

# Spatial Economics Newsletter

## September 2017



### New blogs on [spatialeconomics.nl](http://spatialeconomics.nl)



[Air cargo: Identifying 'white spots' and 'grey spots'](#)



[Waterstaatskaart: Historical data source for the Dutch water system](#)



[Amsterdam Metropolitan Region: strong and resilient](#)

## News from the Department

### **Eveline van Leeuwen appointed full professor and head of the Urban Economics group at Wageningen University**

15 years ago, Eveline started out as a researcher at our department. She worked on EU projects, and, at the same time, worked on her PhD thesis, which she finished in 2008. Although a consultancy company was keen on hiring her, late Piet Rietveld luckily persuaded her to stay at our department. However, the time has come for a new challenge: on October 1, Eveline will become full professor and head of the new Urban Economics group at Wageningen University. She and her group will work on the economics of urban-rural interactions, as well as on healthy and sustainable lifestyles in urban environments. We congratulate Eveline on the new job, and wish her all the best!



[More news >](#)

\*\*\* Please note that as of per September 1, FEWEB changed its name to the *School of Business and Economics*. Visit the [SBE website](#) and [VUnet](#) for news items on our name change, or do watch the short [movie](#). Please do not forget to change your communication means. You have received an email on this topic by Jessica Brouwer (Head of Communications) on August, 25.

## Upcoming Events

### PhD Defenses

11 December, 13:45, Aula

Or Levkovich: 'Economic Evaluation of Urban and Spatial Policies'

(Co-)Promotors: Jan Rouwendal and Erik Verhoef

### Eureka Seminars

26 October, 12:15-13:15, room 10A-36

Gerben de Jong & Ting Zhou

16 November, 12:15-13:15, room 0H-53 (Bellevue)

Joris Klingen & Erik Ansink

21 December, 12:15-13:15, 10A-36

Yann Delaprez & Paul Koster

Titles: TBA

More information: [G.C.van.der.Meijden@vu.nl](mailto:G.C.van.der.Meijden@vu.nl)

### Spatial Economics Seminar at the Tinbergen Institute

28 September, 12:15-13:15. Tinbergen Institute Amsterdam, room 1.01

Gabriel Pons Rotger (Danish National Centre for Social Research):

Neighbourhood Effects on Youth Crime: Natural Experimental Evidence

19 October, 12:15-13:15. Tinbergen Institute Amsterdam, room 1.01

Costas Arlokakis (Yale University, New Haven)

23 November, 12:15-13:15. Tinbergen Institute Amsterdam, room 1.01

Jon Bannister (Manchester Metropolitan University)

30 November, 12:15-13:15. Tinbergen Institute Amsterdam, room 1.01

Beata Javorcik (University of Oxford, UK)

14 December, 12:15-13:15. Tinbergen Institute Amsterdam, room 1.01

Holger Sieg (University of Pennsylvania).

Titles, if not given: TBA

More information: [S.Poelhekke@vu.nl](mailto:S.Poelhekke@vu.nl)

### Congresses

58th ERSA Congress "Places for People: Innovative, Inclusive and Liveable Regions", 28- 31

August 2018, Cork, Ireland. Abstract and paper submissions from 11 December, 2017 to 28

February, 2018.

12th World Congress of the RSAI on "Spatial Systems: Social Integration, Regional Development and Sustainability", May 29 to June 1, 2018, Goa, India. Deadline for paper submission: 30

November, 2017.

6th World Congress of Environmental and Resource Economists, 25-29 June, 2018, Gothenborg, Sweden. Paper submission from 15 November, 2017 to 31 January, 2018.

## Staff

### Welcome...



**Maaïke van Aalst** started working as a PhD candidate within the NWO project 'Adaptation Pathways for socially inclusive development of urbanizing deltas' under supervision of Henri de Groot and Eric Koomen. Her research focuses on developing a framework for 'social inclusiveness' in relation to water management (strategies), making use of the adaptation pathways approach, and with a specific focus on the Viet Nam Mekong delta. She also remains affiliated with Deltares, where she was involved in several Delta Plan projects and other related studies. She plans to introduce the experiences from real-life cases at Deltares in her PhD research.



