

# Pia Piroshka Otte - Curriculum Vitae

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**Date of birth:** 19.05.1984

## Fieldwork experience

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

## Research interests

Social science research on energy transitions, agricultural technology development in the Global South, development studies, climate change, crowdfunding, and sustainable business models. Extensive expertise in interdisciplinary research, participatory methods and qualitative comparative analysis (QCA).

## Professional experience

04.2021-now	<b>Research Manager at Ruralis</b>
09.2015-now	<b>Senior Researcher at Ruralis</b> – Institute for Rural and Regional Research
09.2018-now	<b>Research Affiliate</b> , Centre for Sustainability, University of Otago, New Zealand
07.2018-05.2020	<b>Researcher/coordinator at NTNU Sustainability</b> , Cluster C - Climate change mitigation and adaptation (33%)
10.2018-12.2018	<b>Visiting scholar</b> University of Western Australia, School of Agriculture and Environment; University of Otago, Centre for Sustainability
10.2014-08.2015	<b>Postdoc Research Fellow and coordinator at TU Darmstadt</b> , URBANgrad Graduate School "Urban Infrastructures in Transition: The Case of African Cities"

## Education

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

## Work history- Recent research projects (with either project or WP leader role and where I took part or led the proposal writing work)

2021-now	<b>COOLCROWD 2.0</b> Testing of a local crowdfunding concept for financing climate mitigation measures in Norwegian agriculture ( <b>Project leader</b> , funded by the Research Council of Norway)
2021-now	<b>PES Horizon Europe Framework grant</b> for 2021 and 2022 ( <b>Project leader</b> )
2021-now	<b>Solar Food:</b> Reducing post-harvest losses through improved solar drying ( <b>WP1 leader</b> , "Study on socio-economic, cultural constraints and possibilities as well as entrepreneurship" funded by the Swedish Research Council)
2021-now	<b>Civic Renewables:</b> Collaborative approaches to civic renewable energy for sustainable rural development and land use ( <b>WP2 leader</b> , "Identifying determining factors for successful inclusive community RE engagement", funded by the Research Council of Norway)
2019-2021	<b>Sustainable Food Systems for poverty and hunger alleviation in Low Income Countries</b> ( <b>WP2 leader</b> , Sustainable value chain development for Cashew Nuts in Mozambique, internally funded Ruralis)

- 2017-2021 **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)
- 2017-2019 **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 for Environment, Agricultural Sciences and Spatial Planning, FORMAS)
- 2015-2019 **SOLTØRK** - Combined solar and membrane drying technologies for sustainable fruit preservation in developing countries (**WP leader**) (funded by The Swedish Research Council FORMAS)
- 2015-2018 **Capture + (WP leader)** 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)

## Publications

### International peer-reviewed journals & book chapters:

My citation count based on Scopus is 129 (h-index = 6; December 2021).

- 2021 **Otte, Pia P.** What makes people act climate-friendly? A decision-making path model for designing effective climate change policies, *Current Opinion in Environmental Sustainability*, 52, 132-139.
- 2021 Bernardo, Ricardo; Davidsson, Henrik; Samuelsson, Peter; Bengtsson, Gustaf; Döhlen, Viktor; Olsson, Joakim; Phinney, Randi; **Otte, Pia, P.**; Tivana, Lucas Daniel; Andersson, Martin; Rayner, Marilyn. Combined solar and membrane drying technologies for sustainable fruit preservation in low-income countries – prototype development, modelling, and testing. *Solar Energy Advances* 2021 ;1.
- 2021 Farstad Maja, **Otte, Pia, P.** A full package of gains? Lay perspectives on a bioeconomic transition. (*International Journal of Sustainable Society*, 13(2), 73-89.
- 2021 Kragt, M.E, Burton, R., Zahl-Thanem, A., **Otte, Pia, P.** Farmers' interest in crowdfunding to finance climate change mitigation practices, *Journal of Cleaner Production*, 321, 128967.
- 2021 Mæhle, Natalia, **Otte, Pia, P.**, Huijben, B., De Vries, J. Crowdfunding for climate change: Exploring the use of climate frames by environmental entrepreneurs, *Journal of Cleaner Production*, 314, 128040
- 2020 Mæhle, Natalia, **Otte, Pia, P.**, Drozdova, N. "Crowdfunding Sustainability." Shneor, R., Zhao, L., and Flåten, B-T. (eds). *Advances in Crowdfunding Research and Practice*. Palgrave MacMillan, p.393-422.
- 2020 Farstad Maja, **Otte, Pia P.**, Thorseth May-Britt. "Bioøkonomien i møte med samfunnet», in *Etter oljen: vår bioøkonomiske fremtid*, Rob Burton, Magnar Forbord, Eirik Magnus Fuglestad and May-Britt Ellingsen (eds.), Cappelen Damm Akademisk, p. 71-86.
- 2018 **Otte, Pia, P.**, Bernardo, R., Phinney, R., Davidsson, H., Tivana, L.D. "Facilitating integrated agricultural technology development through participatory research", *The Journal of Agricultural Education and Extension*, 24(3), 285-299.
- 2018 **Otte, Pia, P.**, Tivana, L.D., Phinney, R., Bernardo, R., Davidsson, H. "The importance of gender roles and relations in rural agricultural technology development: a case study on solar fruit drying in Mozambique", *Gender Technology and Development*, 22(1), 40-58.

