

Pia Piroshka Otte - Curriculum Vitae

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FIELDWORK EXPERIENCE

India, Burkina Faso, South Africa, Mozambique,
Tanzania, Namibia, Botswana, New Zealand,
Norway, Brazil

RESEARCH INTERESTS

Social science research on energy transitions, climate change and rural/urban development. Extensive expertise in interdisciplinary research and a strong methodological background including PRA (Participatory Rural Appraisal) and QCA (Qualitative Comparative Analysis), particularly the computer softwares fsQCA and Tosmana. Passionate lecturer with a strong commitment to teach students about renewable energy and sustainable development in higher education.

PROFESSIONAL EXPERIENCE

- 09.2015-until today **Senior Researcher** at the **Centre for Rural Research (CRR)**, Trondheim
- 10.2014-08.2015 **Postdoc Research Fellow and coordinator** at **TU Darmstadt**, URBANgrad Graduate School "Urban Infrastructures in Transition: The Case of African Cities"
- 07.2014-08.2015 Part time **Senior Researcher** at the **Centre for Rural Research (CRR)** within the project Capture+ Sustainable biochar systems for a zero emission society
- 08.-09.2009 **Internship at the Institute for Sustainable Development & Renewable Energy (IDER)** - Fortaleza, Brazil; Responsibilities included: work with the implementation of the improved woodstove program

EDUCATION

- 01.2010-06.2014 **PhD in Political Science** – Department of Sociology and Political Science – NTNU, Trondheim
- 08.2007-06.2009 **MPhil in Development Studies** – Department of Geography – NTNU, Trondheim
- 10.2003-07.2007 **Magister in Sociology** (courses & exams taken until 2007 were approved as Bachelor in Sociology) Justus-Liebig University Giessen, Germany

ADVANCED TRAINING

- 01.-02.2014 IDELAB "Towards a zero-emissions society" organized by the Norwegian Research Council, Oslo
- 02.-03.2013 Qualitative Comparative Analysis and Fuzzy Set Analysis, KU Leuven

01.-02.2011 Comparative research design and configurational comparative methods, IPSA Summer School São Paulo

WORK HISTORY- RECENT RESEARCH PROJECTS

- 2017-2018 **Solar Food in Mozambique** a documentary about research in a developing country (Solmat i Moçambique – en dokumentärfilm om forskning i ett utvecklingsland) (involved in story line writing and film making) (funded by The Swedish Research Council FORMAS)
- 2017-2020 **COOLCROWD:** Local crowdfunding for a low-emission society: Investigating the concept of local climate crowdfunding for Norway (Project leader, funded by the Research Council of Norway)
- 2016-2019 **BIOSMART:** Transition to a smart bioeconomy (WP 4 Social acceptability - ethics and outcomes) (funded by the Research Council of Norway)
- 2016-2018 Utmark-SIS Outfields between primary production, resource for development and environmental good (WP 2 Industrial expansion in outlying areas - mineral extraction and energy production)
- 2015-2018 **SOLTØRK:** Combined solar and membrane drying technologies for sustainable fruit preservation in developing countries (WP leader) (funded by The Swedish Research Council FORMAS)
- 2015-2014-2017 **COST Action TU1401** Renewable energy and landscape quality (RELY)
- 2014-2017 **CAPTURE+:** Sustainable biochar systems for a zero emission society (WP leader) (funded by the Research Council of Norway)
- 2010-2014 **Cooking with the sun-** a comparative country analysis of Solar Cooking, its adoption and impact on people's lives (PhD project) (funded by the Research Council of Norway)

TEACHING

Lund University

- Guest lecture: „Examining factors influencing social acceptance and distribution of solar PV systems in developing countries“, spring 2017 course Solar Electricity Technology (AEB020).

Technische Universität Darmstadt, Mundus Urbano Master Program

- Lecturer and course coordinator “Research Proposal”, spring 2015.

NTNU, Department of Sociology and Political Science

- Village leader Experts in Team: POL 3801 “Sustainability at home – learning from the developing world”, spring 2014.
- Part time lecturer SOS 3050 “Empirical Research Methods”, spring 2013/14.
- Lecturer and course coordinator POL 3005 “Research Design and Methods for interdisciplinary studies”, spring 2011-14.
- Guest lecture: Energy and Development – The case of Africa, AFR 1002, spring 2012-14.
- Three lectures on energy and development within POL 3517 “International Development”, spring 2011-13.

PUBLICATIONS

Peer-reviewed journals:

2017 Otte, Pia P. Vik, J., Biochar systems: Developing a socio-technical system framework for biochar production in Norway, *Technology in Society*, 51, 34–45.

2016 Otte, Pia, P. Integrating Sustainable Development in Higher Education through Experience-based Learning: Insights from Experts in Team (EiT) for Developing a Combined Theoretical Framework, *Journal of Education for Sustainable Development* 10(1), 1–29.

2014 Otte, Pia, P. Solar cooking in Mozambique - An investigation of end-user's needs for the design of solar cookers, *Energy Policy*, 74, 366-375.

2014 Otte, Pia, P. Warming up to solar cooking - A comparative study on motivations and the adoption of institutional solar cookers in the developing world, *Energy Procedia*, 57, 1632-1641.

2014 Otte, Pia, P. A (new) cultural turn towards solar cooking - Evidence from six case studies across India and Burkina Faso, *Energy Research and Social Science*, 2, 49-58.