**Hyen Tran** (originally from Viet Nam) is a visiting researcher from the University of Luxembourg. She obtained her master's degree in Econometrics and Economic Theory at the Toulouse School of Economics. During her stay in Amsterdam, she will be supervised by Jos van Ommeren. Hyen's research focuses on endogenous city structures with the presence of environmental amenities.



**G. Cornelis ('Kees') van Kooten** is a professor of Economics and Canada Research Chair in Environmental Studies and Climate in the Department of Economics at the University of Victoria in Canada. He does research in agricultural and forestry economics, and, most recently, on renewable energy and electricity grids. He will be a visitor at the VU for five weeks and would love to chat with researchers about wind, solar and biomass energy, among other topics. Details of his research are found at [www.vkooten.net](http://www.vkooten.net).



**Adrian Nerja** is a visiting PhD student from the University of Valencia, Spain. He will stay here until December, under supervision of Erik Verhoef. His thesis deals with airport competition and concession revenue sharing contracts. He is also interested in spatial econometrics to analyze the spatial relationship among airports. You can contact him at [adrian.nerja@uv.es](mailto:adrian.nerja@uv.es).



**Xiaojuan Yu** is a PhD student at the Huazhong University of Science & Technology, Wuhan, China. Her research focuses on public-private partnership transit technology investment. She will be staying at our department as a visiting researcher for one year, under the supervision of Erik Verhoef and Vincent van den Berg.



**Janique Kroese** is a PhD candidate, supervised by Wim Bernasco, Jan Rouwendal, and Aart Liefbroer. At the NSCR, she investigates the effects of being raised in a single-parent family on criminal involvement of adolescents. Before starting this PhD position, she obtained a research master's degree in Social Psychology and worked as a research assistant and junior teacher at the VU Amsterdam.



**Ajay K. Katuri** (New Delhi, India) is a part-time PhD candidate, supervised by Henk Scholten. His research relates to urban risk management for the Indian city of Ahmedabad. He explores the use of net-centric decision support systems as the backbone of risk management in urban areas. Ajay had been trained as an Architect and Urban planner.



**Orkun Celik** is a visiting researcher at our department under supervision of Jan Rouwendal. He will be staying in the Netherlands until 31 August 2018. Orkun works as a research assistant at Ege University (Izmir, Turkey) . His research interests cover labor income share, wage, and wage differentials. His PhD thesis focuses on labor income share in EU countries.



**Joris Kligen** – already teaching assistant at our department for 3 years - completed the MPhil programme at the Tinbergen Institute and will join us as PhD student per 1 October under supervision of Jos van Ommeren, Erik Verhoef and Paul Koster. His research centres on urban transport with a specific focus on cycling.



**Nicolas Volkhausen** is a part-time PhD student at the Department of Spatial Economics. Supervised by Jos van Ommeren and Hans Koster, his research focuses on the spatial effects of the sharing economy, particularly short-term rental transactions. Nicolas obtained his Master's in Economics of Public Policy from Barcelona GSE and currently works as a researcher in the transportation sector at the consultancy McKinsey.

### Goodbye...



At the end of July 2017 **Teodora Szep** left the Department and now pursues a PhD at TU Delft. She is studying how moral decisions will affect the transport of the future. Her new email address is [t.szep-1@tudelft.nl](mailto:t.szep-1@tudelft.nl).



At the end of August **Rixt Bijker** has left our Department. In the past year she has worked as a postdoc researcher investigating the role of social interactions in local participation choices, in a project together with Eveline van Leeuwen en Paul Koster. Currently she is looking for a new research position. Rixt's emailaddress is: [rixtbijker@gmail.com](mailto:rixtbijker@gmail.com).



After a six-month stay at our department, **Hamid Fowri** left for his home country Iran in order to finish his PhD at the section Transportation Planning at Tarbiat Modares University in Teheran. Hamid can be reached at [h.fowri@modares.ac.ir](mailto:h.fowri@modares.ac.ir).

## New projects

### NWO Project Adaptation Pathways for socially inclusive development of urbanizing deltas

*Henri de Groot, Eric Koomen, Maaïke van Aalst (PhD)*

NWO awarded a project to the department in its 2016 Top Sector Water Call. This research project aims to develop an integrated approach for supporting the long-term inclusive sustainable economic development of urbanizing deltas under uncertain changing conditions. It will be carried out in cooperation with the Policy Analysis section of Delft University of technology and other partners including Deltares, PBL and Can Tho University (Viet Nam).

