

Curriculum vitae for Per Mickwitz

1. Full name and date

Name Per Alexander Mickwitz
Gender Male
Date of writing the CV Helsinki August 27th 2017

2. Date and place of birth, nationality, current residence

Date and place of birth April 3rd, 1964, Helsinki
Nationality Finnish
Marital status Married, 2 children
Contact information
Work: Finnish Environment Institute (SYKE),
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3. Education and degrees awarded

Doctor of Administrative Sciences, D.Sc.(Admin.) 8.3.2006, *Tampere* University of Tampere, Faculty of Economics and Administration, Environmental Policy
Doctoral thesis:
Environmental Policy Evaluation: Concepts and Practice,
Grade: Laudatur

Master of Social Sciences, M.Soc.Sc. 22.2.1989, *Helsinki* University of Helsinki, Faculty of Social Sciences, Economics.

Title of docent

University of Tampere Title of docent in 1.1.2007 –
Faculty of Economics and Administration, Environmental Policy
Department of Regional Studies (Dosentti)

4. Other education and training, qualifications and skills

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5. Linguistic skills

Mother tongue: Swedish

Other languages

Finnish (excellent), based on the National Certificate of Language Proficiency 14.12.2011 (Valtionhallinnon kielitutkinto, Suomen kielen erinomainen suullinen, kirjallinen ja ymmärtämisen taito, Kielitutkintolautakunta 14.12.2011)

English (excellent), self-assessment, supported by publication record and work experience

German (Basic user) self-assessment

6. Current position

| | | | |
|---|--------|--|--|
| <i>Finnish Environment Institute (SYKE)</i> | 2012 – | Research director, Professor (tutkimusjohtaja, professori) | Responsible for the research at the Finnish Environment Institute (an institute with about 600 employees). |
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7. Previous work experience

| Employer | Dates | Position | Main activities and responsibilities |
|---|-----------------------|---|--|
| <i>University of Tampere</i> | 1.1.2011 – 31.12.2011 | Professor (acting) | Responsible for the Master and Bachelor education in environmental policy, teaching 3 courses, holding master and doctoral seminars and supervising thesis. Leading research projects and doing research. |
| <i>Finnish Environment Institute (SYKE)</i> | 2009 – | Research professor (tutkimusprofessori) | Responsible for planning and leading research projects about environmental governance and climate governance in particular. (On leave of absence 2010 onwards) |
| <i>Finnish Environment Institute (SYKE)</i> | 2001 – 2009 | Senior Researcher (erikoistutkija) | Responsible for planning, and leading research projects about environmental governance and evaluations of environmental policy. The first deputy for the Research Manager of the Research Programme for Environmental Policy (about 25 researchers). |
| <i>Finnish Environment Institute (SYKE)</i> | 1999 – 2001 | Senior researcher (vanhempi tutkija) | Responsible for evaluations of environmental policy and research in environmental economics. |
| <i>Finnish Environment Institute (SYKE)</i> | 1997 – 1998 | Project researcher (projekti tutkija) | To undertake research on multinational environmental agreements and their implementation. |
| <i>Finnish Game and Fisheries Research</i> | 1991 – | Researcher (tutkija) | Research projects mainly about fisheries |

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|---|-----------|------------------------------------|--|
| <i>Institute</i> | 1997 | | management and price formation of fish. |
| <i>Government Institute for Economic Research</i> | 1989 | Researcher (tutkija) | Research on financial innovations. |
| <i>The Swedish School of Social Science at the University of Helsinki</i> | 1986-1988 | Adjunct instructor (tuntiopettaja) | Responsible for the basic courses in statistics and economics as well as a course on economic institutions in Finland. |

During the month April 7 to May 7 2010 I was working as a Visiting Professor at the International Institute for Industrial Environmental Economics at Lund University.