2014 Otte, Pia, P. Developing Technology: The quest for a new theoretical framework for understanding the role of technology in human development, *Technology in Society*, 38, 11-17.

2013 Otte, Pia, P. Solar cookers in developing countries - What is their key to success? *Energy Policy*, 63, 375-381.

Books/Reports:

2018 (*in press*), „Zwischen Überfluss und Mangel: Einblicke in die Reparatur städtischer Infrastrukturen am Beispiel der Wasserversorgung in Dar es Salaam“, in: *Kulturen des Reparierens*, (eds.) S. Krebs, G. Schabacher, H. Weber. transcript, Bielefeld.

2017 Maria Kollberg Thomassen, Adam O'Toole, Erik Joner, Roman Tschentscher, **Pia Otte**, Jostein Brobakk, Jostein Vik, Svein Horn, Lars Vik, Trond Halvorsen. *Utvikling og implementering av biokull som klimatiltak i Norge*. SINTEF prosjektnotat, <https://www.sintef.no/globalassets/sintef-teknologi-og-samfunn/avdelinger/arbeids-og-naringsliv/capture-biokull-som-klimatiltak.pdf>

2017 (chapter author), REN21. *Renewables 2017 Global Status Report* (Paris: REN21 Secretariat). ISBN 978-3-9818107-6-9 http://www.ren21.net/wp-content/uploads/2017/06/17-8399_GSR_2017_Full_Report_0621_Opt.pdf

2014 Otte, Pia, P. Sunrise or sunset? - A comparative study on the successful adoption of institutional solar cookers in the developing world, LAMBERT Academic Publishing, Saarbrücken.

2009 Otte, Pia, P. *Cooking with the sun - An analysis of Solar Cooking in Tanzania, its adoption and impact on development*. VDM Verlag, Saarbrücken.

Conference proceedings:

2014 Otte, Pia, P. Mapping global impact data for solar cooking: a case study SCInet Solar Cooking Convention, Sacramento 17-19th July.

2014 Otte, Pia, P. Relevant factors for the successful adoption of institutional solar cookers, SCInet Solar Cooking Convention, Sacramento 17-19th July.

2012 Otte, Pia, P. The impact of spiritual commitment on the social adoption of institutional solar cooking - The case of the Brahma Kumaris, Eurosun conference 2012, Rijeka, Croatia.

2011 Otte, Pia, P. Limits and possibilities of institutional solar cooking in Mozambique, Solar World Congress 2011, Kassel.

2008 Otte, Pia, P. Solar cookers for developing countries - A competitive form of alternative energy supply? The Use and Study of Renewable Energy Sources 2008, Estonian University of Life Sciences, Tartu.

Popular science publications:

2016 Otte, P., Brobakk, J. *Biokull – landbrukets «klimagull»?* Kronikk Nationen, 08.10.2016.

2016 Otte, P., Brobakk, J. *Biokull som klimatiltak i norsk landbruk*, Facts 1/16, Centre for Rural Research.

2014 Teknologi for de fattige?, Aftenposten Viten, 23.04.2014,
<http://www.aftenposten.no/viten/Teknologi-for-de-fattige-7540003.html#.U1fJdvmSxBI>

2013 TEDx talk Trondheim salon event “Re-thinking Green: What I learned from cooking with the sun”
(23.04.2013) <https://www.youtube.com/watch?v=ddjRS08LSh4>

2011 Otte, Pia, P. Novela, A., Kanimambo Mocambique - Vorstellungen über Mosambik - Von Krieg und Armut zu Frieden und Schönheit, Mosambik Rundbrief 82. Mit Leichtigkeit und Humor - Kunst und Kultur in Mosambik.

CONFERENCE/SEMINAR PRESENTATIONS (2015/2017)

Energy Impacts, Bergen, oral presentation: “The contested image of wind energy–Investigating the sustainability potential of Europe’s largest onshore wind power project in Central Norway”, 28.02-02.03.2017.

3rd Energy and Society Conference, Leipzig, oral presentation: “Solar membrane fruit drying for Mozambican farmers – A needs assessment”, 12-14.09.2016.

IRSA, XIV World Congress of Rural Sociology, Toronto, oral presentation: “Improving synergies: Building knowledge of biochar among Norwegian farmers”, 10.-14.08.2016.

SENIX, The Role of Social Sciences in a Low-Carbon Energy Mix, Stockholm; plenary session speaker: “Zero Emissions, Zero Conflict: How to make interdisciplinary research on energy successful”, 13.-15.06.2016.

Agrifood XXII, Queenstown, oral presentation: “Developing an analytical framework for the successful implementation and dissemination of Integrated Food Energy Systems (IFES)” 05.-09.12.2015.

Seminar, “Envisioning user perspectives - Insights from two case studies investigating the long-term adoption of innovative renewable energy technologies”, CSAFE Otago University New Zealand, 27.08.2015.

Seminar, “Acceptance or rejection: Introducing institutional solar cookers in the developing world”, University of Auckland, 12.08.2015.

Frühjahrstagung der Sektion Wissenschafts-und Technikforschung TU Dortmund 2015, oral presentation: A shift from coexistent to flexible socio-technical systems for sustainable urban development – The case of energy and water infrastructures in Dar es Salaam, 12.-13. 06 2015.

REVIEWER

- Energy Research & Social Science
- Energy Policy

LANGUAGES

German	Native speaker
English, Norwegian	Fluent
Portuguese	Basic notions (B1)
Spanish	Basic notions (A1)