

# Curriculum Vitae Edwin van der Werf

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## Personal information

Name: Eduard Hubertus (Edwin) VAN DER WERF  
Date of birth: July 10, 1975  
Citizenship: Dutch  
Address: PBL Netherlands Environmental Assessment Agency  
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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 2022 PBL Netherlands Environmental Assessment Agency (Planbureau voor de Leefomgeving), The Hague, the Netherlands, *scientific staff member*  
2020-2022 Wageningen University, Wageningen, the Netherlands, *Associate Professor* (tenured)  
2011-2020 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; *scientific staff member*  
2007 – 2009 University of Oldenburg, Oldenburg, Germany; Department of Economics and Statistics, *post-doctoral researcher*

### **Professional experience (continued)**

2006 – 2007	Kiel Institute for the World Economy (Institut für Weltwirtschaft), Kiel, Germany; Climate and Energy Group, <i>scientific staff member</i>
2005 – 2006	Tilburg University, Tilburg, the Netherlands; Department of Economics, <i>lecturer (part time)</i>
2000 – 2001	Department for Social Affairs and Employment, The Hague, the Netherlands; Research and Analysis unit, <i>policy economist</i>

### **Research interests**

Environmental and resource economics; economics of climate change; climate policy; policy instruments; ex ante policy evaluation; ex post policy evaluation

### **Publications in international, peer-reviewed journals**

- Helmers, V., and E. van der Werf, 'Did the German aviation tax have a lasting effect on passenger numbers?', *Transportation Research Part D: Transport and Environment*, 2025, 140, 104570
- Indrajaya, Y., H.-P. Weikard, F. Mohren, and E. van der Werf, 'Paying for forest carbon: Cost-effectiveness of the Verified Carbon Standard (VCS) remuneration scheme', *Natural Resource Modeling*, 2023, 37(1), e12387
- Vollebergh, H., J. Vogel and E. van der Werf, 'A descriptive framework to evaluate instrument packages for the low-carbon transition', *Ecological Economics*, 2023, 205, 107717
- Degnet, M., E. van der Werf, V. Ingram and J. Wesseler, 'Community perceptions: comparative analysis of community participation in forest management: FSC-certified and non-certified plantations in Mozambique', *Forest Policy and Economics*, 2022, 143, 102815
- Degnet, M., E. van der Werf, V. Ingram and J. Wesseler, 'Do locals have a say? Community experiences of participation in governing forest plantations in Tanzania', *Forests*, 2020, 11, 782
- Henningsen, A., G. Henningsen and E. van der Werf, 'Capital-labour-energy substitution in a nested CES framework: a replication and update of Kemfert (1998)', *Energy Economics*, 2019, 82, pp.16-25
- Van der Werf, E., Y. Indrajaya, E.C. van Ierland and F. Mohren, 'Logging damage and injured tree mortality in tropical forest management', *Natural Resource Modeling*, 2019, 32: e12210
- Basak, R., and E. van der Werf, 'Accountability in International Climate Change Financing', *International Environmental Agreements: Politics, Law and Economics*, 2019, 19, pp.297-313
- Buunk, E., and E. van der Werf, 'Adopters vs non-adopters of the Green Key ecolabel in the Dutch accommodation sector', *Sustainability*, 2019, 11, 3563
- Degnet, M., E. van der Werf, V. Ingram and J. Wesseler, 'Forest plantations' investments in social services and local infrastructure: An analysis of private, FSC certified and state-owned, non-certified plantations in rural Tanzania', *Land Use Policy*, 2018, 79, pp.68-83

### **Publications in international, peer-reviewed journals (continued)**

- Nigussie, Y., E. van der Werf, E. van Ierland, X. Zhu and B. Simane, 'Evaluation of climate change adaptation alternatives for smallholder farmers in the upper Blue-Nile Basin', *Ecological Economics*, 2018, 151, pp.142-150
- 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., B. Hof, T. Kisters, V. Linderhof and R. Michels, 'Analysekader doeltreffendheid en doelmatigheid van stikstof- en natuurbeleid. Monitoring en evaluatie van het Programma Stikstofreductie en Natuurverbetering', 2024, Den Haag: Planbureau voor de Leefomgeving, Wageningen: Wageningen University & Research
- 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](https://www.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 Financiën*, 2010, 42(2), pp.163-172

### **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 (total study load 30 days).

### **Teaching experience, course-based**

- *Public Sector Economics*, course for BSc students in Economics and Governance (in Dutch), 2012-2022
- *Economics and Governance of Energy Transitions*, course for BSc students in Economics and Governance, 2020, 2021
- *Economics of the Energy Transition*, lecture for Amsterdam Summer School 'The Global Energy Transition in a Fossil World' (in English), Vrije Universiteit Amsterdam, the Netherlands, July 2019, July 2020, July 2021
- *Climate Governance*, course for MSc students Climate Studies and other environmental and natural sciences (in English), 2015-2020
- *Introduction to Climate Change in a Global Change Context*, course for MSc students Climate Studies (in English), 2019
- *Environmental Policy Instruments*, course for BSc students Environmental Sciences (in English), 2017-2019
- *Applied models of tropical forest management and forest carbon sequestration*, lectures for the Moscow Winter Academy 'Age-structured modelling and management of biological and economic resources' (in English), Lomonosov Moscow State University, Russian Federation, February 2018
- *Principles of Climate Change Economics*, course for BSc and MSc students in environmental and natural sciences (in English), 2011-2017
- *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

### **Teaching experience, theses**

Supervised dozens of BSc and MSc theses and internships at Wageningen University 2011-2022, in various study programs.

## **Presentations**

- 2024: Annual conference of the European Association of Environmental and Resource Economics, Leuven, Belgium.
- 2023: Utrecht School of Economics, Utrecht, the Netherlands. 24<sup>th</sup> Global Conference on Environmental Taxation, Paris, France.
- 2022: Kiel Institute for the World Economy, Kiel, Germany, online.
- 2021: BIOECON 23, online. 22<sup>nd</sup> Global Conference on Environmental Taxation, online.
- 2019: Annual conference of the European Association of Environmental and Resource Economists, Manchester, UK.
- 2018: Workshop Moscow Winter Academy 'Age-structured modelling and management of biological and economic resources', Lomonosov Moscow State University, Russian Federation.
- 2017: BIOECON 19, Tilburg, the Netherlands. 5<sup>th</sup> Workshop on Age-Structured Models in Natural Resource Economics, Hohwacht, Germany.
- 2016: Netwerk Groene Groei, The Hague, the Netherlands. 17<sup>th</sup> 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. 5<sup>th</sup> 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: 4<sup>th</sup> 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.

**Presentations (continued)**

- 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, completed**

- Mohammed Beshar Degnet (with Justus Wesseler and Verina Ingram, 2021)
- Yonky Indrajaya (with Hans-Peter Weikard and Frits Mohren, 2022)
- Rishi Basak (with Katrien Termeer and Sylvia Karlsson-Vinkhuyzen, 2023)

**Ph.D. supervision, in progress**

- Tesfahun Alemayehu Belew (with Francisco Alpízar and Silke Gabbert)

**Ad hoc referee for (selection):**

- *Journals:* Ecological Economics, Energy Economics, Energy Journal, Environmental and Resource Economics, European Economic Review, International Review of Environmental and Resource Economics, Journal of Applied Economics, Journal of Economic Behavior & Organization, Journal of Economic Surveys, Journal of Environmental and Economics and Management, Regional Environmental Change, Resource and Energy Economics, Sustainability
- *Other:* Wageningen School of Social Sciences, Annual conference of the European Association of Environmental and Resource Economists

**Languages**

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