

## Jacopo BONAN

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### ACADEMIC POSTIONS

2024- now: Associate Professor of Econometrics at the Department of Economics and Management, University of Brescia

2020–2023: Assistant Professor at the Department of Management, Economics and Industrial Organization, Politecnico di Milano

2018-2020: Research Fellow at the Department of Management, Economics and Industrial Organization, Politecnico di Milano

2015-2018: Junior Researcher at Fondazione Eni Enrico Mattei (FEEM)

2013-2015: Research Fellow at the Department of Mathematics and Physics, Catholic University of the Sacred Heart (Brescia) and Visiting Fellow at FEEM

### OTHER AFFILIATIONS

2018-now: Affiliate Scientist at Fondazione CMCC - CMCC-RFF European Institute on Economics and the Environment (EIEE)

2016–now: Fellow, Centro Studi Luca D’Aglia

### EDUCATION

2008-2013: PhD in Economics, University of Milan-Bicocca

2008-2009: MSc in Economics (with Distinction), University of Edinburgh

2006-2008: MA in Economics, University of Milan-Bicocca; Final grade: 110/110 cum laude

2003-2006: BA in Economics and Social Sciences, University of Milan-Bicocca; Final grade: 110/110 cum laude

### NATIONAL SCIENTIFIC QUALIFICATION (art.16 of the law 30 December 2010, n.240)

27/01/2022–27/01/2031 – Settore Concorsuale 13A1 Economia Politica, Professore di Seconda Fascia

27/01/2022–27/01/2031 – Settore Concorsuale 13A2 Politica Economica, Professore di Seconda Fascia

27/01/2022–27/01/2031 – Settore Concorsuale 13A5 Econometria, Professore di Seconda Fascia

### RESEARCH INTERESTS

Development Economics, Behavioural Economics, Environmental Economics, Agricultural Economics, Impact Evaluation Methods

### PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Bonan, J., C.Cattaneo, G.D'Adda, A.Galliera and M.Tavoni (2024) “Widening the scope: the direct and spillover effects of nudging water efficiency in the presence of other behavioral interventions”, *Journal of Environmental Economics and Management*
2. Bonan, J., C.Cattaneo, G.D'Adda and M.Tavoni (2024) “Heat of the moment: How temperature influences the search and purchase of energy-using appliances”, *Journal of Economic Behavior and Organization*
3. Bonan, J., S.Burlacu and A.Galliera, (2023) “Prosociality in variants of the dictator game: evidence from children in El Salvador”, *Journal of Behavioral and Experimental Economics*

