

ANNUAL REPORT 2024



Centre for Climate
and Energy Transformation



UNIVERSITY OF BERGEN



Actionable knowledge for transformation.

The Centre for Climate and Energy Transformation (CET) at the Faculty of Social Sciences, UiB is an interdisciplinary research hub and brings together researchers from the University of Bergen, NORCE Norwegian Research Centre AS, and NHH Norwegian School of Economics. The centre's aim is to produce actionable knowledge on how to achieve rapid, just and deep transformation of society.

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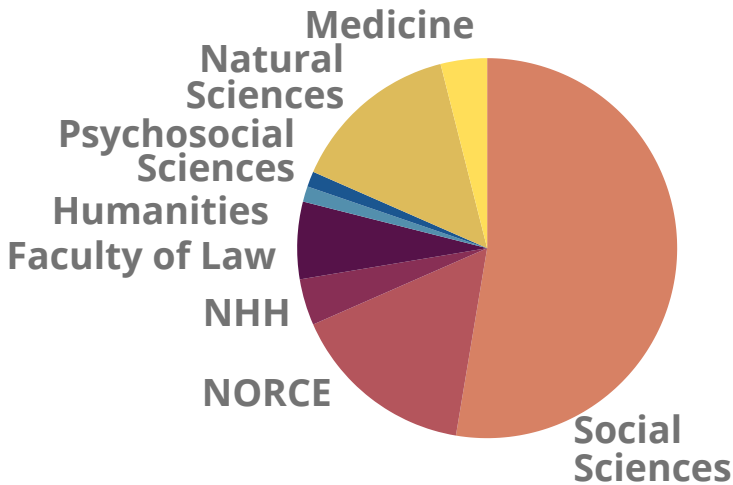


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2024 QUICK FACTS

71 Affiliated researchers



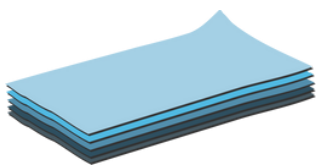
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Running projects

- ASSET
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3
New projects

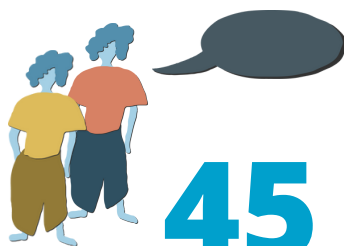
- BALTIC
- ECOBUDGETS
- POWERPLAY

3
PhD defenses



54

CET Scientific Publications



45

Media Engagements



33

CET Lunch Seminars Workshops & Events



408

CET Lunch Attendees

WORDS FROM THE DIRECTOR



«Climate». «Political». «Socio-economic». These are words that now appear to disqualify research programmes from funding under the Trump administration. Climate change research has always been targeted by political fringes. Now, the purging of climate research has become official policy and is actively pursued by a boundless president. The short-term repercussions on our colleagues in the US are becoming evident. The long-term consequences for the sustainability of our planet are unimaginable.

CET's Strategy would certainly trigger numerous red flags if it had been filtered through the list of words barred by the Trump administration. Not only the words we use to describe our research, such as "climate", but also the words we use to describe ourselves as a workplace, such as "diversity" and "inclusion".

In the past year, we have spent a lot of time discussing, during lunch breaks, breaks in seminars, at our annual retreat, how to cope with the current situation. Our main strategy, I believe, has been to power through. To avoid losing ourselves in the sensationalism of the news cycle, and make the most out of the fact that we are still free to practice our craft. We have also refocused on work-life balance and mutual care, to help each other overcome the temptations to pessimism.

And seen against that backdrop, 2024 was a good year. We started the year with the opening of our new offices, and throughout the year we have settled in. Three PhD defenses, the Nils Klim Prize to Sid, Daniel filled the aula for the conference he led on the Human Geographies of Climate Change Adaptation. A range of publications, and several new projects. As well as less tangible but equally important things like Friday cake, preparing the 6th Beyond Oil, and seeing our alumni thriving in new positions.

With that, we have a good basis to face the job of rebuilding hope in the year ahead. Our work is for the long term. And we will seek to join forces with those who still believe in the importance of knowledge and science-based policies to foster a just transformation to a sustainable world.



Håvard Haarstad
CENTRE DIRECTOR

PEOPLE

Around 20 people work from the CET offices, with a mix of researchers spanning from research assistants to professors and administrative staff. In addition, we have three master's students who are an active part of our research environment.

Senior research capacity

Silje Kristiansen, Simon Neby and Håvard Haarstad form CET's senior research team.

Håvard was granted the Collaborative project 'ECOBUDGETS' from The Research Council of Norway in September. Simon will lead one of the work packages. The project also has partners from our affiliate network at the Faculty of Law and the Department of Biological Sciences.

In collaboration with UiB's Department of Geography, CET interviewed candidates for a new associate professor position. We hope the new associate professor can start in 2025.

CET extended Siddharth Sareen's professor II contract in 2024. Siddharth will be part of our senior

research capacity until 2026 participating in supervision, proposal writing, and general research. Siddharth was awarded the prestigious Nils Klim Price in June 2024 (more info on page 6). All of us at CET are very proud of Sid!

Jakob Grandin led the last course of the award-winning CET201 in the spring of 2024. He is also part of developing a new dissemination project with Judith Dalsgård, *Bye Bye Bryggen*.

Jessica Jewell actively participates in research proposals, supervision, and other activities through her professor II position at CET.

Lars Coenen joined us in a 20% position towards the end of 2024. He is developing a SFF with Håvard with a deadline in November 2025.



Simon Neby
Dept. of Government
Professor



Silje Kristiansen
Dept. of Information
Science and Media Studies
Associate Professor



Jessica Jewell
Chalmers University of Technology
Professor II
2020 - 2026



Siddharth Sareen
University of Stavanger
Professor II
2020 - 2023



Jakob Grandin
City of Bergen
Associate Professor II
2023 - 2025



Lars Coenen
Western Norway University
of Applied Science
Professor II
2024 - 2025

CETlers move on

An important function of our centre is to provide our researchers with the competence to work in positions inside and outside of academia.

In 2024 we said goodbye to many great people who moved on to exciting positions.

The first to leave were Rafael Rosales and Jesse Schrage. After defending their PhDs, they moved on to research positions at NORCE.

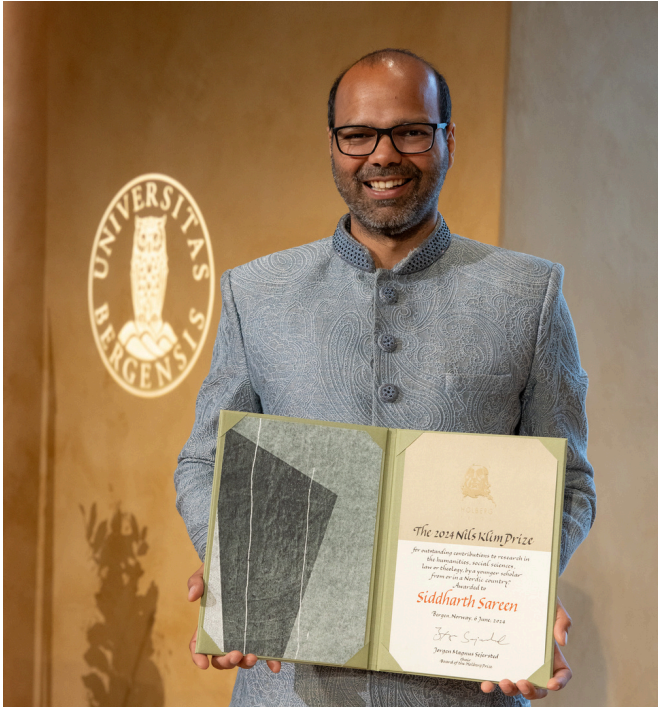
Research assistant Ronya Reitan started as a PhD Candidate at Centre for the Study of the Sciences and the Humanities and researcher Johan Elving moved to Oslo to take up a position as political advisor for energy and environment for the political party Rødt.

Subina Shrestha moved to Canada after defending her PhD, to take up a postdoctoral position at The University of Toronto. We look forward to expanding our network in North America.



It is a tradition at CET when someone leaves they are immortalised on the CET fridge.

Siddharth Sareen awarded the Nils Klim Prize



From left: Siddharth Sareen with Nils Klim Prize, Photo: Eivind Senneset/CET, Artist and long time collaborator Margrethe Brekke with Siddharth Sareen during the CET breakfast meeting in Smauet, CET staff celebrating with Siddharth. Photo: Judith Dalsgård/CET

Siddharth Sareen, professor II at CET, was awarded the Nils Klim Award by the Holberg Prize Committee. Sareen receives the award for his research at the intersection between social sciences, the humanities, and technological and environmental sciences.

Sareen has been an important part of CET since he started as a postdoctoral fellow in 2017. Today he works at the Fridtjof Nansen Institute as a research professor.

The committee highlighted Sareen's versatility and the broad and global perspective in his work:

"Sareen's work is exemplary for the global importance of critical and interactive relationships between fields of scholarship, technology, and industry in the vital search for renewable and sustainable sources of energy", said the Nils Klim Committee Chair, Professor Ástráður Eysteinnsson.

His research includes complex topics such as sustainability and accountability, energy history, environmental justice, democracy and social inclusion.

The Nils Klim Prize is awarded annually to a scholar under the age of 35, from or in a Nordic country, for outstanding contributions to research in the humanities, social sciences, law or theology. This prize is worth NOK 500 000 (approx. EUR 44.000).

