

Curriculum Vitae Bart Wesselink



I am Bart Wesselink, born in Dalfsen (the Netherlands) on 19 September 1964. I am happily married with Annet Roodenburg and we have 2 sons: Tim (27) and Koen (24). We live at Koppelweg 60, 3704 GJ in Zeist. You can reach me on my mobile number (06-52173250) or email (bart@bwesselink.nl).

Short Biography

My activities: I am very experienced in leading major projects that integrate partial knowledge in the areas of environment, climate and energy. These projects helped governments, industry or NGO's to initiate, implement or evaluate policies. Off-work, I acted several years as chairman of the board of seven primary schools in my hometown Zeist. From 2010 until 2018, I chaired the elder board of the 'Oosterkerk' church in Zeist.

My skills & competencies: My curiosity has made me connect regularly to new topics, clients and networks. I find great pleasure in connecting with various audiences, including student classes. Presenting in an original, well balanced and therefore effective way is one of my key assets. My clients and colleagues characterize me as 'dedicated and cooperative team worker' with a 'creative and personal touch'. In my role as chairman I aim to contribute to transparent and forward looking organisations.

My background: I studied soil science at Wageningen Agricultural University (cum laude) and received a PhD degree on 'Long-term changes in the soil chemistry of European forests due to soil acidification'. The first one-and-half years of my PhD research I worked at the University of Göttingen in Germany. My use of the German language is still profiting from this period.

My career: At the National Institute of Public Health and the Environment (RIVM), the Netherlands Environmental Assessment Agency (PBL), Ecofys consultancy and the World Wide Fund for Nature (WWF Netherlands), my work has covered a wide variety of topics such as assessing the risks of re-use of waste materials, scenario modelling and policy evaluation and advice in areas such as soil, water, energy and 'cleantech'. I took on different roles in my career: the specialized researcher (chemistry of soils and waste materials, energy policies), the integrator of knowledge (see e.g. publications 1-6 and 9) and the role of stakeholder/lobbyist at WWF. Since 2014 I'm working as an independent advisor, researcher & teacher at Bart Wesselink | simplified sustainability.

Sports: running (in winter) and cycling (in summer) is my way of 'shutting down' and relaxing.

Professional career

- 2014 - Bart Wesselink | simplified sustainability (advisor, researcher, lecturer)
(www.bwesselink.nl)
- 2011 – 2013 Senior climate & energy expert at World Wildlife Fund Netherlands (WNF)
- 2007 - 2011 Senior consultant at consultancy firm Ecofys Netherlands bv. (www.ecofys.com)
- 2005 – 2007 Programme manager 'European sustainability' at the Netherlands Environmental Assessment Agency, Netherlands (www.pbl.nl)
- 1993 – 2005 Researcher & project leader at the National Institute for Public Health and the Environment, Netherlands (www.rivm.nl)
- 1989 – 1993 PhD researcher at Wageningen University and the University of Göttingen (Germany)
- 1989 Researcher at Wageningen Agricultural University

Education

- 1989 – 1993 PhD at Wageningen Agricultural University, Netherlands and University of Göttingen, Germany (Forschungszentrum für Waldökosysteme und Waldsterben)
- 1986 6 months traineeship at Cornell University, Ithaca, NY (prof. M.B. McBride)
- 1982 – 1988 MSc in Soil Science at Wageningen Agricultural University (cum laude). For my thesis, I received the 'Hissink' price of the Dutch Soil Association (NBV).
- 1976 – 1982 Athenaeum at college Noetsele, Nijverdal

Key Assignments

Bart Wesselink |simplified sustainability

- Friends of the Earth Netherlands (Milieudefensie) is developing the new concept of a Just Transition in the Netherlands. From mid-2017 until mid-2019 I supported FoE in this development (fulltime).
- Assessing the impacts of global land degradation. Supporting the Netherland Environmental Assessment Agency in writing a policy brief for the United Nations convention to combat desertification (UNCCD).
- Energy and climate policies of the municipality of Zandvoort: evaluation and outlook. An assignment for the court of audit ('Rekenkamer') of Zandvoort.
- The home market as a key for successful export of Dutch cleantech. For the Netherlands Environmental Assessment Agency.
- Green gains of industrial biotechnology. For the Dutch National Institute of Public Health and the Environment (RIVM).
- A 'heat roundabout' in the province of South Holland? Preparation of a workshop with regional stakeholders. For PBL Netherlands Environmental Assessment Agency.
- Teaching a one day course 'quantifying sustainability' for an international group of professionals with different backgrounds. An assignment for the Maastricht School of Management (MSM).

