

NADIA AMELI

n.ameli@ucl.ac.uk | <http://nadiaameli.com/>

Nadia is an experienced researcher on economic, finance and policy aspects of climate change and related energy issues. Her research investigates questions related to financial aspects of low-carbon investments and she has been awarded an ERC starting grant (LINKS) focusing on the role of climate finance to meet the Paris goals (2019-2024). Nadia is also bringing research insights into policymaking and practical experience to bear upon academic studies. Her research supported the work at several international public policy organisations, including the OECD, the European Commission and the Global Green Growth Institute.

AREA OF EXPERTISE

Climate finance, financial networks, policy evaluation methods, financing schemes for low-carbon investments, energy policy

EDUCATION

- 2012 **PhD, Business Administration**, Polytechnic University of Marche (ITA) co-tutorship of a doctoral thesis University of California, Berkeley (US)
Thesis: “**Design of Innovative Financing Model for Renewable Deployment: PACE (Property Assessed Clean Energy)**”
- Property Assessed Clean Energy [PACE] Financing Model: energy efficiency and solar energy financing plan that permit installation of clean energy systems on residences with no up-front costs.
Award: Named by Scientific American as the #1 World Changing Idea of 2009
- 2008 **MSc, Economy and Strategic Management** (*with distinction*), Polytechnic University of Marche (ITA)
- 2005 **BSc, Economics** (*with distinction*), Polytechnic University of Marche (ITA)

GRANTS, FELLOWSHIPS AND AWARDS

- 2021 UKERC Flexible Fund
Principal investigator, “*WIND*” Wind Investment Network for effective market Design (£ 250,000)
- 2019 EAERE Award for ERC Grants laureates in the field of environmental and resource economics
- 2018 **ERC Starting Grant**
Principal investigator, “*LINKS*” Kick-starting global climate investments: uncovering hidden links in climate finance and exploring dynamic evolution of investment networks for policy design (€1,500,000)
- 2014 [Lindau Nobel Laureate Meeting \(Economics\)](#)
Nomination and Sponsorship by the European Commission
- 2013 **Marie-Curie Fellowship, European Commission (€ 195,000)**
- 2012 **Winner Italy CleanWeb Hackaton with “[Pool Me Up!](#)”**
- 2011 International Student Energy Summit Fellowship (ISES)
- 2010 IAEE Best Student Paper Award
- 2001 Winner Foundation for Young Entrepreneur Students (ITA)

ACADEMIC AND RESEARCH EXPERIENCE

- 2019- **Principal Research Fellow (Faculty from 2024)**, University College London
2016 - 2019 **Senior Researcher Associate**, University College London
Co-Leading the finance research area of two EU Horizon2020-funded projects *GREEN-WIN* and *RIPPLES*
2013 - 2015 **Marie-Curie Fellow/Economist**, Green Growth Unit Economics Department OECD
2009 - 2013 **Researcher**, Italian Association Energy Economics (AIEE) (ITA)
2012 – 2012 **Researcher**, Mitigation Innovation and Transformation Pathways (MITP),
Fondazione Eni Enrico Mattei (FEEM) (ITA)

TEACHING

- 2016- Lecturer UCL Institute of Sustainable Resources, UCL Energy Institute, UCL School of Construction & Project Management
2009 - 2010 Teaching Assistant, Polytechnic University of Marche (ITA)

DOCTORAL DISSERTATION ADVISEES (UCL Institute Sustainable Resources and Energy Institute)

- 2019 - Sumit Kothari (ISR/EI) “Modelling the financial aspects of energy transition for low-carbon economies”
2018 - Irene Maffini (ISR) “Crowdfunding investment”
2018 - Isabelle Rojon (EI) “Financing the low-carbon transition of the shipping industry”

Completed

- 2017 - 2021 Dongyang Pan (ISR) “Green financial policy and sustainable development in China: insights from general equilibrium modelling and policy pilots”

ORGANISATION OF SCIENTIFIC MEETINGS/WORKSHOPS

- 2017 Co-organiser of the Finance Workshop: “The risk transition: shifting investment to a low carbon economy”, UCL
2016 Co-organiser of the Finance Workshop: “Aligning finance with climate goals”, UCL

BUSINESS AND PRIVATE SECTOR EXPERIENCE

- 2009 - 2011 Energy analyst (consultant), Loccioni Group (Italy)

PUBLICATIONS

Rickman J., F. Larosa, N. Ameli (2021) “The internal dynamics of fast-growing wind finance markets” (under review)

Larosa F., J. Rickman, N. Ameli (2021) “Finding the right dam(n) partners for a just energy transition” (under review)