4. Bonan, J., J.Bleck, P.LeMay-Boucher and B.Sarr (2023) “Drinking Tea with Neighbours: Social Capital and Social Trust in Mali”, *American Political Science Review*
5. Bonan, J., G.d'Adda, M.Mahmud and F.Said (2023) “Nudging Payment Behaviour: Evidence from a Field Experiment on Pay-as-You-Go Off-Grid Electricity”, *World Bank Economic Review*, 37(4) 620–639
6. Bonan, J., P.LeMay-Boucher and D.Scott (2022) “Can Hypothetical Time Discounting Rates Help Predict Actual and Incentivised Behaviour? Evidence from Senegal”, *World Development*, 159.
7. Bonan, J., C.Cattaneo, G.D'Adda and M.Tavoni, (2021) “Can social information programs be more effective? The role of environmental identity for energy conservation”, *Journal of Environmental Economics and Management*, 108.
8. Bonan, J., P.Battiston, J.Bleck, P.LeMay-Boucher, S.Pareglio, B.Sarr and M.Tavoni (2021) “Social Interaction and Technology Adoption: Experimental Evidence from Improved Cookstoves in Mali”, *World Development*, 144.
9. Bonan, J., C.Cattaneo, G.D'Adda and M.Tavoni (2020) “The interaction of descriptive and injunctive social norms in promoting energy conservation”, *Nature Energy* 5(11): 900-909.
10. Bonan, J., Cattaneo, C., d'Adda, G. and M.Tavoni (2020) “Combining information on others’ energy usage and their approval of energy conservation promotes energy saving behaviour” *Nature Energy* 5, 832–833.
11. McNabb, K, P.LeMay-Boucher and J. Bonan (2019) “Enforcement Problems in ROSCAs: an Empirical Investigation”, *European Journal of Development Research*, 31(5): 1389-1415.
12. Bonan, J., K. McNabb, P.LeMay-Boucher and Tomavo C.C. (2019) “Time preferences and commitment devices: evidence from ROSCAs and funeral groups in Benin”, *Oxford Development Studies*, 47(3): 356-372 .
13. Bonan, J. and Pagani, L. (2018) “Junior Farmer Field Schools, Agricultural Knowledge and Spillover Effects: Quasi-experimental Evidence from Northern Uganda”, *Journal of Development Studies*, 54(11): 2007-2022.
14. Bonan, J., P.LeMay-Boucher and M.Tenikue (2017) “Increasing anti-malaria bednet take-up using information and distribution strategies: Evidence from a field trial in Senegal”, *Journal of Development Effectiveness*, 9(4): 543-562.
15. Bonan, J., Pareglio, S. and Tavoni M. (2017) “Access to Modern Energy: a Review of Barriers, Drivers and Impacts”, *Environment and Development Economics*, 22(5): 491-516.
16. Bonan, J., P.LeMay-Boucher, O.Dagnelie and M.Tenikue (2017) “The Impact of Insurance Literacy and Marketing Treatments on the Demand for Health Microinsurance in Senegal: A Randomized Evaluation”, *Journal of African Economies*, 26(2): 169-191.
17. Bonan, J., V.Rotondi and S.Pareglio (2015) “Impact Evaluation of Agricultural Development Programs” *Rivista Internazionale di Scienze Sociali* 4: 369-380.
18. Bonan, J., P.LeMay-Boucher and M.Tenikue (2014) “Household's willingness to pay for health microinsurance and its impact on actual take-up: results from a field experiment in Senegal”, *Journal of Development Studies* 50(10): 1445-1462.
19. Von Jacobi, N. and J.Bonan (2014) “Methodological questions for the post-2015 development agenda”, *Glocalism: Journal of Culture, Politics and Innovation*, 1-2.

20. Bonan, J. and X. Scheil-Adlung (2013) “Gaps in social protection for health and long-term care in Europe: Are the elderly faced with financial ruin?” *International Social Security Review* 66(1): 25–48.

## **CHAPTERS IN EDITED BOOKS**

1. Bonan, J., Pareglio, S. (2015) *Access to Energy and Sustainable Development*, in Veca, S. (ed.), *The Many Faces of Sustainability*, Feltrinelli, Milano, 65- 93

## **WORKING PAPERS**

1. Bonan, J., H.Kazianga and M.Mendola, “Agricultural Transformation and Farmers' Expectations: Experimental Evidence from Uganda”, *Revise and Resubmit at Review of Economics and Statistics*, 3rd round
2. Bonan, J., D.Curzi, G.D'Adda and S.Ferro “Climate strikes and electricity consumption”, submitted
3. Bonan, J., C.Cattaneo, G.D'Adda, A.Galliera and M.Tavoni, “Social norms and tariff salience: An experimental study on household waste management”, *Revise and Resubmitted at Journal of Environmental Economics and Management*
4. Bonan, J., S.Burlacu and A.Galliera, “Recalling Violence Exposure and Cognitive Function among Primary School Students in El Salvador”, under review
5. Bonan, J., J.Bleck and P.LeMay-Boucher “Indigenous Associations and Public Goods Provision: Experimental Evidence from grins in Mali”, under review

## **REPORTS**

1. Gemini M. et al. (2022) “Cittadinanza attiva e collaborativa: Comportamenti virtuosi individuali e collettivi”, Politecnico di Milano and Poliedra
2. Bonan J. (2017) “Access to Energy and Economic Development in Ghana”, Reports, FEEM
3. Alloisio I., J.Bonan, C. Carraro, M. Davide, M. Hafner, S. Tagliapietra, M. Tavoni (2017) “Energy poverty alleviation and its consequences on climate change mitigation and African economic development”, FEEM Policy Brief
4. Bonan J. and X.Scheil-Adlung (2013) “Can the European elderly afford the financial burden of health and long-term care? Assessing impacts and policy implications”, ESS Extension of Social Security Paper

