

PROGRAMME





How do we prioritise climate action?

Society is inevitably moving beyond oil.

However, ambiguous targets and plans for phasing out fossil fuels are not sufficient for solving the climate emergency. Climate action must be a priority across all areas of society. We must ask ourselves what it means to prioritise climate action - for the individual, our economy, our political decisions, and our societal institutions.

How can we overcome simplistic binaries between welfare and convenience on one hand, and responding to the climate emergency on the other?

How do we mobilise the societal change necessary to make prioritisation of climate action a reality?

#BeyondOil2021

@UiBCET

BEYOND - **DIL**: Prioritising climate action

Welcome to the fourth Beyond Oil conference!

During this year's conference, we are asking what it means to prioritise climate action in our complex societies. Scholars from a range of disciplines have signed up to help us unpack and explore the role of climate change today and the potential outcomes of making climate action a top priority now and in the future. There are more parallel sessions than ever before and we are so excited to meet all the physical and virtual Beyond Oil 2021 participants.

Thank you to the amazing keynotes and the presenters who have submitted such interesting abstracts (make sure to check out <u>the book of abstracts</u>!).

Like many other things, the planning of this year's conference has been heavily influenced by the COVID-19 pandemic and the continuously changing restrictions. For the first time, we are organising the conference as a hybrid event, and we are ready to learn from the experience. Those of you who have attended the conference in previous years will notice that we've also had to make some changes to our beloved presentation format – this year, the 8-minute presentations will be followed by a panel conversation rather than our usual 'corner dialogues'.

We would appreciate feedback in regard to what works and what does not work, for us to consider for our next conference.

We hope you enjoy the conference!

Beyond Oil 2021 Committe

Centre for Climate and Energy Transformation (CET) University of Bergen

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Short programme

Wednesday 20^{th}

08:30	Registration and coffee	Fossestova + Brasseriet
09:15	Opening of Beyond Oil 2021 By Håvard Haarstad, Director of Centre for Climate and Energy Transformation. Music by Ingrid Horvei Lyslo	Auditoriet
09:30- 11:20	Keynote 1: Who can do what to stop catastrophic climate change? + Navigating race, representation and climate action By Kim Nicholas and Charles Ogunbode Moderator: Brooke Wilkerson	Auditoriet
11:30	Lunch	Brasseriet
12:30- 14:00	Parallel session 1: - Engaging the public in support of sustainable transitions (stream) - Decarbonising the energy sector - Public perspectives on sustain-able transport - Policy cooperation in the transport sector	Auditoriet Olav H. Hauge Alver Zinken Hopp
14:00	Coffee break	Brasseriet
14:30- 15:50	Parallel session 2: - Innovation towards low carbon futures (stream) - Space and time dimensions - Motivations for action - Portrayals of public concern	Auditoriet Olav H. Hauge Alver Zinken Hopp
16:00- 17:30	Keynote 2: Prioritizing climate change in theory and practice Introduction by John Broome and panel discussion with Natalia Golis, John Broome, and Vigdis Vandvik Moderator: Scott Bremer	Auditoriet
19:00	Conference dinner	Skyskraperen

Thursday 21st

09:30	Coffee and snack	Brasseriet
10:00- 11:30	Parallel session 3: - Changing systems and infrastructure (stream) - Justice implications - A politics of disassembly or a politics of reconnection? - The role of policy actors and their perspectives	Auditoriet Olav H. Hauge Alver Zinken Hopp
11:30	Lunch	Brasseriet
12:30- 14:00	Keynote 3: There is no 'l' in individual: the need to connect personal, collective and systemic climate action By Stuart Capstick Commentator: Camilla Houeland Moderator: Shayan Shokrgozar	Auditoriet
14:00	Coffee break	Brasseriet
14:30- 15:50	Parallel session 4: - Power and energy justice (stream) - Structures and institutions for climate justice - Institutional perspectives on climate action	Auditoriet Olav H. Hauge Alver
16:00- 16:30	Closing panel Moderator: Agnete Hessevik	Auditoriet
17:00	Conference closes	



