

## Curriculum Vitae Anna Johanna Wesselink

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nationality: Dutch  
date of birth: 10 April 1963

### Key Qualifications

- Track record of over 10 years as interdisciplinary social scientist
- Theme: understanding the role of scientific expertise in environmental governance
- Focus: flood risk management and integrated water resources management
- Conceptual framework: interpretative policy analysis, social studies of science
- PhD at University of Twente, The Netherlands (2007): policy making as interweaving of expertise and interests Dutch flood risk management
- International professional experience as a hydrologist across Africa and Europe (1989-2001)
- Master Tropical Land and Water Management, Wageningen Agricultural University
- Languages: Dutch (mother tongue), English and French (fluent), German (passable)

### Grants and Awards

- 2011 EU Marie Curie Re-integration Grant *Enhancing Research Impact on Mitigation and Adaptation to Climate Change*
- 2007 EU Marie Curie Post-Doctoral Fellowship *Multi-level Governance of Natural Resources: Tools and Processes for Water and Biodiversity Governance in Europe*
- 2007 Deltares, the Netherlands, 6 months research grant
- 2003 Ministry for Public Works and Water Management, the Netherlands, PhD grant.

### Professional experience

*May 2015-present*

Project coordinator and senior researcher on the project [Hydro-social Deltas: Understanding flows of water and people in Bangladesh and the Netherlands \(funded by NWO/WOTRO Urbanizing Deltas\)](#) at UNESCO-IHE in Delft, The Netherlands.

*April 2013-July 2015*

Project coordinator and senior researcher on the SEMA project [www.sema-research.net](http://www.sema-research.net) at ITC Faculty of Geo-Information Science and Earth Observation, University of Twente. Reflexive management of SEMA as interdisciplinary boundary work between (internally) qualitative social scientists and computer scientists and (externally) SEMA and practice partners.

*June 2010 – March 2013*

Research fellow at the Sustainability Research Institute, University of Leeds, UK. Part-funded by the Higher Education Funding Council for England. Working with the Centre for Low Carbon Futures ([www.lowcarbonfutures.org](http://www.lowcarbonfutures.org)) and the Centre for Climate Change Economics and Policy ([www.cccep.ac.uk](http://www.cccep.ac.uk)) to understand and enhance the impact of their research on policy and practice in climate change governance. Responsible for managing and teaching Research Methods

courses at MSc and PhD level. Obtained Marie Curie Reintegration Grant to undertake action research into inter- and transdisciplinary production of research impacts, using the Learning Histories method. Coordinate uncertainty reporting and policy impact in the EQUIP project 'End-to-end quantification of uncertainty for impacts prediction' (<http://www.equip.leeds.ac.uk>).

*December 2008 – March 2010*

Advisor on transdisciplinarity in the Building with Nature ecosystems engineering innovation programme (<http://www.ecoshape.nl>). Organising workshops to facilitate the coordination and exchange of knowledge; advising on innovation strategy.

*September 2007 – March 2010*

EU Marie Curie Experienced Researcher in the Marie Curie RTN GoverNat project 'Multi-level Governance of Natural Resources: Tools and Processes for Water and Biodiversity Governance in Europe' ([www.governat.eu](http://www.governat.eu)) at the Sustainability Research Institute, University of Leeds, UK. Leading the development of conceptual understanding around the role of expertise in decision-making processes especially in relation to (public) participation based on multiple case studies across the EU. Designed and organised the interdisciplinary training and exchange programme for PhD fellows.

*March 2001 – August 2007*

PhD researcher at the University of Twente, The Netherlands. Interdisciplinary study of decision-making processes in Dutch water management with particular focus on the integration of expertise, framing of integrated assessment, and processes of (social) learning and negotiation. Supervision: Wiebe Bijker (chair Technology & Society, University of Maastricht) and Huib de Vriend (chair River Morphology en Civil Engineering, Technical University Delft). Training in Science & Technology Studies through participation in the Dutch research school for Science, Technology and the Modern Culture (WTMC). Successful application for a PhD grant from the Innovations Office at the Dutch Ministry of Transport and Water Management and additional funds from Rathenau Institute and Deltares.

*January 1999 - March 2001*

Area Hydrologist with the Environment Agency, Bridgwater, UK. Coordination of multi-disciplinary catchment management studies. Provision of hydrological and hydrometric advice. Participation in national water resources management fora.

*January 1997 – December 1998*

Independent consultant. Publication advisor on the Middle East Peace Process - Water Data Banks project. Elaboration of inventory of transboundary catchment management plans in Europe for the Dutch River Action Programme. Hydrological expertise used to steer drinking water project in Kaja (Togo). Assisted the Unesco HELP project (Hydrology for Environment, Life and Policy).

