

## **Cristina Cattaneo**

Nationality: Italian

Gender: female

RFF-CMCC European Institute on Economics and the Environment (EIEE)

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### **PRESENT POSITION and AFFILIATIONS**

**Deputy Director**, Sustainable Earth Modelling Economics Division, Fondazione Centro Euromediterraneo per i Cambiamenti Climatici (CMCC), since 2020

**Head of Climate Migration Unit**, RFF-CMCC European Institute on Economics and the Environment (EIEE), Italy, since 2018

Main activities:

- Project Coordinator, Researcher
- Fund raising

**External Research Fellow**, Centre for Research and Analysis of Migration (CReAm), London, UK, since 2014

**Member** of the Sustainable Future Policy Lab (since 2020)

### **NATIONAL SCIENTIFIC QUALIFICATION (“abilitazione”)**

Professore di Prima e Seconda Fascia in 13/A1 Economia Politica, 13/A2 Politica Economica, 13/A4 Economia Applicata

### **PAST PROFESSIONAL**

Scientist, Centro Euromediterraneo per i Cambiamenti Climatici (CMCC), Italy, 2015-2019

Senior Researcher, Fondazione Eni Enrico Mattei - FEEM, Italy, 2008-2018

Junior Researcher, Fondazione Eni Enrico Mattei - FEEM, Italy, 2007-2008

Consultant, Atlantic Technologies, Milan, Italy, 2000-2001

### **RESEARCH INTEREST**

Economics of Migration, Environmental Economics, Climate Change Economics, Behavioural Economics

### **INTERNATIONAL RESEARCH PROJECTS**

2019- 2023 Horizon 2020: CAScading Climate risks: towards ADaptive and resilient European Societies (Cascades). Researcher

2021-2025 Horizon 2020: Global Excellence in Modelling Climate and Energy Policies (Geocep). Scientific Project Leader

2016-2021 Horizon 2020: Global Excellence in Modelling of Climate and Energy (Gemclime). Scientific Project Leader

2016-2019 Horizon 2020: Psychological, social and financial barriers to energy efficiency (PENNY). Project Coordinator and Work-package Leader

2016-2017 Member of the T20 Task force on Forced Migration

2014-2016	EC- 7th Framework Programme: Post-Carbon Cities of Tomorrow: foresight for sustainable pathways towards liveable, affordable and prospering cities in a world context (POCACITO). Researcher
2013-2014	EC- 7th Framework Programme: Public health impacts in urban environments of greenhouse gas emissions reduction strategies (PURGE). Researcher
2012-2014	EC- 7th Framework Programme: Impacts Quantification of global changes (Global-IQ). Researcher
2011-2013	EC- 7th Framework Programme: Innovation for climate change mitigation: a study of energy R&D, its uncertain effectiveness and spillovers (ICARUS). Researcher
2008-2011	EC- 6th Framework Programme: Sustainable Development in a Diverse World (SUS.DIV). Researcher

### **TEACHING EXPERIENCE**

PhD in Economics and Finance- DEFAP (Università Cattolica del Sacro Cuore) and PhD in Economics and Statistics - ECOSTAT (Università Bicocca)

- Teaching Assistant in Econometrics (Postgraduate), 2016-present

Università Carlo Cattaneo (LIUC), Castellanza, Italy

- Adjunct Professor in Quantitative Methods (Postgraduate), 2006
- Adjunct Professor in Development Economics (Undergraduate), 2004-2005
- Teaching Assistant in Microeconomics (Undergraduate), 2006-2007
- Teaching Assistant in Macroeconomics (Undergraduate), 2006
- Teaching Assistant in International Economics (Undergraduate), 2002-2003
- Tutor in Global Markets and Economic Policies (Undergraduate), 2006-2009

