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News from the Department

New project: HERILAND

The Department of Spatial Economics is prominently involved in HERILAND, a new pan-European research and training network on cultural heritage in relation to Spatial Planning and Design. It is funded by the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 813883.

HERILAND is led by Gert-Jan Burgers (VU Humanities); **Hadewijch van Delft** is project manager; **Niels van Manen** training coordinator; **Maurice de Kleijn** data coordinator; and **Ellen Woudstra** communications officer. The department will also host one Early Stage Researcher/ PhD.



Through HERILAND, a consortium of 7 key academic and non-academic organizations – with 21 partners in civil society and business – aims to empower a new generation of academics, policy makers, practitioners, professionals, and entrepreneurs. The project’s research design positions heritage in the frame of five transformation processes, identifying as key challenges to the heritage management of the 21st century: The Spatial Turn, Democratisation, Digital Transformations, Shifting Demographics and Contested Identities, and Changing Environments. Using this framework, 15 Early Stage Researchers (PhDs) will be offered advanced training, combining theoretical and instrumental knowledge in a series of research seminars, living labs and secondments with public and private project partners. By doing this, HERILAND will establish a new pan-European, trans-national, interdisciplinary and cross-sectoral research and training standard, which will be codified in a HERILAND Handbook for Heritage Planning and instrumentalised through an ongoing HERILAND College for Heritage Planning.

New project: Automatic valuation method

Jan Rouwendal is appointed promotor of Bas Hilgers, externally financed PhD student. Bas will study the prices of commercial real estate, using data collected by Cushman and Wakefield, a commercial real estate services company. The project is financed by the same company and runs from September 2018 to September 2022.

Carolyn Fischer: Publication in Nature Sustainability

Carolyn Fischer et al. had their article on ‘Policy design for the Anthropocene’ published in *Nature Sustainability*, a special edition of *Nature*. *Nature* is one of the most recognizable scientific journals in the world, and is ascribed an impact factor of around 40, making it one of the world's top academic journals. The authors investigate the complexities of the complexities of designing policies that can keep Earth within the biophysical limits favourable to human life. [Read more.](#)



The Department of Spatial Economics in Jakarta

End of January / early February Erik Verhoef, Gerard van der Meijden, Peter Mulder and Henri de Groot taught at the Universitas Indonesia in Jakarta a 2-weeks intensive course in transport, urban and environmental economics.

It was the second time that this course was held, as part of the collaboration between the Department of Spatial Economics and the Faculty of Economics and Business at the Universitas Indonesia in Jakarta. The long-term goal of the collaboration is to conduct joint research in the field of transport, urban and environmental economics.

To this end, the Department of Spatial Economics invests in strengthening education in these fields for Indonesian students and junior academic staff. We do this, amongst others, by teaching each year in Jakarta this 2-weeks intensive course. The course was attended by over 30 students. It was a great success, thanks to the highly motivated and very good students, excellent logistics provided by Universitas Indonesia and the awareness among both teachers and students that transport,

environmental and urban economics are of great importance for Indonesia in general and Jakarta in particular.

Clearly, the course contributes to gain awareness and understanding of the kind of teaching and research that we do in Amsterdam, and as such helps to improve the matching process for potential candidates for our master and PhD programs. Three Indonesian students that took part in last year's intensive course are currently following our Master Program in Amsterdam – they do very well, to their and our joy.

We have again been inspired by our experiences in Jakarta and very much look forward to deepening and expanding this collaboration.



More info: Peter Mulder, p.mulder@vu.nl

Upcoming events

Save the date(s):

9th European Meeting of the Urban Economics Association

Held at Tinbergen Institute Amsterdam, 31 May-1 June, 2019.

Organizers: Jos van Ommeren, Jan Rouwendal, Hans Koster. [More information](#)

23rd World Conference of the Air Transport Research Society

Held at VU Amsterdam, July 2-5, 2019.

Organizers: Eric Pels, Marc Lijesen, Jaap de Wit (UvA). [More information](#)

Eureka Seminars

(held on Thursdays, location flexible)

11 April, 12:15-13:15, room 14a-36:

Benjamin Wache: 'Information frictions and Financial Flows - Evidence from the 19th Century'
Haohan Xiao

16 May, 12:15-13:15, room 9a-29

Ilan Cohen (Centrum Wiskunde & Informatica)

Sander van Cranenburgh (TU Delft): 'An artificial neural network based method to uncover the Value-of-Travel-Time distribution'

4 June, 12:15-13:15:

Jordy Meekes (Melbourne Institute of Applied Economic and Social Research)
Marion Collewet