*May 1995 – December 1996*

Associate Expert Water Resources, UNDP/FAO project 'Appui institutionnel au Commissariat de Développement Intégré du Sud', Antananarivo, Madagascar. Established a framework plan for water management for the southern region of Madagascar. Manager, UNDP feasibility study for a water master plan.

*January 1993 – February 1995*

Associate Expert Hydrologist and Deputy Project Manager, UNDP/WMO project 'Assistance agrohydrométéorologique et surveillance de l'environnement', Department of Agrometeorology and Hydrology, Bangui, Central African Republic. Set up and quality controlled the national water data archive, and to ensure its usability for hydrological studies and data summaries.

*September 1989 – December 1992*

Higher Scientific Officer (hydrologist) with the Institute of Hydrology, Wallingford, UK. Research input on flow regimes, data administration and technical secretary in the European regional hydrology project FRIEND (Flow Regimes of International Experimental and Network Data). Management of, and research input into, short-term consultancy contracts.

*January 1986 – February 1989*

MSc research projects:

Erosion control studies for the Comité Interafricain des Etudes Hydrauliques, Ouagadougou, Burkina Faso.

Regional hydrology studies of Nepal for the Intermediate Technology Development Group, Rugby, United Kingdom.

Irrigation water management studies for the Integrated Rural Development Programme, Nuwara Eliya, Sri Lanka

### **Teaching and training experience**

- 2012-2014 Faculty of Geo-information and Earth Observation, University of Twente:*  
Convenor, PhD course Social Science Research Methods  
Co-convenor, MSc module '(Spatial) Knowledge and (Environmental) Policy'  
Facilitator & teacher, MSc research design module  
Supervisor PhD 'Information and accountability in water & health services in Tanzania'
- 2010-2012 Sustainability Research Institute (SRI), University of Leeds:*  
Module leader, Social Science Research Methods for MSc students at SRI  
Module leader, Research Philosophy and Design for PhD students at SRI  
Supervisor PhD 'Participation in Spanish Forestry Governance'  
Supervisor MSc theses
- 2008-2009 'Building with Nature' eco-engineering programme, Dordrecht:*  
convenor of workshops to enhance interdisciplinarity
- 2008 GoverNat Marie Curie Research and Training Network:*  
Convenor, PhD research training 'Closing the knowledge gaps and developing common language'  
Convenor, PhD research training 'Basics of Social Science Research'
- 2001-2012 University of Twente; Wageningen University and Research Centre:*  
Guest lecturer in miscellaneous courses.

### **Papers in preparation**

Wesselink A, Warner J, Abu Syed S, Chan F, Duc Tran D, Haq H, Le Thuy N, Van Staveren M, Wester P, Zegwaard A (in review) Soft flood risk management: can we learn lessons from comparison? *International Journal of Water Governance*

Wesselink A, Porter J (in progress) Water science for policy: when is good enough, enough? *Wiley Interdisciplinary Reviews Water* invited paper

Wesselink A, Warner J, Geldof G (in progress) Adaptive management: scientific myths and lived reality *Wiley Interdisciplinary Reviews Climate Change* invited paper

Katomero J, Wesselink A, Hoppe R (in review) How Corruption Stifles Realistic Problem Framing and Responsive Governance: The Case of Water and Health Services in Tanzania *Public Administration and Development*

Katomero J, Wesselink A, Hoppe R (in progress) The interweaving of formal and informal accountability: A tale of rural water supply in Bunda District, Tanzania *journal t.b.d.*

**Peer reviewed journal publications (H-index 6 in Web of Science; 9 in Google Scholar)**

Wesselink A, Hoppe R, Lemmens R (2015) Not just a tool: taking politics into account in the development of a mobile App for rural water supply in Tanzania *Water Alternatives* 8(2): 57-76

Wesselink A, Colebatch H, Pearce W (2014) Evidence-based policy making: discourses, meanings and practices *Policy Sciences* 47(4) 339-344 Special Issue guest-editor introduction

Wesselink, A, Gouldson A (2014) Pathways to impact in local government: the mini-Stern study as evidence in local climate change policy in the Leeds City Region *Policy Sciences* 47(4) 403-424

Wesselink A, Challinor A et al. (2014) Equipped to deal with uncertainty in climate change science for policy *Climatic Change* DOI 10.1007/s10584-014-1213-1

Hoppe R, Wesselink A (2014) Comparing the role of boundary organizations in the governance of climate change in three EU member states *Environmental Science and Policy* 44 73-85

