CURRICULUM VITAE
Professor Lena Neij

International Institute for Industrial Environmental Economics (IIIEE), Lund University (LU)
P.O. Box 196 (visiting address: Tegnérsplatsen 4), SE-221 00 LUND, Sweden
Tel: +46 (0)46-222 0222; E-mail: Lena.Neij@iiiee.lu.se; www.iiiee.lu.se

Name: Lena Neij (née Christiansson) **Born:** Lund, Sweden, February 25, 1966
Citizenship: Swedish **Civil status:** Married, two children, born 1997 and 2000

Biography

My research is about the dynamics of a low-carbon economy and the analysis of governance and policy supporting a transformative change in society. The core has been on the development and assessment of methods for analysing the dynamics of energy systems in view of innovation and technical change, i.e. the development, introduction, and diffusion of new technology, and policy measures for effecting and accelerating technical change. The work has included methods of energy modelling, cost dynamics and evaluation and assessment of policy measures. The research, which has been system based and interdisciplinary, has focused on renewable energy, energy efficiency in buildings, and governance at different levels of society, including urban governance.

Academic Background

Education
Docent in Industrial Environmental Economics, Lund Institute of Technology, LU, Sweden, 2004
Ph.D. in Environmental and Energy System Studies, Lund Institute of Technology, LU, Sweden, 1999
M.Sc. in Engineering (Chemical), Lund Institute of Technology, LU, Sweden, 1991

Academic positions

1992-1999	PhD, Environmental and Energy System Studies (EESS), LU.
1999-2003	Assistant Professor, EESS, LU. (Parental leave in 2000-2001).
2003-2003	Associate Professor and Director of graduate studies at EESS, LU.
2003-2006	Associate Professor, Int. Institute for Industrial Environmental Economics (IIIEE), LU.
2006-	Professor, IIIEE, LU.
2010-2018; 2021	Director, IIIEE, LU.

Assignments (selected)

- Member of the Management Board of the European Environmental Agency (EEA) for the European Parliament, 2018-
- Member of the reference group to the Swedish Government's work with increased and strategically oriented Swedish-Chinese collaborations in and promotion of innovation, research and higher education, 2018
- Member of the Board of the Strategic Innovation Programme Viable Cities, 2017-
- Member of the Advisory Council of the Swedish National Board of Housing, Building and Planning, (Boverket) 2016-
- Member of the Swedish Government's Council for Smart Sustainable Cities, 2016-2019
- Chairperson of the Scientific Committee of the Sustainable City Development Conference in Malmö 2016
- Member of the Scientific Advisory Board preparing the declaration the Habitat III Conference on Housing and Sustainable Urban Development, Quito, Ecuador, October 2016
- Member of the Swedish Government's Scientific Council for Sustainable Development, 2015-2018
- Vice Chairman of the IVA South Steering Committee (The Royal Swedish Academy of Engineering Sciences), 2012-2016

- Advisor of the EU Commission on the evaluation of the 'Strategic Energy Technology' (SET) Plan Integrated Roadmap, 2012
- Member of the Evaluation Committee on Infrastructure for Research on the Earth and its Near Surroundings at the Swedish Research Council (Vetenskapsrådet), 2011-2012
- Holder of a UNESCO Chair in Education for Sustainable Development, 2010-
- Participant of the 10th Royal Colloquium focusing on " The Future Urban World", invitation by the Majesty Carl XVI Gustaf of Sweden, 2011
- Member of The Royal Swedish Academy of Engineering Sciences, IVA, 2009-
- Member and co-author of Global Energy Assessment, 2007- 2012
- Member of Energiutvecklingsnämnden (EUN), Decision board for research funded by the Swedish Energy Agency, 2005-2019
- Member of the Editorial board of International Journal of Energy Technology and Policy (IJETP), 2001- ; Member of the Editorial Board of Energy Science and Engineering, 2013-; Member of the Editorial board of Energies, 2019-

Publications

Doctoral thesis

Neij L., (1999), "Dynamics of Energy Systems - Methods of analysing technology change", Doctoral thesis, Department of Environmental and Energy Systems Studies, Lund University

Publications - papers in academic journals, peer- reviewed (selected)

Neij L., (1997), Use of experience curves to analyse the prospects for diffusion and adoption of renewable energy technology, *Energy Policy,* Vol. 23, No. 13, pp. 1099-1107.

Neij L., (1999), Cost dynamics of wind power, *Energy-The International Journal* Vol. 24, No. 5, pp. 375-389.

Neij L., (2001), Methods to evaluate market transformation programs – experience of the Swedish market transformation program, *Energy Policy*, Vol. 29, pp. 67-79.

Neij L., (2003) The Development of the Experience Curve Concept and its Application in Energy Policy Assessment, *Energy, Technology and Policy,* Vol 2., pp. 3-14.

Neij L. and Åstrand K., (2006), Outcome indicators for the evaluation of energy policy instruments and technical change, *Energy Policy,* Vol. 34/17 pp. 2662-2676.

Neij L., (2008), Cost development of future technologies for power generation – A study based on experience curves and complementary bottom-up assessments, Energy Policy, 36, pp. 2200-2211.

Mundaca L., Neij L., Worell E. and McNeil M., (2010), Evaluating Energy Efficiency Policies with Energy-Economic Models, Annual Review of Environment and Resources 35: 305-44

McCormick K., Anderberg S., Coenen L. and Neij L., (2013), Advancing Sustainable Urban Transformation, Journal of Cleaner Production 50, pp. 1-11

Smedby N. and Neij L., (2013), Experiences in urban governance for sustainability: the Constructive Dialogue in Swedish municipalities, Journal of Cleaner Production 50, pp. 148-158

Mundaca L., Mansoz M. Neij L., and Timilsina G.R., (2013), Transaction costs analysis of low-carbon technologies, Climate Policy 13(4), pp. 490-513

Mundaca L., Neij L., Maranda A., Hennicke P., Yan J., (2016), Towards a Green Energy Economy? Assessing policy choices, strategies and transitional pathways, Applied Energy, 179, pp. 1283-1292

McCormick K., Neij L., Mont O., Ryan C., Rodhe H. and Orato R., (2016), Advancing sustainable solutions: A interdisciplinary and collaborative research agenda, Journal of Cleaner Production, 123, pp. 1-4

Strupeit L. and Neij L., (2017), Cost dynamics in the deployment of photovoltaics: Insights from the German market for building-sited systems, Renewable as Sustainable Energy Reviews, 69, pp. 948-960

Neij, L., Heiskanen, E., and Strupeit, L., (2017), The deployment of new energy technologies and the need for local learning, Energy Policy, 101, pp. 274-283.

Zinkernagel R., Evans J., and Neij L., (2018), Allying the SDGs to cities: Business as usual or a new dawn?, Sustainability, 10 (9), pp. 3201

Neij, L., Sandin, S., Benner, M., Johansson, M., and Mickwitz, P. (2020 forthcoming). Bolstering a transition for a more sustainable energy system: A transformative approach to evaluations of energy efficiency in buildings. *Energy Research & Social Science, in press*