Peer-reviewed journals

Ameli N., S. Kothari, M. Grubb (2021) “Misplaced expectations from climate disclosure initiatives”. *Nature Climate Change*, 1-8

Ameli N., O. Dessens, M. Winning, J. Cronin, H. Chenet, P. Drummond, A. Calzadilla, G. Anandarajah, M. Grubb (2021) “Higher cost of finance exacerbates a climate investment trap in

developing economies”. *Nature Communications* 12, 4046 (2021). Featured in [Bloomberg news](#) and [Forbes](#)

Ameli N., P. Drummond, S. Bisaro, M. Grubb, H. Chenet (2020) “Climate finance and disclosure for institutional investors: why disclosure is not enough”, *Climatic Change* 160(4), 565-589.

Ameli N., M. Pisu and D. M. Kammen (2017) “Can the US keep the PACE? A Natural Experiment in Accelerating the Growth of Solar Electricity”, *Applied Energy* 191 (2017) 163–169. Featured in [Science](#)

Ameli N., N. Brandt (2015) “What impedes Household Investment in Energy Efficiency Retrofits?” *International Review of Environmental and Resource Economics* 8(1):101-138.

Ameli N., N. Brandt (2015) “Determinants of households' investment in energy efficiency and renewables - Evidence from the OECD survey on household environmental behaviour and attitudes”, *Environmental Research Letters* 10 (2015) 044015

Ameli N., D. M. Kammen (2014), “Innovations in Financing that Drive Cost Parity for Long-term Energy Sustainability: An Assessment of Italy, Europe’s Fastest Growing Solar Energy Market”, *Energy for Sustainable Development* 19, 130-137

Ameli N., D. M. Kammen (2012), “Clean Energy Deployment: Addressing Financing Cost”, *Environmental Research Letters* 7 (2012) 034008

Ameli N., G. Gregori (2012), “Optimization Building Management”, *Journal of Energy and Power Engineering* 6, 391-396

Working papers, policy briefs and reports

- Ameli N., S. Kothari, G. Livan, G. Caldarelli (2021) “The hidden structure of energy efficiency investment”. Working paper available [here](#);

- B. Solano-Rodríguez, S. Pye, M. Grubb, O. Al-Kuwari & N. Ameli (2021). How should the oil and gas industry respond to net zero? *COP26 Policy Brief*. Available [here](#);

- Larosa F., N. Ameli, J. Rickman & S. Kothari (2021). Beyond standard economic approaches: complex networks in climate finance. Ca’ Foscari University of Venice, working paper. Available [here](#);

- Larosa F., J. Rickman, S. Kothari & N. Ameli (2021). Finance for the climate: charting a complex relationship. *COP26 Explainer*. Available [here](#);

- Winning M., N. Ameli, A. Sniegocki, Z. Wetmanska, M. Bukowski, M. Grubb, O. Dessens, A. Calzadilla, G. Anandarajah, J. Cronin (2019). Quantitative and qualitative analysis of the financial system implications of decarbonisation. Working paper.

- Ameli N., P. Drummond, M. Grubb (2018). “Securing macro-economic gains from decarbonisation investment: the finance dimension and an Italian case study”. Policy Brief.

- Ameli N., A. Biancardi, P. Drummond, M. Grubb, L. Paroussos, V. Zoi, K. Fragkiadakis, P. Fragkos, A. Mandel (2017). Stylised models of relative rates of return, technology co-benefit / spillover effects, multiplier and leverage effects for key sectors. Working paper.

- Drummond P., N. Ameli, M. Grubb (2017). “Financing the Low-carbon Transition: Current Landscape and Future Direction”. Policy Brief.

- Catenacci M., E. Verdolini, V. Bosetti, G. Fiorese, N. Ameli (2012) “Going Electric: Expert Survey on the Future of Battery Technologies for Electric Vehicles”, FEEM Working Paper.

- Ameli N., D. M. Kammen (2012), “Does Income Distribution Affect Energy Investments?”, *Review of Environment Energy and Economics*, Re3 Energy, FEEM Publishing.

- Ameli N., D.M. Kammen (2012), “The Linkage Between Income Distribution and Clean Energy Investments: Addressing Financing Cost”, FEEM Working Papers vol 10, FEEM Publishing.
- Ameli N., D. M. Kammen (2011), “PACE per il Clima”, Qualenergia vol 6, pp 67-71.
- Ameli N., D. M. Kammen (2010), “Energy Efficiency and Renewable Energy Financing Districts”, Nuova Energia vol 5, pp 56-63.