20 June, 12:15-13:15, room 5a-36:

Maurice de Kleijn

Mark Groenhuijzen: 'Testing archaeological hypotheses on local transport in the Dutch part of the Roman frontier through spatial analysis and network approaches'

Titles and locations, if not given: TBA

More information: G.C.vanderMeijden@vu.nl

Spatial Economics Seminar at the Tinbergen Institute

(Location: Tinbergen Institute Amsterdam, room 1.01)

28 March, 12:15-13-15

Nick Hagerty (University of California, Berkeley, US):

'Liquid Constrained in California: Estimating the Potential Gains from Water Markets'

15 April, 12:15-13-15

Stefan Ambec (Toulouse School of Economics, France)

2 May, 12:15-13-15

Robbert Elliott (University of Birmingham, UK)

9 May, 12:15-13-15

Tom Lyon (University of Michigan, US)

6 June, 12:15-13-15

Frédéric Robert-Nicoud (Université de Genève)

Titles if not given: TBA

More information: H.Koster@vu.nl or M.D.Konig@vu.nl

Staff

Welcome...



Saul Basurto joined our department to work on the BREATHE project from the University of Birmingham (UK) and obtained a PhD degree. Part of his PhD, he investigated the potential effects of climate change in Mexico. Before that, he obtained a MSc degree in Environmental Economics at the University of Birmingham and a BA degree in Economic National Autonomous University of Mexico (UNAM). His research is in environmental economics, natural resource economics, econometric development.



Paolo Tasseron is part-time education assistant and junior research supervision of Eric Koomen. He obtained a bachelor degree in Future majoring in Earth Sciences at the Universiteit van Amsterdam. Paolo on spatial analysis concerning land-use change and air pollution.

Recently In the media (*in Dutch*)

- Verhoef, Erik (2019). 'Overheden moeten niet op eigen houtje opereren' (news article about the accessibility of cities, NU.nl, 14 March)
- Verhoef, Erik (2019). Ook NS wil spitsmijden invoeren. Goed idee (radio interview, NPO 1, from 10.50, 2 March)
- Pels, Eric (2019). Heeft overheidsingrijpen zin bij de kwestie Air France – KLM? (NOS Journaal, 27 February)
- Pels, Eric (2019). Twijfels over ingrijpen bij Air France – KLM (interview, NOS article, 26 February)
- Pels, Eric (2019). De invloed van Nederland op KLM (interview, Met het oog op morgen, 19 February, starting at 23:00)
- Koster, Hans (2019). Hoe Airbnb tot hogere en stijgende huizenprijzen leidt (interview, NRC, 4 February)
- Verhoef, Erik (2019). Voer maar in dan die zandloper op de weg (interview, NPO Radio 1, 2 February)
- Verhoef, Erik (2019). Rekeningrijden lijkt weer een stapje dichterbij (interview, Trouw, 30 January)
- Verhoef, Erik (2019). 'Zo moeilijk is het niet, de files aanpakken' (interview, De Volkskrant, 29 January)
- Verhoef, Erik (2019). Van 130 naar 120 is effectief, maar zet liever een kookwekker in je douche (interview, BNR Nieuwsradio, 23 January)
- Koster, Hans (2019). Bewezen: Airbnb jaagt huizenprijzen op (interview BNR Nieuwsradio, 14 January)
- Koster, Hans (2019). Airbnb jaagt huizenprijzen op (interview, Financieel Dagblad, 14 January)
- Verhoef, Erik (2019). Transport en Provincie zien niets in tol op Brabantse snelweg (interview, Algemeen Dagblad, 10 January)
- Verhoef, Erik (2018). Luxemburg zet gratis OV in als tegen fileprobleem (BNR Nieuwsradio, 6 December)
- Verhoef, Erik (2018). 'Gratis openbaar lost de files niet op' (radio interview, Bert op 5, 8 December)

Key publications (6 September 2018 – 6 March 2019)

Journal articles

- Bernasco, W. (2019). Adolescent offenders' current whereabouts predict locations of their future crimes. *PLoS ONE*, 14(1), [e0210733]. <https://doi.org/10.1371/journal.pone.0210733>
- Cameron, M. P., & Poot, J. (Accepted/In press). The estimation and interpretation of coefficients in panel gravity models of migration. *Letters in Spatial and Resource Sciences*. DOI: [10.1007/s12076-018-00220-y](https://doi.org/10.1007/s12076-018-00220-y)
- Coester, A., Hofkes, M. W., & Papyrakis, E. (2018). Economics of renewable energy expansion and security of supply: A dynamic simulation of the German electricity market. *Applied Energy*, 231, 1268-1284. : <https://doi.org/10.1016/j.apenergy.2018.09.143>
- Fu, X., van den Berg, V. A. C., & Verhoef, E. T. (2018). Private road networks with uncertain demand. *Research in Transportation Economics*, 70, 57-68. DOI: [10.1016/j.retrec.2018.06.003](https://doi.org/10.1016/j.retrec.2018.06.003)

