

Curriculum Vitae
Dr.ir. Femke Merkx

PERSONAL AND CONTACT DETAILS

Name	Femke Merkx, PhD
Date of Birth	28-10-1972
Sex	Female
Nationality	Dutch
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WORK EXPERIENCE

Knowledge co-creation, Research & Consultancy

Consultant, trainer and process facilitator

01-10-2011 – now

www.kenniscocreatie.nl

Knowledge for dealing with complex societal issues often requires collaboration between different disciplinary experts and between researchers and practitioners, policy makers and end users. Knowledge co-creation, Research & Consultancy supports these parties to productively collaborate in knowledge development. Analytical and dialogue methods are used to facilitate mutual understanding and synergy.

Apart from process facilitation in collaborative knowledge development, I offer consultancy on research policy and research management, training in knowledge co-creation and (secretary) support for research assessments.

Portfolio:

- Development of an extended peer review method for practice oriented research. Commissioned by Regieorgaan SIA-NWO, a funding organisation for practice oriented research (2015-2016). More info can be found [here](#).

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- Masterclass Knowledge co-creation for the Ministry of Infrastructure & Environment, June 2016.
 - Teaching PhD-students on developing societally relevant research questions in dialogue with knowledge users. Commissioned by University of Utrecht (2016). More info can be found [here](#).
 - Consultancy ‘the knowledge broker’ at the Ministry of Infrastructure and Environment’ (2015).
 - Rapporteur Horizon 2020 Evaluation ‘Science with and for Society Programme’, European Commission (2015).
 - Advisory report on research output indicators for the Royal Netherlands Academy of Arts and Sciences (2014).
 - Advisory report on integrating the perspective on knowledge users in the new research programme on Climate & Water, commissioned by Rijkswaterstaat (the Ministry of Infrastructure and the Environment) (2013).
 - Design and report of focus group meetings on knowledge transfer in the humanities and social sciences commissioned by the Rathenau Institute (2013).
 - Initiating and organizing the Dutch co-conference on Research Integration and Implementation. In collaboration with the Centre for Innovation, Campus The Hague, University of Leiden. <http://www.i2sconference.org/co-conferences/netherlands-co-conference/> (2013).
 - Workshop Knowledge co-creation for ProRail.
 - Consultancy research on demand articulation for an organization developing educational content for the agricultural sector.
 - Action-oriented research on methods to support successful knowledge co-creation between research and policy, funded by the Dutch national research council NWO.
 - Writing a chapter on knowledge co-creation methods for the Inspirator project, funded by the Dutch national research council NWO.
 - Consultancy on research methodology for the department Art & Economy at the Utrecht School of the Arts.
 - Secretary and rapporteur for a research assessment committee commissioned by QANU.
 - Secretary and rapporteur for the international research assessment committee of the Dutch Environmental Assessment Agency (PBL).
 - Design and facilitation of an Appreciative Inquiry workshop for a small ICT company.
 - Consultancy on ‘Cross-disciplinary research on creative and cultural entrepreneurship’ commissioned by the Utrecht School of the Arts.

- Writing a chapter 'A brief guide to knowledge co-creation?' commissioned by the Rathenau Institute.

Rathenau Institute
Researcher Science System Assessment
01/10/2005 – 30/09/2011

The Science System Assessment department investigates the organization, functioning and dynamics of the Dutch research system.

Research projects:

Literature review on methods for knowledge co-creation 'Samenwerken aan werkzame kennis'

Knowledge co-creation is a form of knowledge development in which researchers from various disciplinary backgrounds collaborate with societal stakeholders and end users. Knowledge co-creation aims at the development of concrete options for action in response to complex societal issues.

<http://www.rathenau.nl/publicaties/publicatie/samenwerken-aan-werkzame-kennis.html>

Measuring Societal Impact of Climate Knowledge

Based on document analysis, semi-structured interviews, survey research and statistical analysis with SPSS an assessment was made of the societal impact of two large research

programmes 'Climate Changes Spatial Planning' and 'Knowledge for Climate'.

<http://www.rathenau.nl/publicaties/publicatie/impact-van-klimaatkennis.html>

Transdisciplinary Learning Science: Promise or Practice?

Based on document analysis, semi-structured interviews and bibliometric analysis, an assessment was made on the stage of development of Transdisciplinary learning science, an emerging field of research at the boundary between the neurosciences, cognitive science and educational practice.

