

GIACOMO NOVELLI

Updated: August 2024

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Citizenship: Italian
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PROFESSIONAL SUMMARY

Ph.D. in Economics with a strong background in Macroeconomics and Econometrics applied to Energy and Climate policies. Currently working on macro-climate models and routines aimed at evaluating the effects of the Physical, Transition and Nature-related Risks in advanced and emerging countries. Co-authored economic outlook reports, organized seminars, produced briefs and delivered presentations. Passionate about working on climate, energy and environmental policies. Pro-active and collaborative, natural leader, exceptional interpersonal skills, easily builds network.

PROFESSIONAL EXPERIENCE

- 2024 - ongoing **Adjunct Professor at University of Bologna**, Spatial Data in Economics (GIS tools laboratory), Graduate level
- 2023 - ongoing **Specialist at Prometeia**, leading European research and consulting firm
Economic Analysis and Forecasting division
- Working on physical risks related to climate change: building a macroeconomic-spatial model to evaluate worldwide physical risks (i.e. heatwaves, flood, etc.) in different climate scenarios and with high granularity (1km x 1km). The project has been selected by major southern European banks to comply to NGFS's guidelines and to meet the ECB climate stress test's requirements. Moreover, Prometeia's offer has been awarded in the global top 3 by Chartis Research (RiskTech Quadrant for physical risk modeling solutions, 2023);
 - Working on transition risks related to climate change: improving Prometeia's Integrated Assessment Model to better evaluate climate transition risks in a multi-country and multi-sectoral framework; Prometeia's offer on transition risk has been awarded in the global top 3 by Chartis Research (RiskTech Quadrant for transition risk modeling solutions, 2023);
 - Working on nature-related risks: building routines and indicators on nature-related risks which are based on both spatial, sectoral and ecosystem data, following the guidelines provided by ECB, NGFS and TNFD;
 - Working on other macro models aimed at producing the Prometeia Economic Forecast Outlook.
- 2021 - 2023 **Senior Economist at Prometeia**, Economic Analysis and Forecasting division
- 2021 - 2022 **Adjunct Professor at University of Milan**, Macroeconomics, Undergraduate level

EDUCATION

- 2017 - 2021 **Ph.D. in Economics, University of Milan and University of Pavia**
Supervisors: Professor Marzio Galeotti and Professor Alessandro Olper
Thesis: Essays on Energy and Climate Economics
- 2020 **Visiting researcher - University of Cambridge** (7 months)
Local advisor: Dr. Kamiar Mohaddes
- Ph.D. Training:**
- 2023 - *Climate policies, innovation and international competition*, Winter School, ETH & EAERE
 - 2020 - *Spatial Econometrics and Policy Evaluation*, Autumn School, FEEM
 - 2019 - *Python for Data Science*, Summer School, University of Pavia
 - 2019 - *Bayesian Methods for Economics and Finance*, Summer School, Italian Econometric Association
 - 2018 - *Panel Data Theory and Applications*, Summer School, Italian Econometric Association

2014 - 2017 **M.Sc. in Economics and Economic Policy, University of Bologna, 110/110 cum laude**
Vote: 110/110 cum laude
Thesis: The effects of price and wage rigidities on the Italian business cycle
2016: **Erasmus - Université Catholique de Louvain** (5 months)

2010 - 2013 **B.Sc. in Economics, Markets and Institutions, University of Bologna**
Vote: 110/110 cum laude
Thesis: Environmental policies and firms' location choices

RESEARCH PAPERS

Work in progress **The Long-Term Macroeconomic Effects of Climate Change: A European Sector Analysis** with Dr. *Kamiar Mohaddes*
Working Paper **Energy Dependency and Long-Run Growth**

OTHER RESEARCH EXPERIENCE

2021 **Research Project: Evaluating the current Lombardy Environmental Policies**
Un Ruolo Inedito per le Politiche Ambientali: Cambiare le Abitudini
(A new role for Environmental Policies: Changing the Habits)
with Professor Gloria Regonini and Professor Roberto Pedersini
Department of Social and Political Science, University of Milan

PRESENTATIONS

2020 IAERE Annual Conference (Italian Association of Environmental and Resource Economics)

TEACHING EXPERIENCE

2021 - 2022 **Adjunct Professor:** Macroeconomics (undergraduate, in Italian), **University of Milan**
Thesis Supervisor
2018 - 2021 **Teaching Assistant:** Environmental and Resource Economics (postgraduate), Environmental Economics (postgraduate, in Italian), Advanced Industrial Organization (postgraduate), Public Economics (undergraduate), **University of Milan**
2017 - 2018 **Teaching Assistant:** Microeconomics (undergraduate, in Italian), **University of Bologna**

SKILLS, CERTIFICATIONS AND FURTHER QUALIFICATIONS

Languages **Italian** (native), **English** (fluent), **French** (fluent)

Certifications **Macroeconomics of Climate Change: Science, Economics, and Policies**, International Monetary Fund
Machine Learning in Weather & Climate, European Centre for Medium-Range Weather Forecasts

IT Proficiency: **Stata, R, L^AT_EX, Gretl, Office**
Intermediate knowledge: **Python**
Basic knowledge: **QGIS, Matlab, Dynare, Eviews, oTree**

AWARDS AND SCHOLARSHIPS

2019 - 2020 "Giovanni Manera" Best Research Project, University of Pavia
2012 - 2013 Certificate of Merit from the Dean to outstanding B.Sc students, University of Bologna

REVIEWER FOR INTERNATIONAL ACADEMIC JOURNALS

2021 *Manuscript reviewer: Journal of Environmental Economics and Management*, Elsevier

NON-ACADEMIC PUBLICATIONS

2022 **Article: Is the Financial Sector Underestimating the Costs Associated with the Green Transition?**
with Professor Lorenzo Forni, Dr. Vivian Malta and Professor Stefania Tomasini
in *Current Economics*, a non-academic journal issued by Consensus Economics

2022 - 2023 **Outlook: Rapporto di Previsione (Economic Forecast Outlook)**, *Prometeia*
Quarterly editions from 03/2022 to 12/2023

REFERENCES

Marzio Galeotti

Full Professor of Economics
University of Milan
Director of Scientific Research
Fondazione Eni Enrico Mattei
Research fellow - GREEN
Bocconi University
Visiting research fellow - KAPSARC
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