- A new Dutch policy instrument for energy savings in firms. A policy evaluation for the Dutch ministry of Infrastructure and Environment (together with Mirjam Harmelink consulting and Edwin Dalenoord, SQ consult).
- The transition to a bio-based and circular economy. How to stimulate high-value (re-)use of pure and non-toxic materials in the economy? Senior advisor sustainability to the National Institute of Public Health and the Environment (RIVM).
- The energy transition project in the province of Utrecht: What is the state of affairs? Which energy agenda will provide a 10% growth of renewable energy by 2020? A contract with the Nature and Environment Federation Utrecht (NMU).
- Teaching college students sustainability quantification in the agri-food chain. Developing and teaching two courses for the HAS Den Bosch University of Applied Sciences.

At WNF

- WNF's climate & energy strategy and activities. Building a broad network with Dutch key players in Dutch energy transition: cleantech firms (solar, wind, grid management), financiers (venture capital investors, banks), policy makers, industrial federations and NGO's.
- On behalf of WWF I was member of the core team of the NGO's/green business coalition that played a key role in establishing the Dutch 'Energy Agreement' (Energie Akkoord, signed in September 2013).

At Ecofys

- For the Dutch Ministry of Environment: NOx emissions trading (secondment at the ministry of VROM) | Technical support on EU emissions trading (EU-ETS)| Developing and leading a summer school on EU-ETS, for Dutch civil servants of the ministries of Environment and Economic affairs.
- For the European Cement Association (CEMBUREAU): Ex-ante evaluation of the impact of NOx & SO2 emissions trading on EU cement sector.
- For the European Commission: Greenhouse gas emissions reductions potentials and costs | Development of EU-ETS phase-III allocation methodology.
- For the International Federation of Industrial Energy Consumers (IFIEC Europe): Review of ETS allocation method developed by IFIEC.
- For the European Climate Foundation (ECF): Energy Savings 2020 study.
- For the Regulatory Assistance Project (RAP): Energy Savings 2020 study | Assessment of EU-wide required upfront investments for doubling energy savings.
- For the Institute for Industrial Productivity (IIP) (www.iipnetwork.org): Development of methodology for evaluating energy savings policy packages for industry.

At National Environment Assessment Agency (PBL and RIVM)

- Projectleader Outstanding Environmental Issues (2004).
- Projectleader Environmental Balance 2002 and 2003

Other activities (selection)

- Member of ad hoc committee 'Energietransitie en werkgelegenheid'. Social and Economic Council (SER) (2018).
- I participated as an international expert and panellists on environmental sustainability in a series of forums organised throughout New Zealand by Morgan Williams, New Zealand's Parliamentary Commissioner for the Environment (<http://www.pce.parliament.nz/>) (2005).
- Regularly (once or twice a year) I give lectures at the University (Utrecht, IVM-Amsterdam) on topics such as policy evaluation and most recently EU-ETS. (2005-2011)

Off-work activities

- Advisory board 3Devo (Materials Made Simple) (www.3devo.com)
- Chair of the elder board of the Oosterkerk in Zeist (www.oosterkerkzeist.nl) (2010-2018)
- Member (chairman from 2003 on) of the board of seven Protestant primary schools in Zeist, the Netherlands (www.cbozeist.nl). (1999-2007)

Presentations

Selection

1. Wat is belangrijker: klimaatverandering of gezonde voeding? 10 mei 2019. HAS Den Bosch
2. Een rechtvaardig klimaatbeleid, Nederlandse ervaringen. Stichting Arbeid en Milieu, Brussel. 14 maart 2019.
3. Klimaatrechtvaardigheid. SP conferentie, 26 oktober 2018
4. Evidence based scenarios for a just and inclusive energy transition. Presentation at the 10th annual national environmental congress. 11-13th december 2017, Benin City, Nigeria.
5. Synthetic biology for a sustainable production of oil and proteins from algae. Symposium: industrial biotechnology – preferred supplier of biobased products? (Rathenau institute, iGEM and RIVM, 7 september 2015).