Pearce W, Wesselink A, Colebatch H (2014) Evidence and meaning in policy making *Evidence & Policy* 10(2) 161-65 Special Issue guest-editor introduction

Nganyanyuka K, Martinez J, Wesselink A, Lungo J, Georgiadou Y (2014) Accessing water services in Dar es Salaam: are we counting what counts? *Habitat International* 44 358-366

Hoppe R, Wesselink A, Cairns R (2013) Lost in the problem: the role of boundary organisations in the governance of climate change *Wiley Interdisciplinary Reviews Climate Change* 4(4) 283-300

Wesselink A, Warner J, Kok M (2013) You gain some funding, you lose some freedom: the ironies of flood protection in Limburg (The Netherlands) *Environmental Science and Policy* 30(1) 113-124

Wesselink A, Buchanan K, Georgiadou Y, Turnhout E (2013) Technical knowledge, discursive spaces and politics at the science-policy interface *Environmental Science and Policy* 30(1) 1-9 Special Issue guest-editor introduction

Jolibert C and Wesselink A (2012) Research impacts and impact on research in biodiversity conservation: the influence of stakeholder engagement *Environmental Science and Policy* 22 100-111

Wesselink A, Paavola J, Fritsch O and Renn O (2011) Rationales for public participation in environmental policy and governance: practitioners' perspectives *Environment and Planning A* 43(11) 2688-2704

Wesselink A, Hoppe R (2011) If post-normal science is the solution, what is the problem? The politics of activist science *Science, Technology and Human Values* 36(3) 389-412

Wesselink A, Warner J (2010) Reframing floods: proposals and politics *Nature & Culture* 5(1) 1-14 Special Issue guest-editor introduction

Wesselink A, de Vriend H J, Barneveld H J, Krol M S and Bijker W E (2009) Hydrology and Hydraulics Expertise in Participatory Processes for Climate Change Adaptation in the Dutch Meuse *Water Science and Technology* 60 (3) 583-595

Wesselink A (2009) The emergence of interdisciplinary knowledge in problem focused research *Area* 41(4) 404-413

Wesselink A (2007) Flood safety in the Netherlands: the Dutch political response to Hurricane Katrina *Technology in Society* 29 (2) 239-247

Wesselink A, Bijker W E, de Vriend H J and Krol M S (2007) Dutch dealings with the Delta *Nature & Culture* 2 (2) 188-209

Wesselink A, Reuber J and Krol M S (2006) Anticipating climate change: knowledge use in participatory flood management in the river Meuse *European Water* 15/16 4-13 *European Water Resources Association* [http://ewra.net/ew/issue\\_15-16.htm](http://ewra.net/ew/issue_15-16.htm)

Gustard A, Wesselink A (1993) Impact of Land use Change on Water Resources -Balquhider catchments *Journal of Hydrology* 145(3-4) 389-401.

### **Book chapters**

Roald, L, Wesselink A J, Arnell N W, Dixon J M, Rees G, Andrews A J (1993) *European Water Archive. Chapter 2 in Flow Regimes from International Experimental and Network Data (FRIEND), Volume I: Hydrological Studies.* Ed. A Gustard. Institute of Hydrology, United Kingdom.

### **Conference papers (selected)**

Wesselink A, Hoppe R (2013) Comparing multi-level boundary work: theory and application to EU JCPA-ICPA 2013 conference *Leuven 28-30 November 2013*

Wesselink A, Gouldson A (2013) Pathways to impact in local government: the mini-Stern review as evidence in policy making in the Leeds City Region *International Conference on Public Policy Grenoble, 26-28 June 2013*

Wesselink A, Hoppe R, Cairns R (2012) The role of boundary organizations in the social status of climate change knowledge *4S/EASST Annual Meeting October 17-20, 2012, Copenhagen*

Wesselink A, Hoppe R, Cairns R (2012) The role of boundary organizations in the social status of climate change knowledge *2012 Berlin Conference on the Human Dimensions of Global Environmental Change 5-6 October 2012*

Wesselink A, Warner J (2011) The power of law: how northern flood management was imposed on Limburg *6th International Conference in Interpretative Policy Analysis: Discursive Spaces. Politics, Practices and Power Cardiff 23-25 June 2011*

De Vriend H J, Wesselink A (2009) Building with Nature: ecodynamic design in practice *2nd German Environmental Sociology Summit Reshaping Nature: Old Limits and New Possibilities Leipzig 6-7 November 2009 Keynote paper* <http://www.ufz.de/index.php?de=17540>

