

Curriculum Vitae Edwin van der Werf

Personal information

Name: Eduard Hubertus (Edwin) VAN DER WERF
Date of birth: July 10, 1975
Citizenship: Dutch
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Education

2008 *Ph.D. in economics*, Tilburg University, CentER (the Netherlands). Dissertation: 'Climate policy and economic dynamics: the role of substitution and technological change'. Supervisors: Sjak Smulders and Henk Folmer
2005 Netherlands Network of Economics (NAKE), *diploma*
2000 Graduate Course Financial Economic Policy Making (Beroepsopleiding Financieel Economisch Beleidsmedewerker, BOFEB), the Netherlands, *diploma*
1999 *MSc. in economics*, Erasmus University Rotterdam (the Netherlands)

Professional experience

Since 2011 Wageningen University, Wageningen, the Netherlands, *Assistant Professor* (tenured since April 2017)
Since 2009 CESifo, Munich, Germany, *Research Network Fellow*
Since 2015 Wageningen School of Social Sciences, Wageningen, the Netherlands, *Fellow*
2009 – 2011 PBL Netherlands Environmental Assessment Agency (Planbureau voor de Leefomgeving), Bilthoven, the Netherlands; *research economist*
2007 – 2009 University of Oldenburg, Oldenburg, Germany; Department of Economics and Statistics, *post-doctoral researcher with teaching load of 4 hours per week*
2006 – 2007 Kiel Institute for the World Economy (Institut für Weltwirtschaft), Kiel, Germany; Climate and Energy Group, *research economist*
2005 – 2006 Tilburg University, Tilburg, the Netherlands; Department of Economics, *lecturer (part time)*
2000 – 2001 Department for Social Affairs and Employment, The Hague, the Netherlands; Research and Analysis unit, *policy economist*

Research interests

Environmental and resource economics; economics of climate change; economics of forest carbon sequestration;

Publications in international, peer-reviewed journals

- Jiang, Y., E. van der Werf, K.J. Keesman and E.C. van Ierland, 'The potential role of waste biomass in the future urban electricity system', *Biomass and Bioenergy*, 2017, 107, pp.182-190
- Di Maria, C., S. Smulders and E. van der Werf, 'Climate policy with tied hands: optimal resource taxation under implementation lags', *Environmental and Resource Economics*, 2017, 66(3), pp.537-551
- Brink, C., H. Vollebergh, and E. van der Werf, 'Carbon Pricing in the EU: Evaluation of Different EU ETS Reform Options', *Energy Policy*, 2016, 97, pp.603-617
- Indrajaya, Y., E. van der Werf, H.-P. Weikard, F. Mohren, and E.C. van Ierland, 'The Potential of REDD+ for Carbon Sequestration in Tropical Forests: Supply Curves for Carbon Storage for Kalimantan, Indonesia', *Forest Policy and Economics*, 2016, 71, pp.1-10
- Ingram, V., E. van der Werf, E. Kikulwe, and J. Wesseler, 'Evaluating the impacts of plantations and associated forestry operations in Africa – methods and indicators', *International Forestry Review*, 2016, 18(1), pp.44-55
- Vollebergh, H., and E. van der Werf, 'The role of standards in eco-innovation: lessons for policy makers', *Review of Environmental Economics and Policy*, 2014, 8 (2), pp.230-248
- Di Maria, C., I. Lange, and E. van der Werf, 'Should we be worried about the green paradox? Announcement effects of the Acid Rain Program', *European Economic Review*, 2014, 69, pp.143-162
- Böhringer, C., A. Keller and E. van der Werf, 'Are green hopes too rosy? Employment and welfare impacts of renewable energy promotion', *Energy Economics*, 2013, 36, pp.277-285
- Van der Werf, E., and C. Di Maria, 'Imperfect environmental policy and polluting emissions: the Green Paradox and beyond', *International Review of Environmental and Resource Economics*, 2012, 6, pp.153-194
- Di Maria, C., S. Smulders and E. van der Werf, 'Absolute abundance and relative scarcity: environmental policy with implementation lags', *Ecological Economics*, 2012, 74, pp.104-119
- Van der Werf, E., and S. Peterson, 'Modeling linkages between climate policy and land use: an overview', *Agricultural Economics*, 2009, 40, pp.507-517
- Van der Werf, E., 'Production functions for climate policy modeling: an empirical analysis', *Energy Economics*, 2008, 30(6), pp.2964-2979
- Smulders, S., and E. van der Werf, 'Climate policy and the optimal extraction of high- and low-carbon fossil fuels', *Canadian Journal of Economics*, 2008, 41(4), pp.1421-1444
- Di Maria, C., and E. van der Werf, 'Carbon leakage revisited: unilateral climate policy and directed technical change', *Environmental and Resource Economics*, 2008, 39(2), pp.55-74