Publications

Recently

1. Wesselink, B., Pols, D., Oulahsen, F. (2018). Succesvol Klimaatakkoord vraagt gedurfde instrumenten. [ESB](#) Jaargang 103 (4768) 20 december 2018
2. [Klimaatdividend](#) voor Eerlijk Omschakelen (2018). Milieudefensie.
3. Eerlijke verdeling van [Lusten en Lasten](#) van het klimaatbeleid (2018). Milieudefensie.
4. Evidence supporting a [Just Energy Transition](#) (2018)
5. Het belang van een thuismarkt voor de export van eco-innovaties – inzichten uit de praktijk (2016). [Beleidsrapport 2253](#). Planbureau voor de Leefomgeving. Alexander van Vooren en Bart Wesselink.
6. Het belang van een thuismarkt voor de export van eco-innovaties – inzichten uit de praktijk (2016). [Vijf essays](#): Veredeling van tuinbouwzaad en pootgoed; Technologie voor windenergie; Technologie voor waterzuivering; Zon-PV technologie; Technologie voor scheiding en verwerken van vast afval. Bart Wesselink en Alexander van Vooren.

7. Evaluating the potential impact of the introduction of an energy performance assessment (EPK) in the Dutch industry (2016). Mirjam Harmelink, Bart Wesselink, Edwin Dalenoord. ([IEPPEC conference paper](#)).
8. [Green Deal EPK Pilot](#): Evaluatie van de negen pilotprojecten (2015). Bart Wesselink, Mirjam Harmelink, Edwin Dalenoord.
9. Website www.metenvanduurzaamheid.nl (content and draft infographics)
10. Plastics met gevaarlijke stoffen: recyclen of verbranden? (2016) Janssen MPM, Spijker J, Lijzen JPA, Wesselink LG. RIVM Rapport 2015-0163.

2011-2013¹

11. Clean Economy, Living Planet. The race to the top of Global Clean Energy Technology Manufacturing 2012. Roland Berger Strategy Consultants.
12. Banen en economische waarde van 16 procent duurzame energie in 2020 in Nederland (2013). EcoRys.

2007-2011

13. The Energy report. 100% renewable energy by 2050. WWF/Ecofys (2011) (principle reviewer)
14. An exploration of possible design options for a binding energy savings target in Europe. Energy efficiency, 7 (1), (pp. 97-113) (17 p.). Robert Harmsen, Wolfgang Eichhammer, Bart Wesselink. Imbalance in Europe's Effort Sharing Decision: scope for strengthening incentives for energy savings in the non-ETS sectors. Energy Policy, Volume 39, issue 10 (October, 2011), p. 6636-6649. Robert Harmsen, Wolfgang Eichhammer, Bart Wesselink.
15. The unrecognized contribution of renewable energy to Europe's energy savings target (2011). Energy Policy. Volume 39, Issue 6. Pages 3425-3433. Robert Harmsen, Bart Wesselink, Wolfgang Eichhammer and Ernst Worrell.
16. The boardroom perspective: How does energy efficiency policy influence decision making in industry? (2011) Key contribution to: IEA/IIP Information paper.
17. The need to triple the impact of Energy Saving Policies in Europe (2011). B. Wesselink & R. Harmsen. Modern Energy Review, Volume 3, Issue 2 (pg 6-9).
18. The upfront investments required to double energy savings in the European Union in 2020 (2011). B. Wesselink, K. Blok, W. Eichhammer (Fraunhofer ISI) and T. Boermans.
19. A 30% emission reduction by 2020? It would pay for itself (2010). B. Wesselink, Y. Deng and R. de Vos. Energy World, march 2010.
20. Energy Savings 2020. How to triple the impact of Energy Saving Policies in Europe. Ecofys & Fraunhofer (2010).
21. SERPEC: Sectoral Emission Reduction Potentials and Economic Costs for Climate change (2009) B. Wesselink and Y. Deng.
22. The ETS-paradox. EU Emissions Trading for NOx and SO2: consequences for the European cement sector (2010). B. Wesselink, A. Smit (EmissionCare), T. van Melle.
23. EU climate policy impact in 2020. With a focus on the effectiveness of emissions trading policy in an economic recession scenario (2009). W. Graus, U. Sreenivasamurthy, B. Wesselink.