Poem from Siddharth's acceptance speech:

*What is it to win an award, a single glorious day?
A moment in the limelight, as one goes one's way?
I think it is a chance to reflect quietly on our lives
And to consider anew that for which one strives.*

*It is about more than me, or you, or what we can do
It's even about more than what we have just been through,
An award is recognition of something bigger than
A person. It has to do with what makes us human.*

*As Nils Klim found, venturing underground,
Time brings surprises and changes abound.
The lack of self-insight is socially infective,
Limiting both individuals and the collective.*

*An award is an occasion to take stock of what one does
And in the tumult of the world to go beyond the fuss
Of me and mine. A time to ask how I can help us weather
The raging storms of our time. My answer is: together.*

RESEARCH

Project grants 2024

CET was granted three research projects in 2024:

- **ECOBUDGETS** – Actionable budgets for sustainable climate and nature governance *RCN Collaborative Project* (Project owner)
- **PowerPlay** – Complementary Formation and Trade-offs in Nordic Battery Value Chain *RCN Collaborative Project* (Partner)
- **BALTIC** - Backlash to energy transition at three Baltic states *Brown University* (Project owner)

Partnerships

CET is represented in several leadership groups and boards at UiB and other institutions:

- Noradapt – Norwegian Research Centre on Sustainable Climate Change Adaptation
- BSGS – Bergen School of Global Studies
- The Norwegian Board of Technology
- Steering committee strategic priority area for climate and energy transition, UiB

TISP -Trust in scientists and science related populism consortium completed data collections with a survey of 71,922 respondents in 68 countries. The main article from this dataset accepted in *Nature Human Behaviour*, and will be published in early 2025.

A full list of projects at CET is available in Annex 4 (page 31 - 32).

Ongoing projects in 2024



Freight logistics in sustainable cities.
Led by Stein Wallace, Norwegian School of Economics (NHH). *RCN*.

Highlights from the project:

- Both PhD candidates, Rafael Rosales and Subina Shrestha, have defended their dissertations.
- Key project publications in *Urban Studies*, *Environmental Innovation and Societal Transitions*, *Environmental Policy & Governance*.
- Closing workshop will be organized in Bergen in June 2025 to discuss future collaborations and projects.



Carbon Intensive Regions in Transition - Unravelling the Challenges of Structural Change.
Led by Lukas Hermwille, Wuppertal Institute. *H2020*.

Highlights from the project:

- CET led the subsection on socio-political dynamics of regional energy transition in Europe.
- Two Publications: 1) on far-right populist discursive tactics amid European green transition. 2) Analysis of national vs. regional voting patterns in Poland.
- Policy report: Populism and Decarbonization in Europe was featured in popular media outlets like Bloomberg and ECPR Blog.



Collaborative innovation of circular economy.
Led by Hege Hofstad, OsloMet *RCN*

Highlights from the project:

- Aims to understand the governance conditions for stimulating the circular economy.
- The project kicked off in 2024 – started with literature reviews, survey of companies.
- Fieldwork begins in 2025.
- Case studies in Oslo, Asker, Ålesund, Utrecht and Cape Town.



Photo: Colourbox.com

ECOLOGIC

The logic of measuring, managing and governing ecosystems.
Led by Gisle Andersen, NORCE. RCN.

Highlights from the project:

- Data analysis of environmental policy and the management of ecosystems in Sweden and Norway.
- Conference presentations in Sweden and Portugal.
- The first paper has been submitted, and several publications are in the pipeline.



Photo: From the manifest webpages

MANIFEST

Mapping the Future for Feasible Climate Action. Led by Jessica Jewell, Chalmers University/CET. ERC.

Highlights from the project:

- Tsimafei Kazlou and Jessica Jewell authored a *Nature Climate Change* article (see page 11).
- Jessica Jewell co-authored a *Nature Communications* article on the compensation mechanisms and magnitudes in countries with coal phase-out pledges and India and China.
- Research presented in Berlin, Oxford and Bergen.



Photo: Getty Images

EMPOWERED FUTURES

Navigating the social and environmental controversies of low-carbon energy transition. Led by John-Andrew McNeish, NMBU. RCN.

Highlights from the project:

- CET hosted the PhD course 'Theory and practice for equitable and just transformations to sustainability', with UiO.
- The third cohort of students with more than 40 PhD candidates from many countries.



Photo: Colourbox.com

MUCS

Media Use in Crisis Situations: Comparing Climate Change and COVID-19. Led by Brita Ytre-Arne, UiB. RCN.

Highlights from the project:

- Most project tasks have been completed, and focus has been on publication and dissemination.
- CET involved in paper on 'Climate change is an intangible news topic' accepted in *Environmental Communication*.



Photo: Colourbox.com

Klimabudsjett 2.0

How can municipalities and regions make the next generation of climate plans?
Led by Hans Jakob Walnum, Vestlandsforskning. RCN.

Highlights from the project:

- Created a list of climate measures for municipalities, counties, and the state to reduce emissions.
- Published a report on county authority's role and effective measures to reduce emissions.
- Presented research findings at Arendalsuka.

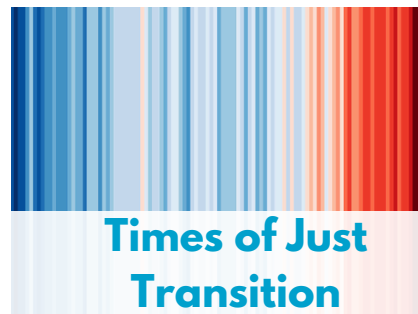


Photo: Ed Hawkins

Times of Just Transition

Exploring the role of temporal frames in enabling and impeding democratic and equitable transitions towards sustainable futures. Led by Keri Facer, Uni. Bristol. British Academy.

Highlights from the project:

- A 'global convening' programme, with a network of 30 international scholars.
- CET hosted a convening workshop in Bergen in June, a week filled with seminars, discussions and creative activities.
- CET also initiated the 'Open Futures dialogues' as part of this programme.

RESEARCH



ASSET

2021 - 2024

Researchers from CET

Siddharth Sareen, Professor II & PhD Candidate
Shayan Shokrgozar



Photo: Colourbox.com

Accountable Solar Energy Transitions

Led by Siddharth Sareen, University of Stavanger/CET, RCN.

With solar energy ascending to the fastest growing energy source worldwide in the early 2020s, ASSET was a timely research project to examine the nature of this development in solar-rich yet financially-constrained Portugal in southwestern Europe and Rajasthan in western India. Conceptually, the project advanced research on accountable governance for sustainable energy transitions. It identified problematic characteristics of solar development at multiple spatial scales and how decision-makers can enable more socioecologically just solutions. Crucially, it helped explain how undesirable aspects become part and parcel of rapid sectoral growth, through in-depth ethnographic fieldwork in these evolving contexts.

From a policy perspective, ASSET situated actionable knowledge among important stakeholders at both local and national levels. Highlights include national keynote talks and embassy events, as well as European level outreach. In terms of scientific dissemination, the project produced dozens of journal articles, and led to numerous special issues that synthesised knowledge in this vital societal domain. The project produced the monograph 'The Sun also Rises in Portugal', and another book entitled 'Geographies of Solar Energy Transitions' was awarded the Best Edited Book of 2024 by the American Energy Society. Notably, an innovative project film drew together researchers across four continents and premiered at the Royal Geographical Society.



DEMOCLIM

2020 - 2024

Researchers from CET

Professor Håvard Haarstad



Photo: Siddharth Sareen

Cities confronted by protests: Democratic governance for efficient and socially just climate transformation.

Led by Hege Hofstad & Trond Vedeld, OsloMet. RCN.

The DEMOCLIM project concluded in 2024 and examined conflicts over climate policy in cities. Cities must cope with new demands: reactive social movements concerned with the distributional effects of climate measures, and proactive movements advocating for radical climate policies. Fieldwork was conducted in Oslo, Bergen, Stockholm, and Gothenburg, including around 100 in-depth interviews with policymakers and citizens.

The findings focused on four issues: (1) The project compared similarities and differences between the cities' and movements' channels of democratic participation and engagement; (2) Developed theories of populism and social justice as a basis for understanding climate protest and party formation; (3) Provided suggestions for co-creational leadership, pragmatic planning roles and context-dependent skills as key transformative capacities; (4) Identified strategies and measures connecting digital arenas and physical arenas of protests.



TRANSFLIGHT

2021 - 2024

Researchers from CET

Jesse Schrage, Researcher & Jakob Grandin, Researcher



VARCITIES

2020 - 2024

Researchers from CET

Professor Håvard Haarstad and Lene Drenenes, Research assistant (2022 - 2023).



Shaping the future of air travel

Led by Alfred Posch, Uni. Graz. Klima og energie fond.

2024 marked the conclusion of the Transflight project that examined shifts in practices of air travel connected to leisure, business and academic travel. CET researchers led the work package on policy development, while the project as a whole was led by Prof. Alfred Posch of the University of Graz and funded by the Austrian Klima und Energie Fonds. The project explored how travel preferences have changed, the role digitalisation and virtual mobility, and different scenarios for reducing emissions from air travel.

The project found that in spite of a significant shifts toward virtual collaboration during the covid-19 pandemic, institutional and individual lock-ins to air travel remain high. This is not the least the case in academia, where internationalisation is strongly promoted both academic consortia and research collaborations are developed and through conferences. Train travel is here often seen as an unviable alternative due to the time and costs involved. At the same time, opportunities to facilitate low-carbon travel abound through technological, infrastructural, institutional and behavioural measures. Institutional or individual travel carbon budgets might here be an opportunity to raise awareness within an organisation.