Wesselink A (2009) Distributed expertise for climate change adaptation in the Dutch Meuse: what does expertise do in decision making? *4S Annual Meeting 2009 panel Water Worlds I: Water Knowledges and Expertise Washington 28-31 October 2009*

Wesselink A (2009) Boundary objects in policy making: how landscape quality facilitates flood management planning *RMNO International conference 'Towards knowledge democracy'* 25-27 August 2009, Leiden

Wesselink A, De Vriend H J and Krol M S (2008) Distributed expertise in participatory processes for climate change adaptation in the Dutch Meuse. *Conference proceedings Freude am Fluss final conference Nijmegen 22-24 October 2008* <http://faf-final-conference.science.ru.nl/?cat=9>

Wesselink A (2007) Integration of interests and expertise in the adaptation to climate change in The Netherlands. *Conference proceedings CAIWA 12-15 November 2007 Basel*. <http://www.newwater.uos.de/caiwa/papers.htm> session B2

Wesselink A (2006) Safety from flooding in low countries. Position paper, New Directions: Cities and River II Katrina workshop, 21-24 March 2006, New Orleans. <http://www.ndsciencehumanitiespolicy.org/katrina/meetings/marchworkshop.html>

Wesselink A (2000) The friendly By Brook: is there a low flow problem? *Proceedings of the Seventh National Hydrology Symposium, Newcastle on Tyne 4-6 September 2000*. BHS publication, Wallingford, UK. pp. 425-430

Wesselink A, Ferry L (1998) Risk assessment in irrigated agriculture: a new method of calculating water availability applied to southern Madagascar. pp. 495-504 in: Hydrology in a Changing Environment, *Proceedings of the First International Conference of the British Hydrological Society* Wheater, H and Kirby, C. (Eds.) John Wiley & Sons, Chichester, UK.

Orange D, Wesselink A, Mahe G, Feizoure C T (1997) The effects of climate changes on river baseflow and aquifer storage in Central Africa. In: Rosbjerg D, Boutayeb N, Gustard A, Kundzewicz Z W and Rasmussen P F (eds.) *Sustainability of water resources under increasing uncertainty*. IAHS Publication no.240, pp. 113-123

Wesselink A, Orange D, Feizouré C T, Randriarimiarisoa (1995) Les régimes hydroclimatologiques et hydrologiques d'un bassin versant de type tropical humide: l'Oubangui (République Centrafricaine) *L'hydrologie tropicale: géoscience et outil pour le développement. Mélanges à la mémoire de Jean Rodier*. Eds P Chevallier & B Pouyaud IAHS Publication no. 238, pp. 179-194.

Orange D, Feizouré C T, Wesselink A, Callède J (1995) Variabilités hydrologiques de l'Oubangui à Bangui au cours du XXIème siècle. *Actes des journées scientifiques FRIEND - AOC (Cotonou, déc. 1995)*. PHI-V 1 Documents Techniques en Hydrologie 1 No. 16 Edition Unesco. pp. 95-114

Wesselink A, Hagemann I H U, Demuth S, Gustard A (1994) Computer application of regional low flow study in Baden-Württemberg, Germany. *FRIEND: Flow Regimes from International Experimental and Network Data (Proceedings of the Braunschweig Conference, October 1993)*. IAHS Publ. no. 221, 1994.

Wesselink A, Hagemann I H U, Demuth S, Gustard A (1992) Application informatisée d'une étude sur le débit d'étiage dans la région de Baden-Württemberg, Allemagne. *VIIIèmes Journées Hydrologiques de l'Orstom: Recueil des communications*.