¹¹ reports 6 and 7 are shown because as the client I was strongly involved in design, finalization and outreach of these studies.

24. Organisation of a CO2 infrastructure in the Netherlands. Towards realization of Carbon Capture and Storage (in Dutch) (2008). S Hagedoorn, E. van de Brug, E. Bloomen, B. Wesselink, M. Vosbeek and C. Hendriks.
25. Development of a methodology for compensation for indirect emissions in the non-ferrous metals industry – using aluminum production as an example (2008) S. Klaus, B. Wesselink & S. Wartmann.
26. Technical support to Dow Chemical Ibérica, S.L. for the assessment of existing allocation of allowances for 2008-2012 (report in Spanish) (2008). M.Torres, A. Gilbert, B. Wesselink, N. Valero, F. van Dellen.
27. The IFIEC method for the allocation of CO2 allowances in the EU emissions trading scheme (2008). B. Wesselink, S. Klaus, A. Gilbert, K. Blok.

2004-2007

28. Measurement Beyond GDP. Background paper for the conference Beyond GDP (2007). B. Wesselink, J. Bakkes, A. Best and F. Hinterberger. Measuring progress, true wealth, and the well-being of nations. 19-20 November 2007.
29. EU 2020 climate target: 20% reduction requires five-fold increase in impact of CO2 policies (2007). Wesselink, L.G., J. Vis & H. Eerens. MNP report no. 500094007.
30. The consequences of the European Soil Framework Directive for Dutch policy (2007). Wesselink, L.G., J.G.M. Notenboom and A. Tiktak. MNP Report no. 500094003.
31. Tool use in integrated assessments - Integration and synthesis report for the SustainabilityA-Test project (2006). Lotze-Campen, H., M.M. Dijk, D. Gunther, M. van Herwijnen, N. Kasperczyk, R.P.M. Kemp, K. Knickel, O.J. Kuik, P. Martens, A. Matovelle, M. Nilsson, M. Patel, T. de Sousa Pedrosa, A. Guimaraes Pereira, A. von Raggamby, P. Schepelmann, K.H. Simon, J. Turnpenny, L.G. Wesselink – W. de Ridder (eds). Report no. 555030001 119 p en, 2006.
32. Halting the loss of biodiversity in the Netherlands (2006). Notenboom J., M. van Veen and L.G. Wesselink. MNP Report no. 500094001.
33. EU Sustainable Development Strategy: ingredients for the 2006 revision (2006). De Ridder, W. & L.G. Wesselink. MNP Report 500096001.
34. The impact of Euro 5: facts and figures (2006). Wesselink, L.G., E. Buijsman & J.A.A Annema. MNP report 500043002.
35. Aviation in the EU Emissions Trading Scheme: a first step towards reducing the impact of aviation on climate change (2005). Tuinstra, W., W. de Ridder, L.G. Wesselink, A. Hoen, J. Bollen & J. Borsboom. MNP report 500043001/2005.
36. Europees milieu langs de meetlat (2005). R. Folkert, B. Wesselink en R. Koelemeijer. Arena, nr. 7:14-15.
37. Meer energiebesparing: van inzicht naar incentives? (2005). H.E. Elzenga en L.G. Wesselink. Arena nr. 7.
38. How Member States use flexibility in EU directives (2005). Wesselink, L.G., J. Notenboom & M.W. van der Zouwen. Summary of MNP colloquium.

