia*, Conferenza AISRe, Arcavata di Rende (CS), Italy, September 14-16<sup>th</sup> 2015.

## RESEARCH IN PROGRESS

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“Environmental and Standard Production Function estimation” (with Belloc F.)

“Digital and green patents across European regions” (with Bianchini S., Cassi L., and Zulianello M.)

“Digital and green skills in the aftermath of the Covid pandemics” (with Giovannetti G., Lanati, M., and Perra E.)

“Covid-19, working from home and economic resistance to the pandemics in the EU regions” (with Crescenzi R., Rigo, D.)

## CONFERENCES, WORKSHOPS AND SEMINARS

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- 2023 2023 Regional Studies Association Winter Conference “Cities and Regions of Tomorrow: Towards Better Regional Futures”, 9-10 November 2023, London (UK), presenting “Bending but not Breaking: Economic Resistance to Covid-19, Work-from-home and Digital Capabilities in the EU Regions”, with Crescenzi, R. and Rigo, D.
- 2023 XXI Workshop Annuale SIEPI, 15-16 June 2023, Napoli (Italy), presenting “Is TFP Clean or dirty?”, with Belloc F and Bimonte S.
- 2022 Workshop on “Climate change and ecological behavior: driving the transition”, 6-7 October 2022, Firenze (Italy), presenting “Environmental and Standard Production Function estimation”, with Belloc F and Bimonte S.
- 2022 IIPPE conference “Socio-Ecological Crisis and the Political Economy of Sustainability”, 7-9 September 2022, Bologna (Italy), presenting the paper “Transformative R&I towards sustainable development: the case of European Commission policies”, with Ferrannini A., Biggeri M., Ravet, J., and Peiffer-Smadja O.
- 2022 61<sup>st</sup> “ERSA Congress”, 22-26 August 2022, Pécs (Hungary), presenting the paper “Public investment, convergence and productivity growth in European regions”
- 2020 “[Moving the Frontier of the Macroeconomic Modelling of Research & Innovation](#)” – the First European Conference on Macroeconomic Modelling of Research & Innovation. Brussels (Belgium) and digital format, 7-8 September 2020. Main coordinator and member of the Organising Committee.
- 2019 CONCORDi 2019 Conference "Innovation for Industrial Transformation" 7th European Conference on Corporate R&D and Innovation”, Sevilla (Spain), 25-27 September 2019, presenting the paper *Regulations and technology diffusion in Europe: the role of industry dynamics*, with Amoroso S.
- 2019 Journées Tuniso-Européennes Science & Innovation (TESI), September 9-10t 2019, Tunis (Tunisia). Presentation and dissemination of the H2020 Policy Support Facility Report “[Specific Support to Tunisia. Research priorities and private participation in R&D](#)”.
- 2017 CONCORDi 2017 Conference “Innovation and Industrial Dynamics: Challenges for the next decade, 6<sup>th</sup> European Conference on Corporate R&D and Innovation”, Sevilla (Spain), 27-29 September 2017, presenting the paper *Institutions matter. The impact of R&D subsidies under different framework conditions*, with Bianchini S.
- 2017 Heroes, Mediterranean Innovation Festival, Matera (Italy), September 21st -23rd 2017. Presenting the concept of Open Innovation, on behalf of the European Commission.
- 2016 Eurkind GCW 2016 Conference “Innovation, employment and the environment”, June 22-24, Valencia (Spain). Presenting the paper *Institutions matter. The impact of R&D subsidies under different framework conditions*, with Bianchini S.
- 2015 XXXVI Conferenza scientifica annuale AISRe "L'Europa e le sue regioni. Disuguaglianze, capitale umano, politiche per la competitività", September 14-16, Arcavacata di Rende (Italy), presenting the paper *I tre divari Nord-Sud in Italia*.
- 2015 SMAU Firenze, panel member of the Workshop “Digital Champion in azione sul territorio toscano: dal ritardo digitale agli open data, dall'associazionismo al crowdfunding”. Presentation of the civic crowdfunding platform “Replace” and contribution to the debate on the challenges and opportunities of civic crowdfunding in Italy.
- 2015 Festival dell’Economia di Trento 2015, Presentation of the civic crowdfunding platform “Replace”.
- 2015 Workshop “Adjustment in European Economies in the Wake of the Economic Crisis” organized by the Banco de Portugal, 16 January, Lisbon (Portugal), presenting the paper *Convergence and Growth. Labour Productivity dynamics in the European Union*.
- 2014 Workshop "Explaining Economic Change", Università Sapienza, 12 November, Roma (Italy). Presenting the paper *Convergence and Growth. Labour Productivity dynamics in the European Union*.