- Fu, X., van den Berg, V. A. C., & Verhoef, E. T. (2018). Private road supply in networks with heterogeneous users. *Transportation Research Part A: Policy and Practice*, 118(December), 430-443. DOI: [10.1016/j.tra.2018.09.025](https://doi.org/10.1016/j.tra.2018.09.025)
- Gubins, S., van Ommeren, J., & de Graaff, T. (2019). Does new information technology change commuting behavior? *Annals of Regional Science*, 62(1), 187-210. <https://doi.org/10.1007/s00168-018-0893-2>
- Haas, R., & Poelhekke, S. (2019). Mining Matters: Natural Resource Extraction and Firm-level Constraints. *Journal of International Economics*, 117, 109-124. <https://doi.org/10.1016/j.jinteco.2019.01.006>
- Hwang, I. C., Tol, R. S. J., & Hofkes, M. W. (Accepted/In press). Active Learning and Optimal Climate Policy. *Environmental and Resource Economics*. : <https://doi.org/10.1007/s10640-018-0297-x>
- Jong, P.A. de, van Hattum, P., Rouwendal, J., & Brouwer, A. E. (2018). 'The older adult' doesn't exist: using values to differentiate older adults in the Dutch housing market. *Housing Studies*, 33(7), 1014-1037. DOI: [10.1080/02673037.2017.1414158](https://doi.org/10.1080/02673037.2017.1414158)
- Konig, M. D., Zenou, Y., & Liu, X. (Accepted/In press). R&D Networks: Theory, Empirics and Policy Implications. *Review of Economics and Statistics*. DOI: [10.1162/rest_a_00762](https://doi.org/10.1162/rest_a_00762)
- Koster, H. R. A., Cheng, F. F., Gerritse, M., & van Oort, F. G. (Accepted/In press). Place-based policies, firm productivity, and displacement effects: Evidence from Shenzhen, China. *Journal of Regional Science*. <https://doi.org/10.1111/jors.12415>
- Koster, P., Verhoef, E., Shepherd, S., & Watling, D. (2018). Preference heterogeneity and congestion pricing: The two route case revisited. *Transportation Research Part B: Methodological*, 117(Part A), 137-157. <https://doi.org/10.1016/j.trb.2018.08.010>
- Kurniawan, H., de Groot, H. L. F., & Mulder, P. (2019). Are poor provinces catching-up the rich provinces in Indonesia? *Regional Science, Policy and Practice*. <https://doi.org/10.1111/rsp3.12160>
- Kusse, B., van Manen, N., & Scholten, H. (2018). GeoS4S module incident and crisis management. *International Journal of Geoinformatics*, 14(3), 57-60.
- Lanen, R. J. van, De Kleijn, M. T. M., Gouw-Bouman, M. T. I. J., & Pierik, H. J. (2018). Exploring Roman and early-medieval habitation of the Rhine-Meuse delta: Modelling large-scale demographic changes and corresponding land-use impact. *Geologie en Mijnbouw/Netherlands Journal of Geosciences*, 97(1-2), 45-68. <https://doi.org/10.1017/njg.2018.3>
- Letta, M., & Tol, R. S. J. (Accepted/In press). Weather, Climate and Total Factor Productivity. *Environmental and Resource Economics*, 1-23. <https://doi.org/10.1007/s10640-018-0262-8>
- Letta, M., Montalbano, P., & Tol, R. S. J. (2018). Temperature shocks, short-term growth and poverty thresholds: Evidence from rural Tanzania. *World Development*, 112, 13-32. <https://doi.org/10.1016/j.worlddev.2018.07.013>
- Mahumane, G., & Mulder, P. (2019). Expanding versus greening? Long-term energy and emission transitions in Mozambique. *Energy Policy*, 126, 145-156. <https://doi.org/10.1016/j.enpol.2018.10.056>
- Manen, N. van, Hettinga, S., & Scholten, H. J. (2018). GeoS4S module geodesign. *International Journal of Geoinformatics*, 14(3), 19-21.
- Micheli, M., Rouwendal, J., & Dekkers, J. (Accepted/In press). Border Effects in House Prices. *Real Estate Economics*. <https://doi.org/10.1111/1540-6229.12255>
- Ploeg, F. van der (2018). Breakthrough renewables and the green paradox. *FinanzArchiv*, 74(1), 52-70. DOI: [10.1628/001522118X15101422148687](https://doi.org/10.1628/001522118X15101422148687)
- Ploeg, F. van der, & de Zeeuw, A. (2018). Climate Tipping and Economic Growth: Precautionary Capital and the Price of Carbon. *Journal of the European Economic Association*, 16(5), 1577-1617. <https://doi.org/10.1093/jeea/jvx036>
- Ploeg, F. van der, & Rezai, A. (2019). The agnostic's response to climate deniers: Price carbon! *European Economic Review*, 111, 70-84. <https://doi.org/10.1016/j.eurocorev.2018.08.010>
- Ploeg, F. van der, & Rezai, A. (Accepted/In press). Simple Rules for Climate Policy and Integrated Assessment. *Environmental and Resource Economics*. DOI: [10.1007/s10640-018-0280-6](https://doi.org/10.1007/s10640-018-0280-6)
- Reimann, L., Vafeidis, A. T., Brown, S., Hinkel, J., & Tol, R. S. J. (2018). Mediterranean UNESCO World Heritage at risk from coastal flooding and erosion due to sea-level rise. *Nature Communications*, 9(1), [4161]. <https://doi.org/10.1038/s41467-018-06645-9>