08:30

Registration, coffee and snack

Room: Fossestova + Brasseriet

09:15

Opening of Beyond Oil 2021

Room: Auditoriet

By Håvard Haarstad, Director of Centre for Climate and Energy

Transformation

Music by Ingrid Horvei Lyslo

09:30 - 11:50 **Keynote 1**

Who can do what to stop catastrophic climate change? + Navigating race, representation and climate action

Room: Auditoriet

Moderator: Brooke Wilkerson

Kimberly Nicholas

Associate Professor of Sustainability Science and Director of PhD Studies at Lund University Centre for Sustainability Studies (LUCSUS) kimnicholas.com @KA Nicholas

Read more at page 28

Charles Ogunbode

Assistant professor of Applied Psychology at University of Nottingham

Read more at page 29

Engaging the public

Room: Auditoriet (Stream)

Gisela Böhm	University of Bergen	Public perceptions of the who, what, and why of energy transition pathways
Katharina Biely	Delft University of Technology	Behavioral change for a socio- economic transition: linking system with individual behavior in complex systems
Pinar Majidova	University of Aberdeen	Power struggle in climate change issues
Thomas Y. Chen	Academy for Mathematics, Science, and Engineering	Empowering Citizen Scientists through Machine Learning Tools for Collective Climate Action

Decarbonizing the energy sector

Room: Olav H. Hauge

Siddharth Sareen	University of Bergen	Conceptualising fossil fuel displacement: Scales and practices of legitimation
Erling Moxnes	University of Bergen	The economics of future oil production
Rebekka Frøystad	Chalmers University of Technology, Gothenburg, Sweden	An investigation of the physical and societal limits to hydroelectric power generation and storage in Western Norway
Amber Nordholm	Norwegian University of Science and Technology	Accelerating complex and contested technology to meet climate goals: A carbon capture study

Public perspectives on sustainable transport

Room: Alver

Annina Thaller	University of Graz, Austria	Pushing low-carbon mobility: A survey experiment on the public acceptance of disruptive policy packages
Devyn Remme	University of Bergen	Mind the gap: Commoning urban mobility in Bergen, Norway
Thea Valler	Norwegian University of Science and Technology	Rebuilding a Bike Kingdom: the Case of a Chinese Bicycle Highway
Mari Helliesen	University of Bergen	Framing effects on climate policy support: The role of values and ideology

Policy cooperation in the transport sector

Room: Zinken Hopp

Cecilie Gro Vindal Ødegaard	University of Bergen	Automation Shift for the Energy Shift? An explorative case from Killingøy, Norway
Agnete Hessevik	University of Bergen	Effects of network membership on green strategies in offshore shipping companies
Rafael Rosales	University of Bergen	Participatory planning for sustainable urban logistics transport

Innovation towards low carbon futures

Room: Auditoriet (Stream)

Viktor Werner	Linköping University	From collective decision- making to transition agendas: aligning problems, solutions and institutional contexts in demonstrations
Geoff Isaac	University of Technology Sydney	Confronting the plastic crisis
May Lee	Tohoku University, Japan	Assessment of the Clean Energy Strategies of Oil Majors: Words, Dollars and Actions
Thomas M. Sattich	University of Stavanger	The Norwegian shipping industry and decarbonization. With a proactive regulatory strategy towards growing global demand for climate technology?
Per-Anders Langendahl	Swedish University of Agricultural Sciences	The politics and power struggles of intermediation in shaping niche innovation trajectories: a longitudinal case study on development and uptake of demand response in the UK

Space and time dimensions

Room: Olav H. Hauge

Martin Wetterstedt	Uppsala University	Policies and measures to prioritize climate action - Can budgeting help and what else is needed?
Hedda Susanne Molland	University of Bergen	Reinventing carbon capture and storage: Political justifications for a new Norwegian strategy in 2014
Subina Shrestha	University of Bergen	Cities' Climate Action: Interlinkages, experiences and planning frameworks
Simon Neby	University of Bergen	Time and climate governance: multi-level cooperation as a multi- temporal problem