Visionary nature-based actions for wellbeing & resilience in cities.

Led by Dionysia Kolokotsa, TSI. EU Horizon 2020.

The aim of VARCITIES is to implement nature-based actions in cities. The project helps to establish sustainable models for increasing the health and well-being of citizens exposed to different climatic conditions and challenges. CET was responsible for a task on assessing new governance models in the pilot city projects. Drenenes and Håvard Haarstad interviewed planners and stakeholders in the pilot cities, in order to understand how implemented nature-based solutions challenged existing governance practices. It was found that this implementation challenged actors to deepen their cross-sectorial collaboration and involve citizens.

On this basis, the recommendations from the CET-led project task for other cities aiming to implement visionary NBS are: (1) Stakeholder involvement must be based on locally designed strategies, whereby stakeholders can then not only influence the design and realization of the solutions, but also get a sense of ownership of the solutions. (2) The co-creation process must find balance between being sufficiently pre-defined, in order to provide direction for the co-creation process, and sufficiently open, so stakeholders are actually able to shape outcomes. (3) It is important within each of the pilot projects to create a common vision and language across the institutions that are involved. This will make it easier to overcome the challenges created by the siloed nature of institutions and sectors.

PUBLICATIONS

In 2024 CET's researchers published **54** scientific publications, including reports and policy briefs. The CET Affiliate network has, in total, published **83** scientific publications on climate and energy. CET affiliates have also been involved in **45** engagements with the media. Here are a few highlights. See full list in **annex 1-3 (page 23)**.



Photo: Jessica Jewell

Feasible deployment of CCS and the requirements of climate targets.

The study, authored by CET PhD candidate Tsimafei Kazlou, finds that the 2°C climate target can be out of reach without major policy and investment efforts into CCS technologies. Kazlou and his co-authors have conducted a thorough analysis of CCS deployment to see whether they can expand fast enough to reach the climate targets set in the Paris Agreement. The analysis shows that we are unlikely to capture and store more than 600 gigatons (Gt) of CO₂ over the 21st century.

Kazlou, T., Jewell, J. & Cherp, A. (2024) Feasible deployment of Carbon capture and storage and the requirements of climate targets. Nature Climate Change.



Photo: Eivind Semneset/UJB

Power in urban logistics: A comparative analysis of networks and policymaking in logistics sustainability governance.

Who holds power in urban logistics governance? This article challenges the widespread notion that private companies are the only powerful actors in the sector. Through a social network analysis (SNA) complemented with interviews and document analysis, this article unpacks power relations in the sector in Oslo, Bergen and Trondheim. It finds that municipalities have 'dispositional' and 'relational' power that they can use strategically to shape the sector. Although municipalities have not used these powers very effectively in recent years, they are well placed to do so.

Shrestha, S., Haarstad, H. and Rosales, R. (2024) Power in urban logistics: A comparative analysis of networks and policymaking in logistics sustainability governance. Environmental Innovation and Societal Transitions.



Photo: Claire Føik Dracup

Cities incorporate equity in their climate policies but overlook procedural justice in decision-making.

In this article CET researchers Mahir Yazar, Håvard Haarstad and Johan Elfvig analyse the C40 cities' Climate Action Plans and their engagement with procedural justice. The study, published in *Nature Cities*, highlights the most hyped urban climate policies of C40 cities and how procedural justice is sidelined in decision-making. They find that cities must move beyond normative policy prescription and instead use concrete organizational tools to circumvent historical legacies of injustice.

Yazar, M., Haarstad, H., Elfvig, J. (2024) Cities incorporate equity in their climate policies but overlook procedural justice in decision-making. Nature Cities.



Photo: Eivind Semneset/Tor Dalsjö/UJB

"We Have to Convince Them Whatever it Takes:" The Climate Necropolitics of Energy Transitions in India and Zambia.

Drawing on two prominent cases from the majority world (Luapula, Zambia, and Rajasthan, India) and two sectors (solar parks and mining transition materials), Shokrgozar, Remme, and Stock explore the implications of current lower-carbon energy transitions for marginalized peoples. The study reveals how these transitions reinforce socioecological inequalities and perpetuate colonial-capitalist exploitation. The authors conclude that current energy transition practices are necropolitical, accelerating somatic, social, and cultural death.

Shokrgozar, S., Remme, D., Stock, R. (2024) "We Have to Convince Them Whatever it Takes:" The Climate Necropolitics of Energy Transitions in India and Zambia. Geoforum.



Photo: Photo by Li-An Lim on Unsplash

How the public understands and reacts to the term “climate anxiety”.

In this paper, CET Affiliates Thea Gregersen and Rouven Doran, with colleagues, look at the term climate anxiety. This paper, published in *Environmental Psychology*, reports results from a nationally representative survey of the Norwegian public (N = 2040) that investigated whether people respond differently to descriptions of young people “having climate anxiety”, compared with being “concerned” or “worried” about climate change. Results from the survey experiment showed stronger support for politicians taking young people’s climate concern or climate worry into consideration when designing new climate policy as compared with young people’s climate anxiety.

Gregersen, T., Doran, R., Ogunbode, C.A., Böhm, G. (2024) How the public understands and reacts to the term “climate anxiety”. Journal of Environmental Psychology.



Photo: Bristol University Press

The sun also rises in Portugal: Ambitions of Just Solar Energy Transitions.

In this book, Siddharth Sareen draws on many years of fieldwork in just solar energy transitions in Portugal on several research projects. Portugal is among the best-placed European countries to take advantage of solar power, having achieved a five-fold increase in installed capacity during 2017-2023 despite financial constraints. How can such fast-paced deployment secure sociospatial justice? What insights do political-economic dynamics hold for future transitions? Drawing on long-term, multi-sited ethnographic fieldwork, this book is a one-stop resource for policymakers, practitioners, scholars, and anyone interested in just solar energy transitions.

Sareen, S. (2024) The sun also rises in Portugal: Ambitions of just solar energy transitions. Bristol University Press.



Photo: Bloomberg/Ervind Semseth/UB

Interview: Trump's Green-Bashing and Europe's Right Put Climate Goals at Risk.

Postdoctoral fellow Mahir Yazar interviewed in Bloomberg about his research on backlash to green policies. Climate policy has become a political flash point in the US and Europe, risking to slow down the energy transition when it needs to speed up.— an example in their eyes of costly, intrusive overreach that compromises personal choice and national sovereignty. Much of the right believes that the bigger threat “is not climate change; it’s the actions taken by governments to decarbonize economies,”

Millan, L., Hirji, Z., Rudgard, O. and Gilbert, J. (2024) Trump's Green-Bashing and Europe's Right Put Climate Goals at Risk, Bloomberg, 27 February 2024.



Photo: Energi&Klima/Ervind Semseth/UB

Interview: Krafttak for karbonfangst kreves (major effort needed for CCS).

Interview with Tsimafei Kazlou in Energi&Klima on his research on the feasibility of CCS to reach the climate targets. - Today, we see a wave of interest in carbon capture and storage, or CCS. This is evident through the many plans and projects that have been launched, as well as the significant political support given to CCS. For example, we see it in the 'Inflation Reduction Act,' which the Biden administration has passed in the USA, the EU has introduced the 'Net Zero Industry Act,' and the recently adopted 'Industrial Carbon Management Strategy' in February 2024."

Ursin, L. (2024) Krafttak for karbonfangst kreves. Energi&Klima. 6. desember 2024.

PHD DEFENSES



Jesse Schrage

Practicing urban climate governance: Organisational work and energy demand reduction in Nordic cities.

How do urban planners promote ambitious climate actions on the ground? In his thesis, Schrage aims to understand the organisational and bureaucratic work required to anchor climate actions locally. By focusing on ten Nordic cities, and with case studies in Bergen, Norway, the thesis analyzes the influence embedded in the work of municipal planners. It promotes understanding how planners navigate institutional constraints and current political agendas to organize and promote local climate efforts.

Jesse defended his thesis on the 20th of February and impressed us with his trial lecture on the “Perspectives on the roles of politicians, bureaucrats,

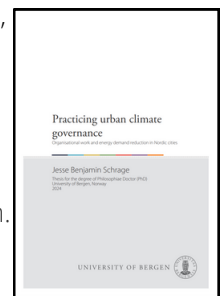
and citizens in local climate governance”. The opponents challenged him with a round of questions which Jesse masterly answered. It looked like he thoroughly enjoyed every minute of the defence.

First opponent: Professor Karin Bradley, Urban and Regional Studies, KTH, Stockholm.

Second opponent: Professor Jonathan Metzger, Urban and Regional Studies, KTH, Stockholm.

Committee leader: Professor Ragnhild Overå, Department of Geography, UiB.

Supervisors: Knut Hidle and Håvard Haarstad



Rafael Rosales

Urban freight – a matter of concern for cities?

In his thesis, Rosales examines how authorities in Norwegian urban areas have handled the challenges that freight transport can contribute to. The dissertation shows that Norwegian authorities have viewed freight transport as the responsibility of businesses and have almost exclusively focused on how they can influence personal transport. This has made it difficult to gather knowledge and resources that can contribute to more sustainable freight transport in cities.

