

Annual Report

2021



UNIVERSITY
OF OSLO



Include

Vision

Society urgently needs solutions that will protect the environment and prevent further climate change.

Include's vision is to contribute to making this transformation socially inclusive and just. Co-creation of knowledge and learning through experimentation form the cornerstones of our methodology.



Include
Annual Report
2021



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EXIT



ENTRÉ
ENTRÉ

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01

Introduction

Message from the Chair, Vebjørn Bakken

In its second year, Include has established itself as a thriving social science research centre for environmentally friendly energy (Forskningssenter for Miljøvennlig Energi – FME Samfunn). It has been a pleasure to observe our highly active group of researchers and practitioners engaging in dialogue and being involved in a range of projects on socially inclusive transition.

Likewise, our board has provided important strategic advice, for example regarding forthcoming policies that need attention from researchers and by encouraging researchers to share results at an early phase. Five members will soon have ended their two-year period serving on our board. On behalf of myself and the Include group, I would like to thank Inger Lise Blyverket (Norwegian Consumer Council), Bjørn Nordby (Asker municipality), Christoffer Klyve (Future in our Hands), Julie Sjøwall Oftedal (A-lab) and Henriette Rognlien (Hurdal municipality) for their valuable contributions and general enthusiasm.

The Include consortium is growing, and with two new members in 2021, we now have 24 partners representing practitioners. I would like to take this opportunity to warmly welcome Union of Education Norway and Troms Kraft to our group. As intended, Include's practitioners play a key role in the selection and implementation of research. This is reflected in the large number of practitioners taking part in projects, the many presentations given by partners, the increasing number of partner-led projects and our partners' evaluation of Include. According to a survey conducted among our partners, they consider Include as highly relevant to their own organisation and are generally satisfied with the ways they are involved in Include (chapter 9).

Financially, Include is on track, and it is great to see that up to now, PhD recruitment has been accomplished as planned. With an established group of six PhD fellows by the end of 2021 and three to four positions planned in 2022 and 2023, we have great expectations of these young scholars' contributions to the group and to the overall results deriving from Include in the years to come.

I also act as the Director of UiO:Energy, and would like to thank my colleagues in Include for inspiration and input on integrating social science and humanities perspectives with energy research at UiO. This summer, UiO:Energy provided six students with scholarships to conduct summer studies based on Include topics announced through an open call for applications. These resulted in five important reports on the social justice aspects of Norway's climate plan, the Norwegian COVID-19 compensation mechanism, urban planning affecting people living on the periphery of medium-sized cities, and the experiences of groups with disabilities regarding transport in Oslo. I would like to thank the involved Include researchers for their efforts as supervisors, and I am truly impressed by the work done by the students in these projects.



Vebjørn Bakken
UiO:Energy

Report from Tanja and Hege

In 2021 we have focused on getting the projects up and running. The Include group has also been highly engaged in the public debate, and we already see signs of impact of our environmental strategy.

Include has approximately 80 active participants representing partners and 45 senior researchers, as well as six PhD candidates and many master's students. In addition, to help spur our international engagement and general activities, Include enjoys collaboration with our nine members of the Advisory Board.

This year has allowed us to consider the impact of Include's Environmental strategy, which recommends that Include participants travel by land rather than air within Norway and northern Europe. The amount of travel has been lower than it would have been without the COVID-19 pandemic (e.g., nobody reported having travelled outside Norway). Nonetheless, the results from our system for registering emissions from travel activities are interesting. The amount of emissions from Include participants' travel was only 42% of what it would have been if the trips had been made with conventional air travel (see chapter 4). This is a highly inspiring result, and in 2022 we will seek to expand the measurement of Include's footprint by including CO2 emissions associated with catering during joint events.

We wish to highlight the ways in which Include researchers have made their results relevant to energy, climate and environmental policy. In 2021, the Include group produced 47 media contributions. Norway held a general election in 2021, and, with this in mind, Include sought to bring the need for just transformation on the national agenda. For example, Include researchers highlighted the importance of linking the natural crisis and the climate crisis in politics and policies and the need to address the situation of rural municipalities. Also, the issue of just transformation was discussed in several podcasts, including one that was made specifically for the university network for COP26.

Later in the year, Include contributions in the media spotlighted groups that often fall outside politics and plans for the energy and environmental transition, namely energy poor, i.e., people who experience that their energy needs are not met, the potential negative effects on households of new electricity grid tariffs, and groups with disabilities. In the latter case, the results showed that disabled groups often experience being excluded from participatory processes, which in turn leads to solutions that exclude disabled people from benefitting.

During 2021, we carried out a series of lunch seminars with different themes such as the role of labour unions in climate and environmental transition, wind power, academia's climate footprint and youth climate activism. We organised Include's annual conference in collaboration with our partners. To further spur partner collaboration, we established a new arena in 2021: Partner Forum. We also launched a new series of policy briefs called Results and Recommendations, where we publish early results from Include's research and implications that can be drawn from them. To enhance dissemination of key concepts in Include, we have initiated collaboration with a major Norwegian encyclopaedia, *Store norske leksikon*.

On a final note, we feel both humbled and proud to be part of the fantastic Include group, and would like to thank all our colleagues, including the people in the secretariat, for their enthusiasm and efforts.



A handwritten signature in blue ink that reads "Tanja Winther".

Tanja Winther
Professor and
Head of Include



A handwritten signature in blue ink that reads "Hege Westskog".

Hege Westskog
Senior researcher og
programme coordinator





02

Include at a glance

Include at a glance: goal, methodology and research objectives

Overall goal



Include's overall goal is to produce critical knowledge on how to achieve just transformation to a climate- and environment-friendly society through collaboration between researchers and practitioners.

Include takes a comprehensive approach to studying how climate gas reduction, environmental protection and a systemic energy transition can be achieved in a way that is socially inclusive and just. Our name, Include – Research centre for socially inclusive energy transition, reflects these ambitions. Include is funded by the Research Council of Norway (RCN) through the Centres for Environment-friendly Energy Research programme (Forskningssenter for Miljøvennlig Energi, FME Samfunn), 2020–2027.



Why Include?

The forthcoming transformation to a climate- and environment-friendly society requires more than technological solutions, top-down regulations and innovative market mechanisms. Include, anchored in social science disciplines, is well equipped to address some key challenges associated with the coming transformation for two reasons. First, policy instruments need to be perceived as relevant and fair to be socially accepted and gain legitimacy among affected communities and individuals. This would increase the feasibility of implementing the measures. For example, if regulations and initiatives coming from national authorities counteract actions that are perceived to be relevant on the local level, this may hinder the overall transformation. Protests against toll roads also illustrate that measures that are not perceived as relevant and fair risk becoming ineffective. This issue highlights the importance of understanding different perspectives and including the relevant levels of governance, organisations, groups and individuals in the process of forming transformative measures.

Second, it is not always the case that the most articulate and most vocal participants in public discourse surrounding a given measure represent the communities, organisations, groups or individuals most severely affected. Include will examine how societal and social structures come into play when new measures are introduced: do they reproduce, strengthen or balance existing injustices, including those related to geographical differences, levels of governance and/or different socio-economic groups?

We draw on three tenets associated with the concept of social justice, which are as follows: how measures affect and involve different groups and actors (distributional justice), how different groups and actors are involved in decision processes (procedural justice), and whose perspectives are considered and who bear responsibility (recognition justice). Include's work encompasses different sectors and disciplines, each representing a particular trajectory of concept development. Therefore, in our work the reader is likely to meet several versions of justice: energy justice, mobility justice and environmental justice. Across our work,



we pay particular attention to processes, whether they occur within municipalities when municipalities meet inhabitants and businesses or within grassroots initiatives. We hypothesise that socially inclusive processes will enhance transformation, but what social inclusion means in practice is an empirical question to examine, e.g., whether all groups and communities are represented in such processes and what can be done to ensure that the interests of all groups, including vulnerable groups, are taken into account.

Methodology

The cornerstones of Include's methodology are, first, *co-creation of knowledge*. This notion implies that we produce knowledge through collaboration between researchers and partners who represent the public, private and voluntary sectors. Our second cornerstone is *learning through experimentation*: based on the results, we will test and document the effects of promising solutions and provide recommendations for policy on the forthcoming transformation.

A note on our normative stance

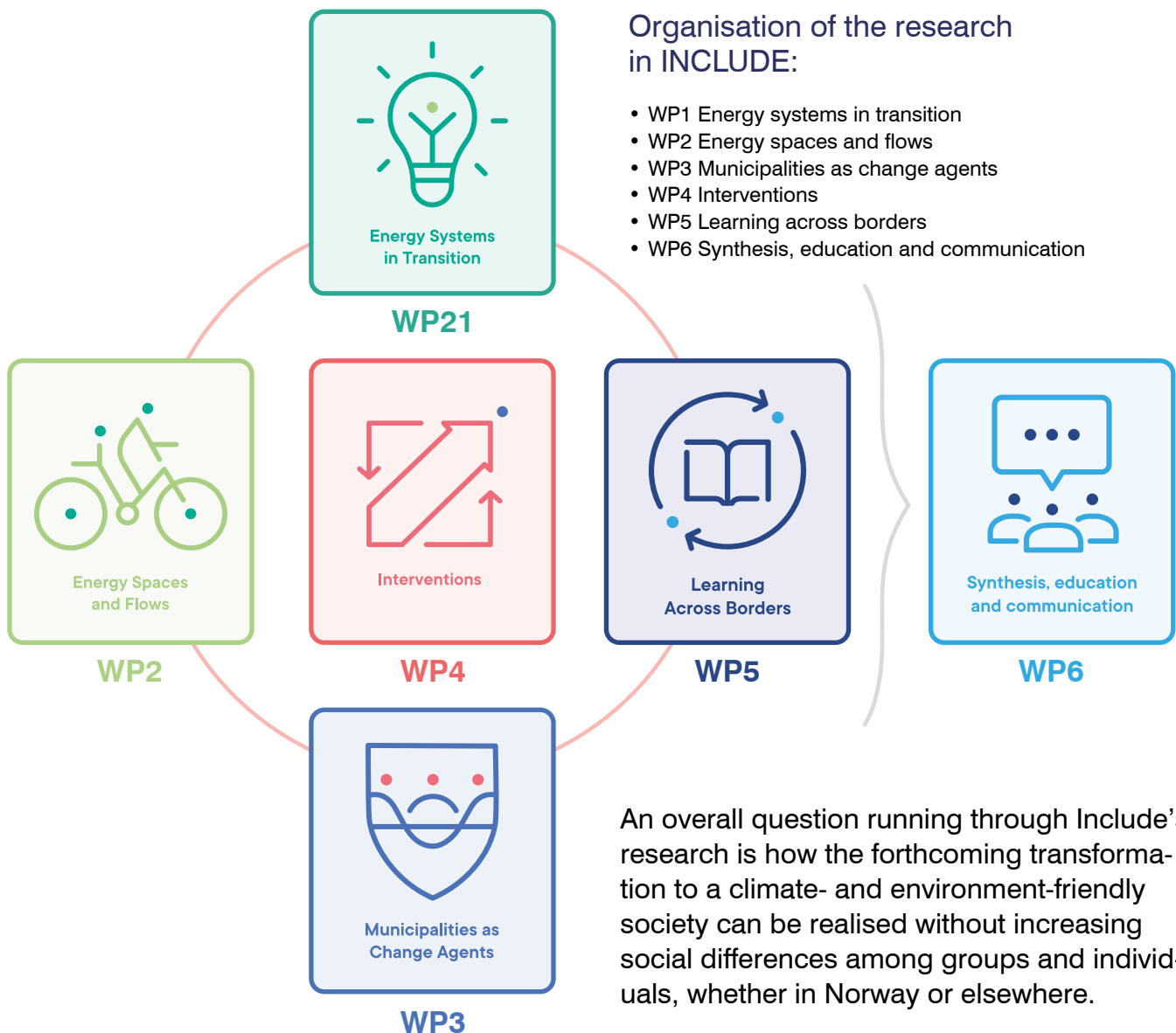
Include's core (normative) values are rooted in the urgent need to protect global and local environments while ensuring social inclusion and justice.