## Reports

- Wesselink A, Paavola J (2008) *Analysing multilevel water and biodiversity governance in their context*. Final report. GoverNat report 2  
[http://www.governat.eu/files/files/ufz\\_discussion\\_paper\\_5\\_2008.pdf](http://www.governat.eu/files/files/ufz_discussion_paper_5_2008.pdf)
- Wesselink A (2008) *Analysing multilevel water and biodiversity governance in their context: analysis and synthesis of consultations*. GoverNat report 3  
[http://www.governat.eu/files/files/ufz\\_discussion\\_paper\\_6\\_2008.pdf](http://www.governat.eu/files/files/ufz_discussion_paper_6_2008.pdf)
- Wesselink A (2008) *Qualitative Methods in Social Research*. Lecture notes of GoverNat Summer Seminar, Stuttgart, 4-6 August 2008 (29 p.)
- Wesselink A (2008) *Closing the knowledge gaps and developing common language*. Lecture notes of GoverNat Spring training, Århus, Denmark 5-10 April 2008 (77 p.)
- Wesselink A (2008) *Interdisciplinarity, Problem Focused Research and Normativity*. SRI working papers 11 [http://www.see.leeds.ac.uk/research/sri/working\\_papers/SRIPs-11.pdf](http://www.see.leeds.ac.uk/research/sri/working_papers/SRIPs-11.pdf)
- Wesselink A, Merckx F (2007) *Transdisciplinarity for Integrated Coastal Zone Management. Report on an Expert Meeting*. Coastal Defense Project report R5. Rathenau Institute, The Hague, The Netherlands.
- Wesselink A (2007) *Exploratie van integraal waterbeheer: lessen uit de praktijk*. [An exploration of integrated water management: lessons from practice.] CE&M research report 2007R-010/WEM-007. University of Twente, The Netherlands.
- Wesselink A (2006) *Verkenningen Hoogwaterbeheer Maas. Een studie naar besluitvorming als verweving van expertise en belangen*. [Flood management investigations on the Meuse river. A study into decision making as interweaving of expertise and interests.] CE&M research report 2006R-003/WEM-004. University of Twente, The Netherlands.
- Wesselink A (2001) *By Brook low flow investigations. Final Report*. Environment Agency, Bridgwater, UK.
- Wesselink A (2001) *Chalfield Brook low flow investigations. Progress report*. Environment Agency, Bridgwater, UK.
- Wesselink A, Grew R (2000) *Drought indicators for water resources*. Internal report Environment Agency, Bridgwater/Exeter, UK.
- Wesselink A (2000) *Chalfield Brook low flow issue. Inception report*. Environment Agency, Bridgwater, UK.
- Wesselink A (2000) *Upper Yeo low flow issue. Inception report*. Environment Agency, Bridgwater, UK.
- Wesselink A (2000) *Compound quality assessment of river flow data in North Wessex*. Internal report. Environment Agency, Bridgwater, UK.
- Wesselink A (2000) *The Somerset Moors and Levels: conceptual model of water management*. Internal report. Environment Agency, Bridgwater, UK.
- Yamaguchi A, Wesselink A J (2000) *An overview of selected policy documents on water resources management that contributed to the design of HELP (Hydrology for the Environment, Life and Policy)*. IHP-V Technical Documents in Hydrology no. 38. UNESCO, Paris.



Wesselink A, Verhallen A M, Hoogenboom F (1998) *Inventory of catchment management plans in Europe*. RIZA werkdocument 98.127X.

Wesselink A (1996) *Stratégie régional du développement de l'eau dans le Sud de Madagascar*. Commissariat Général au Développement Intégré du Sud, Antananarivo.

Wesselink A, Orange D, Randriamiarisoa (1995) *Les débits moyens mensuels de 13 stations hydrométriques dans le bassin de l'Oubangui: 1986-1992*.

Wesselink A, Orange D, Randriamiarisoa, Feizouré C T (1994) *Hydrométrie de l'Oubangui à Bangui de l'origine des observations à 1993: mise en évidence d'un détarage récent*.

Orange D, Letrouquer Y, Wesselink A (1994) *Débits journaliers de l'Oubangui à Bangui 1935 à 1994*. Rapport du Laboratoire d'Hydrologie, Orstom, Bangui.

Acreman M C, Wesselink A (1993) *River Roding fluvial/tidal flood defence project. Phase II: Final report*. Report to the National Rivers Authority, Thames Region.

Lewis M A, Jones H K, Macdonald D M J, Barker J A, Shearer T R, Wesselink A (1992) *Groundwater storage in British aquifers*. Project report 128/7/A. British Geological Survey, United Kingdom.

Wesselink A, Niemeyer S (1992) *Development of methods for the estimation of flow duration curves: Pilot studies*. Feasibility study for a European Atlas for Small Hydropower Potential. Report to the Commission of the European Communities.

Acreman M C, Wesselink A (1992) *River Roding fluvial/tidal flood defence project. Phase I: Feasibility study*. Report to the National Rivers Authority, Thames Region.

Gustard A, Wesselink A, Roberts G, Johnson N I W (1991) *Hydrological impacts of proposed water resources schemes in Northern Ireland (Eastern Area)*. Report to the Department of the Environment for Northern Ireland, Water Service.

Vlaar J C, Wesselink A (1990) *Aménagements des eaux et des sols par digues filtrantes. Expérimentations dans la région de Rissiam, Burkina Faso, 1986-1989*. Tome 1: Aspects Techniques et Agronomiques. Joint publication Wageningen Agricultural University, Comité Interafricain des Etudes Hydrauliques and Association Française des Volontaires du Progrès.