Rafael was cool, calm and collected at his defense on the 24th of May as he delivered his trial lecture on *If urban freight is to become a matter of concern, how will it get on the agenda?* This was also true as he answered the numerous thought-provoking questions the

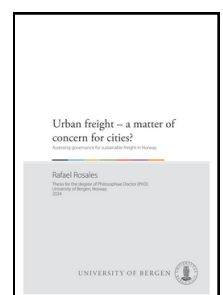
opponents threw at him. First opponent Greg Marsden described the thesis as a “refreshing read, highlighting what is missing in urban transport governance”. Rafael Rosales wrote his PhD thesis as part of the Cityfreight project.

First opponent: Professor Greg Marsden, Institute for Transport Studies, University of Leeds

Second opponent: Professor Karolina Isaksson, The Swedish National Road and Transport Research Institute (VTI)

Committee leader: Odd Inge Steen, Department of Geography, University of Bergen.

Supervisors: Håvard Haarstad, Simon Neby and Mahir Yazar





Subina Shrestha

Sustainability beyond Optimization: Public-private actor interactions in urban logistics governance.

In her doctoral thesis, Shrestha highlights the importance of a relational lens to understanding urban sustainability governance. The thesis shows that sustainability governance is performed via actor interactions, as actors use different tools – power, learning processes and experimental projects – as crucial tactics to gain collective agency to reconfigure urban sustainability governance.

At the defence on the 17th of December, Shrestha delivered an engaging trial lecture on the *social sustainability and justice in urban logistics, and how these conditions depend on geographical context*. During the defense she was quick on her feet to answer the many challenging and engaging questions from the opponents.

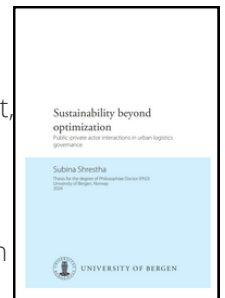
First opponent Debbie Hopkins remarked that “she learned a lot from reading this thesis, and it sparked new ideas, and I genuinely enjoyed reading it.” Shrestha wrote her PhD thesis as part of the Cityfreight project.

First opponent: Associate Professor Debbie Hopkins, School of Geography and Environment, University of Oxford.

Second opponent: Senior Researcher Anders Tønnesen, Center for International Climate Research (CICERO).


Committee leader: Professor Grete Rusten, Department of Geography, University of Bergen

Supervisors: Håvard Haarstad, Simon Neby and Mahir Yazar




CET Accelerator grants 2024

CET Accelerator is CET's funding program, aimed at stimulating exchanges of ideas, communication and developing research projects with climate and energy transformation. In 2024, two applications received accelerator funding.



Anand Bhopal
 Project: *Institutionalising transformative climate action in healthcare: establishing a Bergen Centre for Climate Change and Health*
 Grant type: Seed funding

Anand, along with colleagues Simon Øverland and Andrea Melberg aim to develop a Bergen-based, interdisciplinary Centre for researchers, clinicians and policymakers working at the intersection of climate, health and societal transformation.



Thea Gregersen
 Project: *Climate anger and engagement*
 Grant type: Seed funding

This project aims to deepen our understanding of when climate anger is adaptive and related to different forms of climate change engagement. The seed grant will lead to a larger project proposal for research on climate emotions, submitted to RCN or a similar funder.

HUMAN GEOGRAPHIES OF CLIMATE CHANGE ADAPTATION



CET Postdoctoral fellow Daniel Puig opens the inaugural Human Geographies of Climate Change Adaptation in the University Aula. Photo: Judith Dalsgård

The Human Geographies of Climate Change Adaptation conference was held for the first time on the 15th and 16th of May.

Postdoctoral fellow Daniel Puig organised the conference using CET Accelerator funding and the Bergen University Fund.

The conference attracted 115 participants, from PhDs to professors and a small number of governmental and intergovernmental agency experts. During the 25 sessions, participants presented about 100 papers on topics such as adaptation justice, limits to adaptation, urban adaptation, and adaptation finance.

Daniel organised the conference with a scientific committee of leading scholars in climate adaptation: Jon Barnett, James Ford, Lisa Schipper and Gina Ziervogel. Dr Marina Baldissera Pacchetti and Professor Neil Adger were the keynote speakers at the conference.

The conference successfully gathered the international community working on adaptation through a human geography lens and the participants expressed a strong interest in attending a follow-up conference in 2026.



Daniel Puig

Project: RAIN: The Bergen adaptation conference

Grant type: Ideas and communications



*The University Aula filled with researchers and practitioners working on climate adaptation
Photo: Judith Dalsgård*

EVENTS

CET is a hub for climate and energy research, and an important part of this is facilitating meeting areas for our network. Over the years, we have established important contact points for engaging with partners, researchers and local actors.

In 2024, CET organised 33 events, including CET Lunch Seminars, workshops, panel debates and conferences.

The year started with a celebration. We moved into our new offices at the end of 2023 and invited colleagues, partners and affiliates to Christies gate 18 on the 25th of January, 2024. The UiB Rector Margareth Hagen and the Dean of Social Sciences Jan Erik Askildsen officially opened the offices.

The new offices are an open space that enables us to facilitate larger events and is perfect for our CET Lunch seminars. We have space for a larger audience and upgraded our streaming equipment, creating a better experience for the online audience. In 2024 we organised 15 CET Lunches that were attended by a total of 408 audience participants.

For the 6th year, CET participated in the Day Zero event at the SDG Conference in Bergen, hosting two hybrid sessions in our new offices. *The Researcher as an Activist* sparked discussions on researchers' activist roles and was featured in Khrono. *Charting Desirable Energy Futures* explored how academia can promote energy visions that support well-being within planetary limits.

During the climate festival *Varmere, Våtere, Villere* we moved our CET lunch seminar to the Public Library in Bergen and organised a panel on Climate justice and action in cities. The panel was followed by a workshop together with Fremtentkt where participants discussed these themes from a future perspective.

To celebrate Siddharth Sareen's Nils Klim Prize, CET organised a breakfast meeting highlighting his commitment to actionable knowledge in energy transitions. His collaborator, visual artist Margrethe Brekke, joined the event and discussed the benefits of art/science collaborations.

From top: Kerim Nisancioglu, Anand Bhopal and Christine van der Horst, Day Zero 2024 Photo: Judith Dalsgård

Toril Eidesvik, Yann Robiou du Pont, Anja Bakken Riise and Stina Oseland, VV CET Lunch. Photo: Ole Marius Kvamme.

Håvard Haarstad at the opening of the new offices. Photo: Judith Dalsgård
Jan Erik Askildsen and Margareth Hagen open the new CET offices Photo: Judith Dalsgård

Margrethe Brekke at the Nils Klim breakfast meeting. Photo: Judith Dalsgård



Bærekraftig Frokost i Bergen

Since 2019, CET has been part of the organising committee of the Bærekraftig frokost i Bergen (Sustainable breakfasts in Bergen) network.

The network is a collaboration between the City of Bergen, Vestland County Council, The County Governor Vestland, Western Norwegian University of Applied Sciences, Architecture school of Bergen and UiB (CET).

The network allows us to disseminate research to a broad audience of bureaucrats, the private sector and citizens working towards sustainable city and regional development. These meetings also inspire our researchers in what type of knowledge is needed in these sectors.

In 2024, we held two breakfast events; The first was on land use accounting, a theme that we will be working on in the ECOBUDGETS project.

The second event was held in June as part of the Times of Just Transition collaboration. The meeting looked at *Making the long-term future relevant in urban planning: how do we plan for 2100 in Bergen.*



The two breakfast meetings organised by CET in 2024 Photo:CET

Bærekraftig frokost
i Bergen



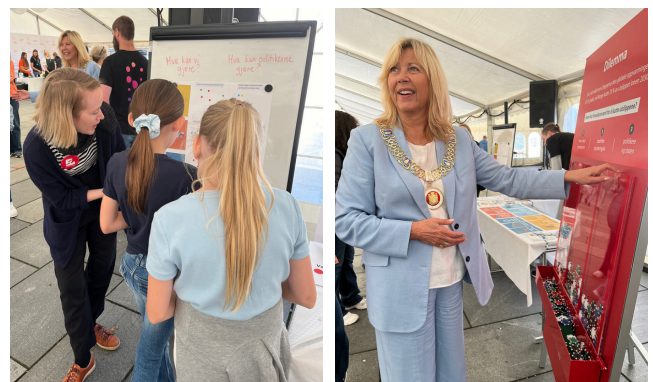
The Science Research Fair

CET repeated the success from last year and set up our climate myth-busting stand at the Research Fair in the centre of Bergen.

The CET dilemma board asked the public: "Who is responsible for cutting emissions in Norway?" They could choose one of the following answers: "1. private individuals", "2. companies and business" or "3. politicians and the government".

On Friday the fair was open for school students in Bergen (6th and 7th grade) They overwhelmingly answered "individuals" and when asked why they chose that answer they said, "Everybody is responsible for combatting climate change". The next day, the fair was open to the public, and the answer swayed in the direction of "politicians and the Government".

The dilemma sparked engaging conversations and we thoroughly enjoyed discussing with the citizens of Bergen.



Engaged participants at the Research Fair including the mayor of Bergen Photo:CET

WORKSHOPS

In 2024 CET researchers have been involved in several workshops to disseminate and co-produce knowledge.

1.5 gradersbyen: Bergen

In collaboration with Fremtenkt, March

Over two hours, in a packed room at the Bergen Public Library, participants explored what they believe is likely, what they wish for, and, not least, what they envision as the challenges and success stories of future departments in Bergen municipality. The open and public workshop was part of the umbrella program for the climate festival in Bergen.

Together with Fremtenkt, we challenged each group to think within the framework of one of six different future departments. We thoroughly enjoyed this dive into the future.