<http://www.rathenau.nl/publicaties/publicatie/transdisciplinary-learning-science.html>

Coastal Research: Science, Policy and Societal Needs

Based on document analysis, semi-structured interviews and bibliometric analysis an assessment was made of the societal and cross-disciplinary nature of coastal research in the Netherlands. <http://www.rathenau.nl/publicaties/publicatie/kustverdediging-wetenschap-beleid-en-maatschappelijke-vraag.html>

Evaluation of Research in Context. A Quick Scan of an Emerging Field

A literature study was made on methods for evaluating the societal relevance of academic research.

University of Twente**Department Science, Technology, Health & Policy Studies*****PhD-student*****01/12/2000 - 01/07/2005****Research projects:*****PhD research: Organizing Responsibilities for Novelties in Medical Genetics***

Promotor: Prof.dr. Arie rip

Co-promotor: Dr. Barend van der Meulen

An analysis was made of the introduction of new (and controversial) medical genetic technologies in Dutch healthcare. It was shown how new socio-technical configurations of responsibilities emerge. The analysis focussed on the role of hybrid forums, forums in which a heterogeneous set of actors and arguments play a role. Research methods that were used: Observational research, document analysis, case study approach, discourse analysis (in particular positioning analysis), semi-structured interviews.

European research project PARADYS

This was an international comparative research about citizenship in the licensing procedure for field trials with genetically modified organisms. This project used a multi-method approach combining sociological analysis with conversational analysis. Research methods that were used: Document analysis, discourse analyse (in particular positioning analysis), semi-structured interviews.

Marie Curie Fellowship 'New Genetics: Integrating Science, Society and Policy'.

Science and Technology Studies Unit (SATSU)

University of York, UK.

Teaching:***'Social Responsibility for Engineers'***

Between 2002 and 2004 I taught a course (in English) on social responsibility for engineers for international Master students in Telematics and Computer Science. The course was examined by a group assignment. Based on a concrete case, students had to reflect on their social responsibility as an engineer.

University of Twente
Department Science, Technology, Health and Policy Studies
Junior Researcher
01/10/1998 – 01/12/2000

Research projects:

Foresight as a Tool for the Management of Knowledge Flows and Innovation

A European international comparative research about the role of foresight in innovation dynamics. Research methods used: semi-structured interviews and computer assisted qualitative data analysis using NVivo.

Risk, Environment and Costs in design

A sociological analysis on the design practice of soil sanitation technology to improve knowledge management commissioned by an engineering consultancy. Research methods used: semi-structured interviews.

Risk Communication on New Technologies in the Life Sciences

Methods used: Literature review and expert interviews.

LANGUAGE SKILLS

Dutch: mother tongue
English: proficient
English: proficient
German: moderate/good
French: basic

EDUCATION

PhD-training

Graduate School for Science, Technology and Modern Culture (WTMC)
2000-2005

During my PhD I followed a broad training in the field of Science & Technology Studies encompassing Philosophy of Technology, Innovation Studies, Cultural Studies and Sociology of Scientific Knowledge.

MSc. Philosophy of Science, Technology and Society (graduated with distinction)

University of Twente

1995-1998

An interdisciplinary study in the philosophy, sociology and history of science and technology. I graduated on the thesis: *'Public Understanding of Science in NewMetropolis, science & technology center'*. Thesis supervisor: Prof. Dr. Arie Rip.

MSc. Molecular Sciences (graduated with distinction)

Wageningen University & Research Centre

1991-1995

Molecular sciences is an interdisciplinary study on the boundary between chemistry, biology and physics. I specialized in molecular physics, biochemistry and environmental chemistry.

Atheneum B

Gertrudis Lyceum Roosendaal

1986-1991

OTHER EDUCATION, COURSES AND TRAINING

Transdisciplinarity Summerschool 2016

University of Leuphana, Lüneburg

August 29th – Sept. 2nd 2016***Clean for Teams: An Introduction to Systemic Modelling***