Motivations for action

Room: Alver

Marius Korsnes	Norwegian University of Science and Tech- nology	Matters of Concern in the Norwe- gian Sustainability Transition
Eleanor Johnson	University of Oslo	Beyond the spectacle: Extinction Rebellion Norway
Kjersti Fløttum	University of Bergen	People's expressed motivations for action and change of everyday lifestyle

Portrayals of public concern

Room: Zinken Hopp

Michaël Tatham	University of Bergen	Fueling Opposition? Yellow Vests, Urban Elites, and Fuel Taxes
Thea Gregersen	University of Bergen	A 'Finite pool of worry'? Changes in climate change worry during the Covid -19 pandemic
lda Vikøren Andersen	University of Bergen	The function of fear

16:00 - 17:30

Keynote 2

Prioritizing climate change in theory and practice

Introduction by John Broome followed by panel discussion with Natalia Golis, John Broome, and Vigdis Vandvik

Room: Auditoriet

Moderator: Scott Bremer

John Broome

Emeritus White's Professor of Moral Philosophy at the University of Oxford

Read more at page 30

Natalia Golis

Deputy County Mayor in the Vestland County Council, representing the Green Party

Read more at page 31

Vigdis Vandvik

Professor of plant ecology at the University of Bergen

Read more at page 32

19:00

Conference dinner at Skyskraperen



09:30

Coffee and snack

Room: Fossestova + Brasseriet

Parallel Session 3

Changing systems and infrastructure

Room: Auditoriet (Stream)

David Walwyn	University of Pretoria	Transforming an awareness of energy technologies to personal accountability for climate action; experiences in the virtual classroom through the lens of discursive institutionalism
Miguel Valdez	The Open University	Developing EV charging infrastructures in the UK: a window on translocal networks, multiplicity and (in) coherence in local carbon transitions and transformations
Gordon Walker	Lancaster University	Orchestrating the Low Carbon Beat: Rhythmanalysis, Energy and Rhythms in Transition
David Sadoway	Kwantlen Polytechnic University	Expanding Urban Carbonscapes: The Political Paradoxes & Perils of Pipelines, Automobility and Climate Change in/upon Coast Salish Territories (Metro Vancouver)

Parallel Session 3

Justice implications

Room: Olav H. Hauge

Sigrid Eskeland Schütz	University of Bergen	Prioritising under contested public perceptions - how policy, regulation, technology and responsible research and innovation frame public perception on climate technologies
Oskar Vågerö	University of Oslo	The inclusion of justice perspectives in energy systems modelling - A review of current practices and the way ahead
Mathias Lindkvist	KTH Royal Institute of Technology	Ultimate ends and sustainability action: a conceptual study on human well-being
Shayan Shokrgozar	University of Bergen	Appropriating Energy to Serve a Degrowth Society: The Implications of Wind Power for Saepmi and the Convivial Alternative

Parallel Session 3

A politics of disassembly or a politics of reconnection?

Panel session: David Jordhus-Lier & Camilla Houeland, Universitety of Oslo, Håvard Haarstad, University of Bergen & Tarje I. Wanvik, Norce

Room: Alver

Parallel Session 3

The role of policy actors and their perspectives

Room: Zinken Hopp

Runa Falck	University of Bergen	Attribution of climate mitigation responsibility: a comparison of politicians and citizens
Jana Paulina Scheurer	University of Bergen	School as a Key Arena to Promote Climate Action
Marta Lorenz	University of Bergen	Research to support the goals: Publishing trends in climate action and energy transitions
Rouven Doran	University of Bergen	Can scientific communication help mobilize public support for climate action?