### Evaluation Opening Noord-Zuidlijn

*Erik Verhoef, Paul Koster, Eric Koomen, Jan Rouwendal, Or Levkovich, Jasper Knockaert, Bo Andrée, Jip Claassens*

The Department will be involved in a large project on the evaluation of the opening of the Noord-Zuidlijn, jointly and in close collaboration with research groups at UvA, CWI, and AMS; and with Gemeente Amsterdam. Research here at the Department will focus on a number of themes: effects on traveller behaviour and valuations; on real estate values, on labour markets, and on accessibility.

## Broken Homes and Crime: Differential Effects of Parental Divorce, Parental Decease, and Out-of-Wedlock Birth on Criminal Involvement in Offspring

*Wim Bernasco, Aart Liefbroer, Jan Rouwendal, Janique Kroese (PhD)*

This project investigates the effects of being raised in a single-parent family on criminal involvement of adolescents. It tests differential effects of parental divorce/separation, parental decease and out-of-wedlock birth on police-registered offending, and investigates the underlying mechanisms by exploring the duration of being raised in a single-parent family, and controls for characteristics of the parent(s), the children and the neighborhood of residence. The project exploits anonymized data of the complete Dutch population available through Statistics Netherlands.

## Publications (1 January-20 September 2017)

### Journal articles

Andrée, B. J. M. & Koomen, E. (2017). Efficiency of second generation biofuel crop subsidy schemes: spatial heterogeneity and policy design. In: Renewable and Sustainable Energy Reviews. 67, p. 848-862

Ansink, E., Gengenbach, M. & Weikard, H. P. (2017). River coalitions and water trade. In: Oxford Economic Papers. 69, 2, p. 453-469

Ansink, E., Tesfaye, A., Bouma, J. & Brouwer, R. (2017). Cooperation in watershed management: A field experiment on location, trust, and enforcement. In: Resource and Energy Economics. 50, p. 91-104

Bavel, B. van, Ansink, E. & van Besouw, B. (2017). Understanding the economics of limited access orders: Incentives, organizations and the chronology of developments. In: Journal of Institutional Economics. 13, 1, p. 109-131

Bergh, J.C.J.M. van den (2017). Rebound policy in the Paris Agreement: instrument comparison and climate-club revenue offsets. In: Climate Policy.

Bergh, J. C. J. M. van den & Botzen, W. J. W. (2017). Global impact of a climate treaty if the Human Development Index replaces GDP as a welfare proxy. In: Climate Policy.

Bernasco, W. & Steenbeek, W. (2017). More Places than Crimes: Implications for Evaluating the Law of Crime Concentration at Place. In: Journal of Quantitative Criminology. 33, 3, p. 451-467

Bernasco, W., Ruiter, S. & Block, R. (2017). Do Street Robbery Location Choices Vary Over Time of Day or Day of Week? A Test in Chicago. In: Journal of Research in Crime and Delinquency. 54, 2, p. 244-275

Bonfatti, R. & Poelhekke, S. (2017). From mine to coast: transport infrastructure and the direction of trade in developing countries. In: Journal of Development Economics. 127, p. 91-108

Diogo, V., Reidsma, P., Schaap, B., Andree, B. P. J. & Koomen, E. (2017). Assessing local and regional economic impacts of climatic extremes and feasibility of adaptation measures in Dutch arable farming systems. In: Agricultural Systems. 157, October, p. 216-229

Eikelboom, T. & Janssen, R. (2017). Collaborative use of geodesign tools to support decision-making on adaptation to climate change. In: Mitigation and Adaptation Strategies for Global Change.