8. Research funding as well as leadership and supervision

Leader of recent research project

| Project name | Financier | Duration | Scale |
|--|--|-----------|-------------------------------------|
| Future innovation and technology policy for sustainable system-level transitions: the case of transport (leadership transferred when I became Research Director) | Tekes – the Finnish Funding Agency for Technology and Innovation | 2012-2013 | 445 000 € |
| Path Dependence and Path Creation in Energy Systems – A Multi-Level Perspective on Technological, Business and Policy Innovations (EnPath) | Academy of Finland | 2009-12 | 673 000 € |
| Climate Change Policy Integration, Coherence and Governance | Partnership for European Environmental Research (PEER) | 2008-9 | ~ 450 000 € Finland: 77 000 € |
| Background Study on Mainstreaming of Climate Change Policies | Prime Minister's Office | 2008/1-3 | 15 000 € |
| Evaluation of the effects of improving material efficiency | Ministry of the Environment | 2006 | 38 000 € |
| A Pilot Study of the Ecological Footprint's Practicability in Finland | Ministry of the Environment | 2005-7 | 79 000 € |
| Evaluating the effects in Finland of international efforts to reduce SO ₂ and NO _x emissions from large point sources | Finnish Environment Institute | 2003-6 | 315 000 € |

Supervision of doctoral dissertations

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|---|---------------|---|---|
| 2006 – 2008 (Doctoral thesis defended on June 4th 2008) | Paula Kivimaa | Helsinki School of Economics supervision with Prof. Raimo Lovio | <i>The Innovation Effects of Environmental Policies: Linking Policies, Companies and Innovations in the Nordic Pulp and Paper Industry.</i> Acta Universitatis Oeconomicae Helsingiensis A329, Helsinki School of Economics. http://hsepubl.lib.hse.fi/pdf/diss/a329.pdf |
|---|---------------|---|---|

Paula Kivimaa's PhD thesis got the Helsinki School of Economics Foundation's recognition award for the highest-quality dissertation at HSE in the year 2008.

During 2011 when I worked as acting professor at the University of Tampere I was in charge of the PhD and masters seminars. During this time I supervised 10 master theses.

9. Merits in teaching and pedagogical competence

During 2011, when I was working as acting professor in environmental policy at the University of Tampere I planned and delivered two master courses and was responsible for the weakly masters and PhD seminars. I planned and delivered the basic course in environmental policy “Politicization of the environment” first in the early spring and again in the beginning of the autumn 2011. The course consisted of 10 two hours lectures and an exam. During the late autumn I also planned and delivered the course “The theoretical foundations of research in environmental social sciences” the course was based on reading and discussing literature (21 texts) that I had chosen, in addition to oral presentations of texts the students had to produce a diary based on the course. The assessment of the course by the students was very positive with an average general score of 8.54 (on a scale from 4 to 10). Besides my own teaching I also actively participated in developing the new educational programme of which environmental policy became a part.

During the years 1986-8 I worked as a lecturer in statistics and economics at the Swedish School of Social Science (which is an autonomous unit of the University of Helsinki). I was responsible for two to three courses per semester. In 1997, M.Sc. Asmo Honkanen and I were jointly responsible for the course “*Fish markets and fisheries economics*” (3 credit units) at the Faculty of Agriculture and Forestry of the University of Helsinki. While working at the Finnish Environment Institute I have each semester given two or three lectures at different universities (the University of Helsinki, the University of Joensuu, the Swedish School of Social Science at the University of Helsinki, the University of Jyväskylä and the Helsinki University of Technology).

10. Awards, prizes and honours

In 2003 the Finnish Environment Institutes group prize to the Environmental Policy Evaluation Group (Mikael Hildén, Petrus Kautto, Per Mickwitz, Marika Palosaari, Kimmo Ollikka, Elise Sahivirta and Jukka Similä).

In 2006 the EU Life project ECOREG (Matti Melanen was the project leader, I was the leader of one WP) was selected as one of the 20 best life projects reported to the Commission during the period 03/2005-01/2006.

Knight, First Class, of the Order of the Lion of Finland, by the President of the Republic of Finland on December 6th 2013.

In 2013 the Finnish Environment Institute’s group prize was awarded to group responsible for the renewal of the Internet services environment.fi and syke.fi (Ulla Ala-Ketola, Katarina Björklöf, Katri Haatainen, Harri Heikkinen, Esa Hirvonen, Pia Kuronen, Matti Lindholm, Riku Lumiaro, Markku Maunula, Per Mickwitz, Elisa Paavilainen, Sirpa Pellinen, Eija Putkuri, Saara Reinimäki, Päivi Tahvanainen, Anna Toppari).