2000-2004

39. Outstanding Environmental Issues. RIVM and EEA (2004).

40. Milieu- en natuureffecten Hoofdlijnenakkoord kabinet Balkenende-2. RIVM (2003).
41. Milieubalans 2003. RIVM (2003).
42. Milieubalans 2002. RIVM (2002).
43. Landbouw en het landelijk gebied (2003). A. van Wezel, T. Rood en B. Wesselink. *Landschap: tijdschrift voor landschapsecologie en milieukunde* 4: 183-193.
44. Milieu- en natuurbeleid Balkenende-2, doelmatig maar risicovol (2003). L.G. Wesselink, W. Lammers, O-J van Gerwen en C. Brink. *Arena*, nr 6: 18-19.
45. Milieubeleid tussen Den Haag en Brussel (2003). *Arena* 4:6-7. L.G. Wesselink, A. Hanemaaijer en A. Slokker.
46. Model Effectiviteit Instrumenten – Energie (2003). Elzenga, H.E., L.G. Wesselink, J.P.M. Ros, R.F.J.M. Engelen, H. Booij, K. Blok en H.L.F. de Groot. RIVM Rapport 550000001/2003.
47. Actief milieubeleid essentieel voor blijvende ontkoppeling (2002). S. Kruitwagen, S., L.G. Wesselink en A. Hanemaaijer. *ESB* 4381:786-787.
48. Fysieke productieontwikkelingen in de industrie. Het gebruik van STREAM bij verkenningen (2001). Thomas, R, H.J.B.M. Mannaerts, H.E. Elzenga, V.P.C.F. Herzberg, L.G. Wesselink en M. Mulder. RIVM/CPB Rapport 778001004.
49. Protocol Monitoring Energiebesparing (2001). Boonekamp, P.G.M., W. Tinbergen, H.H.J. Vreuls en B. Wesselink. ECN-C--01-129.

Before 2000

50. A simple model of soil organic matter complexation to predict the solubility of aluminium in acid forest soils. Wesselink L.G., Breemen, N van, Mulder, J. & P.H. Janssen (1996) *European Journal of Soil Science*. Volume 47, Issue 3, pages 373–384.
51. Long-term changes in water and soil chemistry in spruce and beech forests, Solling, Germany Wesselink, L.G, K.J. Meiwes, Matzner, E. & Stein, A. (1995). *Environ. Sci. Technol.* 29, 51-58.
52. Modelling seasonal and long-term dynamics of anions in an acid forest soil, Solling, Germany. Wesselink, L.G., Mulder, J. and E. Matzner (1994). *Geoderma*, Volume 64, Issues 1–2, Pages 21–39.
53. Measuring and modeling mineral weathering in an acid forest soil, Solling, Germany. Wesselink, L. G., Grinsven, J. J. M. van and G. Grosskurth. (1994). In: *Quantitative modeling of soil forming processes*. Bryant, R.B and R.W Arnold (Eds). In: proceedings of a symposium sponsored by Divisions S-5 and S-9 of the Soil Science Society of America in Minneapolis, Minnesota, USA, 2 Nov. 1992. 1994 pp. 91-110.
54. Time trends and mechanisms of soil acidification (1994) Wesselink, L.G. PhD Thesis. Wageningen Agricultural University.
55. Chemical processes controlling the mobility of waste material contaminants in soils. Wesselink. L.G., Dekker, P.M. and T.G. Aalbers (1994). In: *Environmental aspects of construction with waste materials*. Goumans et al. (Eds). *Studies in Environmental Sciences* 60, Elsevier.
56. Modeling Nutrient and Moisture Cycling in Tropical Forests (1993). Noij, I.G.A.M., B.H. Janssen, L.G. Wesselink & J.J.M. van Grinsven. *Tropenbos Series* 4, The Tropenbos Foundation, Wageningen. 195 pp.
57. Simulation of the dynamics of nutrients and moisture in tropical ecosystems (1990). Janssen, B.H., Noij, I.G.A.M., Wesselink, L.G. & van Grinsven, J.J.M. *Fertilizer Research* 26, 145-156.

58. Chemisorption of Catechol on Gibbsite, Boehmite, and Noncrystalline Alumina Surfaces (1988).
McBride, M. B. & Wesselink, L.G. *Environ. Sci. Technol.* 22, 703-708.