12:30 - 14:00

Keynote 3

There is no 'l' in individual: the need to connect personal, collective and systemic climate action

Room: Auditoriet

Commentator: Camilla Houeland Moderator: Shayan Shokrgozar

Stuart Capstick

Deputy Director, Centre for Climate Change and Social Transformations (CAST)

School of Psychology, Cardiff University, Park Place, Cardiff @StuartBCapstick

Read more at page 33

Camilla Houeland

Postdoctorate fellow at the Institute for sociology and human geography University of Oslo

Read more at page 35

14:00 Coffee Break in Brasseriet

Power and energy justice

Room: Auditoriet (Stream)

Kevin Anderson	Joint appointment: Universities of Manchester, Uppsala and Bergen	There's no easy way to get off a moving train: beyond the ruse of 'net-zero'
Fereshteh Toosi	Florida International University	Oil Ancestors: building agency through role play
Akiko Hiratsuka- Sasaki	Institute for Global Environmental Strategies (IGES)	Just transitions and solidarity on the ground: community perspective in Asia
Krisjanis Rudus	Norwegian University of Science and Technology	Performing justice(s): A systematic review of justice framings in sustainability transitions research
Karl Gallagher	The Open University	Exploring Intermediary Practices in Hybrid Community Energy Groups

Structures and Institutions for Climate Justice

Room: Olav H. Hauge

Renee Neven- Scharnigg	University of Stavanger	The climate justice discourse and accountable low carbon energy transition.
Isak Stoddard	Uppsala University	Three decades of rising emissions: and now for something completely different?
Bradley Loewen	Norwegian University of Science and Technology	Mobilizing varieties of capitalism for sustainability transitions: A return to strategic interactions
Thor Øivind Jensen	University of Bergen	Practical Energy Citizenship

Institutional perspectives on climate action

Room: Alver

Anand Bhopal	University of Bergen	How much health can a tonne of carbon buy?
Catalina Vallejo	University of Bergen	Expanding environmental impact assessment to atmospheric harms: court debates
Bregje van Veelen	Uppsala University	Linking and translating climate action across scales: a relational approach for understanding faith- based climate action

16:00 - 17:00 **Closing panel**

Wrapping up Beyond Oil 2021

Room: Auditoriet

Moderator: Agnete Hessevik

17:00

Conference closes

Have a safe journey home!

Kimberly Nicholas

Associate Professor of Sustainability Science and Director of PhD Studies Lund University Centre for Sustainability Studies (LUCSUS) kimnicholas.com @KA_Nicholas

Keynote 1: Who can do what to stop catastrophic climate change?



Shutting down fossil fuels fast and fairly is a big job. How can human beings, and our systems of money, politics, culture, and practice, get it done in time to meet the Paris Agreement? To make these shifts, we'll need to redefine, and then remake, what is humanly possible: what humans are capable of making possible. To get there, we'll need to harness facts, feelings, and action. Three guiding principles to make this shift from exploitation to regeneration are to simultaneously promote human and ecosystem health and well-being; reduce harmful practices at

their source; and strengthen the resilience of both human and natural communities. For each of us, figuring out how you can contribute to, sustain, and find meaning and joy in this work is a primary duty of being alive at this moment.

Bio:

<u>Dr. Kimberly Nicholas</u> is Associate Professor of Sustainability Science at Lund, Sweden's highest-ranked university. In her research, she studies the connections between people, land, and climate. Her goal is to understand how to steward ecosystems to support a good life for everyone alive today and leave a thriving planet for future generations.

Born and raised on her family's vineyard in Sonoma, California, she studied the effect of climate change on the California wine industry for her PhD in Environment and Resources at Stanford University. Since then, she has published over 50 articles on climate and sustainability in leading peer-reviewed journals, and her research has been featured in outlets including USA Today, The Atlantic, The New York Times, The Washington Post, and more. She has also been profiled in Elle and The Guardian and gives talks at around 50 lectures each year. She is the author of the popular science nonfiction book <u>UNDER THE SKY WE MAKE: How to be Human in a Warming World</u> (Putnam/Penguin Random House, March 2021).