Transformation to a low-carbon society is demanding. Participation in the centre provides access to a platform where knowledge, experience and networks are gathered in one place and where transformation processes are not first and foremost about technology but about methods and inclusion of organisations and society in transformation processes. This means that we learn to see things from a wider perspective.

Ernst Kloosterman, Tromsø Municipality

Research plan and Work Packages





WP1

Energy systems in transition

WP1: Energy systems in transition

WP1 addresses stationary energy systems, starting with electricity. The existing Norwegian electricity system is primarily renewable (hydropower, although the share of wind power is increasing and solar power is starting to emerge); thus, a central question is how increased production of 'new' renewable electricity will affect the environment and communities and groups within Norway and in countries where resources are extracted. Another question is how subsidies and regulations affect small generators (micro hydro, wind, solar) compared with larger hydropower producers. Policies for distribution and end use of electricity highlight efficient use of resources and security of supply. Here, Include asks how regulations and measures impact different actors and different parts of the population. WP1 also addresses the question of diversification of Norway's energy carriers, starting with a study on bioenergy. Finally, Norway adopts EU directives with implications for numerous aspects of its energy sector. Here, we aim to understand and communicate the implications of such policies ahead of their implementation and how groups engage with EU policies.

WP1 research objectives

Overall objective: Analyse and provide recommendations on how the ongoing energy transition of the Norwegian energy system may increase resource efficiency and value creation, reduce emissions and degradation of local environments, and be socially just.

Sub-objectives:

- To understand how changes to a more decentralised, multidirectional and digitalised electricity system are determined, justified and experienced by stakeholders and end users, and the implications for energy justice, the environment and value creation.
- To explore the pros and cons of increased diversification of national energy sources and carriers with respect to energy justice, the environment and value creation.
- To identify the main drivers, barriers and energy justice implications related to Norwegian integration into the European energy markets.



The centre has been a crucial structure/platform and facilitator for increasing dialogue between FNI and new user partners and wider stakeholders, as we have a much wider contact network because of Include.

Tor Håkon Jackson Inderberg, Fridtjof Nansen Institute



WP2

Energy spaces and flows

WP2: Energy spaces and flows

WP2 expands the notion of energy to include embodied energy, and it focuses on space and the flow of people and goods, including consumption at large. By addressing public planning and the ways people live, work, commute and spend their leisure time, WP2 will examine how the transformation to a climate- and environment-friendly society can be achieved in a socially just manner. This implies studying how plans and measures affect people across different social markers, such as age, gender, income, education and ethnicity, and across different geographies, such as cities and towns, suburban versus urban; northern versus southern Norway, and Norway versus other countries.

WP2 research objectives

Overall objective: Analyse the geographies and everyday practices of direct and indirect energy use and provide recommendations to ensure socially just and inclusive decarbonised energy spaces.



Illustration photo: colourbox.com

Sub-objectives:

- To explore the direct and indirect energy use implications of urban and regional planning for buildings and systems of transport in light of current decarbonisation planning and design practices.
- To identify to what extent these practices lead to social and spatial inclusion and exclusion.
- To develop socially inclusive and sustainable energy planning and design strategies through co-creation with user partners.



WP3

Municipalities as change agents

WP3: Municipalities as change agents

The role of municipalities in driving the forthcoming transformation while meeting the needs of different groups is the focus of WP3. This includes investigating and analysing how the municipal organisation is preparing for and working towards implementing the necessary changes, how they involve the local community in their work and how the different levels of government collaborate to plan and implement socially inclusive transformative actions. Although the outcomes of transformative measures and policies for different groups and actors will be addressed, we will pay particular attention to the processes leading to the implementation of those measures. Crucial questions asked relate to which groups and actors are involved, in what way and for what reasons.



[Include] highlights the issue of a socially just transition to a low-carbon society. Important research.

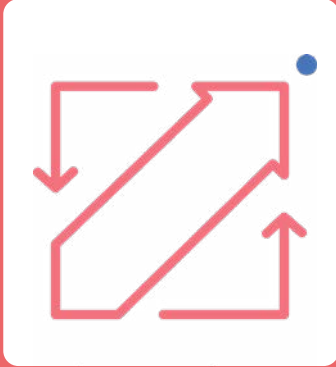
Gerd Jacobsen, Viken fylkeskommune

WP3 research objectives

Overall objective: Analyse and provide recommendations on how municipalities can develop strategies and measures that ensure a socially inclusive transformation to a climate- and environment-friendly society.

Sub-objectives:

- To identify practices and strategies that can be adopted to institutionalise socially inclusive transformative measures and policies.
- To understand how municipalities and stakeholders can co-create solutions for inclusive processes towards a low-carbon society and the potential outcomes related to social inclusiveness, climate and environmental impacts and value creation.
- To understand how regional and national levels can contribute to realising municipalities' potential to act as agents for socially inclusive transformative measures and policies.



WP4

Interventions

WP4: Interventions

The aim of Include is not only to study how a socially inclusive and just transformation to a climate- and environment-friendly society is possible, but also to work jointly with our partners to create concrete tools to achieve this transformation. WP4 builds on the research from the other WPs as well as on the knowledge and experience of Include's partners to develop, test and evaluate innovative interventions for societal transformation. Co-creation is a core pillar of the work in WP4: the proposed interventions are co-designed with Include's partners and other stakeholders and are tested, evaluated and revised in continuous dialogue with these stakeholders. In addition, many of the interventions focus on participatory approaches that encourage citizens to take part in the co-creation of social and environmental practices in their local communities.

WP4 research objectives

Overall objective: Together with user partners, co-design, experiment and evaluate innovative measures with the aim of reducing emissions and creating a climate- and environment-friendly society.

Sub-objectives:

- To explore how citizen participation and co-creation can be fostered using digital tools, for example, social media, digital representation, energy simulations, GIS systems and mobile media.
- To understand how local organisations can be configured to improve socially inclusive planning to achieve a climate- and environment-friendly society.
- To identify tools, methods and approaches needed for the development of meta-level inquiry synthesising experiences from the different interventions for further use.



Several municipalities promote local food

Photo Include



WP5

Learning across borders

WP5: Learning across borders

In this WP, we ask what Norway can learn from the United Kingdom. Durham County Council (DCC) has recently declared a climate emergency and proposed an action plan to implement measures to mitigate greenhouse gas emissions. Several Norwegian municipalities have also declared a climate emergency and developed climate action plans. What distinguishes the British response from the Norwegian one is, on the one hand, the extent of deprivation and inequality in the United Kingdom, where energy vulnerability (sometimes referred to as *energy poverty*) is a significant issue for UK energy policy and regulations and, on the other, the weak financial and policy position of British local authorities in a highly centralised polity. This explains Durham's focus on mitigating the energy effects of poverty and the position of vulnerable groups in their climate plan. The starting point for developing climate plans in Norway tends to be more focused on emission cuts, based on more abundant local powers than are available in the United Kingdom. WP5 aims to draw on UK experiences to reflect on how Norwegian local plans for climate emissions might more strongly integrate a concern for social justice.

WP5 research objectives

Overall objective: Through comparative research in Norway and the United Kingdom, analyse lessons learned and provide recommendations for a socially inclusive transformation to a low-carbon society.

Sub-objectives:

- To identify the strategic objectives of UK municipalities regarding the implementation of a socially inclusive and just transformation.
- To carry out case studies with DCC focusing on knowledge transfer in the context of the tensions/correspondences arising between decarbonisation and social justice and considering the role of civil society groups and other actors in shaping new initiatives.
- Together with investigators and others from the research consortium, to contribute to the development of a curriculum targeted at public planners in Norwegian municipalities.



Illustration photo: colourbox.com



WP6

Synthesis, education and communication

WP6: Synthesis, education and communication

WP6 will involve all research partners in synthesising the research findings and addressing cross-cutting issues. Further, it will develop educational programmes and research training of relevance to Include's focus area. Finally, under this work package communication between research and user partners will be secured, and results disseminated to our target groups. The target groups for Include's communication activities are the scientific community, partners and stakeholders, and the general public.

WP6 objectives:

1. To provide a synthesis of our research findings.
2. Address cross-cutting issues for all Include partners.
3. To contribute to research training and education within Include's focus areas by developing PhD and master's courses and creating a sense of community among involved students.
4. To ensure communication between research and user partners and disseminate the results to the scientific community, partners and stakeholders, and the public at large.

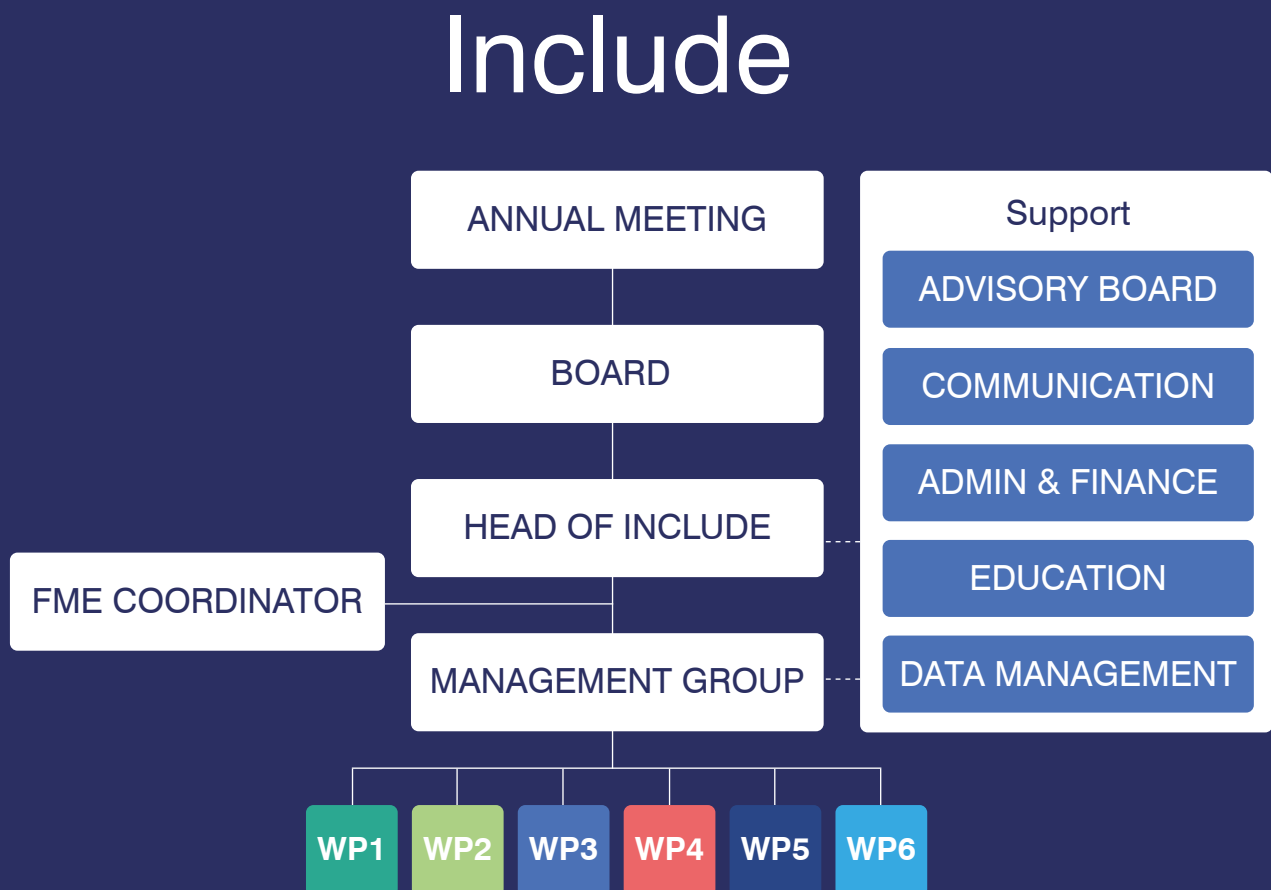


Photo: Billy Wilson / flickr

University College, Durham.