Editorial Board

Since 2018 [Environmental Research Communication](#)

Journal referee

Nature Climate Change, Joule, Global Environmental Change, Environmental Research Letters, Applied Energy, Energy Journal, Energy Economics, Energy, Resource and Energy Economics, Ecological Economics, Energy Policy, Climate Policy, Technological Forecasting & Social Change, Climate and Development, Energy for Sustainable Development, Environmental Research Communications, Resources.

Project proposal referee

Since 2020 European Research Council

Since 2018 Referee Member of the National Research Programmes MIUR/PRIN (Italy)

CONFERENCES AND SEMINAR PRESENTATIONS

2021 1st IAEE Online Conference (Paris); 26th Annual EAERE Conference (Berlin); 4th GRASFI Annual Conference (Beijing);

2019 [Frontier research: creating pathways to sustainability, European Research Council Conference, Brussels \(invited\)](#); Workshop on Economic Science with Heterogeneous Interacting Agents (WEHIA), London; **24th Annual EAERE Conference, Manchester (invited)**; **International Institute of Green Finance (IIFG) CUF, China (invited)**;

2018 41st Annual IAEE Conference “Transforming Energy Markets”, Groningen;

2017 Florence School of Regulation (FRS) Climate Annual Conference (EUI); **Webinar GGKP “Can We Achieve Economic Development & Climate Goals Together? Applying Win-Win Strategies” (invited)**; 40th Annual IAEE Conference “Meeting the Energy Demands of Emerging Economies, Implications for Energy and Environmental Markets”, Singapore; 3rd International Conference on Public Policy (ICPP3), Singapore;

2016 **University of Siena (invited)**;

2015 **Center for North South Economic Research (CRENoS) Sassy University (invited)**; **Center for Energy Policy and Economy (CEPE) ETH University (invited)**; **University of Bologna (invited)**; **University of Venice Ca’ Foscari (invited)**; 3th Annual Conference of Green Growth Knowledge Platform, Venice;

2014 14th International Association Energy Economics European Conference “Sustainable Energy Policies and Strategies for Europe”, Rome; OECD, brown bag seminar series;

- 2012 12th International Association Energy Economics European Conference “Energy Challenge and Environmental Sustainability”, Venice; **2th Concerted Action, “Energy Performance of Buildings Directive”, Copenhagen (invited)**; FEEM – Fondazione Eni Enrico Mattei;
- 2011 **“Energy Efficiency: Global Innovative Policies and Instruments”, Rome, Technical Meeting in order to implement the PACE policy in Italy at ENEA in collaboration with Ministry of Economic Development; Ministry for the Environment, Land and Sea; Ministry of Treasury**; ISES International Student Energy Summit, Vancouver; IAFOR ACSEE 2011 “The Asian Conference on Sustainability, Energy and Environmental”, Japan; University of California, Berkeley ERG group (Energy and Resources Group);
- 2010 7th British Institute of Energy Economics, “Energy in a Low Economy: New Roles for Government and Markets”, St John’s College Oxford; 11th International Association Energy Economics European Conference “Energy Economy, Policies, and Supply Securities: Surviving the Global Economic Crisis”, Vilnius; University of California, Berkeley ERG group (Energy and Resources Group).

INSTITUTIONAL RESPONSIBILITIES

- 2017 - Institute manager Bloomberg Lab (UCL ISR)
Member of Organising Committee Energy & Resource Economics Group (UCL)
- 2013 – 2015 Member of the OECD workgroup on “Gender equality”, OECD
- 2009 – 2013 Representative of the Energy Economics area at the IAEE
- 2009 – 2010 Student representative of young researchers at the IAEEs’ council

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

- Since 2019 Association of Environmental and Resource Economists
- Since 2018 Global Research Alliance for Sustainable Finance and Investment
- Since 2014 Lindau Alumni (Lindau Nobel Laureate Economics)
- Since 2012 Associate member, Marie Curie Fellows Association “Researchers without frontiers”
- Since 2011 Associate member, International Association Energy Economics (IAEE); Italian Association Energy Economics (AIEE)
- Since 2009 Alumni and Associate member, the Renewable Energy and Appropriate Laboratory, UC Berkeley

Maternity break November 2018 – September 2019

REFERENCES

- Prof. Michael Grubb (m.grubb@ucl.ac.uk), Institute for Sustainable Resources UCL
- Prof. Daniel M. Kammen (kammen@berkeley.edu), Energy and Resources Group UC Berkeley
- Dr. Walid Oueslati (wvalid.oueslati@oecd.org), Environmental Department OECD
- Dr. Mauro Pisu (mauro.pisu@oecd.org), Economics Department OECD