

Ambika Markanday

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Nationality: British
Date of Birth: 14/12/1989

Personal Statement

Educational background in environmental sciences (BSc) and economics (MSc, PhD), with work experiences in Cambodia, China and Spain. Currently working for the Basque Centre for Climate Change since 2015, conducting research on economic and behavioural aspects of climate change adaptation in cities. Experience working on multiple European projects (ECONADAPT, RESIN, COACCH).

Education

Universidad del País Vasco (UPV/EHU), Basque Country (Spain) (April. 2016 – June. 2020)

- **Doctor of Philosophy (PhD)** – (Distinction with Cum Laude - Departamento de Fundamentos del Análisis Económico I)
- ▶ **Dissertation:** ‘The economics of climate change adaptation and decision-making in cities: Barriers and opportunities across scales’

University College London (UCL), UK (Sept. 2013 – Sept. 2014)

- **Master of Science (MSc) in Economics and Policy of Energy and the Environment**
- ▶ **Modules Included:** UK, EU and International environmental law, Environmental Economics, Political Economy of Energy Policy, and Energy Technology Innovation
- ▶ **Dissertation:** ‘Governance and Civil Society Influence in China’s Environmental Policy: A Case Study of the Beijing Clean Air Action Plan (2013-2017)’

University of Manchester, UK (Sept. 2008 – June 2011)

- **Bachelor of Science (BSc) in Environmental Science** (2.1. with Honours, awarded June 2011)
- ▶ **Modules Included:** Environmental Issues and Solutions, Global Climate Change, Glacier Processes & the Climate System and Sustainable Development.
- ▶ **Dissertation:** ‘Changes in Carbon Stock with Changes in Land Use: An Assessment of Bamboo Land Cover as a Proxy for Carbon Sequestration in Cambodia’

St. George’s British International School in Rome, Italy (Sept. 2002 – May 2008)

- **International Baccalaureate (IB) diploma** (awarded May 2008)

- ▶ **Modules Included:** Chemistry, Biology and Geography at higher level, and English, Italian and Mathematics at standard level
 - **International General Certificate of Secondary Education (IGCSE) (awarded July 2006)**
 - ▶ **Modules Included:** Science, English, Maths, Geography, Italian, History, French
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Experience

Basque Centre for Climate change (BC3) – Bilbao, Basque Country (Spain)

(September 2015 – current)

- Junior researcher working on topics related to economic and behavioural aspects of climate change adaptation. Currently working on the European H2020 project COACCH (co-designing the assessment of climate change costs) and the Gobernadapt project funded by the Basque Cooperation Agency.

Independent Consultancy Work for the International Renewable Energy Agency (IRENA)

(July 2015 – August 2015)

- Research assistant to the former Scientific Director of the Basque Centre for Climate Change (BC3), Prof. Anil Markandya. Conducted data collection, calculation and analysis of country-level greenhouse gas emissions from various energy fuel types for current and projected emissions trends.

Basque Centre for Climate Change (BC3) - Bilbao, Basque Country (Spain)

(April 2015 – July 2015)

- Guest researcher working on the European H2020 ECONADAPT (EC FP7) research project. Conducted data collection, analysis, and research centred around testing the widespread viability of an economic tool for promoting natural land conservation in land-use planning decisions across European regions.

IBEST Education Institute - Beijing, China

(March 2013 – August 2013)

- Developed curriculum (academic teaching plans, exercise books, audio books) for the IBEST English institute, for children aged 2-12.

International Network for Bamboo and Rattan (INBAR) - Beijing, China

(Oct. 2011 – Sept. 2012)

- Research Intern working on climate change and economic research topics for the Livelihoods and Economic Development Programme. Conducted scientific and economic analysis of tropical bamboo plantations and their application for climate change mitigation and carbon credits.

Groupe Énergies Renouvelables, Environnement et Solidarité – Phnom Penh, Cambodia

(July 2010 – Sept. 2010)

- Communications Intern for the Climate Change Unit, assisting in the development and editing of organisational proposals, press releases, and various other publications and online material centred around pro-poor carbon technologies, carbon auditing and energy efficient solution.

Research projects

- Gobernadapt (funded by the Basque Cooperation Agency) - (Dec. 2019 – *ongoing*)
- European H2020 COACCH project - (Dec. 2017 – *ongoing*)
- European H2020 RESIN project - (May 2015 – Oct. 2018)
- European H2020 ECONADAPT project – (Oct. 2013 – Sept. 2016)

Publications

- Markanday, A., Galarraga, I. and Markandya, A. (2019). A critical review of cost-benefit analysis for climate change adaptation in cities. *Climate Change Economics*, 10 (04), 1-31
- Markanday, A. Galarraga, I., Chiabai, A., Sainz de Murieta, E., Lliso, B. and Markandya, A. (2019). Determining discount rates for the evaluation of natural assets in land-use planning: An application of the Equivalency Principle. *Journal of Cleaner Production*, 230, 672-684
- Markanday, A., Markandya, A., Sainz de Murieta, I. and Galarraga, I. (2020). Accounting for employment effects, equity and risk in cost-benefit analysis: An application to an adaptation project. *Journal of Benefit-Cost Analysis*, Forthcoming.
- Markanday, A., Kallbekken, S. and Galarraga, I. (2020). Impact framing and experience for determining acceptable levels of climate change risk: A lab experiment. BC3 Working Paper Series 2020-02. Basque Centre for Climate Change (BC3). Leioa, Spain

Skills

Computer Proficiency

- Experienced user of both Windows and Mac operating systems. Skilled user of Microsoft Office Programs, particularly Microsoft Excel, PowerPoint, and Word.
- Working knowledge of R statistical programming language

Languages

- English (native), Spanish (moderate), Italian (moderate), Mandarin (basic)

References available upon request