- Rouwendaal, J., Keus, A., & Dekkers, J. (Accepted/In press). Gentrification through the sale of rental housing? Evidence from Amsterdam. *Journal of Housing Economics*.
<https://doi.org/10.1016/j.jhe.2018.07.002>
- Ruiter, S., & Bernasco, W. (2018). Is travel actually risky? A study of situational causes of victimization. *Crime Science*, 7, 1-12. [10]. DOI: [10.1186/s40163-018-0084-6](https://doi.org/10.1186/s40163-018-0084-6)
- Song, G., Bernasco, W., Liu, L., Xiao, L., Zhou, S., & Liao, W. (2019). Crime Feeds on Legal Activities: Daily Mobility Flows Help to Explain Thieves' Target Location Choices. *Journal of Quantitative Criminology*. DOI: : <https://doi.org/10.1007/s10940-019-09406-z>
- Sterner, T., Barbier, E. B., Bateman, I., van den Bijgaart, I., Crépin, A. S., Edenhofer, O., Fischer, C. et al. (2019). Policy design for the Anthropocene. *Nature Sustainability*, 2(1), 14-21. :
<https://doi.org/10.1038/s41893-018-0194-x>
- Wang, Z., de Graaff, T., & Nijkamp, P. (2018). Barriers of Culture, Networks, and Language in International Migration: A Review. *Region*, 5(1), 73-89. DOI: [10.18335/region.v5i1.203](https://doi.org/10.18335/region.v5i1.203)
- Wilcke, W. X., de Boer, V., de Kleijn, M. T. M., van Harmelen, F. A. H., & Scholten, H. J. (Accepted/In press). User-centric pattern mining on knowledge graphs: An archaeological case study. *Journal of Web Semantics*. : <https://doi.org/10.1016/j.websem.2018.12.004>

Working papers

- Ansink, E., & Weikard, H. P. (2018). *Common pool resources: Is there support for conservationists?* (TI Discussion Paper Series; No. 18-083/VIII). Amsterdam: Tinbergen Institute
<http://www.tinbergen.nl/discussionpaper/?paper=2949>
- Konig, M. D., Zimmermann, C., Liu, X. (Author), & Hsieh, C-S. (2018). Superstar Economists: Coauthorship networks and research output. CESifo Working Paper Series 7309. CESifo Group Munich. <https://portal.cepr.org/discussion-paper-submission/2243>
- Konig, M. D., Hsieh, C-S., & Liu, X. (2018). Network Formation with Local Complements and Global Substitutes: The Case of R&D Networks. CEPR Discussion Paper Series DP13161. Centre for Economics Policy Research.
http://www.cepr.org/active/publications/discussion_papers/dp.php?dpno=13161
- Lankhuizen, M. B. M., Thissen, M., Los, B., van Oort, F., & Diodato, D. (2018). *EUREGIO: The construction of a global IO DATABASE with regional detail for Europe for 2000-2010*. Tinbergen Institute Discussion Paper 084/VI <http://papers.tinbergen.nl/18084.pdf>
- Pelzl, P., & Poelhekke, S. (2018). *Good mine, bad mine: Natural resource heterogeneity and Dutch disease in Indonesia*. (Tinbergen Institute Discussion Paper; No. TI 2018 - 073/VIII).
<http://papers.tinbergen.nl/18073.pdf>

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