Other peer reviewed publications

- Di Maria, C., I. Lange and E. van der Werf, 'Going full circle: demand-side constraints to the green paradox' (2014), chapter 10 in Karen Pittel, Rick van der Ploeg and Cees Withagen (eds.), *Climate Policy and Exhaustible Resources –The Green Paradox and Beyond*, Cambridge (MA): MIT Press
- Di Maria C., T.O. Michielsen and E. van der Werf (2013), 'Carbon Leakage'. In: J.F. Shogren (ed.) *Encyclopedia of Energy, Natural Resource, and Environmental Economics*, Vol. 2, pp. 255-259. Amsterdam: Elsevier

Other publications

- Van der Werf, E., 'De relatie tussen standaarden en eco-innovatie', position paper for Netwerk Groene Groei, 2016
- Di Maria, C., I. Lange and E. van der Werf, 'Imperfect climate policy unlikely to increase domestic emissions', VoxEU.org, 2013, January 6
- Van der Werf, E., 'Moet Nederland inzetten op een versnelde transitie naar groene stroom?', *Economisch Statistische Berichten*, 2012, 97 (4643), p.556
- Van der Werf, E.H., H.R.J. Vollebergh and J.A. Oude Lohuis (2010), 'Energie en klimaat: meer met minder', chapter 8 in C.A. de Kam, J.H.M. Donders and A.P. Ros (eds.), *Miljardendans in Den Haag: over bezuinigingen en belastingen*, Sdu Uitgevers, The Hague
- Vollebergh, H., E. van der Werf and J. Oude Lohuis, 'Heroverwegingen energie en klimaat', *Tijdschrift voor Openbare Financien*, 2010, 42(2), pp.163-172

Work in progress

- 'Evaluation of climate change adaptation alternatives for smallholder farmers in the upper Blue-Nile Basin', with Yalemzewd Nigussie, Ekko van Ierland, Xueqin Zhu and Belay Simane. Invited to revise and resubmit to *Ecological Economics*
- 'Capital-labour-energy substitution in a nested CES framework: a replication and update of Kemfert (1998)', with Arne Henningsen and Geraldine Henningsen. Invited to revise and resubmit to *Energy Economics*
- 'Private capital, public goods: forest plantations' investment in local infrastructure and social services in rural Tanzania', with Mohammed B. Degnet, Verina Ingram and Justus Wesseler. CESifo Working Paper No. 6690. Submitted
- 'Logging damage and injured tree mortality in tropical forest management"', with Yonky Indrajaya, Ekko van Ierland, and Frits Mohren. Submitted
- 'Optimal management of a tropical forest under carbon price risk'
- 'The price elasticity of US coal supply and demand', with Ian Lange, Erwin Hofman and Jeroen Klomp
- 'Eco-labeling in the Dutch lodging sector', with Eelco Buunk
- 'Social, economic and health impacts of mercury use in small-scale mining in Tanzania: an overview', with Silke Gabbert, Emmanuel Nyankweli, Chizu Sato, Annemarie Wagemakers, Carlijn Wentink
- 'Low-carbon cities and carbon markets in Southeast Asia: lessons from Thailand', with Mattijs Smits

Award

- Wageningen Social Sciences Award 2015 for the Best WASS (Wageningen School of Social Sciences) Publication, for Di Maria, C., I. Lange and E. van der Werf, 'Should we be worried about the green paradox? Announcement effects of the Acid Rain Program', *European Economic Review*, 2014, 69, pp.143-162

Teaching qualifications

University Teaching Qualification (UTQ, Basiskwalificatie Onderwijs BKO), 2015.

Certificate of didactic competence for teachers in scientific and academic education, mutually recognized by all Dutch universities. It includes the following courses:

- General course on teaching and learning (9 day course)
- Designing a course that uses IT (20 hour module)
- Designing exams (2 day course)
- Teaching and supervising thesis students (2 day course)
- Lecturing (2.5 day course)
- Practical assignments (total study load 10 days) on (1) 'Research and analysis of your course at degree programme level (meso level)' and (2) 'Observation and reflection on implementing your teaching'.

