

Ruth Dittrich

Assistant Professor in Economics, dittrich@up.edu
Dr. Robert B. Pamplin Jr. School of Business Administration,
University of Portland, 5000 N. Willamette Blvd., Portland, OR 97203

EDUCATION

University of Edinburgh, UK

Ph.D. in climate change adaptation, 2016:

'Bottom-up and top-down decision-making for climate change adaptation A case-study on flooding.'

University of Birmingham, UK

MSc Economic Policy, *with Distinction*, 2010

University of Erfurt, Germany

BA State Sciences. Major in Economics, Politics and Sociology, additional field: Law, 2009.

Institut d'Etudes Politiques, Sciences-Po Lyon, France

Economics, Politics, Sociology, Law, 2008

University of Sheffield, UK

Economics, Politics and Sociology, 2007

ACADEMIC APPOINTMENTS

University of Portland, Oregon, United States

Assistant Professor in Economics, 2017 - present

Undergraduate Courses Taught:

Microeconomics, Macroeconomics, Decision Modeling, Climate Change Economics

University of Portland, Oregon, United States

Visiting Assistant Professor in Economics, 2016 – 2017

University of Edinburgh, UK

Adjunct, 2014-2016

Postgraduate Level Taught:

Environmental and Energy Economics

Instructor, 2013-2015

Undergraduate Courses Taught:

Microeconomics

Macroeconomics

PROFESSIONAL EXPERIENCE

Paul Watkiss Associates, Oxford, UK

Freelance Consultant. Analysis of the economics of climate change impacts and adaptations in various countries with a focus on Sub-Saharan Africa, 2014-2016.

ClimateXchange Scotland, UK

Consultant at Policy-driven research projects to support local councils in Scotland with climate change adaptation strategies, 2015-2016.

Europe Research Center of Harvard Business School, Paris, France

Research Assistant. Research for and writing of case studies used in MBA and Executive Education classes at Harvard Business School. Coverage of European management and business topics including strategy, CSR, knowledge management, corporate accountability and finance, 2010-2011

MAJOR RESEARCH INTERESTS

Environmental economics, climate change adaptation, (robust) decision-making tools, non-market valuation

INTELLECTUAL CONTRIBUTIONS

Peer Reviewed Journals:

Dittrich, R., Ball, T., Butler, A., Wreford, A., Moran, D. (2019) Making real options analysis more accessible for climate change adaptation. An application to afforestation as a flood management measure in the Scottish Borders. *Journal of Environmental Management* 245, pp. 338-347. <https://doi.org/10.1016/j.jenvman.2019.05.077>

Dittrich, R., Ball, T. Wreford, A., Moran, D., Spray, Chris J. (2018) A cost-benefit analysis of afforestation as a climate change adaptation measures to reduce flood risk. *Journal of Flood Risk Management*: <https://doi.org/10.1111/jfr3.12482>

Dittrich, R., Wreford, A., Topp, C.F.E., Eory, V. and Moran, D. (2017) A guide to climate change adaptation in the livestock sector: adaptation options and the role of robust decision-making tools for their economic appraisal. *Regional Environmental Change*: doi:10.1007/s10113-017-1134-4

Dittrich, R., Wreford, A., Butler, A., Moran, D. (2016) The impact of flood action groups on the uptake of flood management measures. *Climatic Change*. doi:10.1007/s10584-016-1752-8

Dittrich, R., Wreford, A., Moran, D. (2016) Adaptation to climate change. Are robust approaches the way forward? *Ecological Economics* 122, pp. 79-89. doi:10.1007/s10584-016-1752-8

Academic/Professional Meeting Proceedings:

Wreford, A., Dittrich, R. (2015) Weather-related costs to Aberdeenshire council. ClimatexChange Scotland.

Wreford, A. and Dittrich, R. (2014) *Animal Change Project Report for the European Commission*.

Wreford, A. and Dittrich, R. (2013) Adaptation economics. *Policy Brief*. ClimateXChange Scotland.

Academic/Professional Meeting Presentations:

Southern Economic Association Conference, Washington D.C., United States

Oral presentation on ‘Making real options analysis more accessible for climate change adaptation. An application to afforestation as a flood management measure’, 2018

European Conference of Climate Change Adaptation, Glasgow, Scotland

Oral presentation on ‘Cost-benefit analysis of afforestation as a flood management measure under climate change’, 2017

European Conference of Climate Change Adaptation, Copenhagen, Denmark

Oral presentation on 'The impact of flood action groups on the uptake of flood risk management measures', 2015

Fondazione Eni Enrico Mattei (FEEM), Venice, Italy

Summer School "The Economics of Climate Change Adaptation", 2014

Livestock, Climate Change and Food Security Conference, Madrid, Spain

Poster presentation on 'Alternative techniques to appraise adaptation options in the livestock sector: are robust methods the way forward?', 2014

Circle Conference on Climate Change Adaptation, Lisbon, Portugal

Oral presentation on 'Alternative techniques to appraise adaptation options: are robust methods the way forward?', 2014

Influencing Policy on Climate Change conference, London, UK

Oral presentation on 'Robust adaptation to climate change with real option analysis, 2014

PROFESSIONAL DEVELOPMENT

Workshop in Environmental Economics and Data Science, Portland, Oregon

Using machine learning and remote sensing for economic analysis, 2019

Flood risk workshop, University of Boulder, Colorado, United States

Identification of requirements for mapping global flood risk and start partnerships, 2018

Course on Applied Econometrics, University of Southern Denmark, Esbjerg, Denmark

Advanced techniques of statistical data analysis in STATA, 2013

Course on Cost-Benefit Analysis, University of Molde, Norway

State of the art approaches of cost-benefit analysis, 2013

Software skills

Matlab, Stata, R and Eviews, fully competent
ArcGIS, basic competence.

Language skills

German, Native speaker
English, Fluent, used as working language
French, Very good working knowledge
Spanish, Basic working knowledge

AWARDS, FELLOWSHIPS AND HONORS

Alliance/Katherine Bisbee II Fund Grant

After the Eagle Creek Fire: Experiencing the Multnomah Falls in a Burnt Landscape, in cooperation with the Department of Engineering, Funding amount \$10,000, 2019

USDA Forest Service Research Award

The economic cost of the Eagle Creek Fire of 2017, Funding amount \$50,000, 2018-2020

Recipient of the Provost's Initiative for Undergraduate Research

Salmon recovery efforts in the Willamette River and the John Day River Sub-Basins in Oregon. Will they withstand climate change?, in cooperation with Clay Bozeman, Funding amount \$4500, Spring and Summer 2018