11. Other academic merits

Service as a pre-examiner or as an opponent of a doctoral dissertation, as a member in dissertation committees (abroad)

| Date | University | Role | Doctoral thesis |
|-----------|------------|----------|--|
| 12.6.2015 | Linnaeus | Opponent | Kettil Nordesjö: “ <i>Relationen styrning och utvärdering:</i> |

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|------------|--------------------------------|-----------------------------------|--|
| | University | | <i>Hur en europeisk utvärderingsidé översätts i Sverige” [The relationship between governance and evaluation – on the translation of a European evaluation idea in Sweden]</i> |
| 14.6.2013 | Lund University | Opponent | Bernadett Kiss: “Building Energy Efficiency: Policy, learning and technology change” |
| 8.5.2013 | Luleå University of Technology | Opponent | Anna Mansikkasalo: “Greening Industry: Essays on Industrial Energy Use and Markets for Forest Raw Materials” |
| 25.5.2012 | Karolinska Institutet | Member in dissertation committees | Mats-Åke Belin: “Public road safety policy change and its implementation: Vision Zero a road safety policy innovation” |
| 20.1.2012 | Lund University | Member in dissertation committees | Lorenzo Di Lucia: “Public policy and the governance of biofuel systems” |
| 9.9.2011 | Lund University | Opponent | Niina Kautto: “Towards More Coherent and Sustainable Biomass Policy Examining European biomass-to-energy planning” |
| 9.9.2011 | Lund University | Member in dissertation committees | Panate Manomaivibool: “Advancing the Frontier of Extended Producer Responsibility: The management of waste electrical and electronic equipment in non-OECD countries” |
| 18.8.2011 | University of Helsinki | pre-examiner | Annukka Berg “The Four Faces of Sustainability Strategy: A multi-frame analysis of Finland’s Programme to promote sustainable consumption and production” |
| 12.11.2010 | University of Tampere | Opponent | Anu Kerkkänen: ”Ilmastomuutoksen hallinnan politiikka: Kansainvälisen ilmastokysymyksen haltuunotto Suomessa” [The politics of climate change governance: Reception of the international concern over climate change in Finland] |
| 14.4.2010 | University of Tampere | pre-examiner | Anu Kerkkänen: ”Ilmastomuutoksen hallinnan politiikka: Kansainvälisen ilmastokysymyksen haltuunotto Suomessa” |

Member of international peer evaluation panels for funding applications

| Year | Funder | Call |
|------|---|---|
| 2014 | Norwegian Research Council | The energy research programme ENERGIX |
| 2013 | Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning (Formas) | The program for bioeconomy |
| 2012 | The Economic and Social Research Council (ESRC) in the United Kingdom | One of the experts assessing the Centre for Climate Change Economics and Policy (CCCEP) |
| 2011 | The Swedish Environmental Protection Agency | Research Programme on the System of Environmental Quality Standards and its Application |
| 2011 | Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning (Formas) | The program on environmental technology |
| 2010 | Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning | The program on environmental technology |

(Formas)

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| 2007 | Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning (Formas) | The Environmental social science research strategic initiative |
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Member of committees for scientific prizes and grants

| Year | Organisation | Committees for prize or grant |
|------|---|---|
| 2017 | The Finnish Society of Sciences and Letters | Preparation committee for Professor E.J. Nyström Prize for scientific accomplishments |
| 2017 | The Finnish Society of Sciences and Letters | Committee for grants in social sciences |

Memberships and positions of trust in scientific and scholarly societies

| Organisation | Function |
|---|--|
| The Finnish Society of Sciences and Letters (a Finnish national science academy) | Ordinary member in the Section of Social Sciences (Elected 2014) |
| American Evaluation Association | Member |
| European Evaluation Society | Member |
| Finnish Evaluation Society | Member (Chairman 2003-5) |
| The Finnish Economic Association | Member |
| Finnish Association for Administrative Studies | Member |

