

# Tristan Berchoux

-  21 February 1990
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## About me

My principal research interests lie in the field of spatial planning and sustainable development. I am a lecturer in rural geography looking at the drivers of rural unemployment, the role agricultural policies play in shaping territorial development, and the impact of climate change on landscapes and livelihoods under different policy scenarios, using participatory approaches, econometric modelling and spatial analysis techniques.

## Methods

**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








## IT Skills

**Programming:** R, Matlab  
**Statistics:** MLWiN, SPSS, CLUMondo  
**GIS:** QGIS, ArcGIS, TerrSet, MCK  
**Typesetting:** Office, Markdown,  $\LaTeX$   
**Bibliography management:** Mendeley  
**Others:** InDesign, Gimp, PowToon

## Languages

**French** ●●●●●● (Native)  
**English** ●●●●●● (C2)  
**Spanish** ●●●●●● (B2)  
**Greek** ●●●●●● (A2)

## Professional experience

- Since 2019 **Lecturer in rural geography**  France CIHEAM-IAMM  UMR TETIS  
Co-coordinator of Master 2 in Projects and Public Policies Engineering
- Teaching: territorial diagnosis and GIS, sustainable development in the Mediterranean, international and national agricultural policies
  - Research: land systems, definition of rural areas, determinants of rural livelihoods, rural development policies
- 2017-2019 **Postdoctoral Research Fellow**  UK University of Southampton
- 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
- 2017 *5 months* **Knowledge Transfer Officer**  France & Morocco IRD
- 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
- 2016-2018 **Lecturer in Applied Social Sciences**  UK University of Winchester
- Understanding the Development of Rural Societies - *BA Sociology*
  - Environment and Development - *BSc Geography*
- 2014-2017 **Teaching Assistant in Geography**  UK University of Southampton
- 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*
- 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
- 2012 *6 months* **Appraisal, Monitoring and Evaluation Manager**  Chad ACTED
- 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
- 2011-2012 **Research Associate**  Vietnam CIRAD
- 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

## Education

- 2014-2018 **Ph.D. in Geography** University of Southampton, UK
- Thesis: *The determinants of precarious livelihoods in rural India*
- 2009-2013 **Ingénieur Agronome in Rural Development** Montpellier SupAgro, France
- Thesis: *Agricultural markets in Tanzania, Rwanda and Uganda: the role of bulk-markets to reduce market imperfections and improve small-scale farmers' bargaining power*

## Grants

**2020** - Innovative education for sustainable development in peripheral rural areas Erasmus+

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

**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 ESRC

**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

## Hobbies



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



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



Photography (10 years)  
Scouting (9 years)

## Publications

- 2021** **Impact of dams and climate change on suspended sediment flux to the Mekong delta** Science of The Total Environment  
G. Bussi, S.E. Darby, P.G. Whitehead, L. Jin, S.J. Dadson, H.E. Voepel, G. Vasilopoulos, C.R. Hackney, C.W. Hutton, *T. Berchoux*, D.R. Parsons, A. Nicholas
- 2020** **Collective influence of household and community capitals on agricultural employment as a measure of rural poverty in the Mahanadi Delta, India** Ambio  
*T. Berchoux*, G.R. Watmough, F.A. Johnson, C.W. Hutton, P.M. Atkinson
- 2020** **Framework providing definitions, review and operational typology of rural areas in Europe** SHERPA Deliverable  
S. Féret, *T. Berchoux*, M. Requier, T. Abdelhakim
- 2019** **Climate extremes and drivers of livelihood precariousness across Indian rural landscapes** Landscape and Urban Planning  
*T. Berchoux*, G.R. Watmough, C.W. Hutton, P.M. Atkinson
- 2019** **Spatial associations between household and community livelihood capitals in rural territories** Applied Geography  
*T. Berchoux*, C.W. Hutton
- 2019** **China-to-UK student migration and pro-environmental behaviour change: a social practice perspective** Sociological Research Online  
R. Tyers, *T. Berchoux*, K. Xiang, X. Yi Yao

## Past and current projects

- 2019-2023** **Innovative education for sustainable development in peripheral rural areas (RUR'Up)** Erasmus+ IO Leader - Support cooperation in the field of innovative interventions for the sustainable development of mountainous and other marginalized rural areas, which are often described as "peripheral areas".
- 2019-2023** **Sustainable Hub to Engage into Rural Policies with Actors (SHERPA) WP Leader** - Gather relevant knowledge and opinions that contribute to the formulation of recommendations for future policies relevant to EU rural areas. It will create a science-society-policy interface which provides a hub for knowledge and policy.
- 2017-2019** **Building Resilient Agricultural Systems: Sustainable Livelihoods in Mega Deltas Under Environmental Change (BRAGS)** BBSRC Research Fellow - Delivering new insight into the trade-offs between flooding, sediment and nutrient deposition, agricultural systems and associated livelihood strategies in the Vietnamese Mekong Delta.
- 2015-2016** **Green norms across borders: migration and pro-environmental behaviour** ESRC Co-Investigator - Behaviours and attitudes which relate to environmental impacts, such as energy use, transport choices, and waste disposal, and specifically at Chinese students who come to study in the UK.
- 2014-2018** **Deltas, vulnerability and Climate Change: Migration and Adaptation (DECCMA)** DfID & IDRC Research Associate - Effectiveness of adaptation options in deltas, assess migration as an adaptation in deltaic environments under a changing climate, and deliver policy support to create the conditions for sustainable gender-sensitive adaptation.