Organisation of Include

Organisational structure



Include's Board



Vebjørn Bakken
UiO



Kristin Halvorsen
CICERO



Iver Neumann
FNI



Matteo Chiesa
UiT



Bjørn Erik Nordby
Asker kommune



Henriette Rognlien
Hurdal kommune



Julie Sjøwall Oftedal
A-lab



Christoffer Klyve
FIVH



Inger Lise Blyverket
Forbrukerrådet

Organisation of Include

Management group



Tanja Winther
Head of Include
SUM, UiO



Hege Westskog
FME Coordinator and Lead WP3
SUM, UiO



Tor Håkon Jackson Inderberg
Lead WP1
Fridtjof Nansen Institute



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Civitas



Elin Anita Nilssen
UiT



Ingrid Andrea Holland
ISS, UiO

Researchers



Jon Birger Skjærseth
Fridtjof Nansen Institute



Kacper Szulecki
ISV, UiO



Karen O'Brien
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Karianne Krohn Taranger
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Katinka Holtmark
TØI / UiO ØI



Kendra Dupuy
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Researchers



Lars Wang
insam



Lene Foss
UiT



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Per Ove Eikeland
Fridtjof Nansen Institute



Petter Christiansen
TØI



Rolf Jacobsen
Gaia Arkitekter



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Fridtjof Nansen Institute



Ulrikke Bryn Wethal
SUM, UiO



Øyvind Sundet
SUM, UiO

Partners

The Centre for Development and the Environment (SUM) at the University of Oslo is the host for Include. In addition, six research institutions, both universities and research institutes, form part of the consortium. Durham University, UK, is our dedicated international partner. Furthermore, Include collaborates with 24 committed partners representing practitioners in the Norwegian public and private sectors and civil society. Our partners are actively involved in the centre's activities through Include's board, where they are in the majority, through Include's Partner Forum, WP reference group meetings, and in project groups for specific projects. They are also invited to take part in Include workshops, lunch seminars and communication activities, sharing knowledge that is crucial for the development of user-relevant research and results.

Research institutions



**UNIVERSITY
OF OSLO**

OSLOMET



**UiT The Arctic
University of Norway**

**OSLO METROPOLITAN UNIVERSITY
STORBYUNIVERSITETET**



**FRIDTJOF NANSENS INSTITUTT
FRIDTJOF NANSEN INSTITUTE**

toi

Institute of Transport Economics
Norwegian Centre for Transport Research

°CICERO
Senter for klimaforskning

 **Durham
University**

Partners

A_LAB



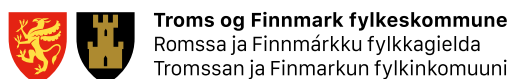
**ASPELIN
RAMM**



**Framtiden i
våre hender**



elinett







03

In numbers

Include in numbers

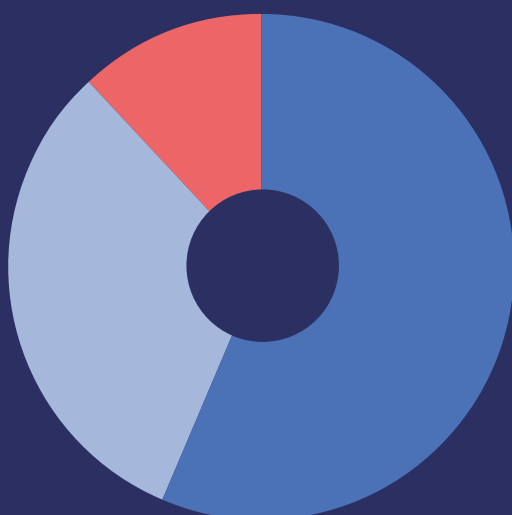
Overall

Years:

8

Budget:

NOK 168 445 000



95 000 000

RCN

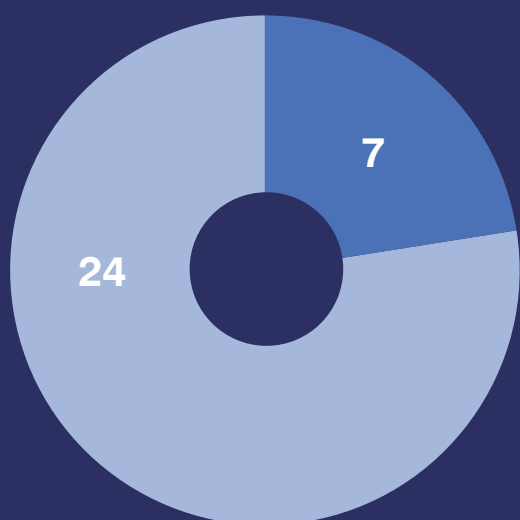
53 490 000

Research institutions

19 955 000

Partners

Team, institutions



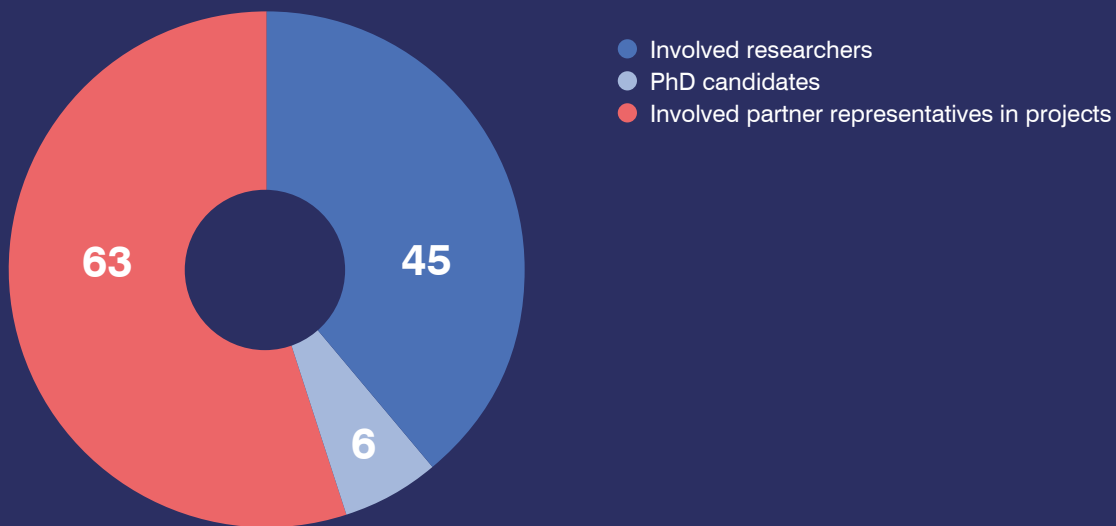
7

Research institutions

24

Partners

Team, people

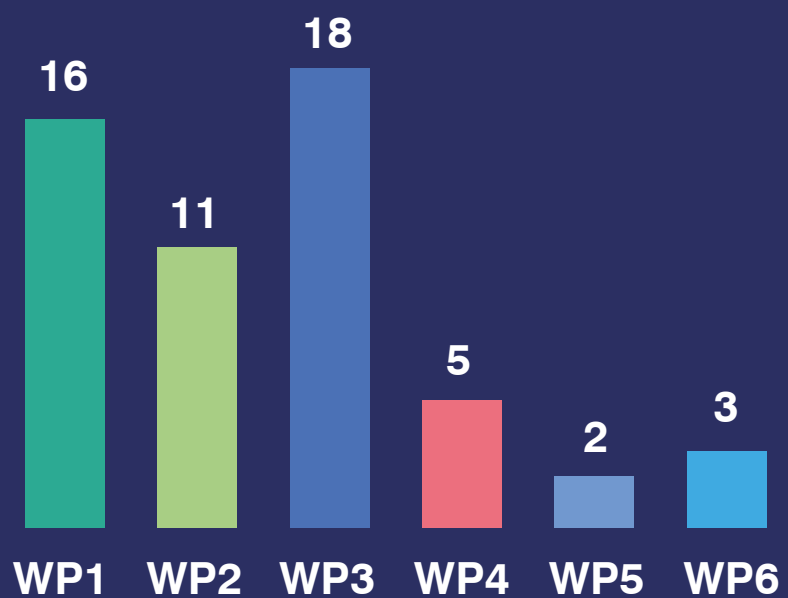


Projects

Include projects initiated (incl. PhD)

55
Projects initiated

21
Cross-WP
(included in the total)



Spin-off applications

Spin-off applications (both national and international):

22

Submitted
in 2021

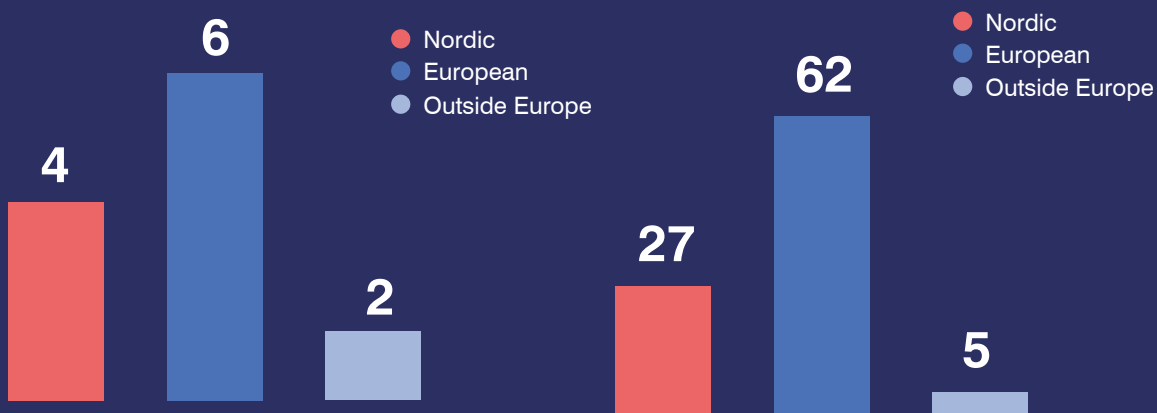
9

Accepted
in 2021

43%

Include spin-off applications have
an acceptance rate of 43%

Number of international institutions
included in applications:



Number of international
partners institutions included
in applications, 2021

12

in 2021

Total number of international
partners institutions included
in applications, 2020 - 2021

94

Total

CO₂ emissions

Registered CO₂ emissions from Include travel activity:

1750 kg CO₂

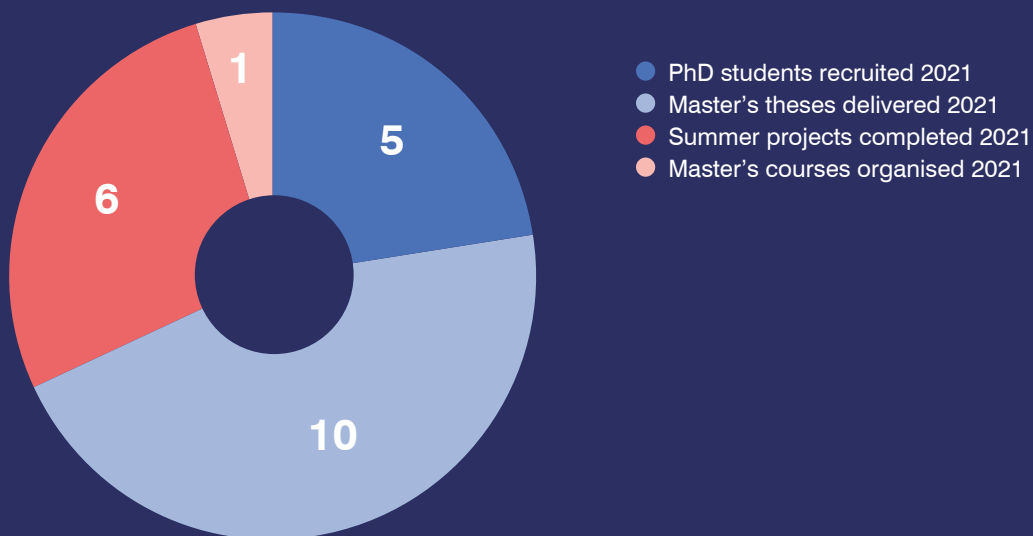
Registered CO₂ emissions saved by choosing climate-friendly transportation:

2423 kg CO₂

Caused emissions compared to choosing non-climate-friendly transportation:

42%

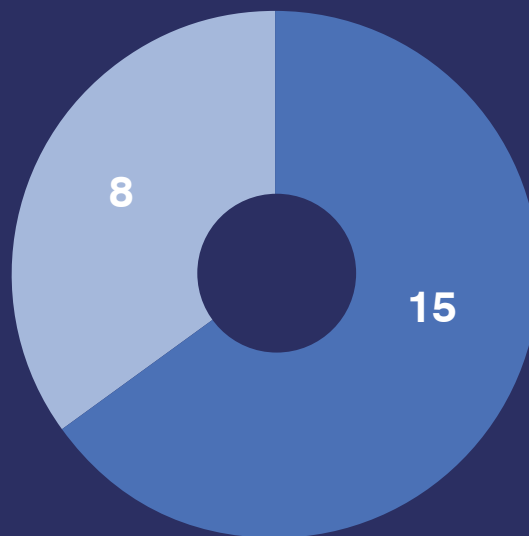
Research training and education



Communication

Academic publications
(peer reviewed articles and book chapters)

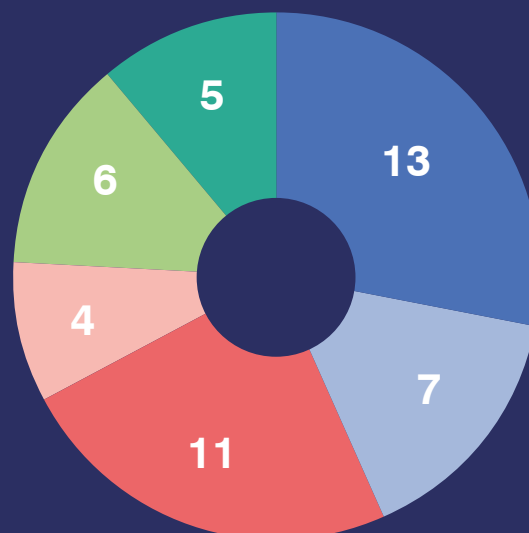
23 **42**
in 2021 Total



● Peer reviewed articles 2021
● Book chapters 2021

Media contributions

47 **94**
in 2021 Total



● Newspaper 2021
● Magazine 2021
● Blog 2021
● Radio 2021
● Podcast 2021
● TV 2021

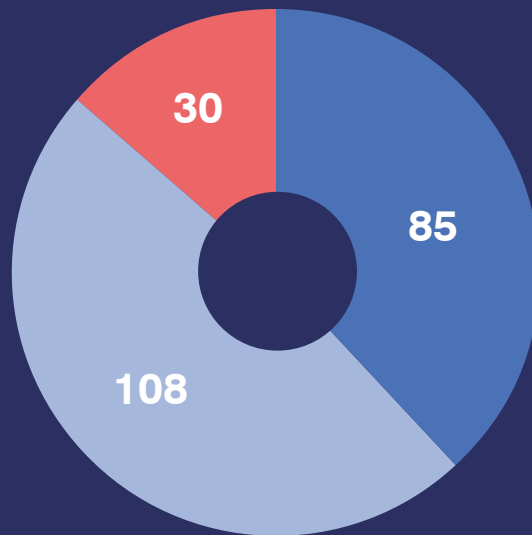
Presentations (by target audience)

193

in 2021

311

Total



- To academic audiences 2021
- To partners and stakeholders 2021
- To international audiences 2021

Online outreach

20 200

Website views in 2021

50 700

Total website views

434

Newsletter recipients 2021

426

Followers on Facebook 2021

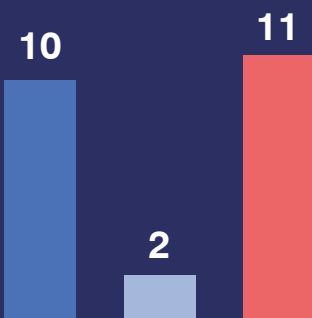
201

Followers on Twitter 2021

90

Participants at the Include Annual Conference 2021

Meetings, events and workshops 2021



- Include events open for external participation 2021
- Internal meetings and workshops for the entire project group 2021
- Management group meetings 2021





04

**Include's
environmental
strategy**

Include's environmental strategy

Environmental ambitions in Include's own operations

Our board adopted Includes environmental strategy in June 2020. The strategy provides guidelines for participating research institutions and for those who provide services to the FME Centre so that activities can be carried out in the most environmentally friendly way possible. 'Environmentally friendly' refers to reduction of greenhouse gases, measures to reduce local environmental impacts, reduced extraction of natural resources, and biodiversity measures. The objectives are:

- To ensure that the centre motivates and adopts the best possible environmental solutions.
- To raise awareness of environmentally friendly practices among participants in Include, their institutions and the general public.

The environmental strategy has guidelines for travel, food service and other centre-related activities. Include should try to avoid travel where possible. It should be possible to participate digitally in meetings organised

by Include. If travel is necessary, avoid flying where possible and, specifically, within northern Europe, including Norway. Land-based travel should be chosen if there are no special reasons for travelling by air. When travelling, a separate form developed by Include must be completed to register the travel carbon footprint (including CO₂ saved compared with air travel). The model for calculation includes both direct and indirect emissions. When food is served by Include, a sustainable menu must be chosen that is local/seasonal and includes vegetarian, vegan and organic options. Food waste should be avoided. We aim to ask suppliers to document carbon footprints for different menus and to choose menus with the smallest carbon footprint and environmental impact. If documentation is difficult to present, we will choose vegetarian/vegan options. Generally, if possible, researchers and administrative personnel will find the most environmentally friendly ways to carry out all centre-related activities using as few resources as possible (for example, avoid printing documents, deleting old emails, etc.).



Illustration photo: colourbox.com

Work on the environmental strategy

Our travel strategy has been met with interest from other parties and has been shared with them, including RCN and SUM/UiO. In 2021, we have been encouraging our researchers to report their travel activities. Although many now submit environmental travel forms, more work is needed to draw attention to our internal travel strategy. We have faced some challenges with food ordering systems, for example at UiO. We have set requirements in accordance with the environmental strategy (for example, for vegetarian, organic food), but so far no suppliers within the UiO system satisfy these requirements. We have therefore chosen to order food from suitable suppliers outside the ordering system. We justify this practice each time we request reimbursement for expenses in order to raise awareness of the need for climate- and environmentally friendly food within our own institution.

Results from travel registration 2021

Since Include's travel registration form was created in 2020, we have received 16 registrations of Include-related travel in 2020 and 2021. The COVID-19 pandemic severely limited travel during these two years, and many meetings, conferences, etc. have been conducted digitally. It is therefore expected that travel activity during this period is lower than it would be in a normal year. Researchers have been encouraged to record all journeys they make as part of Include-related activities, with the exception of daily travel to and from work. Nevertheless, it is uncertain whether all actual journeys have been registered, and we currently have no way of monitoring this.

All trips registered in 2020 and 2021 were carried out within Norway. Of the 16 journeys registered, five were undertaken by train, five by car, three by a combination of train and bus, one by a combination of train and car, one by plane, one by a combination of plane, train and bus, and one by a combination of train, bus and car.



Photo: Include.

Tanja Winther and Øyvind Sundet travelling by train and bus to meet Include colleagues in Tromsø, September 2021.

The respondents were asked to justify a) why it was necessary to travel and b) why they chose the relevant means of transport.

These responses were typical with respect to the reasons why it was necessary to travel:

- Physical meeting with partners was important to enable discussions/effective cooperation (eight responses)
- Physical presence during fieldwork was important in order to get an impression of the local context/develop good dialogue with interviewees and observe their physical environment (five responses)
- Participation in an event that took place physically (three responses)

The reasons for the chosen means of transport were more varied, but it is worth mentioning that both of the registered flights were between Oslo and Tromsø, a distance that takes a very long time by train and bus (more than 24 hours each way), and both of these respondents mentioned family/children as their reasons for choosing air travel.

Estimated total CO₂ emissions from the 16 registered journeys amount to 1,750 kg. This includes direct and indirect emissions. Respondents who did not travel by air were asked to calculate how much CO₂ they saved by choosing a more climate-friendly means of travel (a calculator was provided, which includes direct and indirect emissions). On those trips where it would have been possible to choose air travel, a total of 2423 kg of CO₂ was saved by choosing modes of travel other than air. Put another way, *the 16 journeys included in this material represent 42% of the CO₂ emissions that would otherwise be the case if our respondents had used air travel.* The two respondents travelling by air could have saved a total of 622 kg of CO₂ by choosing an alternative mode of travel.

Respondents who did not travel by air were asked to calculate the additional cost of choosing a more climate-friendly mode of travel. Not everyone answered this question, but the majority of those who did estimated relatively high extra costs of between NOK 500 and NOK 5,000 per trip.





05

Research 2021

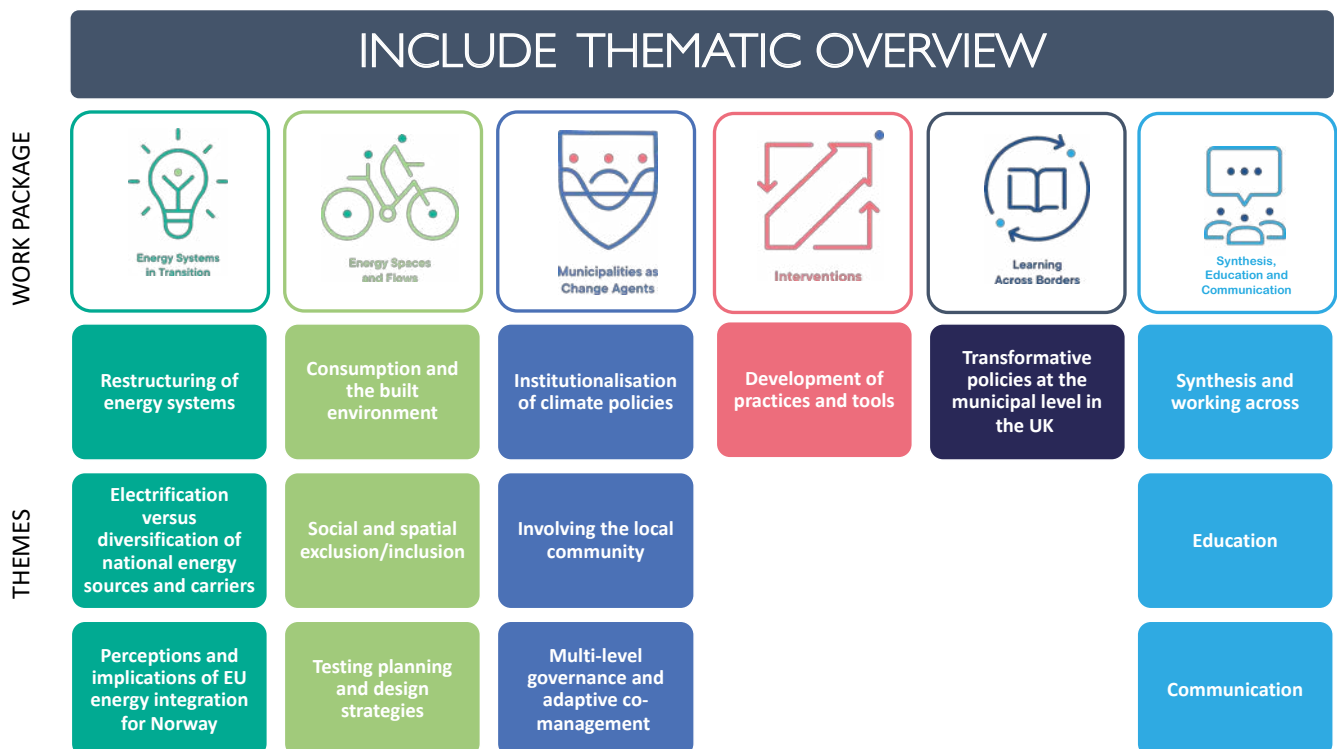
Research 2021

Research is under way

In 2021, most of the projects that were defined and developed in collaboration with our partners in 2020 were under way. At the end of 2021, we had more than 40 projects of different types and durations: large multi-year collaborative projects (researchers across institutions), research projects of shorter duration and PhD projects. Our partners participate in the project groups established for most of these projects. Figure 5.1 shows our partners' participation in Include projects.

