



CURRICULUM VITAE

NAME

ANA PUEYO

NATIONALITY

LANGUAGES

English (fluent), French (advanced), Spanish (native), Portuguese (basic)

COUNTRY EXPERIENCE

New Zealand, Pacific (Vanuatu, Tonga, Fiji, Tokelau), Indonesia, Ghana, Kenya, Tanzania, Senegal, Cape Verde, India, Chile, Peru, Honduras, Spain, UK, EU.

EXPERTISE

An experienced energy researcher, with over 20 years of dedicated work advancing universal energy access and decarbonisation. Most recently, Ana served as Senior Energy Adviser for New Zealand's Ministry of Foreign Affairs and Trade (MFAT), providing strategic and technical guidance across a portfolio of energy investments in the Pacific and Southeast Asia.

Ana's career spans research, policy advisory, and consultancy roles at the intersection of energy, environment, and development. She has held senior research positions at leading institutions, including the Institute of Development Studies (UK) and Motu Economic and Public Policy Research (NZ), and served as an adviser to the Director of the ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE).

In her consulting work, she has led international projects as Principal Consultant, offering expertise in energy policy, sustainable development, and environmental strategy. Ana has also provided intellectual leadership to international research initiatives, such as Green Growth Diagnostics for Africa and Gender Mainstreaming in the Productive Use of Energy. Additionally, she has offered technical leadership to flagship programs like the West African Clean Energy Corridor.

Her multidisciplinary background—spanning engineering, economics, and development studies—has been critical in navigating the complex technical, social, and policy dimensions of sustainable energy transitions.

QUALIFICATIONS

University of Canterbury

Christchurch, NZ

Master of Engineering- Renewable Energy

Feb 2022- December 2024 (part-time)

- Coursework completed: Energy modelling and analysis (A+), renewable electricity system design (A-), Sustainable Energy Systems (A), Energy, Technology and Society (A+), Construction procurement (B+), Wind resource modelling (A+), Final Engineering Project (A+).
- Dissertation: Energy transitions in the Pacific
- Awards: Recipient of the Orion Energy Scholarship

Universidad Politecnica de Madrid

Madrid, Spain

PhD, School of Industrial Engineering, Cum Laude

March 2012

Thesis: *Climate change technology transfer to developing countries: evidence analysis and policy recommendations*

Awards: Full scholarship by the Research Group on International Development

London School of Economics

London, UK

MSc Analysis, Design and Management of Information Systems

September 2003

Honors: Distinction

Universidad Autonoma de Madrid
BSc (Hons) Business and Economics
Awards: 1st, 3rd and 4th year full Scholarship

Madrid, Spain
September 1998

Other qualifications

- 2017, Regulation of the power sector, Diploma by the Florence School of Regulation
- 2010, post-graduate specialization in quantitative research methods, by the Superior Council of Scientific Research and Technical University of Madrid, Spain
- 2010, Econometrics diploma by the London School of Economics Summer School, London UK
- 1998-1999, Visiting Graduate student Environmental and Development economics. Maxwell School of Citizenship and Public Affairs, Syracuse University, US.

EMPLOYMENT / SELECTED ASSIGNMENTS

Institute of Development Studies

Associate Research Fellow

Brighton, UK
(September 2025- present)

Collaborate with the Resource Politics Research Cluster on research projects about energy and sustainability, support teaching.

University of Canterbury- Department of Civil and Natural Resources Engineering *Christchurch, New Zealand*

Adjunct Senior Fellow

(June 2025- present)

Collaborate with the Sustainable Energy Research Group on research projects about energy and sustainability in New Zealand and the Pacific; lecture on energy and development, and regulation of the power sector; mentor PhD students.

Ana Pueyo Energy Research

Senior Energy Researcher

Christchurch, New Zealand
(September 2025- present)

Independent researcher and consultant on Energy and Development for bilateral and multilateral development institutions.

Ministry of Foreign Affairs and Trade (MFAT)

Senior Energy Advisor

Wellington, New Zealand
(November 2022- August 2025)

Led the design, procurement and implementation of renewable energy systems in Tokelau and Vanuatu; renewable energy roadmap for Timor-Leste; organizational and technical review of the electricity utility in Tonga; design and establishment of a blended finance renewable energy fund for the Pacific, and technical assistance to Pacific utilities for performance improvement. Review of proposals for technical assistance support in the Pacific and ASEAN. Developed energy and climate change policy advice.

