



PED-EU-NET | COST ACTION CA19126

Positive Energy Districts European Network



COST PED-EU-NET WORKSHOP: MAKING LOW-CARBON PLACES
For a special issue of the Norwegian Journal of Geography
Stavanger, Norway – 24 & 25 March 2022

General information

- **The venue:**

Department of Media and Social Sciences, Elise Ottesen-Jensens Hus,
University of Stavanger, Kjell Arholms gate 23, 4021 Stavanger, Norway

- **From Stavanger city centre**

Take bus 6, 7 or X60 (15 minutes)

Workshop programme

23 March: In-person workshop participants arrive in Stavanger, pub meet-up at 20:00 at Martinique, Nytorget 14, 4013 Stavanger (food can be ordered in from several good restaurants nearby)

24-25 March: Paper development and integration workshop at the University of Stavanger

15 April: Full paper submission deadline for review to the Norwegian Journal of Geography

Sessions (* denotes presenting authors)

Note on format: We devote 45 minutes to each paper, with three papers per 150-minute session, and 5-10 minute breaks in between each paper to stretch our legs and minds. Authors have 10 minutes to make headline comments, discussants have 10 minutes to offer their feedback, followed by 20 minutes of inputs from other workshop participants, with 5 minutes for authors at the close.

24 March

9:00-11:30 – **Cluster 1: Places and scales of transition**

- Living Within the Truth of Climate Change: how are real low-carbon places to be made? – Kate Pangbourne* [discussant: Bjørn Melås]
- Place-based low-carbon transitions: A multiplicity of scales – Ami Crowther*, Saska Petrova, James Evans, Kate Scott [discussant: Pablo Astorga]
- Where are low carbon places made? Tracing wired socio-technical relationships in electricity infrastructure systems – Torik Holmes*, Rebecca Windemer* and Carla De Laurentis [discussant: Anne Karam]

11:30-13:00 – Lunch and walk in the botanical gardens

13:00-15:30 – **Cluster 2: Low-carbon place-making**

- Places of urban gardening – Bjørn Melås* [discussant: Aliyu Barau]
- Low-carbon urban retrofitting: possible, but not desired? A research by design analysis – Alejandro de Castro Mazarro*, David Hick, Johanna Amtmann, Andreas Ammon, Sarah Mosavi [discussant: Ryan Stock]
- Making carbon footprint estimations accessible for ordinary places: the case of Quilicura brickmakers – Juan Pablo Astorga*, Nelson Sepúlveda, Valeria Ferrada [discussant: Ami Crowther]

18:00-21:00 workshop dinner downtown Stavanger

25 March

9:00-11:30 – **Cluster 3: Contextualising low-carbon transitions**

- Suriya-shakti-sharir: Embodying India's solar energy transition – Ryan Stock* [discussant: Torik Holmes]
- Exploring Seed Ideas for Recreating Zero Carbon African Urban Industrial Landscapes – Aliyu Barau* [discussant: Kate Pangbourne]
- "We Have Been Invaded:" Infrastructural Colonization, Green Grabbing, and Other Implications of Norwegian Wind Power for Lived Experiences of Citizenry – Anne Karam*, Shayan Shokrgozar* [discussant: Rebecca Windemer]

11:30-12:30 – Lunch

12:30-13:00 – visioning exercises

13:00-14:00 – towards synthesis (discussion of editorial – *Making low-carbon places* – Siddharth Sareen, Jens Fisker, Shayan Shokrgozar, Thomas Sattich)

Author bios

*Dr Kate Pangbourne is a University Academic Fellow at the Institute for Transport Studies (University of Leeds). Identifying as a geographer, she has qualifications include MA in Philosophy with English Literature; MSc in Sustainable Rural Development and PhD in Geography (Transport Governance). Her research is oriented towards shifting our transport system and individual choices towards greater environmental sustainability, social inclusion and meaningful prosperity. She is

particularly interested in the implications of rapid technological change for people, mobility and place. Current work includes investigating persuasive messaging, the role of smartphone technologies and the societal challenges posed by self-driving vehicles and new concepts such as Mobility as a Service.

*Ami Crowther – University of Manchester

A PhD researcher at the University of Manchester funded by the EPSRC through the Power Networks CDT. Her research focuses on the governance of Greater Manchester's low-carbon transition, considering the actors, infrastructures and institutions involved. She is particularly interested in the power dynamics and multi-scalar relationships embedded within low-carbon transitions.

Dr Saska Petrova – University of Manchester

A Senior Lecturer in Human Geography at the University of Manchester. Research interests include precarity, environmental politics, energy and communities.

Prof James Evans – University of Manchester

A Professor in Geography and current Head of Department at the University of Manchester whose research focuses on how cities learn to become smarter and more sustainable.

Dr Kate Scott – University of Manchester

A Presidential Fellow Researcher at the University of Manchester, conducting research on a climate compatible Industrial Strategy in the UK.

*Torik Holmes is a Research Associate at the Sustainable Consumption Institute (SCI), The University of Manchester. Torik has published papers on the constitution of energy demand and related challenges in cities over time. He has also written about the sustainability implications of lockdowns in response to Covid-19. The intersections between practices of consumption and provision, and the associated spatial and temporal dimensions of sustainability, lie at the core of Torik's research.