Follow Kim on <u>Twitter</u>, <u>LinkedIn</u>, and <u>Instagram</u>, and check out her monthly climate newsletter, <u>We Can Fix It</u>.

Charles Ogunbode

Assistant professor of Applied Psychology University of Nottingham

Keynote 1: Navigating race, representation and climate action after Floyd: reflections on the UK environment sector



Climate change is fundamentally interlinked with race. Whether race is explicitly mentioned or not, we cannot talk about climate change without addressing race. Racism enabled the climate crisis. Racialised communities suffer disproportionately severe impacts from climate change. Fairer representation of the voices and experiences of the most impacted communities of people of colour is integral to achieving just and equitable solutions to climate change. Yet, many climate and environmental groups in the UK lack ethnic diversity and are ill-equipped

to represent the concerns of vulnerable ethnic minority communities. Large segments of the public also lack understanding of the disproportionate impacts of climate change and how climate change relates to racial injustice. Against this background, I will discuss the evolving landscape of ethnic minority engagement in the UK environment sector; aspirations for, and barriers to, diversity and inclusion in environmental campaigns, as well as the implications for climate justice in the post-Floyd era.

Bio:

Charles Ogunbode is an Assistant Professor of Applied Psychology at the University of Nottingham, UK. His research interests are in understanding how social influence, personal experiences and the media environment shape the way people respond to climate change. He is also interested in the effects of climate change in mental health and wellbeing.

John Broome

Emeritus White's Professor of Moral Philosophy at the University of Oxford

Keynote 2: Prioritizing climate change in theory and practice



Climate action must be a priority across all areas of society. A theme for the Beyond Oil conference 2021 is to discuss what it means to prioritise climate action - for the individual, our economy, our political decisions, and our societal institutions. In this session we look at the prioritization and trade-offs that are particularly challenging – for example when climate action can endanger biodiversity and the environment. The panelists will address this from different angles, from philosophical to practical politics.

Bio:

John Broome is Emeritus White's Professor of Moral Philosophy at the University of Oxford. He has made major contributions to contemporary moral philosophy. His research combines the formal method of economics with the philosophical analysis. Among many published works is the book Climate Matters: Ethics in a Warming World. Here he considers the moral dimensions of climate change, and reasons clearly through what universal standards of goodness and justice require of us, both as citizens and as governments.

Natalia Antonia Golis

Deputy County Mayor in the Vestland County Council, representing the Green Party

Keynote 2: Prioritizing climate change in theory and practice



Climate action must be a priority across all areas of society. A theme for the Beyond Oil conference 2021 is to discuss what it means to prioritise climate action - for the individual, our economy, our political decisions, and our societal institutions. In this session we look at the prioritization and trade-offs that are particularly challenging – for example when climate action can endanger biodiversity and the environment. The panelists will address this from different angles, from philosophical to practical politics.

Bio:

Natalia Antonia Golis is the Deputy County Mayor in the Vestland County Council, representing the Green Party. In her political career she has held a range of central positions in the Green Party both locally and nationally, and she has broad knowledge about the particular challenges of Vestland country (Western Norway). Her main areas of interest are public communication, regional development and biodiversity, and she is committed to fulfil the opportunities for regional industry development that exist within technology, renewable energy, the marine industry, sustainable agriculture, aquaculture and tourism. Vestland county has set an ambitious goal, "Operation Zero Emission 2030", that Natalia has been the foremost advocate for. Her insights from real life politics are a valuable contribution to the conversation on how to prioritize climate action in the local context.

Vigdis Vandvik

Professor of plant ecology at the University of Bergen

Keynote 2: Prioritizing climate change in theory and practice



Climate action must be a priority across all areas of society. A theme for the Beyond Oil conference 2021 is to discuss what it means to prioritise climate action - for the individual, our economy, our political decisions, and our societal institutions. In this session we look at the prioritization and trade-offs that are particularly challenging – for example when climate action can endanger biodiversity and the environment. The panelists will address this from different angles, from philosophical to practical politics.

