

Peter Mulder

Assistant Professor

Vrije Universiteit Amsterdam, School of Business and Economics, Department of Spatial Economics
De Boelelaan 1105, 1081 HV Amsterdam, The Netherlands. Tel: +31 20 598 2371, Email: p.mulder@vu.nl

Date of Birth: 28.09.1974. Languages: Dutch (native), English (fluent), Portuguese (good), German (good)
Website: <http://www.petermulder.net> & <https://research.vu.nl/en/persons/p-mulder>

Peter Mulder (1974) is assistant professor in Economics. He teaches a variety of courses, including microeconomics, urban economics, economic ethics and an inter-disciplinary course on cities. His research is mainly in the fields of energy economics and the spatial structure of development, with a focus on developing countries.

He is coordinator of the minor Spatial Economics at Vrije Universiteit Amsterdam and he manages a newly established partnership on teaching and research with the Faculty of Economics and Business at the University of Indonesia in Jakarta.

In 2003, he obtained his Ph.D. from Vrije Universiteit Amsterdam with a thesis on the economics of technology diffusion and energy efficiency, based on research carried out at the Institute for Environmental Studies (IVM) of Vrije Universiteit Amsterdam and the CPB Netherlands Bureau for Economic Policy Analysis. Subsequently, he has been an associate research scholar at the International Institute for Applied Systems Analysis (IIASA) in Laxenburg, Austria, and a post-doctoral researcher at the Department of Spatial Economics of VU University Amsterdam.

In 2005 he interrupted academic life to work for two years in Mozambique as a consultant/energy economist for the Danish International Development Agency (Danida), based at the Ministry of Planning & Development and the Ministry of Energy of the Government of Mozambique. In 2007 he returned to Vrije Universiteit Amsterdam. During the 2011 spring semester he was visiting assistant professor at the Department of Agricultural Economics of Purdue University, West Lafayette, Indiana (USA).

He has been member and chairman of the Educational Committee for the Earth & Economics BSc program at Vrije Universiteit Amsterdam and member of the Board of Examiners at University College Amsterdam.

Education

- 1998 – 2003 Ph.D. in Economics, Vrije Universiteit Amsterdam.
- 1992 – 1998 Masters (MSc) in Economics, Vrije Universiteit Amsterdam.

Previous academic positions

- 2011 Visiting Assistant Professor
Department of Agricultural Economics, Purdue University, Indiana, USA
- 2005 – 2007 Consultant/Energy Economist
Danish International Development Agency (Danida)
Based at Ministry of Energy and Ministry of Planning and Development, Maputo, Mozambique
- 2004 – 2005 Post-Doctoral Researcher
Department of Spatial Economics, VU University Amsterdam, The Netherlands
- 2003 – 2004 Associate Post-Doctoral Research Scholar
International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria
- 1998 – 2003 Junior Researcher / Ph.D. candidate
Institute for Environmental Studies (IVM), VU University Amsterdam, &
CPB Netherlands Bureau for Economic Policy Analysis, The Hague, The Netherlands