*Rebecca Windemer is a Lecturer in Environmental Planning at the University of the West of England. With a background in human geography and planning, her research focuses on the regulation of energy infrastructure and the ways in which the planning system can help address climate change. She has published papers on end-of-life decision making for renewable energy infrastructure and on the implications of temporary planning consents for energy infrastructure.

Carla De Laurentis is a Lecturer in the School of Management, Cardiff Metropolitan University. With a background in economics, innovation and economic development, and expertise in the geography of innovation and the role of policy, she has researched the mechanisms that lead to an effective diffusion of renewable energy technologies, energy efficiency and urban-scale retrofit. Her research interest focuses on the role of regions in energy transitions and how energy networks influence technological innovation and renewable energy deployment. She has published on the role of regions in the dynamics of innovation and transformation of the energy sector towards sustainability.

*Bjørn Inge Melås is an architect currently employed at the Department of Architecture and Planning at NTNU. Through his artistic Ph.D project Ecologies of urban gardening he has initiated and followed three urban gardening projects in Trondheim, exploring the potentials of urban gardening for transforming the mental, social and physical ecologies as a way of dealing with the ecological crisis. The findings of the projects are disseminated through activism, texts, videos, pictures, installations and exhibitions.

*Alejandro de Castro Mazarro investigates the local and spatial dimensions of globally produced inequalities. Departing from a critique of the ecological modernization discourse, he analyzes the impacts of resource overconsumption in informal and segregated urban areas, and explores

procedural and redistributive justice scenarios for a just transition towards sustainability. Prior to joining IÖR De Castro Mazarro engaged in these topics as an urban planning lecturer and the coordinator of the Latin American research laboratory at Columbia University, and as a visiting professor at Harvard University, TU Darmstadt and UIC Barcelona among others. As a registered architect, he has also proposed urban upgrading awarded proposals in Spain.

Co-authors: David Hick (TU-Dresden, Dresden), Johanna Amtmann (Urban Catalyst, Berlin), Andreas Ammon (RKA Architekten, Dresden), Sarah Mosavi (RKA Architekten, Dresden)

*Juan Pablo Astorga, Architect from Universidad Católica de Chile. MSc in Regional and Urban Planning Studies RUPS, Geography Department, London School of Economics and Political Science. Lecturer in Urban Planning and Sustainability, School of Architecture, Universidad Central de Chile. Santiago de Chile.

Nelson Sepúlveda, PhD in Science and physics at Universidad de Santiago de Chile. Postdoctoral research in Physics at Universidad de Aysén, Chile. Lecturer in Physics and Mathematics. Specialized in applied Arduino technology. School of engineering, Universidad Central de Chile. Santiago de Chile.

Valeria Ferrada, Research assistant, student at the School of Architecture, Universidad Central de Chile. Santiago de Chile.

*Ryan Stock is an Assistant Professor in the Department of Earth, Environmental and Geographical Sciences at Northern Michigan University. He is a political ecologist whose work examines environmental justice, the political economy of environmental change, intersectional social difference, development interventions and agrarian transformation.

*Aliyu Barau, PhD is an Associate Professor in Urban and Regional Planning at Bayero University Kano, Nigeria where he headed the Planning Department for the period 2017 to 2020. He is currently the Director of the West Africa Hub of the Urban Climate Change Research Network of the Earth Institute, Columbia University. He and Sarah Colenbrander in 2019 guest edited a special issue on *Planning and financing urban development in the context of the climate crisis* in the *International Journal of Urban Sustainable Development* (Taylor and Francis). Aliyu was a member of the scientific steering committee of the first IPCC Cities and Climate change conference held in 2018 in Edmonton, Canada and recently served in the same capacity for the 2021 Innovate for Cities conference organised by the UN Habitat and Global Covenant of Mayors for Climate and Energy. He served as keynote speaker in the 2021 'Decentering Urban Climate Finance: Relational Comparison in Theory and Practice' workshop organized by Climate Finance Network. His publications on climate change and cities feature in top journals: *Nature* and also in *Nature Climate Change*.

*Anne Karam is a Research Master's student in International Development Studies at the University of Amsterdam (graduating 2022). She is interested in questions of environmental justice in the era of mass renewable energy development and deployment, drawing from the discipline of Political Ecology and focusing on processes of capitalization and the mainstreaming of the green growth model. In her current thesis project, Anne is investigating the wind energy process in Norway, from project application and consultation to construction, through the lens of land and green grabbing and the theoretical backdrop of Nature™ Inc.

*Shayan Shokrgozar is a Ph.D. Fellow at the Centre for Climate and Energy Transformations at the University of Bergen. They are an interdisciplinary researcher whose work draws from the disciplines / sub-disciplines of Political Ecology, Critical Agrarian Studies, and Anarchist Geography, among others. Shayan is part of a Research Council of Norway funded project ASSET which investigates just multi-scalar rollout of solar energy infrastructure in Rajasthan and Portugal. Shayan's research interests include Degrowth, Post-development, and the implementation of convivial energy systems.

Note: The full list of workshop participants includes both in-person and remote attendees in hybrid mode (remote participation limited to paper authors) and pre-registered in-person local participants. Draft versions of manuscripts are pre-circulated on 8 March 2022 to this limited set of researchers.

Acknowledgements

This publication is based upon work from COST Action Positive Energy Districts European Network (PED-EU-NET), supported by COST (European Cooperation in Science and Technology).

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