Motu, Economic and Public Policy Research

Research Fellow

Wellington, New Zealand
(February 2021 – November 2022)

Project management and research, including "Climate Teams: multilateral cooperation for climate change mitigation", for EDF, the evaluation of the Renewable Energy Fund, for MBIE, the preparation of a Just Transitions guide for the Ministry of Business (MBIE), and stakeholder dialogues on the distributional impacts of climate change in New Zealand, for the Aotearoa Foundation.

ECOWAS Center of Renewable Energy and Energy Efficiency (ECREEE)

Technical Advisor to the Director

Praia, Cape Verde
(September 2018 – September 2019)

- Provided technical support in the areas of renewable energy, energy for agriculture, international power trade, and gender mainstreaming.
- Lead the programs on Gender mainstreaming, WACEC (West African Energy Corridor), and solar irrigation.
- Procured consultants and other subcontractors.
- Organised energy events and workshops in West Africa

Institute of Development Studies (IDS), at the University of Sussex

Senior Research Fellow

Brighton, UK

(February 2012 – February 2022)

(Grade 9.2), on a permanent position.

- Principal investigator, leading large, international research projects on energy and development, such as “Sustainability, Inclusivity and Governance of Mini-Grids in Africa (SIGMA)”, “Green growth diagnostics for Africa”, “Transforming Energy Access – Powering Opportunities Partnership – Promoting inclusive Productive Uses of Energy from solar mini-grids in Lake Victoria, Tanzania”, “Pro-poor access to electricity”; or “The political economy of climate compatible development”.
- Co-investigator and consultant, leading work packages of research and consultancy projects such as “Sustainability, Inclusivity and Governance of Mini-Grids in Africa”, or “ESCO Box: Smart monitoring, billing and control for pro-poor access to energy services”.
- Funders: Engineering and Physical Sciences Research Council (EPSRC), Economics and Social Sciences Research Council (ESRC), Department for International Development (DfID), GIZ, ENERGIA, Ashden, the Commonwealth Development Corporation (CDC) and the Carbon Trust.
- Convened the Master’s module on “Competing in the green economy” and teaching in other courses about Climate Change and Development.

AEA Technology (now Ricardo AEA)

Principal Consultant

London, UK

(February 2011 – February 2012)

- Lead climate change and energy policy projects for the European Commission and the UK Government, including Impact Assessment of policy options to reduce GHG emissions of the EU shipping sector; Impact Assessment of policy options to improve EU Green Public Procurement
- Lead the preparation of proposals.

Entec UK (now Wood PLC)

Principal Consultant

London, UK

(2008-2009)

Led climate change and energy policy projects for the EC, the UK Government and the private sector, for example: “Assessment of benchmarking alternatives for free allocation in the EU ETS for the upstream oil and gas sector”; “Development of monitoring reporting and verification guidelines for the aviation sector on the EU ETS”; “Cost Benefit Analysis of green public procurement criteria”, or “the risk of carbon leakage for European industry under the EU ETS”.

Ecofys

Senior Consultant

Barcelona, Spain

(2007-2008)

Led and contributed to climate change and energy policy projects for the regional and national Government of Spain, and for the private sector, including the preparation of Project Design Documents for Clean Development Mechanism projects in Latin America and India; renewable energy resource potential of the region of Andalucia, or verification of GHG emissions of the region of Catalonia.

Garrigues Medioambiente

Senior Consultant

Madrid, Spain

(2003-2007)

Contributed to climate change and environmental policy projects for the regional and national Spanish government and the private sector, such as economic analysis and industry strategy in relation to the EU ETS for the Spanish glass, roof tiles and bricks sectors; technical support to the Ministry of the Environment, or preparation of the regional climate change mitigation strategies of Madrid and the Basque country.