## **COMPETITIVE GRANTS**

2023: Promoting Green Nudging for Sustainable Agriculture and Forestry (PRUDENT), in response to the call HORIZON-CL6-2023-GOVERNANCE-01-3

*Funder:* European Commission

*Role:* WP leader

2023: GRINS project, Spoke 6 Low Carbon Policies

*Funder:* National Recovery and Resilience Plan (PNRR)

*Role:* Researcher (WP PI: C.Cattaneo; Coordinator: P.Valbonesi)

2022: DIGITA

*Funder:* PRIN 2020

*Role:* Researcher (PI: M.Tavoni)

2018: “Electricity Reliability and Small Business Performance: Evidence from Pakistan”

*Funder:* PEDL Explorative Research Grant (£35,000)

*Role:* PI (with G.d’Adda, F.Said and M.Mahmud)

2018: “Electricity Reliability and Small Business Performance: Evidence from Pakistan”

*Funder:* International Growth Centre (£55,000)

*Role:* PI (with G.d’Adda, F.Said and M.Mahmud)

2018: “Breaking the cycle. Reducing non-payment for electricity: experimental evidence from Pakistan”

*Funder:* International Growth Centre (£17,800)

*Role:* PI (with G.d’Adda, F.Said, M.Mahmud and M.Tavoni)

2016: “Access to solar electricity in rural Pakistan: impacts and sustainability

*Funder:* International Growth Centre (£30,000)

*Role:* co-PI (with G.d’Adda, F.Said and M.Tavoni)

2015: “Barriers and drivers of adoption of innovative energy solutions in Pakistan”

*Funder:* International Growth Centre (£6,200)

*Role:* PI (with G.d’Adda and M.Tavoni)

2014-2019: COBHAM

*Funder:* European Research Council

*Role:* Researcher (PI: M. Tavoni)

2014: “Knowledge Heterogeneity: Experimental Evidence on Information Barriers to Oil Seed Adoption in Uganda”, (with M.Mendola and H.Kazianga)

*Funder:* International Initiative for Impact Evaluation, 3ie

*Role:* Researcher (PI: M.Mendola and H.Kazianga)

2014: “Can Indigenous Associations Foster Trust, Tolerance, and Public Goods? Exploring the Role of Grinw in Re-building Civil Society and Democracy in Post-Conflict Mali”

*Funder:* USAID

*Role:* Researcher (PI: J. Bleck)

2012: “Information and anti-malaria bednets distribution strategies. Evidence from a randomized experiment”

*Funder:* Nuffield Foundation

*Role:* Researcher (PI: P.LeMay-Boucher)

2010: “The Role of Insurance Literacy and Marketing Treatments on the Demand for Health Microinsurance in Senegal”

*Funder:* ILO Microinsurance Facility

*Role:* Researcher (PI: P.LeMay-Boucher)

2008-12: PhD Scholarship

*Funder:* MIUR

## **NON-COMPETITIVE GRANTS AND CONTRACTS**

2022-now: Consultant for the impact evaluation of the Sustainable Energy Access in Eastern Indonesia—Electricity Grid Development Program

*Funder:* Asian Development Bank

*Role:* PI (with G.d’Adda)

2018-now: Research contract " Impact evaluation of behavioural interventions on energy, water and waste", between Gruppo Hera and Politecnico di Milano

*Funder:* Gruppo Hera

*Role:* focal point (PI: M.Tavoni)

2019-2021: Consultant for the impact evaluation of the project Progetto "Escuelas y Comunidades Inclusivas para otra ciudadanía" in El Salvador, in collaboration with NGO Soletterre

*Funder:* Fondazione punto.sud

*Role:* PI

2015-2018: Laboratorio Expo, Sustainable Development unit

*Funder:* Fondazione Giangiacomo Feltrinelli

*Role:* Researcher (PI: S.Pareglio)

2014-2015: "Informative inefficiencies and social networks in the decision to adopt improved cookstoves in Mali"

*Funder:* Fondazione Giangiacomo Feltrinelli (€12,500)

*Role:* PI

2014-2015: "Informative inefficiencies and social networks in the decision to adopt improved cookstoves in Mali"

*Funder:* FEEM (€15,000)