Membership in national or international expert groups

| Organisation/institution | Position | Duration |
|--|---|-----------|
| The National Institute of Economic Research (Sweden) | Member of the Scientific Council for environmental economics | 2015-2017 |
| The European Environment Agency (EEA) | Member of the Scientific Committee, Chair 2017-2018 | 2015-2018 |
| The Strategic Research Council | Chair | 2014-2018 |
| The Academy of Finland | Participant in the board. As the Chair of the Finnish Strategic Research Council I have a right to participate and speak at the meetings of the Board of the Academy. | 2014-2018 |
| The Academy of Finland | Member of the steering group for the evaluation of the Full Economic Cost system | 2014-2015 |
| The Finnish Marine Research Infrastructure FINMARI | Member of the Board | 2014-2019 |
| University of Helsinki | Chairman of the Advisory board of Helsinki University Centre for Environment (HENVI) | 2014- |
| The Finnish Advisory Board on Research Integrity | Member | 2013-2015 |
| The Academy of Finland | Member of the steering group of the assessment of the State of Scientific Research in Finland 2014 | 2013-2014 |
| Forum for Environmental Information (FEI) | Member of the steering group | 2012-2016 |

Experiences as editor

In 2007, I was the editor of the evaluation supplement of the Finnish journal *Hallinnon Tutkimus* (Administrative Studies). It was published as part of the 4th issue 2007 (vol. 26, pp 48-96).

Together with Matthew Birnbaum I co-edited a special issue on Environmental Project, Program and Policy Evaluation for the journal *New Directions in Evaluation*, published by Jossey-Bass of Wiley. The issue (No. 122) was published in June 2009.

In 2009, I was appointed Guest-editor of a special issue of the *Journal of Cleaner Production*, published by Elsevier, the other members of the editorial team were Mikael Hildén, Jyri Seppälä and Matti Melanen. The title of the special issue, volume 19, issue 16, is “*Promoting Transformation towards Sustainable Consumption and Production in a Resource and Energy Intensive Economy – the Case of Finland*” and it was published in the autumn 2011.

Recent experiences as a referee

During the last years I have refereed articles for the following academic journals: *Climate Policy*, *Ecological Economics* (3 times), *Environment & Planning C*, *Environmental Policy and Governance* (2 times), *Environmental Politics*, *Evaluation* (2 times), *Global Environmental Change*, *Journal of Cleaner Production* (5 times), *Journal of Environmental Planning and Management*, *Hallinnon Tutkimus - Administrative Studies* (3 times), *Management Research News*.

I have twice been a reviewer of reports published by the European Environmental Agency and I have reviewed a book proposal for book on eco-innovations for Routledge.

Invited keynote lectures abroad

| Date | Organiser | City | Conference | Title of the lecture |
|-----------|---|---------------------|--|--|
| 15.9.2016 | European Environmental Evaluator's Networking Forum | Copenhagen, Denmark | 5th European Environmental Evaluators Network Forum: Evaluation for better regulation in environment and climate policies – Lessons from research and practice | A theory based assessment of evaluations intended to inform transitions towards sustainability |
| 19.5.2015 | ALTER-Net & the European Commission | Ghent, Belgium | Nature and Urban Wellbeing - Nature-Based Solutions to Societal Challenges | Transformations towards Sustainability: the role of Nature-Based Solutions |
| 11.9.2014 | Australasia Evaluation Society | Darwin, Australia | AES 14: Unleashing the power of evaluation | “Evaluating policies when transformational change is required” |
| 10.4.2013 | European Environmental Evaluator's Networking Forum | Stockholm, Sweden | 2 nd EEEN forum “Evaluating sustainability transitions, with a focus on innovation programmes and environmental policies and objectives” | “Evaluating policies when transformational change is required” |
| 10.2.2012 | European Environmental Evaluator's Networking Forum | Lueven, Belgium | 1 st EEEN forum “Addressing demand side expectations, side effects and methodological challenges of environmental | “Managing complexity: methodological challenges for determining attribution |

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| | | | evaluation in an era of performance-based management” | and contribution” |
| 6.5.2011 | Yale Climate and Energy Institute | New Haven, USA | Intervening to Constrain our Future Selves: Strategic Policy Interventions to address the ‘Super Wicked’ Problem of Climate Change | “The politics and policy dynamics of socio-technical systems transformation: cases from the EU, Finland and the UK” |
| 15.9.2008 | Centre for Ecology & Hydrology | Cambridge, UK | 6 th CEH Annual Conference: Managing Environmental Change Impacts: Challenges for Integrated Research | “Climate Policy Integration, Coherence and Governance” |
| 13.6.2008 | Environmental Evaluator's Networking Forum | Washington DC, USA | | “Implications of Climate Change for Evaluation” |

12. Scientific and societal impact of research

I have published more than 70 publications of which 21 are refereed journal articles, 5 book chapters, 5 unrefereed journal articles, 4 scientific monographs and 1 PhD thesis (see the separate list of publications). Based on Google scholar (27.8.2017) there are more than 1560 references to my publications.