Accountable solar energy transitions (ASSET)

Workshops and seminars, March

Siddharth Sareen and Shayan Shokrgozar together with the Norwegian Embassy in India, held outreach seminars in New Dehli and Jaipur. Shokrgozar held a keynote speech at the seminar in New Dehli which was followed by a round table on solar policy with experts in the field in India. The two seminars hosted a diverse panel highlighting the different perspectives on solar energy transitions in Rajasthan and provided a unique knowledge exchange between academia, policy and practice.

The Nature of Transformation

Collaboration with cChange, April

Around 85 people joined the workshop The Nature of Transformation: Connecting Research and Practice to discuss the gap between knowledge and action in responding to sustainability issues. The workshop included inspirational talks from Professor Karen O'Brien and Dr Monica Sharma on transformative potential in research and practice.

TimeLab Bergen

Times of a Just Transition (British Academy Convening Programme) June

In June a group of 30 scholars from around the world spent the week exploring Bergen and discussing the role of time and temporality in understandings of urban transition. In the gathering, visiting scholars engaged with various actors in Bergen – architects, community activists and the immigrant community.



Ragnhild Nabben & Sveinung Sundfjor Sivertsen from Fremtenkt photo: Judith Dalsgård



ASSET seminars at the Royal Norwegian Embassy in Delhi. Photo: Siddharth Sareen



cChange wrkshop on the nature of transformation at Grand Photo: cChange



Timelab workshop in Bergen in June photo: Johan Eifving



Timelab workshop in Bergen in June photo: Johan Eifving

EDUCATION

Master's students at CET

The annual master's seminar was held in March 2024. Students had the opportunity to present their work to CET researchers and received valuable feedback from our interdisciplinary research group. A selection of the completed master's theses is shown on the right.

This year, all three of our master's students are in the Master of Sustainability programme:

- **Lina Seldal** is writing about the correlation between climate, environment and human rights in companies. Her supervisor is Roger Strand (SVT). Her CET mentor is Shayan Shokrgozar.
- **Finn Corus** is conducting an uncertainty assessment of the process of developing Strategic Environmental Assessments (SEIA) for offshore wind. His supervisors are Jeroen van der Sluijs (SVT) and Aiste Klimašauskaitė (SVT). His CET mentor is Mahir Yazar.
- **Ingvild Kjelsvik** is looking into nuclear energy, specifically small modular reactors (SMR). Her supervisors are Tsimafei Kazlou (CET) and Jessica Jewell (Chalmers/CET). Her CET mentor is Silje Kristiansen.

Master's theses completed in 2024

Maria Thomassen, Department of Sociology
Land management and corruption: a quantitative analysis of democratic countries

Yas Jilardi, Department of Geography, System Dynamics
Addressing the challenge of rapid electric vehicle adoption and scaling up end-of-life battery management within a circular economy in Norway.

Richard Andresen, Master of Sustainability, SVT
Profiteers of Ignorance: Tactics of Organized Climate Denial, Micropolitics of Doubt, and Power-Knowledge

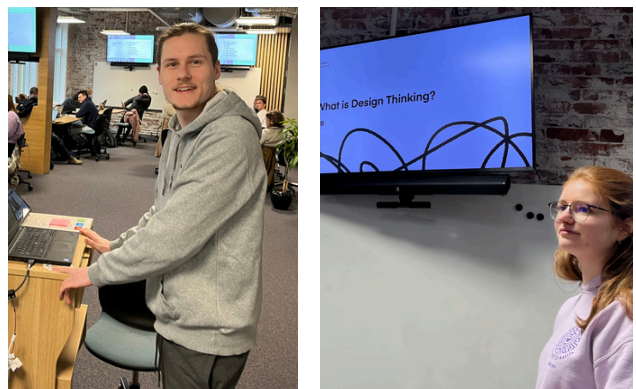


Master students 2024/25. From left: Lina Seldal, Finn Corus and Ingvild Kjelsvik. Photo: Judith Dalsgård

CET201: Sustainable Innovation

2024 marked the final year of the CET201 Sustainable Innovation course run by the UiB Collaboratory. The award-winning, student-driven course was supported by CET, with Jakob Grandin employed as an Associate Professor II and mentor. Students Finn Corus and Annalisa Grandini coordinated the final round of the CET201 course.

35 students joined the sixth round of the CET201 Sustainable Innovation course. The eight interdisciplinary groups worked on sustainability cases from companies and organisations including *Naturvernforbundet, Skyss, Sammen, DNT, Bergen Hostel Montana, Bergen Municipality* and *Klimapartnere Vestland*. The students came up with innovative solutions for the cases including a sustainable value chain for the recycling of plastic waste from hospitals, a certification for climate accounting for small companies, and an innovative second hand sell and repair concept.



The Collaboratory co-ordinators in 2024: Finn Corus and Annalisa Grandini
Photo: Jakob Grandin

Empowered Futures

In May, CET held a PhD Course on “Theory and practice for equitable and just transformations to sustainability”. Over the course of five days, 27 PhD students discussed and explored the interconnections between theories on sustainable transformation and practices in cities.

Håvard Haarstad was course responsible alongside Per Gunnar Røe, from the University of Oslo. The course was part of the Empowered Futures researcher school.

The central question of the course was, ‘What is the most appropriate theoretical starting point for engaging with real-world change?’ The course started with discussions about various theoretical approaches, such as the debates between transitions and transformation. Then, the students were challenged to explore what these theories mean in practice. The idea was that theories are not ‘right’ or ‘wrong’ – their merit comes from how useful they are when we try to understand the attempts to improve sustainability in the world around us.

The Climate Director in the City of Bergen, Stina Oseland (a CET alumnus), introduced the students to climate plans and initiatives in Bergen. Then, the students spent a whole day doing a ‘mobile lab’ – a methodology to explore the interrelationship between theory and practice through explorative and creative field investigation in a site – in other words, moving around a city using our own sensory and intellectual apparatus to find answers. Groups of students then explored Bergen, armed with the question, ‘What strategies and interventions are suited to create sustainable change in Bergen?’

Halfway in the week, the course moved to Oslo by train in its own private carriage. The journey was spent working and discussing in groups, as well as looking out the window. In Oslo the course visited Hovinbyen and witnessed the major urban redevelopments there and presentations by representatives from the City of Oslo. The course was concluded with a lecture by Karen O’Brien, one of the key intellectual founders of transformations thinking, on her idea of ‘The three spheres of transformation’, and a workshop on Designing Research for Impact.



From Top: The Empowered Futures PhD cohort.

Håvard Haarstad delivering a lecture in Bergen.

The PhD course also used the train ride from Bergen to Oslo for group discussions.

The PhDs explored transformation in different neighbourhoods in Bergen.

All photos: Neil Gordon Davey, NMBU

THE COLLABORATORY

After seven years of engaging and impressive work, 2024 marked the last year for The Collaboratory activities. The prize-winning education project will not be continued in 2025.

The Collaboratory at UiB, initiated by Jakob Grandin and Tarje Wanvik in 2018 and inspired by CEMUS at Uppsala University, aims to promote interdisciplinary collaboration among students, researchers, and practitioners to tackle complex societal challenges.

The Collaboratory has been a creative force at CET, experimenting with new teaching methods and involving students in knowledge development. This approach has left a lasting impact on the university. In 2021, The Collaboratory won the University of Bergen prize for education quality, "Ugleprisen".

Breaking with traditional academic structures, The Collaboratory allowed students to shape the student conference BISC and the innovative sustainability course CET 201. It challenged the traditional one-way flow of knowledge in universities, advocating for active learning and problem-solving. It also demonstrated students' capacity for learning and knowledge production through interdisciplinary collaboration and student-active learning.

BISC, The Bergen International Student Conference, ran from 2018 – 2022 and was a conference with strong engagement and high-quality discussions. It attracted students from far and wide and mobilised many students

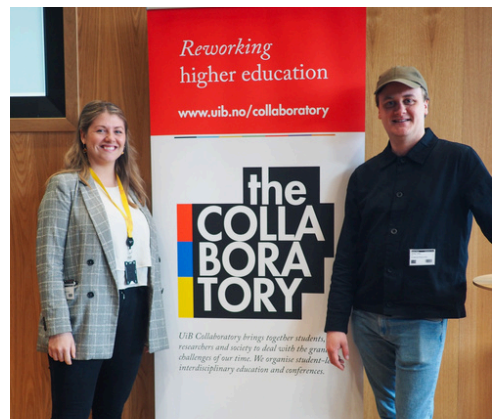
CET201, a case-driven course linked to local businesses, started in 2019. Six cohorts of students tackled real-world sustainability problems. Two student coordinators planned and ran the course, and the interdisciplinary groups of students brought diverse perspectives and practical learning experiences, leading to innovative solutions.

CET thanks everyone who has been involved in The Collaboratory since 2017: Johan, Ragnhild, Åshild, Synnøve, Ronya, Maiken, August, Hanne, Marie, Ingeborg, Hannah, Frida, Julie, Marjan, Tori, Finn and Annalisa. Lastly, thank you to Jakob Grandin, who led the project. A thank you to all the CET and UiB researchers and staff who participated in teaching and knowledge exchange.

We hope the experiences from The Collaboratory will be used to form a model for university-society collaboration, integrating practical perspectives into education without compromising academic integrity.