*Role:* PI

2013-2014: Consultant for the impact evaluation of the project "Junior Field Farmer School program in Uganda" implemented by the NGO AVSI

*Funder:* Fondazione punto.sud

*Role:* PI

2013-2014: Consultant for the impact evaluation of the project "Rafforzamento delle capacità produttive e sviluppo di pratiche eco-sostenibili in favore degli agricoltori maggiormente vulnerabili residenti nel distretto di Siraro, Oromia, Etiopia", implemented by the NGO CIAI

*Funder:* Fondazione punto.sud

*Role:* PI

## **REFEREE ACTIVITY**

World Development, Journal of Environmental Economics and Management, European Economic Review, American Journal of Agricultural Economics, World Bank Economic Review, Journal of Development Studies, Review of Environmental Economics and Policy, Environment and Development Economics, Health Economics, Social Science and Medicine, Plos One, Journal of Public Health Research

## **PRESENTATIONS AT CONFERENCES AND WORKSHOPS**

2024: "Indoor air quality and student welfare: The effect of air purifiers in school", SITES-GLO annual conference, Naples, Italy

2023: "Daily temperature and purchase of energy-using durables", FAERE 10th annual conference, Montpellier, France

2022: "Direct and cross-resource spillover effects of social information about water usage", ESA conference, Bologna, Italy

2022: "Agricultural Transformation and Farmers' Expectations: Experimental Evidence from Uganda", 1st PASRC Conference, Abuja, Nigeria

2019: “Agricultural transformation and farmers' expectations: Experimental evidence from Uganda”, Second International Conference on Applied Development Economics, Lahore School of Economics, Lahore, Pakistan

2019: “Heterogeneity of social information programs: the role of identity and values” 7th IAERE Conference, University of Udine, Italy

2017: “Imitation through social networks in technology adoption: Experimental evidence from improved cookstoves in Mali”, 5th IAERE Conference, University of Rome Tor Vergata, Italy

2017: “Social Interaction and Technology Adoption: Experimental Evidence from Improved Cookstoves in Mali”, CSAE Conference, Oxford University, UK

2013: “Are Hyperbolic Agents Sophisticated? An Investigation into Rosca and Funeral Group Membership in Benin”, DIAL Development Conference "Institutions and Development", Université Paris Dauphine-PSL, France

2013: “Impact Evaluation of Insurance Literacy and Marketing Treatments on the Demand for Health Microinsurance in Senegal”, 11<sup>th</sup> EUDN PhD Workshop on Development Economics, Toulouse School of Economics, France

## **ORGANIZATION OF CONFERENCES AND WORKSHOPS**

2019: International Workshop on Development Economics: “Challenges and opportunities for policy making and growth in Africa”, University of Milano-Bicocca, Italy

2014: “Energy Poverty and Energy Access: Global Challenges and Goals”, International Workshop, FEEM, Italy

## **INVITED SEMINARS, PRESENTATIONS AND TALKS**

2024: “Direct and cross-sectoral spillover effects of social information about water usage”, 20th Annual Conference of the Italian Association for Cognitive Sciences, Rome, Italy

2022: “Agricultural Transformation and Farmers' Expectations: Experimental Evidence from Uganda”, 1st PASRC Conference, Abuja, Nigeria

2022: “Nudging Payment Behaviour: Evidence from a Field Experiment on Pay-as-You-Go Off-Grid Electricity”, Workshop on energy and environmental issues in developing countries, University of Navarra, Spain

2022: “Social information, behavioural spillover and pro-environmental behaviour“, BSPL meeting, Princeton University, USA

2021: “Agricultural Transformation and Farmers' Expectations: Experimental Evidence from Uganda”, 3ie-IFAD workshop: Learning from IFAD Impact Assessments and 3ie’s Agricultural Innovation Evidence Programme”, IFAD, Italy

2021: “Direct and cross-resource spillover effects of social information about water usage”, invited seminar at Bank of Italy

2019: “Agricultural Transformation and Farmers' Expectations: Experimental Evidence from Uganda”, Development Economics Workshop, Heriot-Watt University, UK

2019: “Agricultural Transformation and Farmers' Expectations: Experimental Evidence from Uganda”, Development Economics Workshop, University of Milan-Bicocca, Italy

