Tristan **Berchoux**



21 February 1990



Southampton, United Kingdom

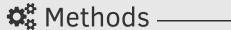


tristan.berchoux@gmail.com



🕰 About me -

My principal research interests lie in the field of spatial planning and sustainable rural development. I am a research fellow in economic geography investigating the impact of climate change on landscapes and livelihoods under different policy scenarios in the Mekong Delta, using the latest econometric modelling and spatial analysis techniques. I have a particular expertise in quantitative modelling applied to rural territories from a social, environmental and economic perspective.



Statistics: multilevel modelling, generalised linear models, logistic regression, time-series analysis, factor analysis, cluster analysis, econometric modelling of land-use change

Spatial analysis: cost-distance analysis, suitability analysis, geostatistics, spatial associations, autocorrelation, landscape metrics

Qualitative: political economy analysis, agrarian systems diagnosis, participatory rural appraisals



Programming: R, Matlab

Statistics: MLWiN, SPSS, CLUMondo GIS: QGIS, ArcGIS, TerrSet, MCK Typesetting: Office, Markdown, LATEX Bibliography management: Mendeley Others: InDesign, Gimp, PowToon

🔼 Languages -

(Native)

English • • • • • (C2)

Spanish ••• (B1)

• • • • • (A2) Greek

Research experience

Since 2017 Postdoctoral Research Fellow ♥ UK

University of Southampton Project "Building Resilient Agricultural Systems for the Mekong Delta"

- Spatial analysis of economic infrastructures, natural landscapes and livelihoods to highlight distinctive patterns of socio-ecological systems
- Developed a spatially-explicit model to integrate land systems analysis, economic modelling with governmental development scenarios to foresee future landscape and livelihood changes under different scenarios of climate change
- Policy analysis and participatory workshops for sustainable development landscape planning to inform policy

2013 8 months

Research Associate ? Tanzania & Uganda

GRET

Role of wholesale markets to improve small-scale farmers' livelihoods and their integration with territorial economic development

- Trend analysis of food prices, access to markets and value-chain diagnosis
- Knowledge transfer and advocacy to the parliament and funding bodies

2011-2012 **Research Associate ♥** Vietnam

Role of microfinance for rural development through the analysis of the livelihood trajectories of rural communities

- · Management and implementation of the microfinance component of a research-led project for local economic development
- · Provided training, coaching and workshop facilitation for field staff and management staff of microfinance institutions
- Knowledge transfer to the Government and to academic partners

Teaching experience

2016-2018

Lecturer in Applied Social Sciences ♥ UK University of Winchester Designed and delivered ten undergraduate sessions for the sociology and economics module "Understanding the Development of Urban and Rural Societies" and the geography module "Environment and Development"

- Rurality & development: local, global issues, management of the commons
- Rural economics, territorial and landscape transitions
- Understanding rural societies: approaches and frameworks
- · Working towards sustainable rural societies and global rural futures
- · Research with impact in social sciences

2014-2017

Teaching Assistant in Geography ♀ UK University of Southampton Seminars and supervision of practicals and research projects for undergraduate and postgraduate students

- Advanced Geographical Information Systems BSc Geography
- Skills and Project Work MSc Geography & MSc Economics
- Indicators and frameworks in sustainability science MSc Sustainability
- Integrated modelling processes for sustainability MSc Sustainability

2009-2013

Teaching to students with learning difficulties ♀ France **ESSOR** One hour each week doing remedial teaching to high-school students with learning difficulties as an educational support

Development cooperation experience

2017 5 months Knowledge Transfer Officer ♀ France & Morocco

- Developed a strategy for the knowledge transfer of social sciences for development, which was presented at Innovatives SHS 2017 in Marseille
 - Supported the creation of a platform of innovations to answer the SDGs
- Protection and valorisation of Intellectual Property from the institute's research teams, including the creation of a scientific board game
- Established public-private partnerships in multicultural environments

2012 6 months

Scientific advisor for the implementation of projects on food security and sustainable economic development, management of the AME department (10 people), supervision of grant proposals and management of a WFP project

Tristan **Berchoux**



2017 - Most Innovative Postgraduate Research Project ESRC South Coast DTP

2017 - Best Early Career Researchers Presentation EGU Conference 2017

2016 - Best Interdisciplinary Research Presentation Tropmet Conference 2016

m Grants ——

2018 - Competitive funding to participate in the Socio-Spatial Dynamics Summer College

2017 - Research and innovation policy scheme to work at IRD ESRC

2016 - Research and travel funds within the EU-India Research and Innovation Partnership EuropAid

2015 - Enhanced student training fund to participate in GeoStat ESRC

2015 - Research grant for a project with Xiamen University about environmental behaviours

