

<b>Key Qualifications</b>		<b>Name</b>
<p><i>Senior Researcher</i> with 15 years of work experience in the areas of climate and sustainable development. Experienced project manager and team lead, currently responsible for co-leading the Initiative for Climate Action Transparency (ICAT) methodology development and piloting with a large team of internal and external partners, taking a lead on the ICAT Transformational Change and the ICAT Sustainable Development methodologies. Active researcher in the area of sustainability transition, main supervisor and co-supervisor of several PhD and Master students and Head of PhD Assessment Committees. Staff representative for the union Djøf since 2012, representing 50 staff members in DTU MAN and DTU Wind in annual salary negotiations and in collaboration and local dialogue forums.</p>		<p><b>Karen Holm Olsen</b></p> <p><i>Year of Birth:</i> 1972  <i>Languages:</i> Danish (mother tongue), English (fluent), Spanish &amp; German (some)</p>
<b>Specialization</b>		Position: Senior Researcher, Low Carbon Development Programme, UNEP DTU Partnership, Department of Management Engineering, Technical University of Denmark (DTU)
Impact assessment of climate actions for sustainability transition		
<b>Educational Background</b>		
2007	Denmark	PhD in International Development Studies, Department of Society and Globalisation, Roskilde University
2000	Denmark	Master's degree in Social Science, Department of Political Science, University of Copenhagen
1999	Denmark	Bachelor's degree in Political Science, Department of Political Science, University of Copenhagen
1998	Denmark	Bachelor's degree in Geography, Department of Geography, University of Copenhagen
<b>Employment Record</b>		
2012 - ongoing	Denmark	Senior Researcher, UNEP DTU Partnership
2008 - 2011	Denmark	Researcher, UNEP Risø Centre for Energy, Climate and Sustainable Development
2007-2008	Denmark	Post Doc, UNEP Risø Centre for Energy, Climate and Sustainable Development
2002-2006	Denmark	PhD Candidate, International Development Studies, Roskilde University. Thesis title: 'Climate Policy in Practice. Articles on the CDM and institutional capacity development in Uganda'
2005	Denmark	Consultant, Research Network for Environment and Development, Denmark
2002	Denmark, South Africa	Consultancies: Ministry of Foreign Affairs, Denmark; Pretoria, South Africa
2002	South Africa	Administrator, Forum for Economics and Environment, Pretoria, South Africa
<b>Selected Assignments</b>		
2018 - 2020	Global	Co-supervisor of Master students (2018-19) in collaboration with DTU Quantitative Sustainability Assessment (QSA), now restructured and renamed the 'Sustainability' division in DTU MAN. Co-supervisor of Phd student Felix Laumann, Centre for Environmental Policy, Imperial College London (2018-2020). The supervision of master and PhD students focus on methodology development and testing of impact assessment tools and approaches for sustainability transition.
2018 - 2018	Denmark	Chairman of the PhD Assessment Committee for Lakshmi's PhD titled ' <i>Histories, Policies and Practices: Solar PV Energy Transitions in East Africa</i> ', expected submission end of April 2019.
2018-2019	Global	Project manager and expert reviewer, the DG CLIMA project (2018-19) titled ' <i>Expert support in the science of climate change, including governmental and expert review of draft reports in the IPCC AR6 cycle</i> '. The role as expert reviewer involved assessment of the IPCC Special Report 1.5, Ch. 5 on sustainable development, poverty eradication and reducing inequalities. As project manager I oversee and manage the review of expert teams reviewing two other IPCC special reports (SR2- land and SR3-oceans) and one methodology report on inventory methodologies.