Bio:

Vigdis Vandvik is professor of plant ecology at the University of Bergen in Norway. Her research is focused on how major global change drivers - especially climate and land-use change - affect plants, from their physiological responses via population and community dynamics to ecosystem functioning. She uses experimental macroecological approaches - replicating field experiments across broad geographical and climatic extents - to disentangle and explore context-dependencies and uncover general patterns in these responses. Field experiments offer many opportunities for student-active research, and her research projects are also test-beds for developing effective ways of teaching and learning as integral components of 'real' research projects. She is elected member of the Norwegian Academy of Science and Letters and the Norwegian Technical Science Academy. She communicates science through a variety of channels, and is actively involved in the science-policy interface, both within Norway and internationally, for example as a coordinating lead author on the Intergovernmental Panel on Biodiversity and Ecosystem Services assessment of Invasive Alien Species (IPBES-IAS).

Stuart Capstick

Deputy Director, Centre for Climate Change and Social Transformations (CAST) School of Psychology, Cardiff University, Park Place, Cardiff @ StuartBCapstick

Keynote 3: There is no 'l' in individual: the need to connect personal, collective and systemic climate action Floyd: reflections on the UK environment sector



Is climate action down to you and me, or do we need deep-rooted systemic change? A backlash has developed against placing the obligation upon individuals to reduce emissions and tackle environmental problems. This arises in part because meaningful action at the individual level is seen as infeasible, given that people are locked into societies that run on fossil fuels. Pervading this critique also is a hostility to the neoliberal view of individuals as choice-making consumers, which in turn masks widespread power imbalances and injustice. The deliberate

efforts of major oil corporations to promote personal responsibility is seen as further evidence of the bad faith nature of this argument, and of attempts to deflect attention from industry – if not the capitalist system itself – being ultimately to blame for the problems we face.

In order to address the climate and ecological emergency, wide-ranging social transformations are indeed necessary, whether in terms of current economic paradigms, political and policy structures, or shifts in contemporary ways of life. However, this cannot itself be achieved without the active participation of citizens in enabling that change. Whether by moving away from unsustainable practices, shifting cultural norms and changing public discourse, challenging the social licence afforded to destructive industries, or opposing the politics of climate delay, citizens and their actions are a necessary and integral part of social transformation. I will discuss research and ideas that point to a need to rethink the role that citizens have in tackling the climate crisis, and draw attention to the many ways in which people are connected to and influence each other, ultimately with the potential to help shape a better, low-carbon society.

Bio:

Dr Stuart Capstick helps to lead the Centre for Climate Change and Social Transformation (CAST Centre) and is active within the Tyndall Centre for Climate Change Research. His work focuses on how people understand and respond to the climate crisis, at all scales from the

household to the national level. He has led work for the United Nations Environment Program on accomplishing equitable and low-carbon lifestyle change and is a co-author of the annual Lancet Countdown on Health and Climate Change. He counts himself among the climate alarmed and is keen to move past the unhelpful individual-systems dichotomy in pursuing effective climate action.

Camilla Houeland

Postdoctorate fellow at the Intitute for sociology and human geography, University of Oslo

Keynote 3: There is no 'l' in individual: the need to connect personal, collective and systemic climate action Floyd: reflections on the UK environment sector



Camilla Houeland will comment Stuart Capstick's keynote.

Bio:

Camilla Houeland is a postdoctorate fellow at the Institute for sociology and human geography at the University of Oslo, where she works on oil workers' roles and agency in a green transition, in Norway and Nigeria. Theoretically she works on the political economy of oil, labour geography, and social movement theories, including questions of fossil fuels, the social contract and (industrial) citizenship.



Thank you for joining us for Beyond Oil 2021: Prioritising Climate Action.

We hope to see you again in 2023.

SEYOND - **GIL**: Prioritising climate action

Bergen and digital: October 20. – 21. 2021

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