2014 - Advanced Quantitative Methods (AQM) enhanced stipend ESRC

2014 - Studentship for interdisciplinary study under the Energy, Environment and Resilience pathway ESRC & CARIAA

2012 - Grant to conduct the post-harvest national food security assessment of rural households when working as AME Manager for ACTED WFP



Ongoing

2014-2018 Ph.D. in Economic and Social Geography University of Southampton, UK

- ESRC Scholarship for Advanced Quantitative Methods
- Senior Research Assistant for the research project CARIAA
- Thesis: The determinants of precarious livelihoods in rural India
- Synopsis: After characterising the spatial associations between two levels of capitals with agricultural livelihood activities in a multilevel modelling framework, I investigated how place influences the climatic drivers of livelihood precariousness.

2009-2013 Ingénieur Agronome in Rural Development Montpellier SupAgro, France

- Specialisation in agricultural economics and public policies
- Thesis: Marketing systems in Tanzania, Rwanda and Uganda: the role of bulk-markets to reduce market imperfections and improve small-scale farmers' bargaining power

MOOC Evaloration of traditional macroscopomic principles and tools

2007-2009 Classes Préparatoires aux Grandes Écoles

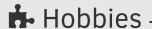
Lycée du Parc, France
Pluridisciplinary course: science (maths, geography, biology, chemistry, physics) and humanities (philosophy, literature, languages)

Macroeconomics for a Sustainable Planet

Professional development

	MOOC - Exploration of traditional macroeconomic principles and tools updated for the age of sustainable development
2018	Energetic and ecological transition in Southern countries MOOC – Climate change and economic development in the South
2018	Landscape Ecology ETH Zürich MOOC – Theory, methods and tools to understand the landscapes we live in and to solve landscape-related environmental problems
2018	Introduction to Econometrics Université Catholique de Louvain MOOC – Construction of econometric models based on case studies from finance and economics
2018	Socio-Spatial Dynamics Summer College Regional Studies Association Novel Approaches to Sustainable and Inclusive Development
2018	Sustainable Food Systems: A Mediterranean Perspective UNSDSN MOOC - Challenges and opportunities of the agricultural sector in the Mediterranean basin
2016	Academic Practice Module 1 - Introduction to learning design: The practice of teaching Module 2 - Developing learning design: Supporting learning
2015	GeoStat Summer School Statistical analysis of spatial and spatio-temporal data in R and Open Source GIS
2015	Hierarchical modelling of spatial and temporal data Statistical inference methods appropriate for analysing various types of spatially point referenced data
2015	Statistical programming in R University of Southampton Implementation of General Linear Model and Mixed Linear Models
2015	Disasters and Ecosystems: Resilience in a changing climate MOOC - Environment, disasters and disaster risk reduction

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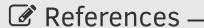
Violin (22 years) Viola (13 years) Guitar (15 years)



Handball (12 years) Cycling (9 years) Snowboard (14 years)



Photography (10 years) Scouting (9 years)



➤ Prof. Tim Hall
Employer (University of Winchester)

■ Prof. Betty Wampfler Supervisor (Montpellier SupAgro)

☑ Dr. Guillaume Duteurtre Employer (CIRAD)

Peer-reviewed publications

Global change effects on livelihoods in the Mekong

Selected conference papers

perspective

T. Berchoux

2018

	T. Berchoux, C.W. Hutton, C.T. Hill, S.E. Darby
2018	Using landscape typologies to characterise the determinants of precarious rural livelihoods AAG 2018, USA T. Berchoux, G.R. Watmough, C.W. Hutton, P.M. Atkinson, S.E. Darby
2018	Using landscape typologies and census data to unbox livelihood systems: a comprehensive spatial approach for rural planning Expert Conference on Socio-Ecological Systems FAO 2018, Italy <i>T. Berchoux</i> , C.W. Hutton, C.T. Hill, S.E. Darby
2017	Livelihood profiling and sensitivity of livelihood strategies to land cover dynamics and agricultural variability EGU 2017, Austria <i>T. Berchoux</i> , C.W. Hutton, F.A. Johnson, G.R. Watmough, P.M. Atkinson
2016	Associations between climate and agricultural production and mitigating role of livelihood capitals Tropmet 2017, India T. Berchoux, C.W. Hutton, G.R. Watmough, F.A. Johnson, P.M. Atkinson
2016	Sensitivity of livelihood strategies to flood risk and livelihood capitals in the coastal plains of Odisha, India RGS-IBG 2016, UK <i>T. Berchoux</i> , C.W. Hutton, G.R. Watmough, F.A. Johnson, P.M. Atkinson
2016	Adaptation to climate variability in rural communities: a livelihood

Climate Change: Society, Governance & Economics, UK



RSA 2018, Italy