

# Mihai TIVADAR

Affiliation: INRAE - LESSEM, GRENOBLE

2, Rue de la Papeterie, BP 76, 38402, St-Martin-d'Hères Cedex, Tel. 0(033)4 76 76 28 43

[mihai.tivadar@inrae.fr](mailto:mihai.tivadar@inrae.fr)

**Research field:** spatial economics

## Topics:

- Residential choice and spatial structures
- Social segregation and environmental inequalities
- Energy and forest issues
- Transportation and environmental impacts

## Doctoral Thesis:

“Urban Social Structures and ecological city”, directed by M. Hubert JAYET, 08/12/2006, (first-class honours honourable with jury’s felicitations)

## Publications:

M. Tivadar (2019): OasisR: an R Package to Bring Some Order in the World of Segregation Measurement, Journal of Statistical Software

M. Tivadar, H. Jayet (2019): Endogenous amenities and the spatial structure of cities, Regional Science and Urban Economics

Y. Schaeffer, M. Tivadar (2019): Measuring environmental inequalities: insights from the residential segregation literature, Ecological Economics

M. Tivadar, O. Heddebaut (2017): A Commuting Model for the Analysis of the Impacts of a Tramway Project: Application to the Lens Area, Transportation Planning and Technology

J-M. Callois, M. Tivadar, B. Sion (2017): On the feasibility and relevance of community-based energy autonomy: physical, social and institutional factors, Review of Agricultural, Food and Environmental Studies

Y. Schaeffer, D. Cremer-Schulte, C. Tartiu, M. Tivadar (2016): Natural amenity-driven segregation: Evidence from location choices in French metropolitan areas, Ecological Economics, 130, 37-52

M. Tivadar, Y. Schaeffer, A. Torre, F. Bray (2014): "OASIS – un Outil d’Analyse de la Ségrégation et des Inégalités Spatiales", Cybergeo : European Journal of Geography, GeOpenMod

M. Tivadar (2012): Structures Sociales Urbaines et Ville Ecologique, Editions Universitaire Européennes

M. Tivadar (2010): It is better to live in a US or a European City?, Regional Science and Urban Economics 40, 221–227

### **Conferences with proceedings:**

M. Tivadar (2018): Le comportement des propriétaires forestiers privés français: premiers résultats des enquêtes nationales Résofop 2011-2015, Séminaire Ecofor, Paris, January 2018

M. Tivadar, Y. Schaeffer (2017): Measuring environmental inequality: insights from the segregation literature, European Society for Ecological Economics, Budapest, June 2017

D. Cremer-Schulte, C. Tartiu, M. Tivadar, Y. Schaeffer (2015) - Unequal access to natural amenities and residential segregation: a statistical and econometrical analysis on French coastal and mountainous regions, 8èmes Journées de Recherches en Sciences Sociales, December 2015, Grenoble

J-M Callois, B. Sion, M. Tivadar (2015): Quel degré d'autonomie énergétique pour les territoires de France métropolitaine ? D'une approche spatiale à une approche territoriale, Journées de Recherches en Sciences Sociales, December 2015, Nancy, France

M. Tivadar (2013) : Analyse à moyen terme de l'impact économique et écologique de la ligne de tramway Lens-Liévin – Hénin-Beaumont, Colloque de l'ASRDLF, July 2013, Mons, Belgique

M. Tivadar, Y. Schaeffer, A. Torre, F. Bray (2013): OASIS Un outil d'analyse de la ségrégation et des inégalités spatiales, Colloque de l'ASRDLF, July 2013 Mons, Belgique

M. Tivadar (2012): Flow modeling for urban development, GIS Mu Conference, Lille, June, 2012 – poster session

M. Tivadar, N. Bertrand, M. Rambonilaza (2011): Residential demand of aged households, Congress of the European Regional Science Association (ERSA), August 2011, Barcelone

M. Tivadar (2011): Commuting Modelling and Urban Transportation Policies: Application for Lens Area, Congress of the European Regional Science Association (ERSA), August 2011, Barcelone

M. Tivadar (2011): Commuting Modelling in Lens Area, Ecomod Conference, August 2011, Ponta Delgada, Açores

M. Tivadar, M. Rambounilaza (2009) : Impact du vieillissement de la population sur la localisation des ménages, Colloque de l'ASRDLF, July 2009, Clermont-Ferrand