2017-ongoing	Global	Founder & Project manager of the Sustainable Development Dialogue on Implementation of Article 6 of the Paris Agreement under the UNFCCC process in collaboration with the Gold Standard, the International Centre for Trade and Sustainable Development (ICTSD) and about 40 Article 6 negotiators, as well as engagement of civil society and private stakeholder perspectives.
2016 - 2017	Vietnam	Country coordinator, support to NDC implementation in Vietnam focusing on implementation of wind and biogas policies and plan
2016 - 2019	Global	Team lead for development of the Initiative for Climate Action Transparency (ICAT) Transformational Change Methodology and co-lead of the ICAT Sustainable Development Methodology, both in collaboration with WRI to lead and edit the input of Drafting Teams and Technical Working Groups of 20-25 international experts and 8-10 pilot testers conducting case studies.
2016 - 2019	Kenya	Country coordinator, capacity building for development of domestic MRV/transparency systems in Kenya, Initiative for Climate Action Transparency (ICAT)
2016 - 2017	Denmark	Chairman of PhD Assessment Committee, 'Rural electrification through private models: the case of solar powered mini-grid development in Kenya', by Mathilde Brix Pedersen
2015	Denmark	Chairman of PhD Assessment Committee, 'Governance & Community Responses to Floods in Poor Peri-urban Areas. The case of Urban Disaster Risk Reduction & Climate Change Adaptation in Pikine, Senegal' by Caroline Schaar
2014 - 2015	Global	Project manager, Evaluation and Development of proposals for the CDM EB's Sustainable Development Tool. Commissioned by the German Emissions Trading Authority, implemented with Wuppertal Institute
2014 - 2015	Global	Team leader, Indicators for Measuring, Reporting and Verifying (MRV) transformational change for low carbon development in Nationally Appropriate Mitigation Actions (NAMAs)
2014 - 2015	Global	Team leader, Measuring Sustainable Development in Nationally Appropriate Mitigation Actions (NAMAs)
2013 - 2015	Vietnam	Project manager, Facilitating Implementation Readiness for Mitigation Actions (FIRM) in Vietnam. Support to development of Low Carbon Development Strategy for renewable energy and two NAMA proposals for wind and biogas.
2013 - 2018	Denmark	Main PhD supervisor, Working title: 'Transformational Change through Nationally Appropriate Mitigation Actions. The case of the cement sector in Tunisia', by Zyaad Bodo
2012 - 2014	Global	Coordinator, UNFCCC Working group on Nationally Appropriate Mitigation Actions (NAMAs) in the context of sustainable development under the NAMA Partnership ( <a href="http://www.namapartnership.org">www.namapartnership.org</a> )
2012 - 2014	United Arab Emirates	Project manager for capacity development for green growth sector plans in six sectors in UAE: water and electricity, oil and gas, industry, transport, waste and buildings.
2009- 2013	Malawi and Botswana	Project manager for CDM capacity development under the ACP MEAS project. The project has two overall components: 1) Institutional capacity development of Designated National Authorities to approve CDM projects contribution to sustainable development and 2) CDM project development with a focus on the energy and waste sectors in both countries.
2010 - 2014	Denmark	Course manager for a three-week course on Green Energy and Low Carbon Development for private and public sector participants from developing countries in Danida program countries
2012	Global	Team leader, Development of CDM Sustainable Development Tool with the UNFCCC Secretariat. The voluntary SD tool was approved by the Executive Board of CDM at its 70 <sup>th</sup> meeting, November 2012
2012	Ethiopia	Coordinator, Africa Carbon Forum – Promoting Green and Low-carbon Development in Africa, April 18-20, Addis Ababa, Ethiopia. The ACF is organised by the Nairobi Framework Partnership. UNEP Risø was responsible for development of the program, speaker invitations, the conference website and evaluation. More than 800 delegates participated in the conference: ( <a href="http://www.africacarbonforum.com">www.africacarbonforum.com</a> )
2011	Denmark	Contributing author to IPCC Special Report on Renewable Energy Sources and Climate Change Mitigation (SRREN), chapter 11 on Renewable Energy in the context of sustainable development
2008-2015	Denmark	Corresponding editor of the Perspectives series 2008- 2015 respectively titled 'NAMAs and the Carbon Market – Nationally Appropriate Mitigation Actions of developing countries' (2009) and 'A Reformed CDM – including new mechanisms for sustainable development' (2008)
2008	Mauritius	Consultant representing UNEP to develop the carbon finance component as part of an EU-UNDP funded team developing a draft long-term Energy Policy for Mauritius 2007-25

# List of publications

Google Scholar h-index 8, citations 1157

## 2019:

Olsen, K. H., Bakhtiari, F., Duggal, V. K. & Fenhann, J. (Accepted for publication, forthcoming). 'Sustainability labelling as a tool for reporting the sustainable development impacts of climate mitigation actions relevant to Article 6 of the Paris Agreement.' *International Environmental Agreements: Politics, Law and Economics*, 1-24.

Maso, M. D., **Olsen, K. H.**, Dong, Y., Pedersen, M. B. & Hauschild, M. Z. (Abstract selected for special issue, forthcoming). 'Assessing the Sustainable Development impact of Nationally Determined Contributions: the case of mini-grids in Kenya.' *Climate Policy*, 1-34.

## 2018:

ICAT 2018a. 'Sustainable Development Guidance. Guidance for assessing the environmental, social and economic impacts of policies and actions. May 2018 version.' In D. Rich & **K. H. Olsen** (Eds.) ICAT Guidance: 207. Initiative for Climate Action Transparency (ICAT). World Resources Institute (WRI) & UNEP DTU Partnership (UDP).

ICAT 2018b. 'Transformational Change Guidance. Guidance for assessing the transformational impacts of policies and actions.' In **K. H. Olsen** & N. Singh (Eds.) Initiative for Climate Action Transparency (ICAT) Guidance: 108. UNEP DTU Partnership & World Resources Institute.