With Caitlin Walker at Clean Learning, UK

23-24 July, 2015

7th Annual International Clean Conference

London

5-8 June, 2015

Clean Language, module 6

Training with James Lawley and Penny Tompkins and Gewoon aan de Slag

13-15 October, 2014

Leergang Kunstmest voor facilitators

Instituut voor Maatschappelijke Innovatie (IMI), Leiden

Six day training, 2014

Facilitating change processes using clean language – advanced course

Gewoon aan de slag

Four day training, Autumn 2013

Clean Language - Course 2

Gewoon aan de slag

Two day training, October 2012

Team coaching

SchoolvoorCoaching

Three day training, March 2012

Clean Language - Course 1

Gewoon aan de slag

Two day training, May 2011

Deadlocks in decision making on infrastructure; knowledge mediation offers an opening

Hogeschool Utrecht, HU Mediation

31 March 2011

Training Networking

Royal Dutch Academy of the Sciences

Two day training, January 2011

Coaching for PhD supervisors

Aletta Wubben Mens- en organisatieontwikkeling

Three day training, September – December 2010

Measuring Science: Assessment of Research Performance and Discovery of Patterns of Scientific and Technological Development

Centre for Science and Technology Studies (CWTS), University of Leiden

16-20 October 2006

Training Presentation Skills

University of Twente

2001

Academic Writing in English

Horizon Interlingua

2000

RELEVANT EXTRA CURRICULAR ACTIVITIES

Meditation teacher

Since 2014

Member of the Curriculum Committee of the Graduate School for Science, Technology and Modern Culture (WTMC)

2001-2005

As member of the Curriculum Committee I contributed to redesigning the curriculum and set-up of the PhD training.

PUBLICATIONS

Merx, Femke (2016), [Kiezen voor intervisie. Een nieuwe methode van kwaliteitszorg voor praktijkgericht onderzoek](#), in: [TH&MA Hoger onderwijs](#), nr. 5, p. 43-48.

Merx, Femke (2016), [Intervisie praktijkgericht onderzoek Handreiking voor de projectleider en medewerker onderzoekskwaliteit](#), Nationaal Regieorgaan Praktijkgericht Onderzoek.

Merx, Femke (2016), [Intervisie praktijkgericht onderzoek Handreiking voor de gespreksleider](#), Nationaal Regieorgaan Praktijkgericht Onderzoek.

Merx, Femke (2015), [Co-creatie in de zorg: koken zonder recept. Drie aanwijzingen om co-creatie tot een succes te maken](#), in: [Kwaliteit in zorg, Tijdschrift over kwaliteit en veiligheid in zorg](#), nr. 2, p. 8-11.

Merx, F. (2013) Kennisproductie, hoe doe je dat? ('A brief how-to guide to coproduction of knowledge) in: 'Kennisproductie voor de grote maatschappelijke vraagstukken' (Coproduction of knowledge for the grand challenges), The Hague, Rathenau Institute, SciSa report 1329.

Hegger, De Boer, Offermans, Merx et al. (2013), [Kenniscocreatie: naar productieve samenwerking tussen wetenschappers en beleidsmakers](#), INSPIRATOR-project, Universitaire Pers Maastricht.

Merx, F. (2012), [Samenwerken aan werkzame kennis. Methoden en technieken voor kenniscocreatie](#), (Working together on knowledge that works. Methods and techniques for co-creation of knowledge), The Hague, Rathenau Instituut, SciSA report 1223.

Merx, F., Roks, D., Wardenaar, T. (2011), [Impact van klimaatkennis – Maatschappelijke Impactanalyse van Klimaat voor Ruimte en Kennis voor Klimaat, \(Impact of climate knowledge - Societal impact analysis of the 'Climate Changes Spatial Planning' and 'Knowledge for Climate' Research Programmes\)](#) The Hague, Rathenau Instituut, SciSA report 1122.