*From top: Winners of the education quality prize! Photo: Torhild Dahl
CET201 coordinators 2022&2023 Ingeborg Rønning and Hannah Johansen
CET201 coordinators 2019 Åshild Aarø and Johan Elfving photo: CET
BISC 2018*

Johan Elfving, Ronya Solberg, Jakob Grandin, Håvard Haarstad & Peter Andersen with the Ugleprisen. Photo: Torhild Dahl



ORGANISATION

Secretariat



Professor **Håvard Haarstad**
Director



Nora Haukali
Research coordinator



Judith L. Reczek Dalsgård
Communications manager

CET Steering Committee 2022 - 2025

The CET steering committee consists of representatives from the partner organizations UiB, NORCE, NHH.



Photo: Eivind Senneset

Chair: **Siri Gloppen**,
Vice-dean for
research, Faculty of
Social Sciences, UiB.



Photo: Eivind Senneset

Peter Andersen,
Head of Department
Dept. of Geography,
UiB



Photo: NHH

Malin Arve,
Vice-Rector,
NHH



Photo: Ellen Viste

Kikki Kleiven,
Director, Bjerknes
Centre for Climate
Research



Photo: Eivind Senneset

Ståle Knudsen,
Professor, Dept. of
Social Anthropology,
UiB



Photo: Rune Rolvsjord/NORCE

Ingrid Helgøy,
Deputy EVP Health &
Social Sciences,
NORCE

Finances

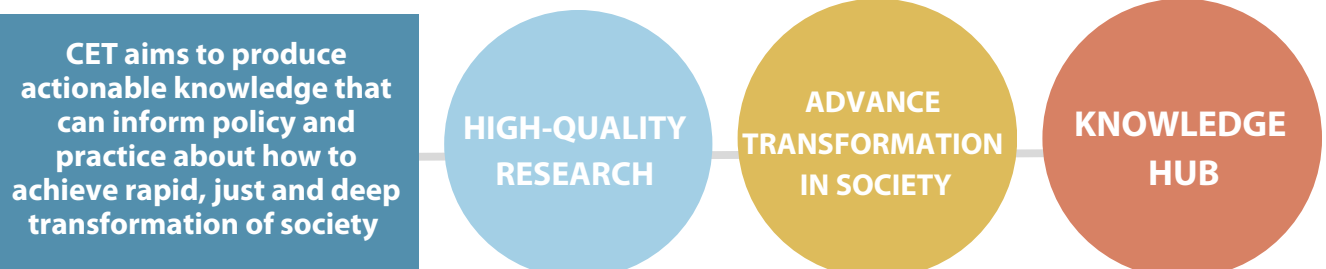
CET receives an annual allocation through the Norwegian Ministry of Education and Research. UiB Faculty of Social Sciences provides support for office facilities. The CET201 course was financially supported by the Faculty and the Department until the end of 2024.

CET also receives funding from external projects as listed in **annex 4** (page 31).



CET is based at the Faculty of Social Sciences at the University of Bergen and is located on the 4th floor of Christies gt 18.

Strategy 2023 - 2026





Annexes

1. CET Publications
2. Media Outreach
3. Affiliate Publications
4. Projects overview
5. Events overview

ANNEX 1: CET PUBLICATIONS

CET publications

The following publications are authored or co-authored by CET affiliates, and CET is acknowledged since the project was partly owned or co-funded by CET.

Journal articles

Barquet, K., Morsut C., Rhinard M., Englund M., Mees H., Hegland Engen O.A., Neby S., Jochemsen N., and Angell E. 2024. "Variations of riskification: Climate change adaptation in four European cities." *Risk, Hazards, & Crisis in Public Policy* 15(4): 491-517.

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Kazlou, T., Cherp, A., and Jewell, J. 2024. "Feasible deployment of carbon capture and storage and the requirements of climate targets." *Nature Climate Change* 14: 1047-1055.

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- Mahoney, K., Lopes, R., Sareen, S., and Gouveia, J.P., 2024. "Perceptions of competing agendas in carbon neutrality policies in Portugal: Adverse impacts on vulnerable population groups." *Energy Research & Social Science* 112, 103509.
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Weinreich, D., and Skuzinski, T. S. 2025. "Governing transit in a decentralised landscape." Pp. 447-461 in *Handbook of Transportation and Public Policy*, eds. A. Perl, R.S. Ray, and L. Reardon. Edward Elgar Publishing.

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Doctoral theses

Rosales, R. 2024. Urban freight – a matter of concern for cities? Assessing governance for sustainable freight in Norway. [Doctoral dissertation, University of Bergen].

Schrage, J. 2024. Practicing urban climate governance: Organisational work and energy demand reduction in Nordic cities [Doctoral dissertation, University of Bergen].

Shrestha, S. 2024. Sustainability beyond optimization: Public-private actor interactions in urban logistics governance [Doctoral dissertation, University of Bergen].

ANNEX 2: MEDIA OUTREACH

CET media outreach

The following is an overview of media and public outreach by CET affiliates.

Bazzano, F., and Betti, M. 2024. The Journey of Gas Podcast. Spotify, April-May 2024.

Betti, M. 2024. Marianna har segla i fleire månadar for å forska på samspelet mellom mennesker og maskiner. Skipsrevyen, 3 January 2024.

Fløttum, Kjersti. 2024. Exploring climate change narratives: Academia Europaea, 16 July 2024.

Gregersen, T. 2024. Bør vi redusere forbruket? Energi og Klima, 6 May 2024.

Gregersen, T. 2024. Undersøkelse om klimaprotester: Stor motstand mot suppekasting. NRK, 20 September 2024.

Gregersen, T., Faleide, I. K., and Tvinnereim, E.M. 2024. Flertallet for hawind minker – økt motstand mot landbasert vindkraft. Energi og Klima.

Gregersen, T. 2024 Bør vi slutte å bruke ordet klimaangst? Forskning.no, 3 July 2024.

Gregersen, T. 2024. Efter oversvømmelserne i Valencia: «Det er begivenheder som den her, der får os mennesker til at reagere». Information.dk, 11 May 2024.

Gregersen, T. 2024. Fra Mexico til Sør-Korea: Folk vil ha slutt på engangsplast. ung.forskning.no, 2 July 2024.

Gregersen, T. 2024. Isolde gjør det hun kan for å leve klimavennlig. Mest av alt frykter hun likegyldigheten. Bergens Tidende, 28 January 2024.

Gregersen, T. 2024. Public perceives “climate anxiety” more negatively than “worry” or “concern”. PsyPost, 21 June 2024.

Gregersen, T. 2024. P2-pulsen, Om klimaangst. NrK P2-pulsen [Radio], 8 July 2024.

Gregersen, T. 2024. Stor undersøkelse: Mange tror at naboen bryr seg mindre om klima. Forskning.no, 24 August 2024.

Gregersen, T. 2024. ‘The high life can be low carbon’: the European royals taking on the climate crisis. The Guardian, 12 January 2024.

Haarstad, H. 2024. Rekordstort cruiseskip la fra kai: - Grotesk eksempel. TV2, 2 February 2024.

Haarstad, H. 2024. Forsker og aktivist? - Vi må kunne si ifra når vi vet vi beveger oss i en skadelig retning. Khrono, 8 February 2024.

Haarstad, H. 2024. BRUKT-BOOM. Hvor miljøvennlig er dette? Bergensavisen, 28 February 2024.

Haarstad, H. 2024. Eksplosjon av bruktbuikker: - Jeg håper dette blir den nye normalen! Bergensavisen, 4 March 2024.

Haarstad, H. 2024. Frykter ny skrekksommer: - Katastrofalt dårlig. Børsen, 21 May 2024.

Haarstad, H. 2024. Klimatförnekarna - fråan fossilindustrin till extremhögern. Tidningen Syre, 29 May 2024.

Haarstad, H. 2024. UiBs klimautslipp øker. Studvest, 8 November 2024.

Kazlou, T. 2024. Major boost in carbon capture and storage essential to reach 2°C climate target. Chalmers University of Technology Press release, 25 September 2024.

Kazlou, T. 2024. Behind the paper: Feasible deployment of carbon capture and storage. Springer Nature, 27 September 2024.

Kazlou, T. 2024. Carbon capture and storage needs major boost to reach 2°C climate target. Engineering and Technology, 26 September 2024.

Kazlou, T. 2024. Chalmers, U Bergen study finds major boost in carbon capture and storage essential to reach 2 °C climate target. Green Car Congress, 30 September 2024.

Kazlou, T. 2024. Carbon Capture and Storage Falls Short of Climate Targets, Study Finds. Science Blog, 25 September 2024.

Kazlou, T. 2024. Can we meet climate targets with carbon capture technology? Earth.com, 27 September 2024.

Kazlou, T. 2024. Carbon Capture Expansion: A Challenge for Climate Targets. Lab Horizons, 26 September 2024.

Kazlou, T. 2024. CCS Projects Are behind Schedule to Meet Climate Goals, Study Finds. Advanced Biofuels USA, 27 September 2024.

Kazlou, T. 2024. Crucial Role of Carbon Capture and Storage in 2°C Climate Target. Envirojusticepr, 26 September 2024.

Kazlou, T. 2024. Is carbon capture and storage really a feasible option to combat climate change? AgTechNavigator, 4 October 2024.

Nedelciu, C. E. 2024. "A point of view: Deep-sea mining: short-sighted, unnecessary and dangerous." In Ocean Challenge magazine, 27(2): 9.

Nedelciu, C. E. 2024. "Kortsiktig retorikk om dyphavsgruvedrift." Bergen Avisen, 3 May 2024.

Sareen, S. 2024. Solar futures. Cultures of Energy podcast episode, 17 March 2024.