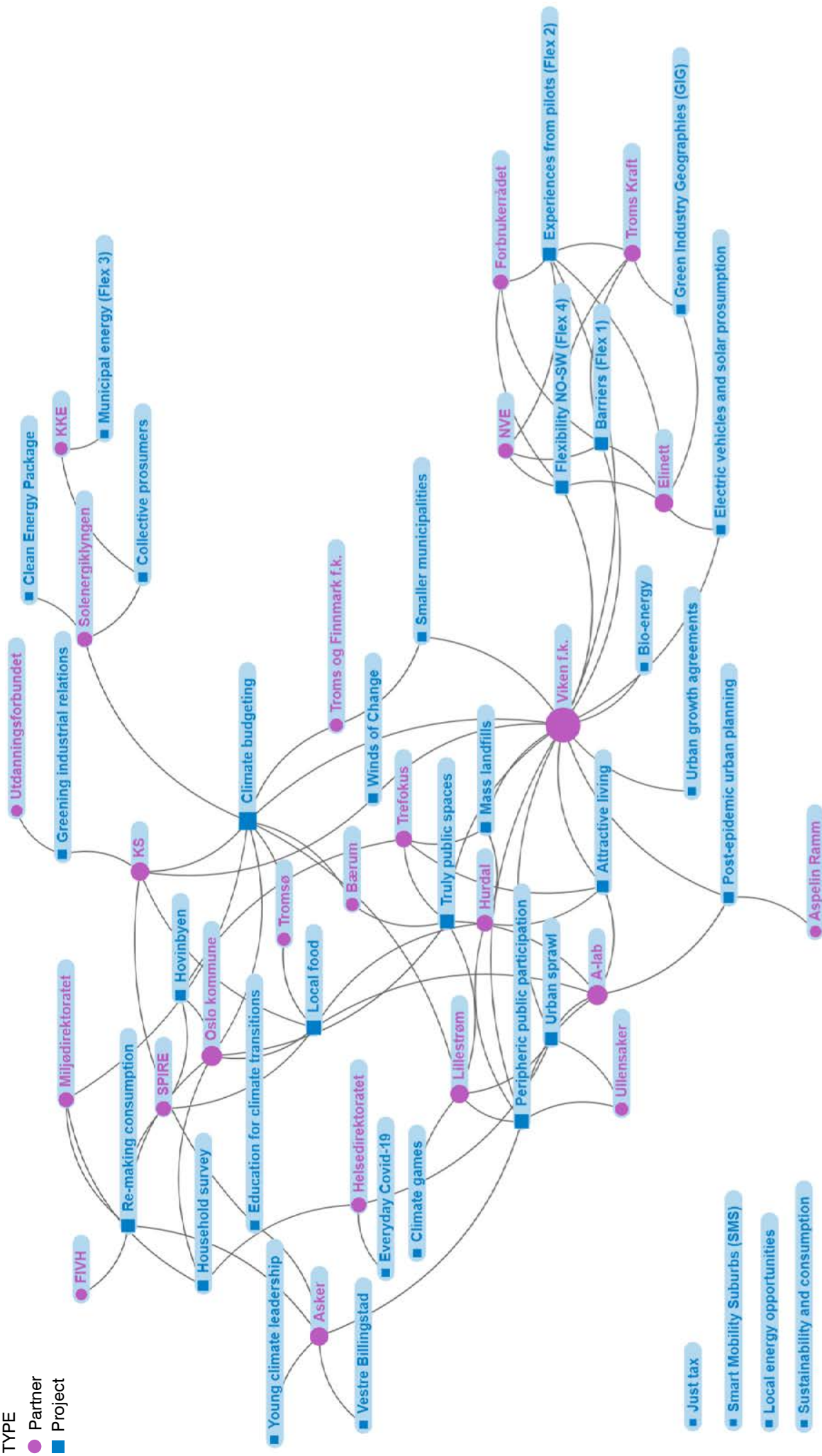
The projects are mainly divided into the three main work packages WP1, WP2 and WP3. In addition, we have defined and initiated projects in WP4 and WP5. The themes identified within each work package are shown in Figure 5.2. For a full overview of the project portfolio, see Appendix A.

All work packages (WP) have partially overlapping themes. WP1-WP3 will all relate to the interventions to be carried out in WP4. Urban development from a restructuring perspective, which is a central theme in WP2, relates to the municipal decision-making level and is thus also relevant for WP3 and WP5. Municipalities implement energy investments and energy-saving measures, and an interaction between WPs 1, 3 and 5 is thus relevant. Moreover, several of the projects are collaborations between researchers in several work packages. Our PhD candidates also gather regularly and contribute to interdisciplinary discussions and collaboration.



TYPE

- Partner
- Project



Highlight 1



Research on the failure to safeguard Sami rights in energy transitions

In her PhD project, Susanne Normann documents the experiences of the Sami reindeer owners living on the Fosen Peninsula in the face of wind power development. She also draws a line to the extraction of raw materials (bauxite) in Brazil, where indigenous peoples are adversely affected by this industry. The results show global links between extraction and electricity production. Normann emphasises the necessity of taking the experiences and knowledge systems of different groups seriously. The wind power conflict at Fosen ended with a ruling in the Supreme Court in favour of the Sami reindeer herders.



Photo: Stian Hansen / flickr

Glimpses from projects

Flexeffect: households' views of a new grid tariff model for electricity

We are conducting a qualitative study of household responses to and views on the planned changes in grid tariff for electricity planned for introduction in 2022. The purpose of the new grid tariff model is to motivate consumers to use less electricity at times of the day/year when the grid is most stressed. In 2021, the researchers interviewed around 20 people in their homes, distributed evenly in Tromsø and Porsgrunn. The sample covers different types of dwellings (detached houses, apartments) and in some cases different socioeconomic groups. The preliminary analyses show that the households surveyed have relatively limited potential to reschedule and/or reduce their electricity use in everyday life. The exception is the charging of electric cars, which with a suitable charging solution can be carried out at night. The issue of fairness was discussed in depth. Most people find that the new grid tariff can have a positive distribution effect (larger consumers pay a higher monthly fixed rate), but that it can have an adverse impact on people in poorly insulated houses and families experiencing a time squeeze, and that there is a risk that electric car owners 'again will be the ones to profit' at the expense of others. In general, those interviewed requested that clear information be provided about:

- what the new grid tariff entails, including calculation examples, and
- the reference for calculating the monthly 'fixed rate' (which may vary based on the maximum measured power output in the previous period). In particular, information is requested about which hour of the day and which day of the week in the previous period formed the basis for the fixed rate.



The Norwegian Consumer Council has energy on the agenda, and we see an increasing need to get engaged in questions of energy and social inclusion. Our participation in Include helps us to lay the ground work for this, and gives us valuable insights.

Andreas Strandskog, Norwegian Consumer Council

Several informants emphasised that both types of information should be obtained via electronic media (website, electronic invoice, text message) and, for groups with no access to such media (typically older people) in printed form.

Truly public urban spaces

This project examines the use of public spaces and opportunities for developing socially inclusive spaces. We focus on densification and compact urban development, which is the dominant sustainability strategy in urban planning, especially with regard to reducing energy use for transport and transport-generated emissions. This type of urban development is often characterised by conflicts of interest and by the fact that many different considerations must be addressed. Creating good common spaces that are also socially inclusive can be demanding.

This is a long-term project, but we have some preliminary results from a survey of how actors in urban development understand the concept of 'urban floors' and how this affects the work of designing attractive and inclusive urban spaces. The term 'city floor' is increasingly used to describe both outdoor common spaces and the ground floors of buildings, as well as the transition zones. These spaces and transition zones are important for the experience of urban spaces by different population groups and for whether urban spaces are, and are perceived as, socially inclusive. Strong economic interests are often attached to the city floor, which can be bought by private actors and which can have an impact on what the city floor is used for and whether it becomes socially inclusive.

Our survey shows that the term 'city floor' (in Norwegian: *bygulv*) is generally not clearly defined or delimited,

Highlight 2



Recruitment of five new PhD students

The following five PhD projects were started in 2021: Johannes Rudfjord Volden (SUM/ISS, UiO): In the face of the 'Anthropocene' age: Barriers and opportunities for alternative proteins in Norway; Ingrid Christensen (CICERO): Municipalities' work on circular economy; Eivind Hjort Matthiasen (FNI/ISS, UiO): Understanding of consumers' capacity to change behaviour to sustainable energy practices; Kirsten Hegsvold (TØI): Multilevel governance through urban growth agreements and Iris Leikanger (SUM/SAI, UiO): Co-creation of local sustainability? Norwegian municipalities suspended in webs of climate collaboration. We already have Oskar Vågerö's PhD project on energy modelling and social factors (MatNat, UiO).

but that it may include the character and design of the streets and squares, the content of adjacent first floors and commercial or non-commercial services. In addition, emphasis is placed on the fact that the city floor has an important social function in how city life plays out on the street level and how the city is experienced by the individual. In the city floor plan for Bispevika in Oslo, for example, concepts such as openness, accessibility and democratic character are used to describe the purpose



Include's work developing new knowledge on just transformation can create opportunities for a better and faster transformation to a low-emission society. Include places just transformation on the agenda in a holistic and research-based way. It is especially important for us to learn more about the role municipalities can play in transitions.

Norwegian Environment Agency

of the city floor. Preliminary findings confirm that the social aspects are important for planning authorities, designers and property developers alike. At the same time, it is clear that the design and use of the city floor is subject to intense negotiations and conflicts between different (and often economically strong) interests. The negotiations are about:

- Ownership (who will have legal ownership, which will have an impact on how social inclusion and exclusion are practised).
- The design (how should different groups be facilitated and to what extent are certain groups kept out).
- Operation (how to maintain the common spaces so that they meet the intentions).

The city floor often consists partly of public and partly of private areas, as well as transition zones where property developers and tenants want to avoid certain types of activities and social groups. In our further work on this study, we will focus on specific urban development projects and how the common spaces are experienced by users and people who live, work, frequent and travel in the city. If strong commercial interests are linked to the city floor, and commercial companies own, design and manage the city floor as a business model, then privatisation may mean that these common spaces do not function as truly public urban spaces. The design of the urban space may include certain social groups and keep others out (for example, people who cannot or do not want to pay for the use of a café table), but inclusion and exclusion processes can also be more subtle and give people the feeling of belonging ('in place'), or of not belonging ('out of place'). The survey shows that it is very important to have detailed empirical knowledge of these processes of change, informed by international research and a conceptual apparatus. The survey also shows the importance of interdisciplinary collaboration

to manage the relationship between architecture and physical design on the one hand and social processes and fairness on the other.

Local initiatives for sustainable consumption

This project examines how local initiatives for sustainable consumption are understood and used by residents, the role of the municipality in facilitating them, as well as any social, economic and institutional barriers to expansion. Through qualitative interviews with households and various municipal, commercial and non-profit actors, we want to explain when and how initiatives for more sustainable consumption can contribute positively to more sustainable consumption patterns, as well as what challenges they encounter in this context.

Asker municipality is one of our areas of study. Asker is currently carrying out considerable work to get goods from the recycling stations in the municipality back into circulation through a reuse store, repurposing warehouse, creative workshop, repair café, building materials outlet and the BUA concept. In addition, used books go into book cabinets scattered around the municipality, as well as to kindergartens, schools, health centres and after-school-programmes. Through these initiatives, the municipality combines environmental focus with various forms of work measures and volunteering. The various initiatives appear to be important learning arenas for sustainable consumption, where participants are confronted with their own and others' waste in a very concrete way. Consumers express disbelief at the amount of new, high-quality and expensive items sold or used, and those who work with waste daily learn to see the value in it. The social component is important for those who participate by contributing to job training and social inclusion. Despite the breadth of the service and the learning potential, each service still reaches only a small proportion of consumers in the municipality.