DuPont

Finance specialist

Madrid, Spain

(2000-2002)

Accountant as part of the centralisation of European back-office functions in Spain’s financial center

Sol Melia

Internal Auditor

Madrid, Spain

(1999-2000)

Financial audit of national and international hotels

SELECTED REPORTS AND PUBLICATIONS

- Pueyo, A., & Haas, J. (2025). Energy transitions in the Pacific, one island at a time: The case of Efate Island, Vanuatu. *Energy Policy*, 206, 114751. <https://doi.org/10.1016/J.ENPOL.2025.114751>
- Just Transitions Aotearoa Group (2023). "A Guide to Just Transitions for Communities in Aotearoa New Zealand" Motu Economic and Public Policy Research, Wellington. <https://www.mbie.govt.nz/assets/a-guide-to-just-transitions-he-puka-arataki-whakawhitinga-tika.pdf>
- Pueyo, A., Ngoo, G., and Daulinge, E. (2022). The Quest for Scalable Business Models for Mini-Grids in Africa: Implementing the Keymaker Model in Tanzania. IDS Research Report 89.
- Pueyo, A., Bawakyillenuo, S. and Carreras, M. (2020) Energy use and enterprise performance in Ghana: How does gender matter? *European Journal of Development Research*, 32(4),1249-1287
- Pueyo, A., Carreras, M. and Ngoo, G. (2020) Exploring the linkages between energy, gender, and enterprise: Evidence from Tanzania. *World Development* 128, 104840.
- Pueyo, A. and Maestre M. (2019) Linking energy access, gender and poverty: A review of the literature on productive uses of energy. *Energy Research & Social Science* 53, 170-181
- IDS and GIZ (2019). Unlocking the Benefits of Productive Uses of Energy for Women in Ghana, Tanzania and Myanmar. Final Research Report RA6. ENERGIA.
- Pueyo, A. (2019). Promoting Agricultural Competitiveness through Solar Energy. Background note ECOWAS Centre for Renewable Energy and Energy Efficiency. Praia
- Pueyo, A. (2018). What constrains renewable energy investment in Sub-Saharan Africa? A comparison of Kenya and Ghana. *World Development*, 109.
- Pueyo, A., & DeMartino, S. (2018). The impact of solar mini-grids on Kenya's rural enterprises. *Energy for Sustainable Development*, 45.
- Hoka Osiolo, H., Pueyo, A. and Gachanja, J. (2017). The Political Economy of Investment in Renewable Electricity in Kenya. *IDS Bulletin*, 48 (5-6) 119-140
- Pueyo, A., Spratt, S., Bawakyillenuo, S. and Osiolo, H. (2017) Green Investment Diagnostics for Africa: What are the Binding Constraints to Investment in Renewables in Kenya and Ghana. IDS Report 83
- Pueyo, A. and Bawakyillenuo, S. (2017). Overcoming the Constraints to Green Electricity in Africa. *IDS Bulletin*, 48 (5-6) 1-8
- Pueyo, A., Bawakyillenuo, S. and Hoka, H. (2016). Costs and returns of renewable electricity in Kenya and Ghana. *IDS Evidence Report* 190
- Wilcox, M., Waters, L., Wanjiru, H., Pueyo, A., Hanna, R., Palit, D., Sharma, K.R. (2015). *Utilising Electricity Access for Poverty Reduction*. Practical Action Publishing.
- Pueyo, A. Spratt, S. and DeMartino, S. (2014). Maximisation of benefits for the poor of investments in renewable electricity: a policy tool for project planning. *IDS Evidence Report* 86
- Pueyo, A., Gonzalez, F. Dent, C. (2013). The Evidence of Benefits for Poor People of Increased Renewable Electricity Capacity: Literature Review. *IDS Evidence Report* 31
- Pueyo, A. (2013). Enabling frameworks for low-carbon technology transfer to small emerging economies: Analysis of ten case studies in Chile. *Energy Policy* 53, 370–380
- Pueyo, A (2013). Real Time Monitoring Technologies for Pro-Poor Access to Electricity. *IDS Report* 12
- S Kollamthodi, S., Pueyo, A., Gibson, G., Hawkes, A., and Cesbron, S. (2013) Support for the impact assessment of a proposal to address maritime transport greenhouse gas emissions. Report for the European Commission–DG Climate Action: Bruxelles, Belgium.
- Pueyo, A., Mendiluce M., Sanchez, M and Lumbreras, J. (2012). How to improve climate change technology transfer to developing countries: A synthesis of the evidence. *Climate Policy* 12 (3)
- Pueyo, A. and Linares, P. (2012). Renewable Technology Transfer to Developing Countries: One Size Does Not Fit All. *IDS Working Paper* 412.