M. Tivadar (2008): Life Cycle and Urban Localisation, Congress of the European Regional Science Association (ERSA), August 2008, Liverpool

M. Tivadar (2008): Demographic changes, Local Policies and Localisation, Congress of the European Regional Science Association (ERSA), August 2008

N. Bertrand., M. Rambounilaza M. Tivadar (2008): Residential demand in urban-rural relationships : modelling in PLUREL IP. Impact Assessment of Land Use Changes (IALUC) Conference. April 2008, Berlin

M. Tivadar (2007): Where it is better to live: in a European or American City?, EcoMod International Conference on Regional and Urban Modelling, June 2007, Bruxelles

M. Tivadar, H Jayet (2007): Endogenous Amenities and the Spatial Structure of Cities, EcoMod International Conference on Regional and Urban Modelling, June 2007, Bruxelles

M. Tivadar (2006): Where it is better to live: in a European or American City? - First Draft, Congress of the European Regional Science Association (ERSA), September 2006, Volos

M. Tivadar, H Jayet (2006): Endogenous Amenities and the Spatial Structure of Cities - First Draft, Congress of the European Regional Science Association (ERSA), September 2006, Volos

### **Scientific reports:**

M. Tivadar (2013) : Analyse à moyen terme de l'impact économique et écologique de la ligne de Tramway LLHB", Rapport du projet SUIM - Services Urbains Innovants pour une nouvelle culture de la Mobilité dans un contexte de développement durable

M. Tivadar (2011): Plurel Project - Housing Response Function: The impact of demographic changes on housing demand and urban-periurban-rural relationships, with application on Département de l'Hérault (France)

N. Bertrand, T. Rambonilaza, M. Tivadar, S. Lyser (2010): Response functions for housing demand, Official Report, PLUREL Project

### **Research tools and products :**

OasisR (R package): M. Tivadar (2017). OasisR: Outright Tool for the Analysis of Spatial Inequalities and Segregation. R package version 3.0.0, URL <https://cran.r-project.org/web/packages/>

Oasis (2013, web application) by M. Tivadar, Y. Schaeffer, A. Torre, F. Bray <http://oasis.irstea.fr/>

WikiAlps (2014, web platform and database) : participation to the conception and the content of WikiAlps online database <http://www.wikialps.eu/>

### **PhD supervision**

Ghenima Amer - Analyse des conditions de sécurisation de l'approvisionnement en bois pour les projets d'unités industrielles de production de bioalcool (2017 - )

Dominik Clemens Cremer-Schulte - On the links between natural amenities, residential processes and urban planning : lessons from an Alpine urban region (Irstea, 2013-2016)

### **Professional experience**

2010 –: researcher at Irstea/Inrae Grenoble, France

2009-2010: SUIM Project: Innovative Urban Services for a new culture of mobility in a context of sustainable development, Université de Lille 1

2007-2009: PLUREL Project (Peri-urban Land Use Relationships - Strategies and Sustainability Assessment Tools for Urban-Rural Linkages), within the European Commission's sixth framework program, Cemagref Grenoble

### **Teaching:**

2018 – 2019: Statistics applied in Geography, IUGA, Grenoble

2014-2015: Survey methods in tourism, IEP Grenoble

2012-2014: Survey methods in transports, Université Lyon 2

2009-2010: Microeconomics, Market Theories, Imperfect Competition, Economic Modelling (Université de Lille 2), Introduction to Economics (ESAM Paris)

2006-2007: Data Analysis, Market et Competition Theories, Economic Modelling, Labor Economics, Imperfect Competition and Enterprise Strategies (Université de Lille 2)

2002-2006: Advanced microeconomics, Industrial Economics (Université de Lille 1)

### **Education:**

2001-2002: Master - Espace Européen Economique et Social, Université de Lille 1, France (first-class honours, class major)

1999-2001: Master - “Scoala de Inalte Studii Europene Comparate”, Universitatea de Vest, Timisoara, Romania (first-class honours)

1995-1999: Faculty of Economics, Universitatea de Vest, Timisoara, Romania (first-class honours)

### **Scholarships:**

2007: Selected for the ERSA-PREPARE Summer School within Marie Curie Program, Bratislava

2002-2004: PhD. Scholarship by ADEME (Agence de l'Environnement et de la Maîtrise de l'Energie)

2001: Erasmus-Socrates Scholarship

1995-1999: Studies scholarship Universitatea de Vest, Timisoara