Boodoo, Z., Mersmann, F. & **Olsen, K. H.** 2018. 'The implications of how climate funds conceptualize transformational change in developing countries.' *Climate and Development*, 1-14.

Olsen, K. H., Taibi, F.-Z., Verles, M. & Braden, S. 2018a. 'Text Proposals: Promoting sustainable development through article 6 of the Paris Agreement.' *Carbon Mechanisms Review*, Oct-Nov:3, 15-21.

Olsen, K. H., Verles, M. & Braden, S. 2018b. 'Aligning the Agendas. A Party-driven Dialogue on Sustainable Development in Context of Article 6 PA.' *Carbon Mechanisms Review*. Berlin: Wuppertal Institute.

Olsen, K. H., Verles, M. & Braden, S. 2018c. 'Sustainable Development Dialogue on Implementation of Article 6 in the Paris Agreement. Version 4.' In U. D. Partnership & G. S. Foundation (Eds.) 16.

Verles, M., Braden, S., Taibi, F.-Z. & **Olsen, K. H.** 2018a. 'Safeguarding Principles and Do-No-Harm Approaches for Climate Actions.' 9. UNEP DTU Partnership & Gold Standard Foundation.

Verles, M., Braden, S., Taibi, F.-Z. & **Olsen, K. H.** 2018b. 'Sustainable Development and Governance in Context of the UNFCCC Process.' 10. UNEP DTU Partnership & Gold Standard Foundation.

## 2017:

Olsen, K. H., Arens, C. & Mersmann, F. 2017. 'Learning from CDM SD tool experience for Article 6.4 of the Paris Agreement.' *Climate Policy*, 1-13.

Boodoo, Z. & **Olsen, K. H.** 2017. 'Assessing Transformational Change Potential: The case of the Tunisian Cement Nationally Appropriate Mitigation Action (NAMA)' *Climate Policy*.

**2016:**

Olsen, K. H. & Fenhann, J. 2016. 'Transformational Change Taxonomy. Methodological framework for the assessment of transformational change in NAMAs. Version 1.' 32. Copenhagen: UNEP DTU Partnership.

Olsen, K. H. & Soezer, A. 2016. 'The Best of Two Worlds. Article 6 mechanisms shall contribute to sustainable development goals (SDGs).' *Carbon Mechanisms Review*, 2016:2, 14-16.

**2015:**

Arens, C., Mersmann, F., Beuermann, C., Rudolph, F., **Olsen, K. H.**, Bakhtiari, F., Hinostroza, M. & Fenhann, J. 2015. 'Reforming the CDM SD Tool. Recommendations for improvement.' 24. Berlin: German Emissions Trading Authority (DEHSt) at the Federal Environment Agency.

Dong, Y. & **Olsen, K. H.** 2015. 'Stakeholder participation in CDM and new climate mitigation mechanisms: China CDM case study.' *Climate Policy*, 1-18.

Olsen, K. H., Bizikova, L., Harris, M., Boodoo, Z., Gagnon-Lebrun, F. & Bakhtiari, F. 2015a. 'Framework for measuring sustainable development in NAMAs.' 47. UNEP DTU Partnership.

Olsen, K. H. & Fenhann, J. 2015. 'Transformational change for low carbon and sustainable development.' *Perspectives 2015*: 108. Copenhagen: UNEP DTU Partnership.

Olsen, K. H., Fenhann, J., Hinostroza, M., Arens, C., Mersmann, F., Rudolph, I. F. & Beuermann, C. 2015b. 'Assessing Usefulness - Do Stakeholders Regard the CDM's SD tool as Practical?' 34. Berlin: Federal Environment Agency Germany.

Filzmoser, E., Voigt, J., Trunk, U., **Olsen, K. H.** & Jegede, A. O. 2015. 'The need for a Rights-based approach to the Clean Development Mechanism.' In K. Lofts & S. Duyck (Eds.) *Public Participation and Climate Governance Working Paper series: 20*. Centre for International Sustainable Development Law (CISDL), Yale University, University of Lapland.

Dong, Y., **Olsen, K. H.**, Filzmoser, E. & Trunk, U. 2015. 'Local Stakeholder Consultations in CDM and New Climate Mitigation Mechanisms - Case Study of a Small Scale Hydropower Project in China.' In K. Lofts & S. Duyck (Eds.) *Public Participation and Climate Governance Working Paper Series: 20*. Centre for International Sustainable Development Law (CISDL), Yale University, University of Lapland.

**2014:**

Arens, C., Mersmann, F., Beuermann, C., Rudolph, F., **Olsen, K. H.** & Fenhann, J. 2014. 'Mapping the Indicators. An Analysis of Sustainable Development. Requirement of Selected Market Mechanisms of Multilateral Institutions.' 1-38. Berlin: German Emissions Trading Authority (DEHSt) at the Federal Environment Agency.

