

Ioulia V. Ossokina

Economics of cities. Big data. Cost-benefit analysis.

1. Personal

Contact: Eindhoven University of Technology, Faculty of Built Environment, Eindhoven, the Netherlands, i.v.ossokina@tue.nl

Born on 7 April 1977. Dutch national. Married, two children born 2004, 2008.

2. Employment

June 2016 onwards: Eindhoven University of Technology, assistant professor (UD1)

2014-onwards: Erasmus University Rotterdam, guest lecturer

2003-2016: CPB Netherlands Bureau for Economic Policy Analysis, department of Infrastructure and Economic Geography, senior researcher and project manager

1998-2003: Erasmus University Rotterdam, researcher

3. Education

Ph.D. in economics, Erasmus University Rotterdam (the Netherlands), 2003. Thesis "Environmental policy and environment-saving technologies. Economic aspects of policy-making under uncertainty."

M.Sc. in economics, Tilburg University (the Netherlands), 1998.

Bachelor in quantitative economics, Moscow State University (Russia), 1997.

Additional education: Summer school in Transportation economics; various courses in econometrics, statistics and programming software; courses in leadership and management, communication.

4. Professional activities

Econometric analysis of consumer behavior using survey data, real estate and sale transaction data, microdata of Statistics Netherlands. Impact and policy evaluation. Development, construction and calibration of computable models of consumer behavior and real estate market. Work in close collaboration with Ministries, municipalities, real estate firms as well as data suppliers (Statistics Netherlands, commercial companies). Coordination of research teams; supervision and coaching of researchers.

4.1 Recent finished projects

Home location choice of Dutch employees (joint with Coen Teulings and Henri de Groot). We constructed an applied model of how Dutch households of different education levels choose where to live and to work. The model is estimated on real data. We find for example that high educated like to live near urban amenities, parks and railway stations and prefer larger houses. This allows to screen urban neighbourhoods for their attractiveness for different population groups. We apply the model to calculate the effects of a transport connection between the economic centre and its periphery.

Output. 2016: paper “Land use, worker heterogeneity and welfare benefits of public goods” (revise and resubmit in the Journal of Urban Economics); 2016: article “High educated are the motor for urban development” (in Dutch, TPEdigitaal and internet forum MeJustice); 2014: CPB Policy Brief “Agglomeration, transport infrastructure and welfare” (in Dutch); 2014: CEPR Discussion paper “Welfare Benefits of Agglomeration and Worker Heterogeneity”.

Effects of traffic nuisance on housing prices (joint with Gerard Verweij). Ex post econometric evaluation of the environmental effects of the new bypass N14 by The Hague. The bypass reduced local traffic nuisance. Our model estimates how housing demand and housing prices in the neighborhood of the bypass reacted to these changes. We find that house prices rose after the opening of the highway, but the residents did not foresee the improvement in local environment in advance.

Output. 2016: Article “The environmental benefits of a new highway” (in Dutch, Economisch-Statistische berichten); 2015: Article “Urban traffic externalities: quasi-experimental evidence from housing prices” (in Regional Science and Urban Economics).

Update of the CPB long-term scenario's for demand for offices.

Output 2012: CPB Note “Commercial real estate market: the past and the future” (in Dutch), Article “Why is the high office vacancy rate a structural phenomenon?” (In Dutch, Internet forum MeJustice).

Project assessment: Second opinion on the Cost-benefit analysis of the urban development proposal Amsterdam Zuidas Dok.

Output 2012: CPB Note “Second opinion Zuidas Dok” (in Dutch).

4.2 Work in progress

The urban economics of retail (joint with Coen Teulings and Jan Svitak). We build a model describing the competition between retail and residential land in a city and estimate it on Dutch data. The model allows to predict the rent level in different locations within 300 larger Dutch shopping centers, despite the very limited data on observed rents. We use it to analyze how rents and vacancies reacted to the crisis.

Output 2016: The urban economics of retail, paper presented at the European Regional Science conference; CPB Policy Brief “Winkelleegstand na de crisis” (in Dutch).

Economic effects of transport infrastructure investments (joint with Jos van Ommeren). An econometric study of how highway extensions in the Netherlands 1990-2014 influenced the demand for residential and commercial real estate.

Related output (2016): CPB Policy Brief “Investments in transport infrastructure” (in Dutch).

Happy senior living (joint with Theo Arentze, Dick van Gameren and Dirk van den Heuvel). We perform a multidisciplinary study of the location and housing preferences of the elderly. Then we design two or three 65+ best living concepts including: neighbourhood attributes attractive for 65+ and building blocks that fit within these neighbourhoods.

4.3 Teaching

Master: urban economics (Eindhoven), real estate (Eindhoven), policy evaluation (Rotterdam).

Other: Cost-benefit analysis for civil servants (Academy of the Dutch Ministry of Finance)

4.4 Professional activities

2016: organizer workshop “Spatial policy: centralized or decentralized?”, together with PBL Netherlands Environmental Assessment Agency and TPEdigitaal. Workshop attended by some 60 participants from Ministries, municipalities, research agencies.

2015-2016: guest editor Dutch peer refereed journal TPEdigitaal, issue on Regional and spatial economics

2015, 2016: referee Journal of Urban Economics

2014: expert participant in the OECD Environmental Performance Review of the Netherlands

2012-onwards: member of the networks of urban economists (UEA), transportation economists (ITEA)

2009-onwards: member advisory councils of Statistics Netherlands (regional, housing, construction, retail)

2005–2010: organizer scientific seminars at CPB Netherlands Bureau for Economic Policy Analysis

4.5 Major conference presentations and invited seminars

International Transport Economics Association (2011, 2012, 2013, 2014).

Urban Economics Association (2012, 2014, 2015, 2016).

2016: IV Urban Economics workshop in Barcelona; VU University Amsterdam; Statistics Netherlands; Ministry of Economic Affairs.

2015: Ministry of Infrastructure and Environment, Ministry of Economic Affairs.

2014: Dutch Railways, Erasmus University Rotterdam.

2011: Katholieke Universiteit Leuven.

4.6 Awards and grants

2016-2017 Lighthouse grant of the Dutch Center of Excellence for the Built Environment, in collaboration with Theo Arentze, Dick van Gameren and Dirk van den Heuvel. Project Happy Senior Living, 50000 euro.

5. Social activities

2015–2016: member of the Employees Council CPB Netherlands Bureau for Economic Policy Analysis

2010-2016: member of the School council of the primary school Rotterdamse Schoolvereniging

2003–2013: member and chair (from 2008) of the Board of the Tinbergen Institute Alumni Association

1998-2002: initiator and organizer of monthly career days for PhD-students of the Tinbergen Institute

6. Skills

Software: Stata, R, Python, LaTeX, Gauss, Matlab, Microsoft office. Languages: Dutch, English (proficient), Russian (mother tongue), French (medium), German (basic); Personal: Highly motivated and result-oriented, a pro-active initiator and coordinator, able to explain complex matters in a simple way.