MIP-Politecnico di Milano, Italy

- Adjunct Professor in Economics for International MBA (Postgraduate), 2006

Politecnico di Milano, Italy

- Teaching Assistant in Economics (Undergraduate), 2006

University of Sussex, UK

- Tutor in Statistics for Economists (Undergraduate), 2004

### **EDUCATION**

DPhil in Economics, University of Sussex, UK, 2009

- Dissertation title: Three Essays On International Migration
- Supervisor: Prof. Barry Reilly
- Principal subjects: Economics of Migration, Development Economics, Econometrics

PhD in Economics, Università degli Studi di Milano, Italy, 2006

- Dissertation title: The Determinants and Effects of Migration in Labour Exporting Countries
- Supervisor: Prof. Rodolfo Helg
- Principal Subjects: Economics of Migration, Microeconomics, Macroeconomics, Econometrics

MA in Development Economics, University of Sussex, UK, 2003

Degree in Business Administration (Magna cum Laude), Università Carlo Cattaneo, LIUC, Italy, 2000

## **ADDITIONAL COURSES**

Ninth Summer School in International and Development Economics, Centro Studi Luca D'Agliano, 2010  
Econometric course for PhD students, CIDE, Centro Interuniversitario di Econometria, Italy, 2004

## **GRANTS, FELLOWSHIPS AND AWARDS**

Grant recipient for the project "Turning opposition into support to immigration: the role of social norms" (joint with Daniela Grieco), Bank of Italy Research Grant, January 2021. € 9'000

Grant recipient as coordinator of the Horizon 2020 Research and Innovation Framework Programme project "Psychological, social and financial barriers to energy efficiency"(PENNY), 2016-2019. € 1.5 million

Best Presentation Award at CMCC and FEEM Convention, 2012 and 2015

Ph.D. Fellowship, Università degli studi di Milano, 2001-2004

Scholarship related to "Mobility of young researchers", 2002. Fondo Sociale Europeo

## **PUBLICATIONS**

### **Articles**

(20) Turning opposition into support to immigration: the role of narratives (with D. Grieco). **Journal of Economic Behavior and Organization**, 190, pp 785-801, 2021

(19) "Can social information programs be more effective? The role of environmental identity for energy conservation? (with J. Bonan; G. d'Adda and M. Tavoni). **Journal of Environmental Economics and Management**, 108, 2021

(18) Should they stay or should they go? Climate Migrants and Local Conflicts (with V. Bosetti and G. Peri). **Journal of Economic Geography**, 21(4), pp 619–651, 2021

(17) Energy Efficiency and the Role of Energy-Related Financial Literacy: Evidence from the European Residential Sector (with A. Obrist; N. Boogen; M. Filippini). **Energy Efficiency**, 14(40), 2021

(16) The interaction of descriptive and injunctive social norms in promoting energy conservation (with J. Bonan; G. d'Adda and M. Tavoni). **Nature Energy**, 5, pp. 900–909, 2020

(15) How to combine information on others' energy usage and approval of energy conservation to promote energy efficiency (with J. Bonan; G. d'Adda and M. Tavoni). **Nature Energy**, 5, pp. 832–833, 2020

(14) Migrant networks and adaptation. **Nature Climate Change**, 9, pp. 907-908, 2019

(13) Does harmful climate increase or decrease migration? Evidence from Rural Households in Nigeria (with Emanuele Massetti). **Climate Change Economics**, vol. 10 (4), 2019

(12) Human Migration in the Era of Climate Change (with Beine, Fröhlich, Kniveton, Martinez-Zarzoso, Mastrorillo, Millock, Piguet, Schraven). **Review of Environmental Economics and Policy**, vol. 13(2), pp. 189–206, 2019

(11) "Internal and external barriers to energy efficiency: which role for policy interventions" **Energy Efficiency**, vol. 12, pp. 1293–1311, 2019

(10) "Climate-induced international migration and conflicts" (joint with Valentina Bosetti). **Cesifo Economic Studies**, vol. 63(4), pp. 500-528, 2017

(9) "Opting in to opt out? Emigration and Group participation in Albania". **International Migration Review**, vol. 50(4), pp. 1046-1075, 2016

