

Matteo Coronese

Current Position

Scuola Superiore Sant'Anna - Institute of Economics

POST-DOCTORAL RESEARCHER

Pisa, Italy

Oct. 2019 - Present

- **Research Interests:** Climate Change, Income Inequality, Complexity and Agent-Based Modeling.

Education

Scuola Superiore Sant'Anna

PHD IN ECONOMICS

Pisa, Italy

Oct. 2015 - Jul. 2020

- **Thesis:** Three Essays on the Economics of Environmental Boundaries. Supervisor: Andrea ROVENTINI.

University of Amsterdam

MASTER OF SCIENCE IN ECONOMETRICS

Amsterdam, The Netherlands

Sep. 2014 - Oct. 2015

- **Thesis:** Income Inequality, Credit Markets and Macroeconomic Crisis – A DSGE Approach. Supervisor: Isabelle SALLE.

University of Siena

MASTER OF SCIENCE IN ECONOMICS

Siena, Italy

Nov. 2011 - Jul. 2014

- **Final Mark:** 110/110 cum laude. **Thesis:** Thesis: Shifts in Factor Distribution and Financial Crisis. Supervisor: Alberto DALMAZZO.

University of Siena

BACHELOR DEGREE IN ECONOMICS

Siena, Italy

Sep. 2007 - Nov. 2010

- **Final Mark:** 110/110 cum laude. Supervisor: Stefano BARTOLINI.

Publications

- 2023 **AgriLOVE: Agriculture, land-use and technical change in an evolutionary, agent-based model**, Coronese M., Occelli M., Lamperti L, and Roventini A., *Ecological Economics*, 2023.
DOI: <https://doi.org/10.1016/j.ecolecon.2023.107756>
- 2022 **Climate change and the nonlinear impact of precipitation anomalies on income inequality**, Palagi E., Coronese M., Lamperti L, and Roventini A., *Proceedings of the National Academy of Sciences (PNAS)*, 2022.
DOI: <https://doi.org/10.1073/pnas.2203595119>
Media Coverage: ANSA, Il Sole 24 Ore La Repubblica
- 2020 **Reply To Geiger And Stomper: On Capital Intensity And Observed Increases In The Economic Damages Of Extreme Natural Disasters**, Coronese M., Lamperti L, Keller K., Chiaromonte F, and Roventini A., *Proceedings of the National Academy of Sciences (PNAS)*, 2020.
DOI: <https://doi.org/10.1073/pnas.1922722117>
- 2019 **Evidence for sharp increase in the economic damages of extreme natural disasters**, Coronese M., Lamperti L, Keller K., Chiaromonte F, and Roventini A., *Proceedings of the National Academy of Sciences (PNAS)*, 2019.
DOI: <https://doi.org/10.1073/pnas.1907826116>
Media Coverage: The Washington Post, Science Daily, Thomson Reuters Foundation, Ars Technica, La Repubblica , Il Sole 24 Ore, ANSA.

Working Papers

- 2022 **Economic impacts of natural hazards and complexity science: a critical review**, Coronese M., Luzzati D., LEM Working Papers, 2022.
- 2018 **The "Rajan Hypothesis": a counter-factual experiment**, Coronese M. and Salle I., LEM Working Papers, 2018.

Teaching

Guest Lecturer - Climate Justice, Real Estate and Vulnerability

MASTER OF SCIENCE LEVEL, 2 HOURS, 20 STUDENTS C.A., IN ENGLISH, COLUMBIA UNIVERSITY

New York (USA)

Apr. 10 2022

Teaching Assistant - Computational Economics

MASTER OF SCIENCE LEVEL, 10 HOURS, 10 STUDENTS C.A., IN ENGLISH, SCUOLA SUPERIORE SANT'ANNA

Pisa

Mar. 2022 - Jun. 2022

Guest Lecturer - Summer School on Climate Change

MASTER OF SCIENCE LEVEL, 2 HOURS, 20 STUDENTS C.A., IN ENGLISH, SCUOLA SUPERIORE SANT'ANNA

Pisa

July 14 2021

Guest Lecturer - Advanced Macroeconomics and Computational Economics

MASTER OF SCIENCE LEVEL, 10 HOURS, 10 STUDENTS C.A., IN ENGLISH, SCUOLA SUPERIORE SANT'ANNA

Pisa

Mar. 2021 - Jun. 2021

Guest Lecturer - Advanced Macroeconomics and Computational Economics

MASTER OF SCIENCE LEVEL, 10 HOURS, 10 STUDENTS C.A., IN ENGLISH, SCUOLA SUPERIORE SANT'ANNA

Pisa

Mar. 2020 - Jun. 2020

Teaching Assistant - Computational Economics

MASTER OF SCIENCE LEVEL, 10 HOURS, 10 STUDENTS C.A., IN ENGLISH, SCUOLA SUPERIORE SANT'ANNA

Pisa

Mar. 2019 - Jun. 2019

Teaching Assistant - Advanced Macroeconomics

MASTER OF SCIENCE LEVEL, 20 HOURS, 35 STUDENTS C.A., IN ENGLISH, SCUOLA SUPERIORE SANT'ANNA

Pisa

Mar. 2018 - Jun. 2018

Teaching Assistant - Advanced Macroeconomics

MASTER OF SCIENCE LEVEL, 20 HOURS, 35 STUDENTS C.A., IN ENGLISH, SCUOLA SUPERIORE SANT'ANNA

Pisa

Mar. 2017 - Jun. 2017

Work Experience

Dartmouth College

VISITING RESEARCHER

Hanover, USA

Oct. - Nov. 2022

- Working in the Klaus Keller Lab, at the Arthur L. Irving Institute for Energy & Society.