Mersmann, F., **Olsen, K. H.**, Wehnert, T. & Boodoo, Z. 2014. 'From theory to practice: Understanding transformational change in NAMAs.' 1-24. Copenhagen: UNEP DTU Partnership.

**2013:**

Olsen, K. H. 2013. 'NAMAs for sustainable development.' *Mitigation Talks*, 3-4:4-1, 13-18.

**2012:**

Olsen, K. H. 2012. 'Political Conflict and Entangled Social Logics in the Development of Institutional Capacity: Creating a Designated National Authority for the Clean Development Mechanism in Uganda.' *European Journal for Development Research*, 2012:1, 1-17.

**2011:**

Jayant Sathaye, O. L., Atiq Rahman, John Christensen, Fatima Denton, Junichi Fujino, Garvin Heath, Monirul Mirza, Hugh Rudnick, August Schlaepfer, Andrey Shmakin, Gerhard Angerer, Christian Bauer, Morgan Bazilian, Robert J Brecha, Peter Burgherr, Leon Clarke, Felix Creutzig, James Edmonds, Christian Hagelüken, Gerrit Hansen, Nathan Hultman, Michael Jakob, Susanne Kadner, Manfred Lenzen, Jordan Macknick, Eric Masanet, Yu Nagai, Anne Olhoff, **Karen Olsen**, Michael Pahle, Ari Rabl, Richard Richels, Joyashree Roy, Tormod Schei, Christoph von Stechow, Jan Christoph Steckel, Ethan Warner, Tom Wilbanks, Yimin Zhang 2011. 'Renewable energy in the context of sustainable development.' In O. Edenhofer, R. P. Madruga & Y. Sokona (Eds.) *Renewable Energy Sources and Climate Change Mitigation. Special Report of the Intergovernmental Panel on Climate Change (IPCC)*: 707-91. Cambridge, New York, Melbourne, Madrid, Cape Town, Singapore, São Paulo, Delhi, Tokyo, Mexico City: Cambridge University Press.

Lütken, S., Fenhann, J., Hinostroza, M., Sharma, S. & **Olsen, K. H.** 2011. 'Low Carbon Development Strategies A Primer on Framing Nationally Appropriate Mitigation Actions (NAMAs) in Developing Countries.' 16. Roskilde: UNEP Risø Centre.

Lütken, S. & **Olsen, K. H.** 2011. 'Progressing towards post-2012 carbon markets.' *Perspectives*: 138. Roskilde: UNEP Risø Centre.

**2010 & earlier:**

Ansuategi, A., Lucena, A. F. P. d., Boulahya, M. S., Callaway, J. M., Christensen, J. H., Christensen, J., Christensen, O. B., Galarraga, I., Hancock, L., Harrison, M., Markandya, A., Olhoff, A., **Olsen, K. H.**, Ponari, A., Schaeffer, R., Szklo, A. S., Stendel, M., Troccoli, A. & Yang, S. 2010. 'Climate Impacts on Energy Systems. Key issues for energy sector adaptation.' 200. Washington DC: World Bank.

Abdallah, S., Karekezi, S., Kimani, J., Mackenzie, G. A., Muzee, K., Nygaard, I., **Olsen, K. H.** & Shresta, B. 2009. 'Review of national frameworks for involvement of agro-industries in rural electrification.' 129. Roskilde: UNEP Risø Centre.

Olsen, K. H., Fenhann, J. & Hinostroza, M. 2009. 'NAMAs and the Carbon Market. Nationally Appropriate Mitigation Actions of developing countries.' *Perspectives Series*: 1-112. Roskilde: UNEP Risø Centre.

Olsen, K. H. & Fenhann, J. 2008a. 'A Reformed CDM including new mechanisms for sustainable development.' 184. Roskilde: UNEP Risø Centre.

Olsen, K. H. & Fenhann, J. 2008b. 'Sustainable development benefits of clean development mechanism projects: A new methodology for sustainability assessment based on text analysis of the project design documents submitted for validation.' *Energy Policy*, 36:8, 2819-30.

- Fenhann, J. & **Olsen, K. H.** 2008. 'Energy policy for the Republic of Mauritius. Final energy policy. Task F (ii). Carbon finance as an instrument in the energy policy for Mauritius 2008-2025.' 40. Roskilde: UNEP Risø Center.
- Olsen, K. H. 2007. 'The clean development mechanism's contribution to sustainable development: a review of the literature.' *Climatic Change*, 84:1, 59-73.
- Olsen, K. H. 2006a. 'National ownership in the implementation of global climate policy in Uganda.' *Climate Policy*, 5:6, 599-612.
- Olsen, K. H. 2006b. 'Why Planned Interventions for Capacity Development in the Environment Often Fail. A Critical Review of Mainstream Approaches.' *International Studies of Management and Organization*, 36:2, 104-24.