Elburz, Z., Nijkamp, P. & Pels, A. J. H. (2017). Public infrastructure and regional growth: Lessons from meta-analysis. In: Journal of Transport Geography. 58, January, p. 1-8



- Engelfriet, L. & Koomen, E. (2017). The impact of urban form on commuting in large Chinese cities. In: *Transportation*. p. 1-27.
- Estrada, F., Botzen, W. J. W. & Tol, R. S. J. (2017). A global economic assessment of city policies to reduce climate change impacts. In: *Nature Climate Change*. 7, 6, p. 403-406
- Estrada, F., Tol, R. S. J. & Botzen, W. J. W. (2017). Global economic impacts of climate variability and change during the 20th century. In: *PLoS One*. 12, 2, e0172201
- Husby, T. G., de Groot, H. L. F., Hofkes, M. & Filatova, T. (2017). Flood Protection and Endogenous Sorting of Households: the role of credit constraints. In: *Mitigation and Adaptation Strategies for Global Change*.
- Jacobs-Crisioni, C. & Koomen, E. (2017). Population growth, accessibility spillovers and persistent borders: Historical growth in West-European municipalities. In: *Journal of Transport Geography*. 62, p. 80-91 12 p.
- Jardon Kojakhmetova, A., Kuik, O. J. & Tol, R. S. J. (2017). Economic growth and carbon dioxide emissions: An analysis of Latin America and the Caribbean. In: *Atmosfera*. 30, 2, p. 87-99
- Javorcik, B. & Poelhekke, S. (2017). Former Foreign Affiliates: Cast Out and Outperformed? In: *Journal of the European Economic Association*. 15, 3, p. 1-39
- Kangur, A., Bockarjova, M., Jager, W. & Verbrugge, R. (2017). An agent-based model for diffusion of electric vehicles. In: *Journal of Environmental Psychology*.
- King, L. & van den Bergh, J. C. J. M. (2017). Worktime Reduction as a Solution to Climate Change: Five Scenarios Compared for the UK. In: *Ecological Economics*. 132, February, p. 124-134
- Koetse, M. J., Verhoef, E. T. & Brander, L. M. (2017). A generic marginal value function for natural areas In: *The Annals of Regional Science*. 58, 1, p. 159-179
- Koopman, J. F. L., Kuik, O., Tol, R. S. J. & Brouwer, R. (2017). The potential of water markets to allocate water between industry, agriculture, and public water utilities as an adaptation mechanism to climate change. In: *Mitigation and Adaptation Strategies for Global Change*. 22, 2, p. 325-347
- Lindegaard, M. R., Liebst, L. S., Bernasco, W., Heinskou, M. B., Philpot, R., Levine, M. & Verbeek (2017). Consolation in the aftermath of robberies resembles post-aggression consolation in chimpanzees. In: *PLoS One*. 12, 5, e0177725
- Ploeg, R. van der & Poelhekke, S. (2017). The Impact of Natural Resources: A survey of recent quantitative evidence. In: *Journal of Development Studies*. 53, 2, p. 205-216
- Ploeg, van der, F. & Rezai, A. (2017). Cumulative emissions, unburnable fossil fuel, and the optimal carbon tax. In: *Technological Forecasting and Social Change*. 116, p. 216-222
- Rouwendal, J., van Marwijk, R. & Levkovich, O. D. (2017). Estimating the Value of Proximity to Water, When Ceteris Really Is Paribus. In: *Real Estate Economics*.
- Safarzynska, K. E. & van den Bergh, J. C. J. M. (2017). Integrated crisis-climate policy: Macro-evolutionary modelling of technology, finance and energy interactions. In: *Technological Forecasting and Social Change*. 114, p. 119-137
- Smit, M. J. (2017). Innovation through new blood. In: *The Annals of Regional Science*. 36 p.
- Verhoef, E. T. (2017). Cost recovery of congested infrastructure under market power. In: *Journal of Urban Economics*. 101, p. 45-56
- Verhoef, E.T. & Silva, H.E. (2017). Dynamic equilibrium at a congestible facility under market power. In: *Transportation Research B*, 5, p. 174-192.

Verhoeven, J. T. A., Beltman, B., Janssen, R. & Soons, M. B. (2017). Delineation of landscape-scale hydrology and plant dispersal processes in species-rich fens: the Operational Landscape Unit approach. In: Wetlands.