Barriers on the operating side can mainly be linked to three aspects: organisation and economy, resources, and communication. The established organisational models are vulnerable to expansion by relying on enthusiasts and volunteers. The support they receive does not match the activities they already have, and the time many people involved actually spend far exceeds their job description. Funding is also often provided for short periods of time, which provides little predictability and an unsustainable organisational model. It is demanding to balance the social components and the operation of reuse. Several of those who work on this see that if they are to engage in the social elements, it means that other parts of the operation cannot require too much. Extensions can also come at the expense of follow-up of those who are in job training. In addition, making items reusable requires large areas and many manual processes. Existing premises are too small to possibly

expand course offerings, storage space is too small to take in more items, or there are not enough people to expand services that consumers demand. When it comes to communication, it is perceived as difficult to become visible in the jungle of advertising and marketing, and reused items compete with simpler, more accessible items that consumers already know.

The barriers on the consumer side are largely linked to existing consumption culture, everyday routines, and various social and economic barriers. By consumption culture we refer to how everyday life and consumption today are structured. The local initiatives require a completely different way of making purchases and consumption, and the barriers between trading used items and trading new items are not sufficiently removed. For example, participating in a repair café requires knowing that it exists, planning its use, and investing time in learning

while you are there. This is in stark contrast to buying an item on the way to or from work, or having a service performed in a store format. The initiatives thus challenge established everyday routines. In addition, various forms of social and economic barriers come into play. More consumers seem to define themselves out of the initiatives, as they perceive them to target people other than themselves or more as social or health measures or for people with little money. Furthermore, we see that there still exists a perception that used goods and other people's waste are unattractive or even disgusting. In some cases, the initiatives also fall between two chairs. On the one hand, people are sceptical about free offers, while on the other hand there is a certain expectation that the use should be cheap.

In sum, these findings show how demanding it is to engage in reuse today, even with the municipality as a driving force. The amount of waste coming in is much larger than what is going back into the circle because the existing system is not geared up for the circular economy.

This applies both to the limited resources available to expand the offer and to the finding that the appealing characteristics of these initiatives lie precisely in the fact that they are small-scale, intimate and have strong social components.

Furthermore, the project will follow Asker municipality's efforts to scale up the reuse initiative in a commercially run reuse centre and a digital platform that will make it easier for residents to find reuse services. Asker municipality wishes to bring the social components related to volunteering and job training into a collaborative format with commercial actors. The hope is that the centre will to a greater extent meet consumer needs in order to make reuse a part of everyday life. The research project will follow the process of establishing the centre to understand what is won and lost in such a process, and whether this specific scaled-up initiative can facilitate social sustainability and at the same time contribute to promoting more sustainable consumption patterns in Asker municipality.

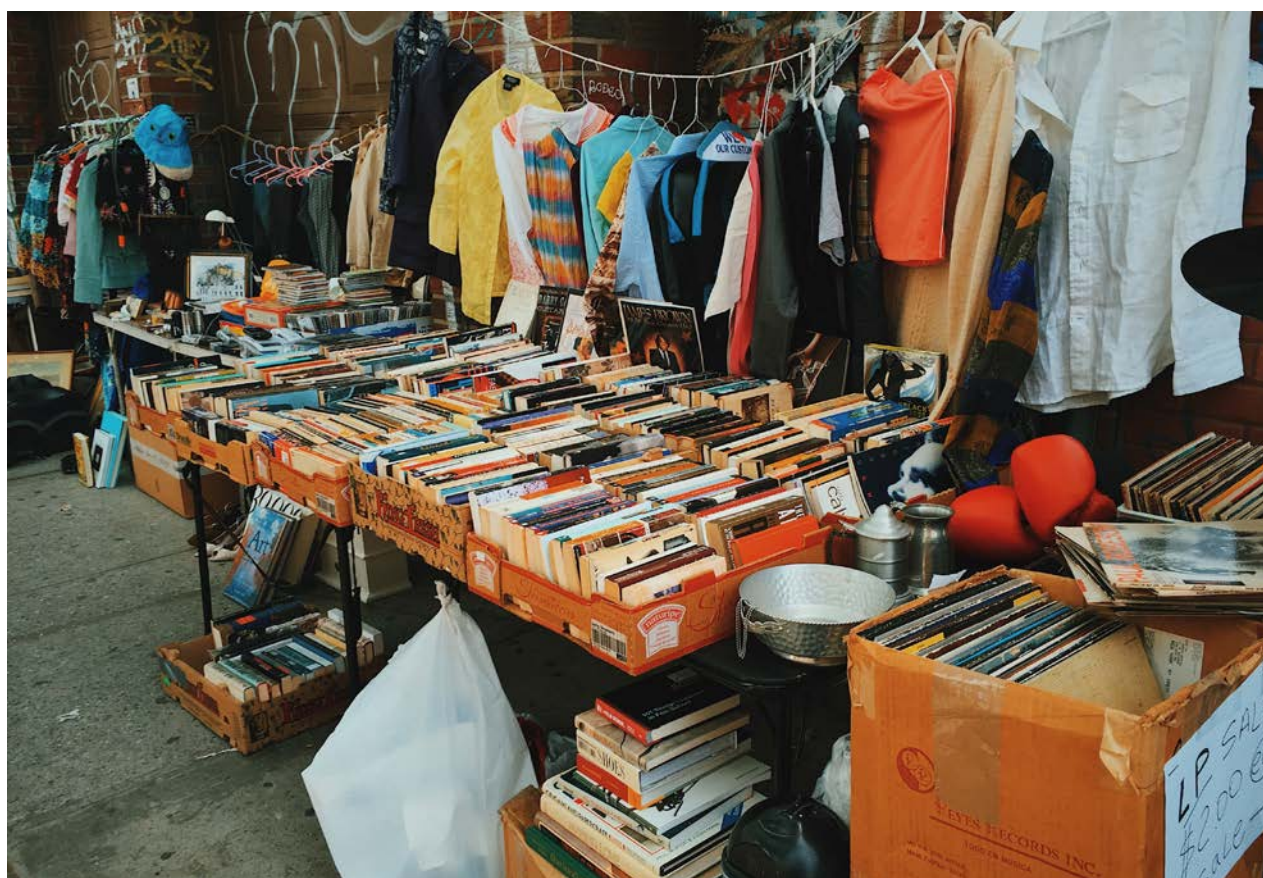


Photo by Jon Tyson on Unsplash

Landfills

We have carried out a pilot project on mass landfills with a mapping of how mass management, takes place in connection with development and infrastructure projects in Oslo and Viken. The background for this is that the extraction, transport and storage of masses such as gravel, sand and soil is an increasing environmental and energy problem in connection with, for example, the development of climate-friendly areas in cities. The establishment of mass landfills also threatens what is left of relatively untouched natural spaces in urban areas. It is estimated (by SINTEF) that 20% of all truck transport in Norway is related to the transport of masses for the construction industry. The establishment of mass landfills can also affect urban natural areas. The question asked in the project is which practices characterise mass management in Oslo and Viken in terms of the extraction of masses, transport and disposal.

The pilot project points out that mass management, mass landfills and associated environmental problems receive little attention in public discourse. Many people who work with mass management in private and public enterprises acknowledge the problems and rely on a lot of experience-based knowledge about the problems and their causes, but this knowledge has not been analysed. In Norway, public statistics are kept on contaminated masses, but not in the case of non-contaminated masses. A high proportion of the masses deposited are not contaminated, which means that it can be used in construction activities instead of being deposited, but for various reasons this happens only to a small extent. An important reason is lack of planning and coordination. Viken County Council points out that early planning is crucial for more environmentally and energy-friendly mass management, and that project owners and developers should together create a mass management plan that emphasises using and reusing local masses and minimising the use of new masses and the disposal of older masses. The extent to which this early planning is carried out is uncertain. Interviews conducted in the pilot project reveal that it is often the case that neither project owners nor developers address the issues of mass management, but rather engage machine contractors to find a suitable landfill and drive the masses there. There is currently a shortage of mass landfills near Oslo. Larger landfills, such as at Vormsund in Nes municipality, are filling up faster than expected. Many landowners want permission to build mass landfills, but the municipality

is restrictive in granting such permits due to the environmental consequences, such as the risk of mudslides, degradation of natural areas or noise problems for residents. The City of Oslo has no mass landfill itself, but has in practice invested in ensuring that surrounding municipalities can receive the city's masses.

An initiative has been taken to achieve more sustainable mass management, including the establishment of a 'mass hub' in Hovinbyen (which is Oslo's largest urban development project), and some entrepreneurs want to offer reuse and recycling of masses. A common problem for these initiatives, however, is that they require access to areas centrally located in the region (in this case Oslo). Such a plant will need to be of a certain size and will have negative consequences for the neighbourhood in terms of noise and dust. Another problem is the high land prices in Oslo, which means that the establishment of such a facility will result in very high costs for land acquisition and thus reduce profitability. The pilot project shows that there are alternatives to current practice, but that a lack of coordination, current regulations and economic interests make it difficult to achieve a change in course.



Photo: Bjørnar Seather

Partner involvement and partner-led projects

Highlight 3



Partner-led activities

In 2021, Include user partners have contributed 26 presentations and three publications/media contributions.

Many of our partners conduct activities that overlap with Include's focus areas, and give talks that are related to Include. For example, Kjetil Bjørklund from the Norwegian Association of Local and Regional Authorities (KS) has given presentations on climate leadership at county-level gatherings arranged by the Norwegian Environment Agency. The Norwegian Environment Agency has arranged webinars, podcasts and its own lectures on relevant topics. The Norwegian Environment Agency also arranged a workshop for municipalities on the topic of climate-friendly social development in which 50 municipalities participated. In 2021 we defined a new type of project in Include: partner-led projects. These are projects which our partners have taken the initiative to, launch and lead, and in which researchers are included. Some examples of these types of projects in Include from 2021 are presented below.

Pilot project on transformation competence

Asker municipality, one of our partners, has led a project dealing with transition competence targeting the municipal sector, in collaboration with Insam, an Include partner, the University of Oslo and others. The purpose is to develop competence training for municipalities with a view to strengthening their efforts in achieving transformation to a sustainable local community. The project has been designed to establish a framework for a competence-building programme in the field. The competence-building programme aims to: i) provide insight into the challenges; ii) lay the foundation for institutionalising transition efforts; iii) ensure the legitimacy of the work; and iv) contribute towards further developing national parameters and policy instruments in this area. These four aims form the basis for the proposed competence goals. We will use the knowledge gained from this pilot project to develop a continuing education programme at UiO IPED and SUM tailored to the municipalities.



Illustration photo: colourbox.com

Project on just transformation and local community development

Kristiansand municipality has engaged Include partners to work in a project on just transformation and local community development. Kristiansand municipality is part of the Local Quality network organised by KS, and this network is also part of Include. The project provides a framework for the development of fair and climate-friendly local communities where activities that cause emissions or environmental damage are reduced in a fair way. Just transformation for local communities place emphasis on issues such as co-creation processes, sharing schemes/shared use and accessible services for everyone. The report gives examples of what these can entail for specific community centres in the municipality.



[Our participation in Include] has led to more focus on attitudes and practices in the population, on just transformation, which is also reflected in our upcoming strategy and in our projects.

Siv Elin Ånestad, Future in our Hands

Vestre Billingstad: participatory design of mobility solutions

A new residential area in Vestre Billingstad in Asker municipality is under development. The goal that was set in the area plan is that the area should be developed into an attractive and thriving urban environment with good outdoor spaces. In collaboration with researchers in Include, Asker municipality has set up a pilot project aimed at developing Vestre Billingstad into a social, inclusive and environmentally friendly residential area. Both necessary collaborative processes and solutions are being addressed. Three main areas for further work have emerged: 1) plan, process, interaction and involvement (collaboration between municipality and inhabitants), the planning process itself, who is involved, and the participation aspect). 2) sustainable solutions for mobility and consumption, and 3) social inclusion in change processes and in development of such an area. The pilot project is based on workshops, document studies and dialogue.