Selected Publications

- Bakens, J., Florax, R. J. G. M. & Mulder, P. (2018), Ethnic Drift and White Flight: A Gravity Model of Neighborhood Formation, *Journal of Regional Science*, forthcoming.
- Mahumane, G.M. and P. Mulder (2016), Introducing MOZLEAP: an integrated long-run scenario model of the emerging energy sector of Mozambique, *Energy Economics* 59, 275-289.
- Wan, J., K. Baylis and P. Mulder (2015), Trade-Facilitated Technology Spillovers in Energy Productivity Convergence Processes across EU Countries, *Energy Economics* 48, 253–264.
- Mulder, P. (2015), International Specialization, Sector Structure and the Evolution of Manufacturing Energy Intensity in OECD Countries, *The Energy Journal* 36(3), pp. 111-136.
- Andadari, R.K., Mulder, P. and P. Rietveld (2014), Energy poverty reduction by fuel switching. Impact evaluation of the LPG conversion program in Indonesia, *Energy Policy* 66, pp. 436–449
- Pfeiffer, B. and P. Mulder (2013), Explaining the Diffusion of Renewable Energy Technology in Developing Countries, *Energy Economics* 40, pp. 285–296
- Bakens, J., P. Mulder and P. Nijkamp (2013), Economic impacts of cultural diversity in The Netherlands: productivity, utility and sorting, *Journal of Regional Science* 53, pp. 8-36.
- Mulder, P. and H.L.F. de Groot (2013), Dutch Sectoral Energy Intensity Developments in International Perspective, 1987–2005, *Energy Policy* 52, pp. 501-512
- Mulder, P. and H.L.F. de Groot (2012), Structural Change and Convergence of Energy Intensity Across OECD Countries, 1970–2005, *Energy Economics* 34, pp. 1910–1921
- Florax, R.J.G.M., H.L.F. de Groot and P. Mulder (2011). *Improving Energy Efficiency through Technology: Trends, Investment Behaviour and Policy Design*, Cheltenham: Edward Elgar.
- Bucuane, A.J. and P. Mulder (2009), Prospects for an Electricity Tax, in: Arndt, C. and F. Tarp (eds.), *Taxation in a Low-Income Economy – The case of Mozambique*, pp.302-327. London/NewYork: Routledge.
- Mulder, P. and J. Tembe (2008), Rural Electrification in an Imperfect World: A case study from Mozambique, *Energy Policy*, 36, pp. 2785-2794.
- Mulder, P. and H.L.F. de Groot (2007), Sectoral Energy- and Labour-Productivity Convergence, *Environmental and Resource Economics*, 36, pp. 85–112. Reprinted in: L. Bretschger and S. Smulders (2007, eds), *Sustainable Resource Use and Economic Dynamics*, pp. 165–190, Springer, Dordrecht.
- Miketa, A. and P. Mulder (2005), Energy-Productivity Across Developed and Developing Countries in 10 Manufacturing Sectors: Patterns of Growth and Convergence, *Energy Economics* 27, pp 429-453.
- Mulder, P. (2005). *The Economics of Technology Diffusion and Energy Efficiency*. Cheltenham: Edward Elgar.
- De Groot, H.L.F., M.W. Hofkes and P. Mulder (2004), A Vintage Model of Technology Diffusion: The effects of learning-by-doing and returns to diversity, in: Brakman and Heijdra (eds), *The Monopolistic Competition Revolution in Retrospect*, pp.356-372. Cambridge: Cambridge University Press.
- Mulder, P., H.L.F. de Groot and M.W. Hofkes (2003), Explaining Slow Diffusion of Energy-Saving Technologies. A vintage model with returns to diversity and learning-by-using, *Resource and Energy Economics* 25, pp.105-126.
- Mulder, P. and J.C.J.M. van den Bergh (2001), Evolutionary Economic Theories of Sustainable Development, *Growth and Change* 32, pp.110-134.

Under submission

- Berenschot, W. and P. Mulder. *Explaining regional variation in local governance: clientelism and state-dependency in Indonesia*.
- Bakens, J., H.L.F. de Groot, R.J.G.M. Florax and P. Mulder. *Living Apart Together. The Economic Value of Ethnic Diversity in Cities*.
- Dobis, E.A., M.S. Delgado, R.J.G.M. Florax and P. Mulder. *Hierarchy and Spatial Contagion: Population in American Cities between 1990 and 2010*.
- Mahumane, G.M. and P. Mulder. *Expanding versus Greening? Long-Term Energy and Emission Transitions in Mozambique*.