Pueyo, A., 2012. Climate change technology transfer to developing countries: evidence analysis and policy recommendations. PhD Thesis. School of Industrial Engineering, UPM Madrid.

Pueyo, A., Garcia, R., Mendiluce M. and Morales, D. (2011). The role of technology transfer for the development of a wind component industry in Chile. *Energy Policy* 39 (7) 4274–4283

Carter, C. et al. (2010) Assessment of the degree of carbon leakage in light of an international agreement on climate change. Report for the Department of Energy and Climate Change.

SELECTION OF CONSULTANCIES AND RESEARCH PROJECTS

Evaluation of the Clean Technology Fund (CTF) of the Climate Investment Funds (CIF) (2025). Subcontracted by ITAD, for the World Bank. Energy and GEDSI expert as part of the evaluation team.

Just transitions for Communities in Aotearoa New Zealand (2022). Coordinator and contributor of a guide for communities, prepared through a collaborative process including 17 authors in New Zealand, and consultations with a wide number stakeholders through several dialogues, for MBIE.

Sustainability, Inclusivity and Governance of Mini-Grids in Africa (SIGMA) (2020-2022) Co-investigator. Funded by the Economic and Social Research Council of the UK. Research on the performance of green mini-grids in 4 countries of Sub-Saharan Africa, including large quantitative surveys to assess socio-economic impacts, as well as qualitative research.

Evaluating the Impact of CDC's infrastructure portfolio (2020-2022). Socio-economic impact specialist. Responsible for ensuring that the impact evaluation takes sufficient account of the distributional impacts of CDC's investments in energy, transport and ICT infrastructure. Project funded by CDC and managed by ITAD.

Transforming Energy Access – Powering Opportunities Partnership – Promoting inclusive Productive Uses of Energy from solar mini-grids in Lake Victoria, Tanzania (2020-2021) Principal Investigator. Funded by the Department for International Development (DfID), UK. Action research to promote economic development by the opportunities brought by access to solar energy to upgrade agricultural businesses.

West Africa Clean Energy Corridor (WACEC) (2018-2019). Co-coordinator of ECREEE's program to increase investment in solar, wind and hydro technologies in the ECOWAS region, as well as interconnection across Member States.

Facilitation of a workshop for the preparation of National Action Plans to Implement the ECOWAS Policy of Gender Mainstreaming in Energy Access (2019), held in Dakar, Senegal. Participants included representatives of the Ministry of Energy of the 15 ECOWAS Member States, and specialist consultants that would support them in the preparation of National Action Plans. The workshop was facilitated in both French and English.

ECOWAS Program for Gender Mainstreaming in Energy Access (2018-2019). Coordinator of the National Action Plans for compliance with the ECOWAS Policy for Gender Mainstreaming in Energy Access, and the ECOWAS Directive on Gender Assessments of Energy Projects.

Green Growth Diagnostics for Africa (2014-2017). Principal Investigator funded by EPSCR. Research on the most binding constraints to investments in green energy and the optimal policies to address them in Sub-Saharan Africa. Application of the methodology to Kenya and Ghana.

Impact Assessment of policy options to reduce GHG emissions in the shipping sector (2011-2012). Project Manager, for client the European Commission.

Senior consultant for Energy Innovation (2010-2011) for the World Business Council for Sustainable Development. Coordination of several reports on climate change finance and technology for the Mexican Dialogues, responses to IEA and UNFCCC consultations and thought pieces.

The Risk of Carbon Leakage in the light of an International Agreement on Climate Change (2010). Associate consultant, for the UK Department of Energy and Climate Change, as part of their climate policy advice for border adjustment tariffs.

Assessment of benchmarking alternatives for free allocation in the EU ETS for the upstream oil and gas sector. (2010) Project Manager for UK Department of Energy and Climate Change (DECC)

Development of monitoring reporting and verification guidelines for the aviation sector on the EU ETS (2009). Project Manager, for the European Commission.

OPTIMAE project: energy optimisation in 11 rural regions of Andalucia (2008). Project Manager for the Regional Development Agency of Andalucia, Spain.