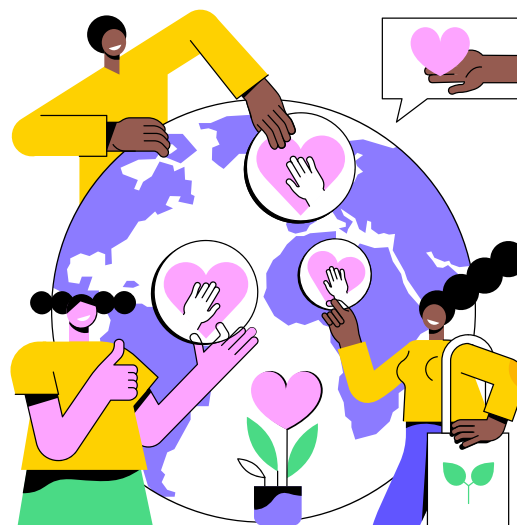


Illustration photo: colourbox.com

Synthesis, collaboration across work packages, and innovations

Work across work packages in Include: a basis for synthesis

All the work packages in Include have partly overlapping themes, and we strive to collaborate across work packages so as to exploit synergies and create a good basis for synthesising Include's activities. Moreover, several of the projects are carried out collaboratively between researchers in other work packages. Our PhD candidates also meet regularly and contribute to cross-disciplinary discussions and collaboration (see Researcher training and recruitment).

Work on innovations

Following dialogue with FME NTRANS, we have chosen to build on the work they did during the previous FME CenSES on developing an expanded definition of the concept of innovation that is adapted to social scientific research. Innovation is defined here as new or improved solutions or knowledge which can be used either at micro level (for a unit or individual) or at macro level (which demands changes across multiple stakeholders, often between the private and public sectors, civil society and the population). In addition, this knowledge can provide direct proposals for concrete changes or indirect background understanding that creates opportunities for change. This definition allows scope to capture what more often are indirect and/or systematic innovations that can arise from social scientific research.

In Include we work closely with our partners, other decision-makers and societal actors to ensure that results from our research centre lead to innovation. Several of our partners lead their own partner-led projects as part of Include's project portfolio in which they draw on knowledge from Include to establish new internal processes or measures. In 2021 we have established two new mechanisms to stimulate innovation based on our work. We have launched a new series of publications entitled Results and Recommendations that gives brief presentations of the results of Include's research. We have also established Partner Forum, where Include's partners and researchers are invited to discuss specific problems the partners encounter in their work. Read more about these in chapter 8.



Illustration photo: colourbox.com

Traces of Include

This year, too, we see traces of Include in the work done by our partners and others. From the self-assessment survey conducted among our partners we also see that they perceive Include to be relevant to their organisations and focus areas, and several emphasise that they view Include's research topics to be important for their own organisation and for society. Several of them underline how Include has contributed knowledge that is relevant to their organisations, and how Include has contributed with insight and professional expertise to face the challenges they meet in their climate and environmental activities. One mentions having gained a better understanding of underlying social processes for implementing measures, and some mention how Include has helped them expand their networks in the field. One partner highlights how Include has contributed to the launching of new types of projects as well as to new project collaboration. Some examples of the significance Include has for partners and other actors are presented below.

Guidance on social sustainability

Per Gunnar Røe has supervised architects and property developers on how social sustainability considerations can be drawn into urban and regional development. Røe has helped make social sustainability part of the quality criteria for flagship projects, such as the work carried out by FutureBuilt.



Include has contributed more knowledge, good arguments and professional support for activities in the municipality.

Øyvind Wahl, Lillestrøm Municipality

Development of the Norwegian Trekking Association's cabins

The Norwegian Trekking Association (DNT) and its cabins can promote sustainable outdoor recreational activities through sharing cabins and promoting the simple life in nature. In 2021 researchers in Include published an article on DNT's cabin rental system and conditions for its future existence given the emergence of new recreational practices. DNT takes these results into account when developing its cabin rental and booking system in a more sustainable direction.



Photo: Wikimedia Commons



Photo: The Municipality of Tromsø / flickr

Tromsø town hall.

Include's perspectives on transformation important to Tromsø municipality

Through its participation in Include, Tromsø municipality has gained a better understanding of the complexity of climate transformation. This has influenced the work on the municipality's climate budget and will be important for the work on the next climate, environment and energy plan. Include's perspectives have also influenced recruitment work through the requirements and expectations set for new employees.

Rural municipalities' opportunities for achieving the climate transition

Include-researchers were asked by the Ministry of Local Government and Regional Development to assess rural municipalities' opportunities for and barriers to achieving the climate transition. The project makes recommendations on how the government system of policy instruments can be set up so that rural municipalities have opportunities and can contribute to the climate transformation, and may be used by the ministry in its work on formulating regional climate and environmental policies.

Green industrial relations and dialogue with the trade federations

Green industrial relations is a new and relatively unexplored topic among users. Over the past year we have therefore focused on reflective dialogue with selected actors to explore the potential to integrate the climate perspective into the municipal labour market. The Include team has had particularly close collaboration with Union of Education Norway and NITO. Plans for future dialogue and more structured collaboration are under development. It is difficult to measure the effect of efforts like these, but the following comment from Tanya Pedersen Nymo, a senior advisor in Union of Education Norway, can give some idea of the importance of this work:

'Since 2020 Union of Education Norway has collaborated and held several meetings with David Jordhus-Lier. Among other things, Jordhus-Lier has given lectures in several seminars/courses on the subject of green industrial relations. It has been interesting to have Jordhus-Lier and Ingrid Andrea Rabben Holland, a master's student, as sparring partners during the work on deciding how we as a trade union should address the problems associated with the green shift. So far we have derived great benefit from this partnership.'



New approach to municipal climate activities

Researchers in Include have on several occasions given talks and taken part in seminars dealing with the municipalities' climate transformation efforts. Many municipalities state that the introduction to how they can work on climate transformation that was presented by the researchers has proved useful. This is illustrated by the following feedback from Skien municipality:

From focus on percentages and cuts to focus on transition and transformation

The presentation you gave us helped us to shift our focus from percentage cuts and concrete measures to societal change and transformation. We barely touched on how this transition, or transformation, should happen, but it was nevertheless liberating to be able to shift our focus from concrete measures and Excel spreadsheets to overall social development. We want to bring this focus into the municipality's general plans and climate activities. We will not of course lose sight of the concrete and measurable climate measures we hope will help us become a low-carbon society, but our focus will no longer be on that alone.

Focus on what we accomplish

In your presentation you were also clear about the importance of celebrating what we manage to accomplish. Each small step in the right direction is important. Although you made it clear that you did not seriously believe we would manage to cut 60 per cent by 2030, you encouraged us to work towards achieving whatever we were capable of. That helped us to look forward, be optimistic and not just focus on 'the impossible'.

Institutionalisation

Your suggestion that we focus on the need for climate work to be institutionalised and anchored in the management as well as in the organisation was very important to us. Only by achieving that can we achieve the transition and the transformation we need.'



Skien.





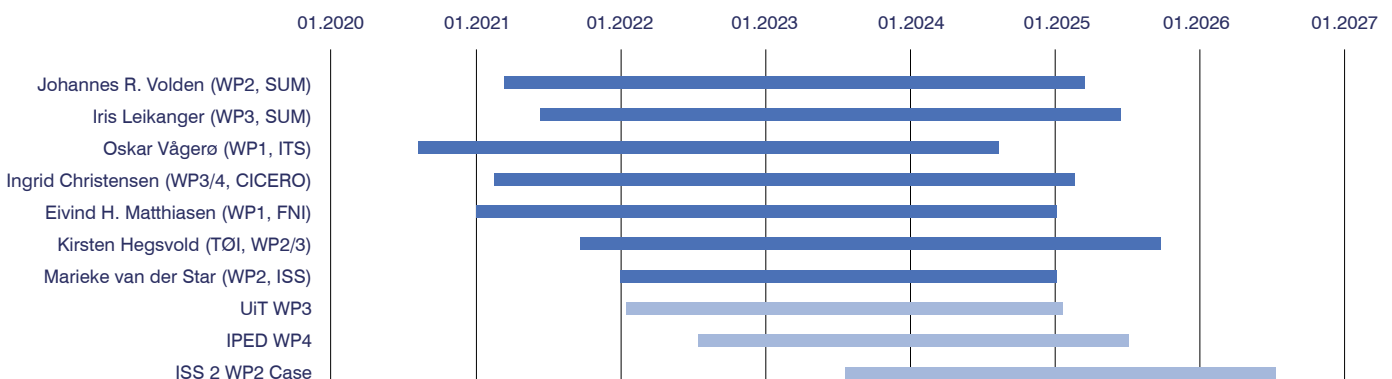
06

**Research training
and education**

PhD candidates and a postdoc

In 2021 Include recruited five PhD candidates, and the centre now has six PhD candidates assigned to the work packages: two in WP1, one in WP2 and three in WP3. The disciplines covered in the PhD projects are technology systems, sociology, human geography, political science and social anthropology. To facilitate professional collaboration, experience exchange and social gatherings for the PhD candidates, Include has established a PhD group led by Oskar Vågerø at ITS, University of Oslo. Ulrikke Wethal, who holds the postdoc position in Include, is currently acting as project manager and participates in a number of other projects.

An overview of PhD projects in Include and their time scales





Kirsten Hegsvold

Title of project: Urban contractual agreements:
A contribution to just transition to a low-carbon society?
Affiliation: TØI

The topic for the PhD degree is the study of urban growth agreements scheme, first and foremost policy processes and the role of experts and expert knowledge in developing local climate policy. The focus is on the level of coordination between actors in the network, how political processes are influenced by expert knowledge and whether there might be coalitions with different goals and interests and how these influence just transformation to a low-carbon society. The four big urban areas in Norway have signed urban growth agreements with the Norwegian state. The aim for the urban growth agreements is a zero-growth goals for passenger car transport. The increased need for transport will be met by public transport, cycling and walking. The PhD examines to what extent *procedural justice and distributional justice* might, if taken as the point of departure, change the legitimacy of the decisions in the urban growth agreement scheme.



Photo: Knut Opeide, Statens vegvesen / flickr



Eivind Hjort Matthiasen

Title of project: Understanding consumers' capacity to transition to sustainable energy practices: A level playing field or a pipe dream?
Affiliation: Fridtjof Nansen Institute

The project studies how different social classes in the Norwegian society are affected by changes that are happening in line with the green shift, either in the shape of new policies or in the introduction of new technological solutions. The research project aims to chart how different households use energy in their daily lives – through the use of social practice theory – to be able to say something about how differences or commonalities in everyday energy use can be understood through the theoretical framework of energy justice. The project wants to say something about the capacity that different social classes have to be energy flexible or energy efficient, by looking at how they structure their everyday lives.





Johannes Volden

Title of project: Towards a sustainable protein system? Mapping barriers and opportunities for upscaling sustainable protein consumption in Norwegian households
Affiliation: SUM, University of Oslo

The PhD project explores alternative proteins and their role in facilitating sustainable and equitable food consumption in Norwegian households. There is wide agreement that conventional meat production and consumption will have to decrease in a sustainable future. But while surveys indicate that consumers are more willing to try new alternatives to meat than before, we still do not know enough about how eating habits change in practice. Through mixed - and predominantly qualitative - methods, the project explores how unsustainable proteins in consumers' diets can be shifted to more sustainable options as part of a broader transition towards sustainable food and protein systems. The project takes particular interest in emerging alternative proteins - such as plant-based meat analogues, edible insects, and lab-grown meat - and the barriers and opportunities for these to challenge current meat consumption in a way that is socially just and environmentally friendly. By attending to how meat and meatless foods become embedded in social practices, the project seeks to infuse lofty debates on sustainable and equitable food futures with specific insight into the dynamics of current food consumption.