(8) "The Migration Response to Increasing Temperatures" (joint with Giovanni Peri). **Journal of Development Economics**, vol. 122, pp. 127-146, 2016. Media coverage in NYT, Voxeu and World Economic Forum

(7) "Migration of Skilled Workers and Innovation: A European Perspective" (joint with V. Bosetti and E. Verdolini). **Journal of International Economics**, vol. 96(2), pp. 311-322, 2015

(6) "What Happens to the Careers of European Workers When Immigrants "Take Their Jobs"?" (joint with C. Fiorio and G. Peri). **Journal of Human Resources**, vol. 50(3), pp. 655-693, 2015

- (5) "Immigration and Careers of European Workers: Effects and the Role of Policies" (joint with C. Fiorio and G. Peri). **IZA Journal of European Labor Studies**, 2:17, 2013
- (4) "Migrants' transfers and educational expenditure: an empirical evidence from Albania". **Economics of Transition**, vol 20(1), pp. 163-193, 2012
- (3) "Industrial Coal Demand in China: a Provincial Analysis" (joint with M. Manera and E. Scarpa). **Resources and Energy Economics**, vol. 33(1), pp. 12-35, 2011
- (2) "International Migration, the Brain Drain and Poverty: a Cross Country Analysis". **World Economy**, vol. 32(8), pp. 1180-1202, 2009
- (1) "The Determinants of Actual Migration and the Role of Wages and Unemployment in Albania: an Empirical Analysis". **European Journal of Comparative Economics**, vol. 5(1), pp. 3-32, 2008

### **Working papers**

- (7) Climate Change, International Migration, and Interstate Conflict (with T. Foreman), Cream Discussion Paper 9/21
- (5) "Qualitative Scenario Building for Post-Carbon Cities" (joint with Margaretha Breil and Katie Johnson), FEEM Working Paper No. 102.2015
- (4) "Which Factors Explain the Rising Ethnic Heterogeneity in Italy? An Empirical Analysis at Province Level" FEEM Working Paper N. 2014.034, 2014
- (3) "Multicultural Cities, Communication and Transportation Improvements. An Empirical Analysis for Italy" FEEM Working paper N. 2012.068, 2012
- (2) "Energy efficiency in Europe: trends, convergence and policy effectiveness" (joint with A. Bigano, A. Bastianin, A. Lanza, M. Manera, A. Markandya, R. Ortiz, M. Plotegher and F. Sferra, MPRA Working Paper, 2009
- (1) "The Self-Selection in the Migration Process: What Can We Learn?", LIUC Working Paper n.199, 2007

### **Work in progress**

- Climate Variability and world-wide migration. Current evidence and future projections (with S. Dasgupta, F. Farinosi and E. Massetti)
- Social information and waste disposal (with Bonan, d'Adda, Galliera, Tavoni)
- Turning opposition into support to immigration. The role of social norms (with D. Grieco)
- Who deserves redistribution? (with D. Grieco)

### **Publications in the popular press**

- (11) "Should they stay or should they go? Climate migrants and local conflicts" (joint with G. Peri and V. Bosetti), 18 June 2018, [www.voxdev.org](http://www.voxdev.org)
- (10) "Cambiamento climatico e migrazioni", in *Energia Ambiente e innovazione*, Fascicolo 2/2018 - "Decarbonizzazione"
- (9) "Cambiamento climatico e conflitti civili"(joint with V. Bosetti), *Equilibri*, 1/2017, pp. 79-86
- (8) "Cambiamento climatico e migrazione" *Equilibri*, 1/2016, pp. 101-109
- (7) "How does climate change affect migration? (joint with G. Peri), 23 November 2015, [www.weforum.org](http://www.weforum.org)
- (6) "Migration's response to increasing temperatures" (joint with G. Peri), 14 November 2015, [www.voxeu.org](http://www.voxeu.org)
- (5) "Educational Expenditure and Remittances: Is there a Link?" *Review of Environment, Energy and Economics - Re3*, Fondazione Eni Enrico Mattei, February 2014
- (4) "Ethnic Heterogeneity and Knowledge Formation in Europe" *Review of Environment, Energy and Economics - Re3*, Fondazione Eni Enrico Mattei, November, 2012

