

Davide Bazzana

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CURRENT POSITION

Post-Doctoral Fellow

09.2019 to present

Fondazione Eni Enrico Mattei, Milan, Italy

Project: "Agenda 2030 – Which Water"

RESEARCH INTERESTS

WATER-ENERGY-FOOD NEXUS Developing an agent-based approach to investigate the trade-offs arising from the competition for natural resources between different hierarchical agents and the effects of development policies on the rural population well-being.

ENDOGENOUS FLUCTUATIONS in MACROECONOMICS This topic is investigated through the agent-based modelling exploring how the heterogeneity and the bounded rationality can affect both the business cycle dynamics and the effectiveness of the fiscal and monetary policies.

NEGLECTED RISK The neglected risk phenomena is investigated through a psychological mechanism of representativeness which generates endogenous and complex market dynamics.

EDUCATION

PhD in Economics

10.2012 – 05.2016

Lombardy Advanced School of Economic Research, University of Milan, Italy

Thesis: "Endogenous fluctuations in macroeconomics: the role of heterogeneity"

Supervisor: Prof. Domenico Delli Gatti (Catholic University of the Sacred Heart, Milan)

Laurea Magistrale (MSc) in International Economics

09.2009 – 03.2012

University of Brescia, Italy

Thesis: "Origins and Consequences of the Mexican Crisis in 1994"

Grade: 110/110 with honour

Laurea Triennale (BA) in Economics

09.2006 – 10.2009

University of Brescia, Italy

Thesis: "Investments in knowledge and effects on firm performance: the case of Scandinavian firms"

Grade: 105/110

RESEARCH EXPERIENCE

Post-doctoral fellow

09.2017 – 08.2019

University of Brescia – Department of Molecular and Translational Medicine

Project Title: "Opportunities for a sustainable food-energy-water future in the Blue Nile Mountains of Ethiopia" (funded by Belmont Forum)

Supervisor: Prof. Gianni Gilioli

Post-doctoral fellow

04.2016 – 03.2017

University of Brescia – Department of Economics and Management

Project Title: “Banking, currency and financial crises in history: theories, dynamics and policy indications”

Supervisor: Prof. Francesco Spinelli

TEACHING EXPERIENCE

Teaching Assistant, Macroeconomics, bachelor level

University of Brescia

aa. 2015/16 to present

University of Milan

aa. 2016/17

Teaching Assistant, Microeconomics, bachelor level

University of Brescia aa.

2014/15

Teaching Assistant, Microeconomics II, PhD program

Lombardy Advanced School of Economic Research (LASER)

aa. 2015/16 - 2016/17

Teaching Assistant, Microeconomics I, PhD program

Lombardy Advanced School of Economic Research (LASER)

aa. 2015/16

VISITING PERIODS

Visiting fellow

Centre for Nonlinear Dynamics in Economics and Finance

09.2014 – 01.2015

Universiteit van Amsterdam, Amsterdam, NL

Supervisor: Professor Cars H. Hommes

Visiting Student

09.2011 – 12.2011

School of Oriental and African Studies, London UK

SUMMER SCHOOLS

Siena Summer School on Sustainable Development

09–20.09.2019

Italian Alliance for Sustainable Development (ASviS), University of Siena - Siena, IT

17th Trento Summer School “Macroeconomic Coordination and Externalities”

20.06 – 01.07.2016

Cognitive Experimental Economics Laboratory (CEEL) program

in Adaptive Economic Dynamics - Trento, IT

15th Trento Summer School “Intensive course on Financial Crises”

16–27.06.2014

Cognitive Experimental Economics Laboratory (CEEL) program

in Adaptive Economic Dynamics - Trento, IT

“The Science of Art of DSGE Modelling” Summer School

09–13.09.2013

Dynare-based Course on Model Construction, Estimation and Policy Analysis

Centre for International Macroeconomic – University of Surrey, UK

CONFERENCE AND WORKSHOPS PRESENTATIONS

Bazzana, D., *Sustainable-Smart Agriculture high level closed doors workshop*, Fondazione Eni Enrico Mattei, Milano, May 22, 2019

Bazzana, D., "Ageing population and pension system sustainability: An Agent-Based approach", *Longevity Risk, Differential Mortality, and Lifetime Inequality Workshop*, University of Brescia, Brescia, September 28, 2018

Bazzana, D., "What is beyond Austerity?", *Progressive Economy Annual Forum 2014*, European Parliament, Brussels, March 5-6, 2014

PUBLICATIONS

Published

Bazzana, D., 2018. "Heterogeneous expectations and endogenous fluctuations in the financial accelerator framework", *Macroeconomic Dynamics*. Cambridge University Press, pp. 1–33. Doi: 10.1017/S1365100518000251

Works in Progress

WATER-ENERGY-FOOD NEXUS

Bazzana, D., Gebreyes, M., Simonetto, A., Mueller-Mahn, D., Zaitchik, B., Gilioli, G., Simane, B. (2019). "Perceptions of the effect of the dam construction on well-being and water-energy-food securities"

Bazzana, D., Zaitchik, B., Gilioli, G. (2019). "Impact of hydropower development on rural livelihood: an agent-based exploration"

Bazzana, D., Zaitchik, B., Gilioli, G. (2019). "Impact of large-scale water and energy infrastructure on local well-being: an agent-based analysis of the water-energy-food nexus"

PENSION SYSTEM SUSTAINABILITY

Bazzana, D. (2019) "Ageing population and pension system sustainability: reforms and welfare implications"

ACTIVITIES AS REFEREE

Referee for the *Journal of Artificial Societies and Social Simulation*, *Journal of Economic Behavior and Organization*, *Journal of Cleaner Production*

LANGUAGE AND COMPUTER SKILLS

Italian: mother tongue

English: very good – level B2 (certified in 2012 IELTS Examination)

French: Basic – level A2

Microsoft Office component: proficient

Internet e webmail: proficient

Programming: Matlab (proficient)

Software: Dynare (basic), Stata (good), LyX (good), Scientific Workplace (basic)

Brescia, October 1, 2019

I authorise the processing of my personal data in compliance with Legislative Decree 196/03

A handwritten signature in black ink, appearing to read "Dink Praman". The signature is written in a cursive style with a large initial 'D' and 'P'.