- 2018 Eiter, S., Fjellstad, W., **Otte, Pia, P.**, Rønningen, K., «Norway», in: Renewable Energy and Landscape Quality, (eds.) Roth et al., JOVIS, Berlin.
- 2018 **Otte, Pia, P.**, Rønningen, K., Moe, E. «Contested wind energy: Discourses on energy impacts and their significance for energy justice in Fosen» in: Energy impacts and contested futures,(ed.) A. Szolucha, Routledge.
- 2018 Kruse, Alexandra; Marot, Naja; Alduk, Zlata Dolacek; Benediktsson, Karl; Bottarelli, Michele; Brito, Paolo; Centeri, Csaba; Eiter, Sebastian; Frantál, Bohumil; Frolova, Marina; Gaillard, Bénédicte; Grónás, Viktor; Häyrynen, Maunu; Hernández-Jiménez, Veronica; Hewitt, Richard; Hunziker, Marcel; Kabai, Róbert; Karan, Isidora; Lachowska, Malgorzata; Martinat, Stanislav; Martinopoulos, Georgios; Mestre, Nieves; Mickovski, Slobodan B.; Miller, David; **Otte, Pia**; Morenes Munoz-Rochas, José Rafael; Röhner, Sina; Roth, Michael; Schroth, Olaf; Sconamiglio, Alessandra; Slupinski, Mateusz; Stremke, Sven; Teschner, Na'ama. Glossary on Renewable Energy and Landscape Quality - the Glossary. Tájökölógiai lapok, 16.(S2), 7-96.
- 2018 **Otte, Pia, P.** „Zwischen Überfluss und Mangel: Einblicke in die Reparatur städtischer Infrastrukturen am Beispiel der Wasserversorgung in Dar es Salaam“, in: Kulturen des Reparierens Dinge – Wissen – Praktiken, (eds.) S. Krebs, G. Schabacher, H. Weber. transcript, Bielefeld.
- 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:

- 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.

#### Reports:

- 2021 **Otte Pia, P.** (red.), Natalia Mæhle, Sissel Hansen, Maja Farstad, Olav Soldal, Per Espen Stoknes, Catherine Banet (2021). Sluttrapport Coolcrowd – en veiledning for lokal folkefinansering av klimatiltak i landbruket, Ruralis report (R-2/21) Trondheim.

- 2019 **Otte, Pia, P.**, Zahl-Thanem, A., Hansen, S., Mæhle, N. Norwegian farmers' willingness to participate in a local climate crowdfunding program – results from a national survey. Ruralis report (R-5/19), Trondheim.
- 2017 Sovacool, B., Appavou, F., **Otte, Pia, P.** «Distributed Renewable Energy for Energy Access» (chapter 3), in 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](http://www.ren21.net/wp-content/uploads/2017/06/17-8399_GSR_2017_Full_Report_0621_Opt.pdf)

#### Popular science publications:

- 2020 **Otte Pia, P.**»Biokull som klimatiltak gjennom lokal folkefinansiering» NTNU Kveld: Siste utvei – nye og drastiske klimaløsninger? NTNU Kveld, Dokkhuset, 22.01.2020. <https://www.youtube.com/watch?v=HTledxu2FK4>
- 2020 **Otte Pia, P.**»Klimatiltak i landbruket og lokal folkefinansiering» NRK Frokostradio, 22.02.2020 <https://radio.nrk.no/serie/frokostradio/DMTL10001520/22-01-2020>
- 2018 **Otte Pia, P.** Lokal folkefinansiering av klimatiltak. Pengevirke Cultura Bank, Nr. 2018/4. <https://www.cultura.no/arkiv/pengevirke/lokal-folkefinansiering>
- 2018 **Otte, Pia P.** 235 SunPod-Interview: Dr. Pia Otte – Developing solar energy technologies for and with people, <http://www.sunpod.de/tag/pia-otte/> (uploaded 24.06.2018)
- 2018 **Otte Pia, P.** – «Bønder som pionerer i klimakampen». Kronikk Nationen, 04.01.2018.
- 2017 Ståhl, L.H., **Otte, Pia, P.** Bernardo R. “The village of the yellow tire” (documentary of solar drying in Mozambique).
- 2016 **Otte, Pia, P.** Brobakk, J. Biokull – landbrukets «klimagull»? Kronikk Nationen, 08.10.2016.
- 2014 **Otte, Pia, P.** Teknologi for de fattige?, Aftenposten Viten, 23.04.2014, <http://www.aftenposten.no/viten/Teknologi-for-de-fattige-7540003.html#.U1fJdvmSxBI>
- 2013 **Otte, Pia, P.** 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.

#### Other relevant professional experiences:

2021	Certified Equine Assisted Learning Facilitator at Equine Connection Canada in collaboration with Leading Edge Professional Development, Australia
2020	Peer reviewer for Danida Fellowship Centre, Denmark
2019-now	Stable manager at Stall Brålykkja <a href="https://www.stallbraalykkja.no/">https://www.stallbraalykkja.no/</a>
2019-2020	Employee representative, steering group Ruralis, Norway
2015-now	Reviewer for Energy Research & Social Science; Energy Policy; Gender, Technology and Development; Baltic Journal of Management, Journal of Human Development and Capabilities