Teaching experience

- *Principles of Climate Change Economics*, course for BSc and MSc students in environmental and natural sciences (in English), 2011-2017
- *Climate Governance*, course for MSc students Climate Studies and other environmental and natural sciences (in English), 2015-2017
- *Public Sector Economics*, course for BSc students in Economics and Governance (in Dutch), 2012-2017
- *Environmental Policy Instruments*, course for BSc students Environmental Sciences (in English), 2017
- *Environmental Economics in Practice*, course for BSc students in Economics and Governance (in English), 2016
- *Environmental Policy and Economics Part 1*, lectures and paper supervision (thesis preparation course) for BSc students in environmental sciences (in English), 2011-2013
- *Environmental Economics for Environmental Sciences*, course for MSc and BSc students in environmental and natural sciences (in English), 2011
- *GAMS for Environmental-Economic Modeling*, computer tutorials for MSc course 'Theories and models in environmental economics' (in English), 2011
- *Economic Policy*, course for MSc students in Economics and Law (in English), 2007-2009
- *Economics of Climate Change*, course for MA in Sustainability Economics and Management (in English), 2008
- *Energy Security*, seminar Environmental Economics, BA level (in English), 2008
- *Microeconomics*, course for undergraduate students in economics (in English), 2005
- *Microeconomics*, tutorials for undergraduate students in economics (in Dutch), 2003-2006

Presentations

- 2017: BIOECON 19, Tilburg, the Netherlands. 5th Workshop on Age-Structured Models in Natural Resource Economics, Hohwacht, Germany.
- 2016: Netwerk Groene Groei, The Hague, the Netherlands. 17th Global Conference on Environmental Taxation, Groningen, the Netherlands.
- 2015: Wageningen University, the Netherlands (2x). BIOECON 17, Cambridge, UK. CESifo Area Conference on Energy and Climate Economics, Munich, Germany.
- 2014: University of Oldenburg, Germany. 5th World Congress of Environmental and Resource Economists, Istanbul, Turkey.
- 2013: PBL Netherlands Environmental Assessment Agency, the Netherlands.
- 2012: Wageningen University, the Netherlands.
- 2011: University of Groningen, the Netherlands. CESifo Area Conference on Energy and Climate Economics, Munich, Germany. Wageningen University, the Netherlands.
- 2010: 4th World Congress of Environmental and Resource Economists, Montreal, Canada. Sustainable Resource Use and Economic Dynamics SURED 2010; Ascona, Switzerland.
- 2009: CESifo Area Conference on Energy and Climate Economics, Munich, Germany. Annual conference of the European Association of Environmental and Resource Economists; Amsterdam, the Netherlands. University of Groningen, the Netherlands. CPB Netherlands Bureau for Economic Policy Analysis. University of Oldenburg, Germany.
- 2008: Annual conference of the Verein für Socialpolitik (German Economic Association), Graz, Austria. Annual conference of the European Association of Environmental and Resource Economists; Gothenburg, Sweden. Sustainable Resource Use and Economic Dynamics SURED 2008; Ascona, Switzerland. Tilburg University, the Netherlands.
- 2007: Annual conference of the Verein für Socialpolitik (German Economic Association); Munich, Germany. University of Oldenburg, Germany. Annual conference of the European Association of Environmental and Resource Economists; Thessaloniki, Greece.
- 2006: Kiel Institute for the World Economy (Institut für Weltwirtschaft), Kiel, Germany. Sustainable Resource Use and Economic Dynamics SURED 2006; Ascona, Switzerland. Tilburg University, the Netherlands.
- 2005: Annual conference of the Canadian Resource and Environmental Economics Study Group; Montréal, Canada. Annual conference of the European Association of Environmental and Resource Economists; Bremen, Germany. Annual conference of the Swiss Society of Economics and Statistics; Zürich, Switzerland. European Network for Training in Economic Research (ENTER) Jamboree; Brussels, Belgium.
- 2004: Netherlands Network of Economics (NAKE) Research Day; Amsterdam, the Netherlands. Tilburg University, the Netherlands.

Ph.D. supervision

- Yonky Indrajaya (in progress)
- Mohammed Degnet (in progress)
- Yu Jiang (in progress)
- Rishi Basak (external candidate, in progress)

Ad hoc referee for (since 2011 only):

- *Journals:* Agricultural Economics, B.E. Journal of Economic Analysis and Policy, Climate Policy, Climatic Change, Ecological Economics, Energy Economics, Energy Journal, Environmental and Resource Economics, International Review of Environmental and Resource Economics, Journal of Economic Dynamics and Control, Journal of Economics and Statistics, Journal of Economic Surveys, Journal of Environmental and Economics and Management, Letters in Spatial and Resource Sciences, Resource and Energy Economics, Sustainability
- *Other:* German Federal Ministry of Education and Research (BMBF), Wageningen School of Social Sciences

Languages

Dutch (native), English (fluent), German (good)