Sareen, S. 2024. UiS-professor får forskingspris. NRK, 6 June 2024.

Sareen, S. 2024. Dropp siloene! Det er et presserende behov for å beregne omstilling på tvers av sektorer. Altinget.no, 3 October 2024.

Sareen, S. 2024. Interview with 2024 Nils Klim Prize Laureate Siddharth Sareen. Holberg Prize Talks.

Sareen, S. 2024. The 2024 Nils Klim Conversation: Siddharth Sareen. Holberg Prize YouTube, 14 October 2024.

Sareen, S. 2024. På tide å løsne grepet til fossilindustrien i energiomstillingsdebatten. Altinget.no, 18 November 2024.

Sareen, S. 2024. New in Norway? Forskerrådet Podcast, 29 November 2024.

Shrestha, S. 2024. Start involving children in climate decisions! Reflections on intergenerational justice from Norway. Undisciplined Environments, 6 February 2024.

Tvinnereim, E.M. 2024. Nordmenn liker ikke tanken på kjernekraft. CICERO, 1 October 2024.

Yazar, M. 2024. How urban climate action is fuelling populist backlash. The Loop: ECPR ´s Political Science Blog.

Yazar, M. 2024. Misnøyens triumf. Q&A on climate policy & the far right. CICERO, 11 June 2024.

Yazar, M. 2024. Trump's Green-Bashing and Europe's Right Put Climate Goals at Risk. Bloomberg, 27 February 2024.

ANNEX 3: PUBLICATIONS

Other publications

The following publications are authored or co-authored by CET affiliates and are of relevance to CET, but where CET did not directly fund or contribute to the project/publications.

Journal articles

- Betti, M. 2024. "Maturing Machines: Technological Development and Situated Practices of Socialization Onboard Liquefied Natural Gas (LNG) Carriers." *Public Anthropologist* 6(2): 372-403.
- Betti, M. 2024. Review of Bond, David (2022) *Negative ecologies: Fossil fuels and the discovery of the environment*, Univ of California Press, 262 pp., ISBN: 978-0-52038-678-5.
- Böhm, N., Doran, R., Böhm, G., and Ogunbode, C. A. 2024. "Patterns of affective images of animal-sourced food in Norway: Land versus sea." *Food Quality and Preference* 117, 105168.
- Contzen, N., Perlaviciute, G., Steg, L., Reckels, S., Alves, S., Bidwell, D., Böhm, G., Bonaiuto, M., Chou, L-F., Corral-Verdugo, V., Dessi, F., Dietz, T., Doran, R. ... Yalcinkaya, N. S 2024. "Public opinion about solar radiation management: A cross-cultural study in 20 countries around the world." *Climatic Change* 177(4), 65.
- Cosku Can Orhan, Jaikishan Soman, and Stein W. Wallace. 2024. "Disconnecting the City Center to Prevent Through Traffic in Bergen, Norway An A Priori Evaluation of How Freight Affects the Regulation." *Transportation Research Part A* 185, 104125.
- Cosku Can Orhan, Julio Goetz, Mario Guajardo Ondrej Osicka, and Stein W. Wallace. 2024. "Assessing macro effects of freight consolidation on the livability of small cities using vehicle routing as micro models: The case of Bergen, Norway." *Transportation Research Part E* 185, 103521.
- Doran, R., Bø, S., & Hanss, D. 2024. "Efficacy beliefs regarding purchases of environmentally friendly products on holiday." *Tourism Recreation Research* 49(3): 676–682.
- Elgesem, D., Knudsen, E., and Fløttum, K. 2024. "The Impact of Climate Change on Lifestyle Journalism." *Journalism Studies* 25(4): 337-357.
- Felipe-Rodriguez, M., Böhm, G., and Doran, R. 2024. "Who worries about microplastics? The relative importance of personal values and individual risk judgments." *PsyEcology: Bilingual Journal of Environmental Psychology* 15(1): 9–31.
- Fløttum, K., and Gjerstad, Ø. 2024. "Le paradoxe norvégien, entre avantages climatiques et intérêts pétroliers." *Hermès: Cognition, communication, politique* 93: 148-151.
- Hugøy, Isabelle. 2024. "Unearthing care: Rooting alternative agricultural practices in Norway and Costa Rica." *Environment and Planning E: Nature and Space* 7(4): 1711-1734.
- Klimašauskaitė, A., Drivdal, L. E., Larsen, H., and Nedelciu, C. E. 2024. "Could deep-sea mining sustain sustainability? The international seabed authority and the UN 2030 agenda." *Resources Policy* 98, 105332.
- King, K., Tråsavik, H. and Sareen, S., 2024. "Take a hike: Spatializing allemannsretten and transportation accessibility for outdoor recreation in the Greater Stavanger Region, Norway." *Norsk Geografisk Tidsskrift* 78:1-14.
- Ogunbode, C. A., Doran, R., ... Clayton, S. 2024. "Climate justice beliefs related to climate action and policy support around the world." *Nature Climate Change* 14(11): 1144–1150.
- Oostdijk, M., Elsler, L. G., Van Deelen, J., Auping, W. L., Kwakkel, J., Schadeberg, A., Vastenhou, B.M., Nedelciu, C.E., Berzaghi, F., Prellezo, R., and Wisz, M. S. 2024. "Modeling fisheries and carbon sequestration ecosystem services under deep uncertainty in the ocean twilight zone." *Ambio* 53(11): 1632-1648.
- Ogunbode, C. A., Salmela-Aro, K., Maran, D. A., van den Broek, K. Doran, R., ... Aitken Schermer, J. 2024. "Do neuroticism and efficacy beliefs moderate the relationship between climate change worry and mental wellbeing?" *Journal of Affective Disorders* 10(11), 141753.

Sareen, S., Dodge, A., Nakakaawa-Jjunju, C., and Nabaasa, B., 2024. "Scales of accountability: Solar mini-grids and clean energy for all in Uganda." *Energy Research & Social Science* 118, 103805.

Sue-Chue-Lam, C., Bhopal, A., Parker, J., and Xie, E. C. 2024. "Net Zero is not enough: ratcheting ambition for sustainable health systems through Reduce and Support." *BMJ Global Health* 8(Suppl 3).

Ødegaard, C. V., & Betti, M. 2024. "Automation and Extraction. Shifting (In) Visibilities at New Technological Frontiers: An Introduction." *Public Anthropologist* 6(2): 225-244.

Books and Book Chapters

Badiang Oloko, F., Gjerstad, Ø., and Fløttum, K. 2024. "Les controverses du changement climatique en France et en Norvège. Une analyse thématique et polyphonique." Pp. 386-405 in *Nouvelles tendances de la romanistique scandinave*, eds. M. Birkelund and S.S. Fernández. AU Library Scholarly Publishing Services 2024 ISBN 978-87-7507-557-7.

Doran, R., Larsen, S., & Wolff, K. 2024. "Environmental behaviour on vacation: insights and challenges." Pp. 134-144 in *Research Handbook on Tourism, Complexity and Uncertainty*, eds. F. Kock, A. Lindgreen, & S. Markovic. Edward Elgar Publishing.

Fløttum, K., Dahl, T., Scheurer, J. 2024. "'Trying (hard), but it's difficult': Youth voices on lifestyle matters in a climate perspective." Pp. 392-406 in *The Routledge Handbook on Language & Youth Culture*, eds. Svendsen, B. A., Jonsson, R. London and New York, Routledge.

Langhelle, O., Sareen, S., and Silvester, B.R., 2024. "From CCS to CCU and CCUS—the pitfalls of utilisation and storage." Pp. 127-142 in *Making CO₂ a Resource*, eds. Ø. Stokke and E.M. Oftedal. Abingdon: Routledge.

Policy briefs and reports

Andersen, G., Tvinneim, E.M. 2024. Hva mener folk i Norge om å redusere forbruket sitt? Universitetet i Bergen 2024 Medborgernotater NORCE UiB

Collste D., Cornell S.E., Palm C., Rajah J.K., and Kopainsky B. 2024. Learning and training – external engagement with citizens. D4.4 HEurope project WorldTrans – Transparent Assessments for Real People.

Lindqvist A.N., Cornell S.E., Collste D., Palm C., Rajah J.K., Kopainsky B. 2024. Scientific synthesis: fitness for purpose of current IAM approaches. D4.3 HEurope project WorldTrans – Transparent Assessments for Real People.

Rajah J.K., Kopainsky B., and Eker S. 2024. Report on conceptualization of pro-environmental value shifts for modeling human behavioral changes. D2.3 HEurope project WorldTrans – Transparent Assessments for Real People.

Schoenberg W.A., Mauritzen C., Adakudlu M., Blanz B., Breier J., Callegari B., Collste D., Cornell S., Donges J., Eker S., Gerten D., Gjermundsen A., Grimeland M. B., Kopainsky B., Li C., Mashhadi S., Rajah J. K., Ramme L., Smith C., Wang Erlandsson L., and Wells C., Ye, Q. 2024. Towards a "fit for purpose", fully coupled, integrated, and interdisciplinary world-Earth model - Documentation of FRIDA Version 1.0. D3.4 HEurope project WorldTrans – Transparent Assessments for Real People.

Wilkerson, B., Ventocilla, J., Öllerer, K. and Vasilijevic, M. 2024. Report setting out the capacity needs to deliver scientific and technical cooperation. Deliverable D4.1 EU Horizon Europe CO-OP4CBD Project, Grant agreement No 101081778.