My ten most important publications (ordered, from the most recent to the oldest):

1. **Upham, P., Kivimaa, P., Mickwitz, P., and K. Åstrand 2014.** Climate policy innovation: a socio-technical transitions perspective, *Environmental Politics* 23(5): 774-794.
2. **Mickwitz, P. 2013.** “Policy Evaluation” in *Environmental Policy in the European Union: Actors, Institutions and Processes (3e)*. Routledge: London and New York, 267-286.
3. **Linnér, B.-O., Mickwitz, P. & Román, M. 2012.** Reducing greenhouse gas emissions through development policies: a framework for analysing policy interventions, *Climate and Development* 4(3): 175-186.
4. **Lovio R., P. Mickwitz and E. Heiskanen 2011.** ”Path dependence, path creation and creative destruction in the evolution of energy systems” in *Handbook of Research on Energy Entrepreneurship*, Cheltenham: Edward Elgar Publishing, 274-301.
5. **Mickwitz, P., Hildén, M., Seppälä, J. and Melanen, M. 2011.** Sustainability through system transformation: lessons from Finnish efforts, *Journal of Cleaner Production* 19(16): 1779-1787.
6. **Mickwitz P. and M. Birnbaum 2009.** “Key insights for the design of environmental evaluations”, in Birnbaum M. and P. Mickwitz (eds.) *Environmental Program and Policy Evaluation: Addressing Methodological Challenges*, *New directions for Evaluation* 122, Summer, 105-112.
7. **Mickwitz P., H. Hyvättinen and P. Kivimaa 2008.** The role of policy instruments in the innovation and diffusion of environmentally friendlier technologies: popular claims versus case study experiences, *Journal of Cleaner Production*, 16(S1) S162-S170.
8. **Kivimaa P. and P. Mickwitz 2006.** The Challenge of Greening Technologies – Environmental Policy Integration in Finnish Technology Policies. *Research Policy* 35(5), 729-744.
9. **Mickwitz P. 2003.** A Framework for Evaluating Environmental Policy Instruments: Context and Key Concepts, *Evaluation*, 9(4), 415-436.

10. **Mickwitz P. 2003.** Is it as bad as it sounds or as good as it looks? Experiences of Finnish water discharge limits, *Ecological Economics*, 45(2), 237-254.

Besides the purely academic publications, I have also published 11 reports that have been used in policy making by the Finnish government or regional and local authorities. These include 2 reports published by the Prime Minister's Office and 6 reports published by the Finnish environmental administration.

In order to communicate research findings and insights to a broader audience I have published 9 articles in major Finnish and Swedish newspapers and magazines and participated in several radio and television programmes.

13. Positions of trust in society and other societal merits

| Organisation/institution | Position | Duration |
|--|---|---------------------------|
| The Finnish Ministry of the environment | The foresight network | 2013-16 |
| The European Environment Agency (EEA) | Member of the stakeholder group for the report 'The European Environment: State and Outlook 2015' and other strategic future efforts of the EEA | 2013-14 |
| The Finnish Ministry of the environment | Member of the steering group of the effectiveness evaluation of R&D funded by the Ministry | 2013 |
| The Finnish Ministry of the environment | Member of the working group for developing the steering of SYKE | 2012-2014 |
| The Ministry of Employment and the Economy | Member of the working group on education and research for sustainable mining | 2013 |
| The Finnish Prime Minister's Office | Member of the working group on Developing the Effectiveness Evaluation of Policy Measures | 2009-2011 |
| The Finnish Ministry of the environment | Member of the steering group of the evaluation of Finland's national strategy for sustainable development | 2009 |
| European Union | One of two Finnish members in the Scientific, Technical, and Economic Committee for Fisheries (STECF) | 1995-7 |
| OECD | Ad hoc expert group of Fisheries Economists | 1991-6 Chairman 1993-6 |