(3) "The consequences of the financial crisis on foreign workers and the labour market" FEEM Policy Brief n. 6/09, 2009

(2) "Le Rimesse degli Emigrati" Equilibri, 1/2009, pp. 111-124

(1) "Are China and Europe Converging? (joint with A. Bastianin and A. Markandya) China Economist, July-August, 2009

### **Report**

International Migration Drivers – a quantitative assessment of the structural factors shaping migration, Science for Policy report by the Joint Research Centre (JRC), 2018

China's Energy Management Policies and Measures and their international comparison" Report prepared for Ministero dell'ambiente Italiano, 2009

### **REFEREE, PROJECT EVALUATION AND EDITORIAL ACTIVITIES**

Expert Reviewer for the Internal Draft, First Order Draft (FOD) and Second Order Draft (SOD) of the IPCC Sixth Assessment Report (WGII AR6) - Working Group II (WGII)

Grant reviewer for: Swiss National Science Foundation; BeIPD-COFUND-IPD - ULg postdoctoral positions for foreign PhDs, Université de Liège

Referee for: Climatic Change, Demography, Economics of Disasters and Climate Change, Economic Development and Cultural Change, Economics of Transition, Energy Economics, Energy Efficiency, Environment and Development Economics, Global Environmental Change, International Migration Review, IZA World of Labor (WoL), Journal of African Economies, Journal of Development Economics, Journal of Development Studies, Journal of Economic Geography, Journal of Economic Surveys, Journal of Environmental Economics and Management, Journal of Environmental Economics and Policy, Journal of Globalization and Development, Journal of Regional Science, Journal of the Association of Environmental and Resource Economists, Journal of the European Economic Association, Nature Climate Change, Nature Communications, Nature Human Behaviour, Nature Sustainability, Oxford Economic Papers, Papers in Regional Science, Population and Environment, Regional Science and Urban Economics, Review of Environmental Economics and Policy, Review of International Economics, Scandinavian Journal of Economics, Science, World Development.

Contribution to "Energy Governance, Institutions and Policies in the EU", in M. Manera (ed.), Energy Governance, Institutions and Policies in China and the EU, FEEM Press, Milano (ISBN: 978-88-94-17014-6)

Member of the Editorial Board of Equilibri, 1/2017 "Pochi gradi di troppo, Migrazioni indotte dal cambiamento climatico", Il Mulino (ISBN 978-88-15-26862-4)

### **INTERNATIONAL CONFERENCES AND SEMINARS**

**2021:** CliMigHealth seminar III on Climate Change and Migration, Ghent University (online); META-C-LAB seminar on climate-migrants, Politecnico di Milano (online); PEGNet conference on "Climate risks and policies" (online); Webinar series on The Economics of Migration; CEEM (Center for Environmental Economic – Montpellier) Economics Webinar; 4th Annual LSE Workshop in Environmental Economics.

**2020:** Invited seminar at the Research Training Group on Globalization and Development (GLAD), University of Hannover; invited presentation at the Annual Conference on Migration and Diversity at WZB Berlin Social Science Center (cancelled)

**2019:** Seventh IAERE Annual Conference, University of Udine; 3rd International Conference Understanding Voluntary and Forced Migration, University of Lille; IEW, Paris; EAERE, Manchester; Invited speaker to the Task Force on mobilizing efforts to reach the EU EE target for 2020, DG ENER; Invited presentation at the VIII Meeting on International Economics, University Jaume I

**2018:** Invited presentation at University of Neuchatel; Invited speaker at Milan's Festival of Human Rights, Milan; Invited presentation at Migration as a Global Challenge: Interdisciplinary Approaches To a Complex Field, Goettingen (declined); Invited session at the World Congress of Environmental and Resource Economics (WCERE), Gothenburg (Declined); 5th European Conference on Behaviour and Energy Efficiency - BEHAVE, Zurich; 41<sup>st</sup> IAEE international conference, Groningen