- 2014 Workshop "Cournot Doctoral Days", BETA - University of Strasbourg, 20 March, Strasbourg (France), presenting the paper *Convergence and Growth. Labour Productivity dynamics in the European Union*.
- 2013 Matchpoint Seminar 2013, 23-25 May, Aarhus University, Aarhus (Denmark), presenting the paper *Institutional Change and Political Behavior, Rethinking the Italian Dualism Beyond the Cultural Hypothesis*, with Zulianello M.

## TEACHING ACTIVITIES

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- 2023-2024 "Models of Capitalism", University of Siena  
 "Globalisation and inequality", with G. Cappelli, University of Siena  
 "Economic Growth: Mathematics and Empirics", empirics module, in the Ph.D. course *Economics and development of local systems- DELoS, 39<sup>th</sup> cycle*, University of Firenze.
- 2022-2023 "Models of Capitalism", University of Siena
- 2021-2022 "Foundations of Economics", University of Siena
- 2015 Guest Lecturer in the B.A. Course "Laboratorio di Economia dello Sviluppo e delle Istituzioni", University of Firenze.
- 2013 Tutoring in the B.A. Course "Microeconomics", University of Pisa.

## SCHOLARSHIPS, GRANTS AND PRIZES

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- 2015 Scholarship for research activity on "Social capital and Regional Disparities", University of Sassari, Dipartimento di Scienze Economiche e Aziendali. From 3 June 2015 to 2 September 2015.
- 2015 Prize and invitation to present at the workshop on "Adjustment in European Economies in the Wake of the Economic Crisis" organized by Banco de Portugal and held in Lisbon, Portugal on the 16th January 2015, with the paper *Convergence and Growth. Labour Productivity dynamics in the European Union*.
- 2013 Winner of the prize "Premio Rassegna Economica 2013", with the paper *Trends in the Italian Dualism: labour productivity dynamics and structural change*.
- 2012-2014 Full Ph.D. scholarship at the University of Pisa.

## FURTHER TITLES

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- 2023 Abilitazione Scientifica Nazionale alle funzioni di professore di seconda fascia, Settore 13/A1 - Certificate of idoneity as associate professor in Economics, 06/12/2023
- 2023 Abilitazione Scientifica Nazionale alle funzioni di professore di seconda fascia, Settore 13/A4 - Certification of idoneity as associate professore in Applied Economics, 16/10/2023

## FIELDS OF INTEREST

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Economics of Research and Innovation  
 Innovation policy  
 Italian Dualism and Southern Italy Underdevelopment (Questione Meridionale)  
 Economic Development  
 Inclusion and Sustainability  
 Institutions and Institutional Change  
 Civic Crowdfunding

## PERSONAL SKILLS AND COMPETENCES

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### Mother Tongue

Italian

### Other Languages

English (proficient user)

French (proficient user)

Spanish (basic user)

### Language Certificates Obtained

TOEFL iBT (108/120)

May, 2011

Attestation par l'Alliance Française (niveau C2)

July, 2005

### IT Skills

Good knowledge of Microsoft Office tools

Good knowledge of R, STATA

## MEMBERSHIPS

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Regional Science Association

AISRe Associazione Italiana di Scienze Regionali

Società Italiana Economisti

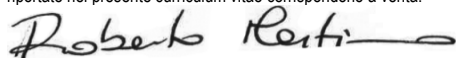
Co-founder of Replace, civic crowdfunding platform (2013- 2021)

Presidio di LIBERA: Associazioni, nomi e numeri contro le mafie, Firenze (2010 – 2011)

Associazione Universitaria Cooperazione e Sviluppo (AUCS), Firenze (2008 – 2010)

### DICHIARAZIONE SOSTITUTIVA DI CERTIFICAZIONE (art. 46 e 47 D.P.R. 445/2000)

Il sottoscritto Roberto Martino, consapevole che le dichiarazioni false comportano l'applicazione delle sanzioni penali previste dall'art. 76 del D.P.R. 445/2000, dichiara che le informazioni riportate nel presente curriculum vitae corrispondono a verità.



11.01.2024