Working papers

- Income inequality dynamics in decentralizing Indonesia* (with I.S. Rosidin, I.S. and H.L.F. de Groot)
- Urbanization versus Renewable Energy Transition in Developing Countries. A Spatial Energy Model and Evidence for Indonesia* (with S. Fevreira and C. Bogmans)
- The Impact of Urbanization on Energy Consumption in the Global South. Evidence across Countries, Cities and Neighborhoods* (with S. Fevreira, G.M. Mahumane and J. Tijm)

Urban form and Motorcylce Choice in Asia. Evidence from the City of Yogyakarta (with S. Fevreira)
On the Urbanization of Energy Poverty. Evidence from Mozambique (with G.M. Mahumane)
What determines diversity and specialization patterns across cities? Evidence from Spain (with J. Díaz Lanchas and R.J.G.M. Florax)
Urban Settlement in the United States: Birth, Location and Growth of Incorporated Places (with E. Dobis, M. Delgado and R.J.G.M. Florax)

Citations

ISI: 401 (h-index=11); Google Scholar: 1323 (h-index=19). July 2018

Teaching

Courses

2016 –	The City	University of Amsterdam
2016 –	Economic Ethics	Vrije Universiteit Amsterdam
2013 –	Research Seminar Spatial Economics	Vrije Universiteit Amsterdam
2013 – 2016	Sustainable City	University College Amsterdam
2011 –	Urban Economics	Vrije Universiteit Amsterdam
2011 –	Microeconomics	Vrije Universiteit Amsterdam
2011 – 2012	Urban Economics	University College Amsterdam
2011	International Economic Development	Purdue University, USA
2007 – 2016	Regional Economics	Vrije Universiteit Amsterdam
2007	Environmental Economics	Catholic University Mozambique (UCM), Beira

Management

2013 –	Coordinator of the minor Spatial Economics at Vrije Universiteit Amsterdam
2015 – 2017	Educational Committee, Earth & Economics program at VU Amsterdam, chairman
2013 – 2016	Board of Examiners at University College Amsterdam, member
2008 – 2015	Educational Committee, Earth & Economics program at VU Amsterdam, member

Qualifications

2008	University Teaching Qualification (BKO), Vrije Universiteit Amsterdam
2018	Senior Teaching Qualification (SKO), Vrije Universiteit Amsterdam

Selected consultancy and applied economic research

2009 – 2012	Training LEAP Energy Planning System, Ministry of Energy (ME) Mozambique Update Energy Statistics Mozambique, ME & Eduardo Mondlane University Mozambique
2007	<i>Draft Strategy for the Energy Sector in Mozambique</i> , ME Mozambique <i>Energy Outlook for Mozambique</i> , Ministry of Planning and Development (MPD) Mozambique (DNEAP Discussion Paper No.53E.) <i>Exploring Natural Resources in Mozambique. Will it be a blessing or a curse?</i> MPD Mozambique (DNEAP Discussion Paper No.54E. (with A. Bucuane))
2006	<i>Energy Statistics 2006</i> , ME Mozambique <i>Energy Statistics 2000-2005</i> , ME Mozambique <i>Exploring an Electricity Tax on Mega Projects in Mozambique</i> , MPD Mozambique (DNEAP Discussion Paper No.37E. (with A. Bucuane)) <i>Rural Electrification in Mozambique</i> (a Cost-Benefit Analysis), MPD Mozambique (DNEAP Discussion Paper No.36E. (with J. Tembe))
2005	<i>Impact of the Oil Price Increase on the Mozambican Economy</i> (in Portuguese), MPD Mozambique (DNEAP Discussion Papers No.19P. (with C. Arndt, L. Matsinhe, E. Paulo and J.E. Van Dunem))

PhD students

Co-Supervision	Jessie Bakens (defended 2016), Gilberto Mahumane (expected defense 2019), Isfandiarni Soenarto Rosidin (expected defense 2019), Sotya Fevreira (expected defense 2019)
Committee	Haroon Sheikh (2012, VU Amsterdam), Elizabeth Dobis (2017, Purdue University, USA)

Grants

- 2016 The Netherlands Organisation for Scientific Research (NWO) / ERA-NET Cofund Smart Cities and Communities (ENSCC) – “Urban form, location choice and transport solutions for low-carbon cities”.
- 2013 Royal Academy of Arts and Sciences (KNAW) – SPIN project “Local and Regional dimensions in Indonesia’s social and economic development; a governance approach”.
- 2003 NWO Grant Research Fellowship IIASA (6 months)