2019: “Heterogeneity of social information programs: the role of identity and values”, Energy Efficiency Symposium, Brugel Institute, Belgium

2018: “Access to Electricity: Role of Flexibility and Repayment”, First International Conference on Applied Development Economics, Lahore School of Economics, Pakistan

2017: “Valutazione di impatto di un intervento comportamentale per l'efficienza energetica: il caso Eni-Opower”, workshop "Behavioural Environmental Policy. Convegno sulle Scienze Comportamentali applicate al settore dell'energia e dell'ambiente" Gestore Servizi Energetici, Italy

2016: “Imitation Through Social Networks in Technology Adoption: Experimental Evidence from Improved Cookstoves in Mali”, invited seminar at Heriot-Watt University, Edinburgh, UK

2015: “Informative Inefficiencies and Social Networks in the Decision to Adopt Improved Cookstoves: Experimental Evidence from Mali”, invited seminar at FEEM, Milan, Italy

2015: “Field experiments in developing countries”, invited seminar at Center for Interdisciplinary Studies in Economics, Psychology, and Social Sciences, Università degli Studi di Milano-Bicocca, Italy

2014: “An overview of impacts of energy poverty”, International Workshop, FEEM, Italy

2013: “Le conseguenze finanziarie della spesa diretta per long-term care. Un confronto sulla situazione europea”, Forum sulla Non Autosufficienza, Italy

2013: “The Impact of Insurance Literacy and Marketing Treatments on the Demand for Health Microinsurance in Senegal: A Randomized Evaluation”, invited seminar at FEEM, Italy

## **VISITING AND RESEARCH EXPERIENCE ABROAD**

Jun–Aug 2022: Visiting scholar at the Behavioral Science for Policy Lab (BSPL), invited by Prof. Elke Weber, Princeton University, USA

May-June 2015: Field coordinator and local research team training, Bamako, Mali

Nov-Dec 2014: Field coordinator and local research team training, Oromia, Ethiopia

Apr–Oct 2013: Research Assistant at the Social Security Department invited by Dr. Xenia Scheil-Adlung, International Labour Organization, Switzerland

Aug-Oct 2012: Field coordinator, survey field management, local research team training and management, Thies, Senegal

Jun-Aug 2010: Field coordinator, survey field management, local research team training and management, Thies, Senegal.

## **TEACHING EXPERIENCE**

### **Phd level**

2024-now: “Econometrics” (one module), PhD Program in Analytics for Economics and Management, University of Brescia

2019-now: “Survey and Experimental Research Methodology” (one module), PhD in Management Engineering, Politecnico di Milano

2014-2018: “Introduction to impact evaluation”, PhD program in Development Economics and Local Systems, University of Trento and University of Florence

### **Graduate level**

2024- now: “Causal Inference and Impact Evaluation”, 6 CFU, University of Brescia

2021-2023: “Global Environmental Challenges”, 5 CFU, Master in Management Engineering, Politecnico di Milano.

2019-2020: Module on “Impact evaluation methods” (4 hours), course in Development Economics (prof. L.Piscitello), Politecnico di Milano

2019: Module on “Infrastructural constraints to firm growth: the role of electricity” (2 hours), course in Global firms and markets (prof. G. d'Adda.), University of Milan

2013: “Development Economics” (maternity replacement), 5 CFU, University of Milano-Bicocca

### **Undergraduate level**

2024- now: “Empirical Economics”, 9 CFU, University of Brescia

2021-2022: Teaching Assistant, course in Microeconomics (prof. G.Felice), Politecnico di Milano

2019-now: Modules on Environmental Economics (8 hours), course in Environmental Economics (prof. Massimo Tavoni), Politecnico di Milano

2019-now: Teaching Assistant, course in Environmental Economics (prof. M.Tavoni), Politecnico di Milano

2013: Teaching Assistant, course in Econometrics (prof. L.Stanca), University of Milano-Bicocca

### **SOFTWARES AND STATISTICAL PACKAGES**

Stata, R, Qualtrics, SurveyCTO, Latex

### **LANGUAGE SKILLS**

Italian (mother tongue), English (Fluent), French (Fluent), Spanish (Fluent)