Pennsylvania State University

VISITING RESEARCHER

State College, USA

Sep. - Dec. 2018

- Working in the Department of Statistics and the Department of Geography, mostly with research groups led by Francesca Chiaromonte, Klaus Keller and Guido Cervone.

ilcartello.eu

EDITORIAL STAFF

Florence/Barcelona, Italy/Spain

2013 - 2018

- Member of the editorial staff at ilcartello.eu.
- Regular blogging activity on news, society and economics.

Elabora S.a.s. Chartered Accounting Firm

INTERNSHIP

Montalcino, Italy

Jun. - Aug. 2010

- Helped in the assessment of administrative and tax litigations. Corporate auditing: special focus on human resources and salaries.
- Balance sheet editing and assessment. Fiscal certifications editing (Income Tax Returns, IVA (VAT), IRPEF).

Projects

I have contributed, both scientifically and through managing activities, to the following projects: **GROWINPRO** (H2020); **EEIST** (UK Government funded project).

Refereeing activities

Ecological Economics (Springer). Journal of Business Cycle Research (Springer). Eurasian Economic Review (Springer). Computational Economics (Springer). SoftwareX (Springer). Econometrics (MDPI).

Honors & Awards

2021 **PhD Thesis Spitali Prize**, Sant'Anna School for Advanced studies prize for best PhD Thesis in Social Sciences.

Pisa, Italy

Honorable Mention Delegation Award, Commission on Sustainable Development (Rio+20), U.N. Headquarters, National Model United Nations 2012 in recognition of Position Paper and conference performance.

New York, U.S.A.

Talks and Conferences

TALKS

IRPET - Istituto Regionale Programmazione Economica Toscana

Firenze, ITA

SEMINAR

Mar 2 2023

- Presented the work "Climate change and the nonlinear impact of precipitation anomalies on income inequality".

SMAC Talk - Pennsylvania State University

State College, USA

SEMINAR

Nov 18 2022

- Presented personal ongoing research, in a talk entitled "Who will carry the climate burden? Heterogeneous impacts of climate anomalies on income classes and sectors".

Africa Connect

Pisa, Italy

SEMINAR

Apr 13 2022

- Presented personal ongoing research on climate change impacts.

Roma Tre

Rome, Italy

SEMINAR

May 7 2021

- Presented personal ongoing research on climate change impacts.

IMF - International Monetary Fund

Washington DC, USA

SEMINAR

Dec. 11 2018

- Presented the work "Evidence for sharp increase in the economic damages of extreme natural disasters"

SMAC Talk - Pennsylvania State University

State College, USA

SEMINAR

Sept. 14 2018

- Presented the work "Evidence for sharp increase in the economic damages of extreme natural disasters"

TEDx Siena

Siena, Italy

TED SPEAKER

Oct. 22 2017

- Title of the talk: "Living over the water" / "Vivere a pelo d'acqua".

CONFERENCES

2022	EAEPE , European Association for Evolutionary Political Economy Conference, September 7-9.	Naples, ITA
2022	WEHIA , 25st Annual Workshop Economic Science with Heterogeneous Interacting Agents, June 22-24.	Catania, ITA
2022	IAERE , 10th Conference Italian Association of Environmental and Resource Economists, April 21-23.	Cagliari, ITA
2021	EAEPE , European Association for Evolutionary Political Economy Conference, September 2-4.	Online
2020	EAEPE , European Association for Evolutionary Political Economy Conference, September 2-4.	Online
2019	SSC , Social Simulation Conference, September 23-27.	Mainz, GER
2019	ECOMOD , 8th International Conference on Economic Modeling and Data Science, July 10-12.	Ponta Delgada, PRT
2019	WEHIA , 24st Annual Workshop Economic Science with Heterogeneous Interacting Agents, June 24-26.	London, UK
2018	ICSD , International Conference on Sustainable Development, September 26-28	New York, USA
2018	WEHIA , 23st Annual Workshop Economic Science with Heterogeneous Interacting Agents, June 30- July 2.	Tokyo, JPN
2018	IAERE , 6th Conference Italian Association of Environmental and Resource Economists, February 15-16.	Turin, ITA
2017	CEF , 24th International Conference Computing in Economics and Finance, June 19-21.	Milan, ITA
2017	FEGAC , Finance and Economic Growth in the Aftermath of the Crisis, September 11-13.	Milan, ITA
2017	WEHIA , 22st Annual Workshop Economic Science with Heterogeneous Interacting Agents, June 12-14.	Milan, ITA

Dissemination

Come e perchè sta cambiando il clima

Pisa, ITA

RADIO AULA 40

28 Nov. 2019

Prima Della Marea - Conversazioni Quasi Ecologiche

Pisa, ITA

SCUOLA SUPERIORE SANT'ANNA

22 Nov. 2019

Le Impronte Degli Uomini

Montebelluna, ITA

COMBINAZIONI FESTIVAL

23 Sep. 2019

Extracurricular Activity

Radio Facoltà di Frequenza

RADIO ACTIVITY

Siena, Italy

Sep. 2007 - Sep. 2009

- Two-year radio experience as speaker and sound supervisor. Curator of a sports and a news programme.

Personal Skills

Languages

- ITALIAN · Mothertongue
- ENGLISH · Fluent
- FRENCH · Working Proficiency
- SPANISH · Good

Computer Skills

ADVANCED R, MatLab, Git, Dynare, GIS, \LaTeX .
INTERMEDIATE C++, Stata, Gretl, EViews.

Aptitudes

Fervent reader, eager traveler and passionate guitar player. Attending the Rock Factory music school (specializing in blues) 2011-2014.

April 21, 2023, Matteo Coronese.
Autorizzo il trattamento dei miei dati personali, ai sensi del D.lgs. 196 del 30 giugno 2003.