- Brown, N., Rappert, B., Webster, A., Cabello, C., Sanz Menendez, L., Merkx, F. & Meulen, B. van der (2010). Foresight jako Narzedzie Zarzadzania Wiedza i Innowacja. Warsaw: Polska Agencja Rozwoju Przedsiębiorczosci.
- Merkx, F., R. van Koten, T.Gurney, P.A.A. van den Besselaar, (2009), The development of transdisciplinary learning science: promise or practice, The Hague, Rathenau Instituut, SciSA report 0911.
- Merkx, F. (2008) Organizing Responsibilities for Novelties in Medical Genetics. Dynamics and Productivity of Mutual Positioning in Hybrid Forums, PhD dissertation, University of Twente, ISBN 978-90-365-2763-7, December 2008.
- Merkx, F. and P. Van den Besselaar (2008) "Positioning indicators for cross-disciplinary challenges: The Dutch coastal defence research case." Research Evaluation, 17(1), March 2008, p.4-16.
- Merkx, F., A. Versleijen, et al. (2007) Kustverdediging: Wetenschap, beleid en maatschappelijke vraag ('Coastal safety: Science, policy and societal needs'), The Hague, Rathenau Instituut, SciSA report 0704.
- Merkx, F. (2007) A Bird's Eye View of Coastal Defence Research in the Netherlands. The Hague, Rathenau Instituut - Department Science System Assessment.
- Merkx, F. (2007) The Socio-Cognitive Map of Coastal Defence Research - Project Outline. The Hague, Rathenau Instituut - Department Science System Assessment.
- Merkx, F. (2007) Cross-Disciplinary Challenges in Coastal Defence Research. The Hague, Rathenau Instituut - Department Science System Assessment.
- Merkx, F. (2007) Dutch Coastal Defence Research. Summary and Conclusion. The Hague, Rathenau Instituut - Department Science System Assessment.
- Merkx, F., I. Van der Weijden, et al. (2007). Evaluation of Research in Context. A Quick Scan of an Emerging Field, Rathenau Instituut - Science System Assessment, ERiC - Evaluation of Research in Context.
- Van den Besselaar, P. and F. Merkx (2007) Coastal Defence Research - A Bibliometric Map. The Hague, Rathenau Instituut - Department Science System Assessment.
- Wesselink, A. and F. Merkx (2007) Transdisciplinarity for Integrated Coastal Zone Management. Report on an Expert Meeting The Hague, Rathenau Instituut - Department Science System Assessment.
- Merkx, F., J. F. T. M. Van Dijck, en A. Rip (2004). Risicocommunicatie over nieuwe technologie op het gebied van de levenswetenschappen ('Risk communication on new technologies in the life sciences') In: Risicocommunicatie Praktijk & Theorie ('Risk Communication, Practice & Theory'), Amsterdam, Stichting Weten.
- Padmos, H., F. Merkx et al. (2004) 'The Netherlands, Communicating Citizenship in the GM Starch Potato Case.' In: Alfons Bora en Heiko Hausendorf (eds.). Paradys, Participation and the Dynamics of Social Positioning. Final Report to the European Commission, pp. 357-403, July 2004.

Brown, N., B. Rappert, A. Webster (SATSU), C. Cabello, L. Sanz-Menended (CSIC Madrid), F. Merkx, B.J.R. van der Meulen (CSTS, Twente) (2001) 'Foresight as a tool for the management of knowledge flows and innovation.' Final Report of the FORMAKIN Project, January 2001.

Merkx, F., J. van Dijck en A. Rip (1999), 'Risicocommunicatie over nieuwe technologie op het gebied van de levenswetenschappen.' Stichting WeTen, Utrecht.

PRESENTATIONS AND WORKSHOPS

'Dealing with complex problems through knowledge cocreation', Guest lecture for honours class University of Amsterdam, November 2016.

"Intervisie praktijkgericht onderzoek. Een nieuw instrument voor kwaliteitszorg", presentatie voor SIA contactpersonenbijeenkomst, Utrecht, June 30th, 2016.

"Kenniscocreatie in de Praktijk", Masterclass Ministerie van Infrastructuur en Milieu, the Hague, June 21st, 2016.

"Integreren van praktijkkennis en praktijkdoelen, hoe doe je dat?", lezing tijdens de PION-studiedag over kenniscocreatie, Hogeschool van Amsterdam, April 6th, 2016.

"Hoe maak je je onderzoek maatschappelijk relevant?", Guest lecture for honours class 'Academic Entrepreneurship', University of Leiden (2014, 2015, 2016).

"Intervisie praktijkgericht onderzoek: Kwaliteit in de uitvoering", workshop tijdens het SIA-congres, the Hague, December 2015.

"De kennisregisseur en IenM", presentatie voor het Ministerie van Infrastructuur en Milieu, The Hague, Oct. 26th, 2015.

"Interacting with users and stakeholders", workshop tijdens JPI Climate knowledge usability workshop, June 17th, 2015, Brussels,

"De brug slaan", workshop tijdens Immunowell bijeenkomst, Utrecht, April 17th, 2015.