## Working papers

Andree, B. P. J., Blasques Albergaria Amaral, F. & Koomen, E. (2017). Smooth Transition Spatial Autoregressive Models. Amsterdam: Tinbergen Institute, 55 p.(Tinbergen Institute Discussion Paper Series; vol. 2017-050/III)

Beck, T. & Poelhekke, S. (2017). Follow the money: Does the Financial Sector Intermediate Natural Resource Windfalls? Amsterdam: Tinbergen Institute, (Tinbergen Institute Discussion Paper no. 17-028/VIII)

Dijk, J. J., Ansink, J. H. & van Soest, D. P. (2017). Buyouts and Agglomeration Bonuses in Wildlife Corridor Auctions. Amsterdam: Tinbergen Institute (TI Discussion Paper Series; vol. 17-036/VIII)

Fu, X., van den Berg, V. A. C. & Verhoef, E. T. (2017). Private Road Supply in Networks with Heterogeneous Users. Amsterdam: Tinbergen Institute, 52 p.(TI Discussion Paper Series; no. 17-25/VIII)

Groote, J. de, van Ommeren, J. N. & Koster, H. R. A. (2017). The Impact of Parking Policy on House Prices. Amsterdam: Tinbergen Institute (TI Discussion Paper Series; no. 17-037/VIII)

Jacobs, B. & van der Ploeg, F. (2017). Should Pollution Taxes Be Targeted At Income Redistribution? Amsterdam: Tinbergen Instituut, 46 p.(TI Discussion Paper Series; vol. 17, no. 070/VI)

Jong, G. de, Behrens, C. L., van Herk, H. & Verhoef, E. T. (2017). Domestic Market Power in the International Airline Industry. Amsterdam: Tinbergen Institute, (Tinbergen Institute Discussion Paper; no. 17-009/VIII)

Koster, H. R. A. & van Ommeren, J. N. (2017). Place-based policies and the housing market. Amsterdam: Tinbergen Institute, (Tinbergen Institute Discussion Paper; no. 17-008/VIII)

Rijken, D. & van den Berg, V. A. C. (2017). The Impact of Airline Mergers on Quality: Why Do Different Mergers Have Such Different Effects? Amsterdam: Tinbergen Institute, 25 p.(TI Discussion Paper Series; vol. 17, no. 079/VIII)

Rouwendal, J. (2017). Specification Tests for The Multinomial Logit Model Revisited: The Role of Alternative-Specific Constants. Amsterdam: Tinbergen Institute, 16 p.(TI Discussion Paper Series; vol. 17, no. 068/VIII)

Rouwendal, J. & van Duijn, M. (2017). Measuring Diverging House Prices. Amsterdam: Tinbergen Institute.(TI Discussion Paper Series; no. 17-028/VIII)

Rouwendal, J., Levkovich, O. D. & Mulalic, I. (2017). Discrete Choice Models for Commuting Interactions Amsterdam: Tinbergen Institute, 21 p.(TI Discussion Paper Series; vol. 17, no. 067/VIII)

Verhoef, E. T. (2017). Optimal Congestion Pricing with Diverging Long-run and Short-run Scheduling Preferences. Amsterdam: Tinbergen Institute, 33 p.(TI Discussion Paper Series; vol. 17, no. 077/VIII)

Wiegand, M., Koomen, E., Pradhan, M. P. & Edmonds, C. (2017). The Impact of Road Development on Household Welfare in Rural Papua New Guineae. Amsterdam: Tinbergen Institute, 33 p.(TI Discussion Paper Series; vol. 17, no. 076/V)

All publications >>>

## In the Media

Experiments with tradeable mobility permits in order to find a solution for congestion – within the framework of the U-SMILE research project – have received a lot of attention in the media recently. Project leader Erik Verhoef was interviewed on several occasions (all-in Dutch):

Experiment met spitsrechten om files tegen te gaan. (RTL Nieuws, 4 September)

Nieuw experiment in strijd tegen files (BNR Nieuwsradio, 29 August)

Wat als je stadsbewoners een verzilverbaar parkeerrecht geeft (Trouw, 30 August)

Jij woensdag de parkeerplaats in ruil voor de donderdag (NOS News item, 30 August)

NOS Radio 1 journaal: VU start proef met verhandelbare parkeervergunning (NOS Radio 1 Journaal, 30 August)

Het Parool: VU onderzoekt verhandelbare parkeerrechten (Het Parool, 30 August)

NOS Nieuwsuur artikel: Growing congestion in the Netherlands ( 29 July)