Vukelic, M., Correa, R.J., Kahilainen, A., Topper, J., Wilkerson, B., Auvinen, A.P. and Öllerer, K. 2024. Requirements and capacity needs report and recommendations in relation to the monitoring framework. Deliverable D3.1 EU Horizon Europe CO-OP4CBD Project, Grant agreement No 101081778.

ANNEX 4: PROJECTS

CET Projects

The following projects are fully or partly owned by CET.

Funder/Project title	Project owner	CET partner(s)	Project period	Total budget (NOK)	Portion of budget to CET
EU - H2020				131 148 740	3 758 500
CINTRAN - Carbon Intensive Regions in Transitions - Unravelling the Challenges of Structural Change	Wuppertal Institut für Klima, Umwelt, Energie GMBH	Mahir Yazar, Håvard Haarstad, Jessica Jewell, Endre Tvinnereim	2020-2024	29 994 050	1 477 900
Varcities - Visionary nature-based actions for health, wellbeing & resilience in cities	Telecommunication System Institute	Håvard Haarstad	2020-2025	101 154 690	2 280 600
EU - ERC				15 000 000	712 500
MANIFEST - MechANisms and Feasible Energy Transformation	Chalmers University of Technology	Jessica Jewell	2021-2026	15 000 000	712 500
Research Council of Norway (RCN)				70 013 000	15 344 764
CITYFREIGHT - Freight Logistics in Smart Cities	NHH	Håvard Haarstad, Rafael Rosales, Subina Shrestha	2020-2024	18 558 000	6 329 818
ASSET - Accountable Solar Energy TransitionS	UiS	Siddharth Sareen, Shayan Shokrgozar	2021-2024	11 343 000	3 235 000
MUCS - Media use in crisis situations	Department of InfoMedia, UiB	Håvard Haarstad, Ida Sekanina	2021-2025	12 420 000	3 892 000
CIRCULAR - Collaborative innovation for reduced consumption	NIBR, OsloMet	Håvard Haarstad	2024-2027	11 004 000	445 946
Empowered Futures - A global researcher school	NMBU	Håvard Haarstad	2022-2030	16 688 000	1 442 000

ANNEX 4: PROJECTS

Funder/Project title	Project owner	CET partner(s)	Project period	Total budget (NOK)	Portion of budget to CET
Global Societal Challenges, UiB				2 680 000	2 680 000
PhD Position: The global implications of Norway's electric car revolution	CET, UiB	Håvard Haarstad, Siddharth Sareen	2021-2026	2 680 000	2 680 000
Climate and Energy Transition, UiB				3 000 000	300 000
PhD Position: HySociety: Hydrogen as an energy carrier in society	Department of Physics and Technology, UiB	Håvard Haarstad	2021-2025	3 000 000	300 000
Regionalt forskningsfond				3 000 000	900 000
Klimabudsjett 2.0	Vestlandsforskning	Jesse Schrage	2021-2024	3 000 000	900 000
Klima- und Energifonds				2 958 976	482 059
TRANSFLIGHT - Shaping the future of air travel	University of Graz	Jakob Grandin, Jesse Schrage	2022-2024	2 958 976	482 059
The British Academy					300 000
The Times of Just Transition	University of Bristol	Håvard Haarstad	2023-2026		300 000
Grand total				227 800 716	24 477 823

ANNEX 5: EVENTS

CET events

Date	Type	Title	Name	Organizer
25.01.24	Opening	Official opening of the new CET offices	Margareth Hagen, Jan-Erik Askildsen	CET
07.02.24	Day Zero	1. The Researcher as an activist 2. Charting desirable energy futures	Janne Bjørgan, Christine van der Horst, Judith Daslgård, Anand Bhopal, Kerim Nisancioglu, Linda Haaland, Mikkel Berg-Nordlie, Kjetil Rommetveit, Siddharth Sareen, Carlos Tornel, Kavya Michael	CET
08.02.24	Event	SDG Bergen Watch Party	Håvard (programme committee)	Bærekraftspilotene
20.02.24	Defense	Practicing urban climate governance	Jesse Schrage	Dept. of Geography
21.02.24	CET Lunch	Considering climate policy: Different roles in democracy - different prioritizations?	Mari Helliesen (NORCE)	CET
13.03.24	Bærekraftig frokost	Arealregnskapets time (varmere, våtere, villere umbrella programme)	Thea Haugen, Therese Fosholt Moe, Chris Jørgen Rødland, Kari Olrich Sørebo	Bergen Kommune, Vestland Fylkeskommune, Statsforvalteren på Vestlandet, HVL, BAS, UiB
13.03.24	CET Lunch	Varmere, Våtere, villere: Climate Justice and action in cities	Yann Robiou du Pont, Stina Oseland, Toril Eidesvik, Anja Bakken Riise, Håvard Haarstad	CET & Fremtenkt
13.03.24	Workshop	1.5 gradersbyen Bergen	Jakob Grandin, Ragnhild Nabben, Sveinung Sundfør Sivertsen	CET & Fremtenkt
22.03.24	Seminar	Solar energy transitions in India (Royal Norwegian Embassy)	Siddharth Sareen and Shayan Shokrgozar	CET
24.03.24	Seminar	Solar energy transitions in India (Jaipur)	Siddharth Sareen and Shayan Shokrgozar	CET
10.04.24	CET Lunch	The International Carbon Crediting Mechanism under the Paris Agreement	Arman Sarvarian (University of Surrey)	CET
24.04.24	CET Lunch	Pro-climate tipping points	Julianna Burrill (UiB)	CET

Date	Type	Title	Name	Organizer
12.04.24	Workshop	The Nature of Transformation: Connecting Research and Practice	Monica Sharma, Karen O'Brien, Sebastian Villasante, Liv-Hege Seglsten	cChange
24.04.24	CET Lunch	Pro-climate tipping points	Julianna Burrill (UiB)	CET
03.05.24	Breakfast seminar	Actionable Knowledge in Energy Transitions	Siddharth Sareen, Håvard Haarstad, Margrethe Brekke	CET, Holberg Prize
08.05.24	CET Lunch	Sustainable transitions in the Norwegian dwelling stock	Anne Sofie Bjelland (HVL)	CET
14.05.24	Event	Is climate adaptation fair?	Neil Adger (Uni. of Exeter), Lisa Schipper (Uni. Of Bonn)	CET
14.05.24	Guest lectures	Guest lectures by leading climate change scholars	Jon Barnett (Uni. of Melbourne), Lisa Schipper (Uni. of Bonn), Gina Ziergoval (Uni. of Cape Town)	CET
15.-16.05.24	Conference	Human geographies of climate change adaptation	Daniel Puig (organiser)	CET
22.05.24	CET Lunch	Contested wilderness: The importance of narratives in shaping responses to change in Svalbard's tourism regulations	Ragnhild Freng Dale (Vestlandsforskning)	CET
24.05.24	Defense	Urban Frieght - a matter of concern for cities	Rafael Rosales	Dept. of Geography
12.06.24	CET Lunch	Norwegian citizen's thoughts on climate (in)justice	Thea Gregersen (NORCE)	CET
21.06.24	CET Lunch	Pluralising place frames in urban transition management: net-zero transitions at precinct scale	Rob Raven (Monash university)	CET
27.06.24	Bærekraftig frokost	Making the long-term future relevant in urban planning: how do we plan for 2100 in Bergen	Jakob Grandin, Sveinung Sundfør Sivertsen, Johannes Stripple, Gabriella Gomez-Mont	CET, HVL, Bergen Kommune, Vestland fylkeskommune, BAS, Vestland Statsforvalteren.
21.08.24	CET Lunch	Backlash against sustainability policies – what approaches for CET research?	Håvard Haarstad	CET
30.08.24	Bærekraftig frokost	Praksis og paradokser i bærekraftig byutvikling	Håvard Haarstad	CET, HVL, Bergen Kommune, Vestland fylkeskommune, BAS, Vestland Statsforvalteren.

Date	Type	Title	Name	Organizer
04.09.24	CET Lunch	Political Parties and Climate Change: Building the PARTYCLIM dataset	Fay Farstad	CET
20.09.24	Event	UiB Innovasjonsfestival	Håvard Haarstad	UiB
20.-21.09.24	Stand	Forskningstorget: Bli en klimamyteknuser!	Judith Dalsgård, Subina Shrestha, Håvard Haarstad, Daniel Puig, Finn Corus	Forskningsdagene i Bergen
02.10.24	CET Lunch	Who sets the agenda? Mapping loud and quiet actors in the climate news	Janne Bjørgan	CET
16.10.24	CET Lunch	Adapting Legacy Institutions to New Challenges in Public Transport	David Weinreich	CET
30.10.24	CET Lunch	Climate science at the European Court of Human Rights: What's in it for Norway?	Yann Robiou du Pont	CET
13.11.24	CET Lunch	Conflict over consumption reduction: First results from the SCORE project	Endre Tvinnereim & Gisle Andersen	CET/NORCE
20.11.24	Event	Hvorfor protesterer så mange mot klimapolitikken?	Håvard Haarstad, Hege Hofstad,	NBIR
27.11.24	CET Lunch	Nuclear renaissance in Norway?! A study of Norwegian media coverage of nuclear energy.	Silje Kristiansen	CET
17.12.24	Defense	Sustainability Beyond Optimization - Public-private actor interactions in urban logistics governance	Subina Shrestha	Dept. of Geography

Centre partners

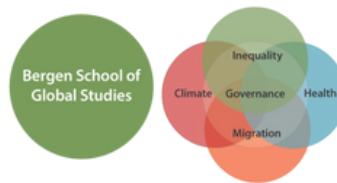


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