"Crash course Maatschappelijke vraagarticulatie", workshop tijdens Valorisatieparade, Faculteit Sociale Wetenschappen, Universiteit Utrecht, April 8th, 2015.

"Kenniscocreatie in het programma water & Klimaat", presentatie voor Kennisplatform Water, January 9, 2014.

"Waarheen met de wetenschap?", lezing voor Studium Generale Amersfoort, Oct. 13th, 2013.

"A Literature Review on Concepts & Methods for Knowledge Co-creation", presentation for the First Global Conference on Research Integration and Implementation, Dutch co-conference, The Hague, 8-11 September, 2013.

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- "Workshop knowledge co-creation", InfraTrends conference Grip op Kennis, The Hague, June 13, 2013.
- "Do we need integration and implementation science?", presentation for the Rathenau discussion meeting on Knowledge co-creation, The Hague, May 30, 2013.
- "The Delta program and the knowledge worker of the future. The importance of knowledge boundary work", presentation for the Knowledge conference Delta program, April 3, 2012.
- "Working together on knowledge that works. Methods and techniques for co-creation of knowledge", presentation for the Expertise Centrum on Vocational training (ECBO), Utrecht, March 22, 2012.
- "From demand steering to demand articulation. On the relevance of knowledge co-creation methods for the educational sciences", presentation for the Dutch Ministry of Education, Culture and Science, The Hague, February 28, 2012.
- "Speed date session on knowledge co-creation' at the Rathenau Institute Parade on Knowledge Valorisation, Utrecht, November 1, 2011.
- "Knowledge co-creation in climate adaptation research" paper presented at the Rathenau Expert meeting on Valorisation and knowledge dynamics, Utrecht, October 26, 2010.
- "Creating Societal Impact in Climate Research" paper presented at the European Association for the Study of Science of Technology (EASST) conference, Trento, September 2, 2010.
- "A Bibliometric Methodology to Assess the Developmental Stage of Promising New Research Directions: The Case of Transdisciplinary Learning Science", paper at the Atlanta Conference on Science and Innovation Policy, Atlanta, October 2-3, 2009.
- "The introduction of controversial novel technologies as a process of distributed governance between science and politics: the case of prenatal Down Syndrome screening in Dutch health care", contributed paper, ESF-ZiF conference on Science and Values: The Politicisation of Science, Center for Interdisciplinary Research (ZiF), Bielefeld, 25-30 May 2009.
- "On Cross-disciplinarity", invited lecture, Seminar Interdisciplinarity. Research definitions, principles and practices, Research group Arts and Economics HKU, Utrecht, March 20, 2009.
- "Transdisciplinarity", invited lecture, presentation for the Knowledge Market at the Ministry of Education, Culture and Science, December 2, 2008.
- "Organizing responsibilities for novel medical technologies: the case of prenatal screening", paper presented at the 4S-EASST conference, Rotterdam, August 20-23, 2008.
- "The role of hybrid forums in governing the introduction of novelties: the case of genetic testing and insurance selection", paper presented at the International Genomics & Society conference, Amsterdam, 17-18 April 2008.
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“Transdisciplinary Research Groups”, paper presented at the Workshop Research Groups, Rathenau Institute, Utrecht, November 21, 2007.

“Indicators for Disciplinary Change: the Dutch coastal defence research case”, paper presented at the International Conference on Science, Technology and Innovation Indicators, Lugano, November 15-17, 2006.

'Hybrid Forums and Organization of Responsibilities, the Forum Biotechnology and Genetics.' Paper at the 4S-EASST conference Public Proofs. Science, Technology and Democracy, Paris, Augustus 2004.

'Citizenship and Governance in Biotechnology Debates and Regulation in the Netherlands.' Paper presented at the ECPR-conference, Marburg, September 18-21, 2003.

'Genetics and Insurance: Organising Responsibilities, Positioning Insurers as Socially Responsible and Accountable. A Comparative Study Between the Netherlands and the UK.' Paper presented at the EASST conference 'Responsibility under Uncertainty: Science, Technology and Accountability', York, 2002.

'The Role of Hybrid Forums in Taking or Delegating Responsibility for a Desirable Future of Genetic Diagnostics.' Paper presented at the 4S-EASST conference 'Worlds in Transition: Technoscience, Citizenship and Culture in the 21st Century' Vienna , 2000.

REFERENCES

References can be provided on request.