**2017:** Keynote speaker at 5th MEDENER International Conference on Energy Transition, Lisbon; Invited presentation to Le mani sull'acqua, event promoted by GVC Italia, Bologna; 6th AIEAA Conference, Piacenza; ICID-IFAD Workshop on International Development, Rome

**2016:** Fourth IAERE Annual Conference, Bologna; FEEM and CMCC Lunch Seminar, Milan; CESifo Venice Summer Institute Workshop on "Climate Change and Migration", Venice; 22nd Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Zurich; 4th IZA Conference on Labor Market Effects of Environmental Policies, Bonn; FEEM 2016 Convention; Invited speaker to the Kick-off Workshop of the Task Force on Forced Migration, Berlin

**2015:** Fourth CMCC and FEEM Convention, Venice; 21st Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Helsinki

**2014:** Third CMCC and FEEM Convention, Venice

**2012:** First CMCC and FEEM Convention, Venice; Research Seminar Series on Global Challenges, Milan; XXVII AIEL Conference of Labour Economics, Capua; FEEM Lunch Seminar, Milan

**2010:** Italian Trade Study Group, Università "Mediterranea" Reggio Calabria; Migration: A World in Motion. A Multinational Conference on Migration and Migration Policy, Maastricht

**2009:** XXIV National Conference of Labour Economics, Sassari; International IMISCOE/ SUS.DIV Conference, Stockholm University; Italian Trade Study Group, Università di Cagliari; FEEM Lunch Seminar, Milan

**2008:** 1st International Workshop on Empirical Method in Energy Economics, ETH Zurich

**2007:** IEM Lunch Seminar, FEEM, Milan; 16th National Scientific Conference of the The Italian Association for the Study of Comparative Economic Systems, Università di Parma

**2006:** CNR Working Group on International Economics and Development, Università degli studi di Milano

**2004:** 7th Annual Conference on Global Economic Analysis, The World Bank, Washington D.C.; EcoMod, International Conference on Policy Modeling University Paris I – Panthéon Sorbonne (Paris); CNR Working Group, Università di Bari

### **ORGANIZATION OF CONFERENCES**

**2019:** PENNY Final Conference "Interventions to change consumer behaviour for energy efficiency: Can they help achieve Europe's climate objectives? Bruxelles, 6 June 2019. Co-organizer

**2017:** Policy session on Migration, Forced Displacement and Climate Change at the 23rd Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Athens, 28-29-30 June 2017. Organizer

**2017:** Stakeholder and Expert Workshop on "Understanding energy efficiency", PENNY Project, Münster, Germany, 26-27 September, 2017. Co-organizer

**2016:** Conference Climate-Induced Migration, Fondazione Eni Enrico Mattei (FEEM), Milan, 22-23 November 2016. Organizer

**2015:** Stakeholder Workshop on "Qualitative scenario building for Post-Carbon cities", POCACITO Project. Sensitivity Workshop, Milan, 1 June 2015, Fondazione Eni Enrico Mattei, Italy. Co-organizer

**2014:** Stakeholder Workshops on "Qualitative scenario building for Post-Carbon cities", POCACITO Project. Backcasting Workshop, Milan 27 November 2014; Vision Workshop, Milan 29 September 2014. Fondazione Eni Enrico Mattei, Italy. Co-organizer

### **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

**2020** Supervision of 1 Student of the Master in Science and Management of Climate Change, Ca' Foscari University, Venice

**2019** Supervision of 1 Master Degree Student of the Ecole Normale Supérieure de Paris-Saclay

**2016** Supervision of 1 Master Degree Student of the Ecole Nationale Supérieure des Mines de Nancy

### **LANGUAGES**

Italian: mother-tongue

English: fluent, both spoken and written

French: elementary, both spoken and written

### **ECONOMETRIC PACKAGES**

Stata, Limdep, Eviews

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