Meat cultured in laboratory. Illustration photo: colourbox.com



Oskar Vågerö

Title of project: Social just design of energy systems: Social acceptance and energy justice in energy systems modelling. **Affiliation:** Department of Technology Systems, University of Oslo

The project will examine how social dimensions of energy systems can be integrated into technical and economic modelling of energy and power systems to promote socially just designs of such systems. We will use social acceptance of wind power development as a case by drawing on the framework for energy justice. The work comprises three milestones:

- Examine existing energy system models and study whether and how different dimensions linked to energy justice are included in them and whether energy justice is suitable from a system perspective. Methods: literature review and interdisciplinary workshop.
- Collect data and develop a methodology and a framework for quantifying attitudes to wind power (social acceptance) in different local communities in Norway.
- Use the collected data in simulations of power and energy systems models in order to analyse the implications of including social acceptance in the design of Norway's future zero-emissions power and energy systems.



Smøla Wind Farm. Photo: Statkraft / flickr



Ingrid Christensen

Title of project: Collaborative governance in the transition to a circular economy: A study of circular initiatives in Norwegian municipalities
Affiliation: CICERO

The project will examine how municipalities can achieve transition to a circular economy through collaborative governance. The project will examine how municipalities can collaborate with business and industry to achieve greater circularity and at the same time safeguard the legitimacy of the process and democratic accountability. Through case studies, interviews, document studies and qualitative comparative analysis, the project will look at the connection between conditions in collaborative processes and the results of such collaboration. Whether and how municipalities can facilitate collaborative governance in order to achieve desirable results and process design of collaborative governance that has resulted in successful circular systems will be explored.



Iris Leikanger

Title of project: Co-producing local sustainability? Norwegian municipalities suspended in webs of climate collaboration. **Affiliation:** SUM, University of Oslo

Ambitions for participation, collaboration or co-creation become increasingly important in discussions about how the world should achieve the goal of transitioning to a low-carbon society. This is reflected in the climate plans and the social elements of the master municipal plans of many municipalities with a view to collaborate with, and to facilitate collaboration between, actors in the private sector, academia and civil society. In this context it is important to gain a better understanding of how such cross-sectoral collaboration works and how it affects social inclusion and justice in the form of dimensions of justice and inclusion in the collaborative relationships themselves, and how collaboration with different actors affects what types of dimensions of justice and inclusion are included in the municipalities' climate activities.

The goal for this project is to study how collaborative relationships between actors inside and outside municipal organisations contribute to municipalities' work on climate transition. The project focuses particularly on how roles and responsibilities are distributed among different actors in collaborative projects, and on how collaboration and co-creation affect which topics become central features in the municipalities' transition strategies.



Illustration photo: colourbox.com

Master courses and projects



Teachers – with readings on the syllabus

Day 1



Day 2



Day 3



Day 4



Day 5



Master's course: SUM4502 INCLUDE – Socially inclusive energy transition (5 ECTS)

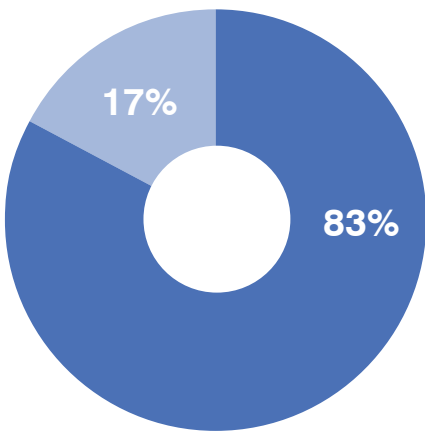
Based on the positive response received from students in 2020 who took our new course SUM4502 INCLUDE, we decided to re-run the module in 2021. The course was carried out digitally as a one-week intensive course from 19 to 23 April 2021, offering lectures by 14 Include

researchers, including one member of Include's advisory board (AB), Desmond McNeill (advisory board member Lars Coenen also intended to contribute but unfortunately was prevented from participating).

The course ended with a three-day home exam, which was passed by 12 students.

Master's course evaluation 2021

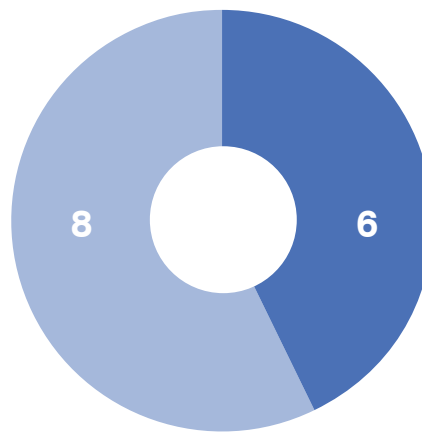
The course has helped me understand how theories and concepts on socially inclusive energy transition can be applied in empirical studies on stationary energy transition, mobility, consumption, public planning and innovation.



- To a high extent
- To some extent
- To a low extent/not at all
- Dont know

Mentimeter course assessment:

To what extent are you satisfied with the content of this course?



- Satisfied
- Very satisfied

Mentimeter: students' assessment of the course in three words

Summarise your assessment of this course in three words



Mentimeter: hopes for the future

Provide three words or concepts that express your hopes for the future



New educational programmes

In 2021 Include has launched several initiatives to develop new educational programmes, both for students and for practitioners. In one pilot project at IPED and ISS at the University of Oslo (UiO), we have begun exploring opportunities for UiO to provide new educational programmes for students in transformation competence and management. Two paths will be explored: 1) *a pedagogical innovation* based on experiences from CityStudio Oslo, where students work interdisciplinarily and case-based, full-time, for a whole semester. The students themselves must obtain information, examine, involve different actors, experiment, pilot and evaluate, and link this work to established theories and methods; 2) *a thematic innovation* that will prepare the students to realise transformation to a sustainable low-carbon society.

In parallel with this, in SUM (UiO) we will work on establishing continuing and further educational programmes for Include's partners and other relevant societal actors, on the theme of 'local climate and environmental transformation', which builds on the work in Local Quality initiated by KS. This will also form a starting point for focusing on this theme in the training programmes for elected officials, in collaboration with KS.

Master's and summer projects



Master's thesis: Covid holidays and sustainability: Exploring holiday travel experiences of Norwegians during the COVID-19 pandemic

By **Georgina Winkler**, master's student in development, environment and cultural change, University of Oslo (stipend recipient)

The tourism industry contributes significantly to climate change, mainly through greenhouse gas emissions from transportation. In order to reduce emissions, we need to travel shorter distances, travel less frequently and reduce air travel. By restricting global mobility, the COVID-19 pandemic has induced all these changes and had an unprecedented impact on the tourism industry. This thesis discusses the implications of the COVID-19 pandemic for making tourism more sustainable in the long term. It does so through exploring the holiday experiences of Norwegian travellers during the COVID-19 pandemic in the summer of 2020. Through in-depth interviews, the thesis investigates aspects of travel motivations, transportation modes and destinations in an alternative 'good life'. The study finds that most participants had positive experiences of a summer holiday involving domestic travel only and no air travel. The data suggest that the COVID-19 crisis can provide an opportunity for making holiday travel more sustainable in all the areas discussed. At the same time, the findings also indicate that participants are likely to return to their carbon-intensive holiday practices as soon as it becomes possible. To avoid this, interventions in all elements of holiday practices are necessary as well as a societal redefinition of 'the good life' and the role of holiday travel in it.



Master's thesis: Sustainable development using the urban living lab method: A qualitative case study of *Pådriv*

By **Elisbeth Hodne Urang**, master's student in human geography, University of Oslo (stipend recipient)

This master's degree investigates how *Pådriv*, an urban living lab-based initiative, can contribute to sustainable development in Hovinbyen. Hovinbyen is undergoing a transformation from a large industrial area into a climate-smart part of Oslo. *Pådriv* aims to be an arena where various actors can cooperate and develop new solutions in Hovinbyen. The public and private sectors, academia and the voluntary sector will participate in different projects related to different issues in Hovinbyen.

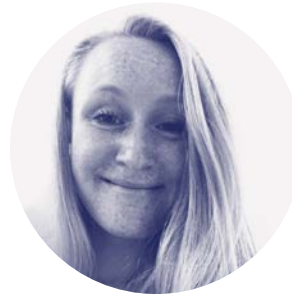
In recent years the urban living lab method has become increasingly widespread, although there is little knowledge about the consequences of using the method. By studying how *Pådriv* organises different activities in the development of Hovinbyen, the thesis finds that *Pådriv* can act as a catalyst for sustainable development in Hovinbyen by accelerating projects that correspond with the aims of the City of Oslo. Challenges found in this study concern representation among the members in *Pådriv* and its formal anchoring in the municipality.



Master's thesis: 'For they have sown the wind and they shall reap the whirlwind': The politics of Norwegian wind factories and their implications for lived experiences in Saepmi

By **Shayan Shokrgozar**, master's student in development, environment and cultural change, University of Oslo (stipend recipient)

Though it remains imperative to eliminate dependence on conventional energy sources, alternatives such as wind power have socio-ecological concerns of their own. For example, in Norway, while domestic and international forces such as the Norwegian Ministry of Petroleum and Energy and the EU advocate the expansion of wind energy infrastructures, Saami herders confront pastureland dispossession and conservationists fear 'industrialisation of the mountains'. By drawing upon fieldwork conducted in Åfjord municipality in western Norway, Shayan's thesis explores claims of land grabbing, green colonialism, and infrastructural harm brought about by the Fosen Vind project. It explores how policies for decarbonisation through 'electrifying society' interact with socioecological challenges caused by the implementation of wind energy infrastructures. By arguing that an ecomodernist and green growth approach has led to the needs of industrial capitalism taking precedence over the lives of human and more-than-human worlds, this thesis explores – following Achille Mbembe – a form of energy necropolitics which determines who may live, socioculturally, and who is let die. It concludes that when evaluated within a whole system approach, the assaults inflicted on the environment by industrial-scale lower-carbon energy infrastructures are not unlike conventional energy sources, thereby questioning whether the Fosen Vind project can claim it is producing renewable energy. These findings demonstrate the need for solutions beyond reformist frameworks such as just transition, and thus calls for decolonial degrowth pathways for building a just, equal, convivial and joyful society.



Master's thesis: Social sustainability – a niche in today's urban development?: A qualitative case study of *Vollebekk fabrikker*

By **Ingrid Eid Rindebæk**, master's student in human geography, University of Oslo (stipend recipient)

This thesis considers how current societal structures affect sustainable urban development from an innovative perspective. Do we need to deviate from standardised processes to achieve more efficient socially, environmentally and economically solutions? *Vollebekk fabrikker* (in English: Vollebekk factories) is a collaborative project between the urban sustainable development network Pådriv, OBOS, Aspelin Ramm, the district of Bjerke in Oslo, and the temporary circular economy incubator *Vollebekk fabrikker*. The interdisciplinary and cross-sectoral collaboration has helped to challenge the 'business-as-usual approach'. Through the process, it became clear that social sustainability is still an immature topic in urban development. Suitable green and social solutions are often hindered by economic motives and/or overly generalised regulations and formalities. Cross-sectoral cooperation, temporary projects and innovative models are suggested to develop site-specific bottom-up solutions that complement each other socially, economically and environmentally.



Master's thesis: COVID-19, (sustainable) mobility and happiness: A quantitative study of the Oslo Metropolitan area

By **Sindre Cottis Hoff**, master's student in development, environment and cultural change, University of Oslo (stipend recipient)

This thesis explores how mobility patterns and happiness in different sociodemographic and socioeconomic groups in the Oslo metropolitan area changed in the early stages of the COVID-19 pandemic. This was a time when lockdown was in place in Norway. The data (n=1089) are based on respondents' memories in June 2020 of circumstances in February 2020, before COVID-19 was declared a pandemic, and in March–April 2020, in the early stages of the pandemic. Changes in mobility patterns and happiness were found to vary across different sociodemographic and socioeconomic groups. Compared with men, women showed greater reductions in travel distance and frequency and in level of happiness. Moreover, the study finds that reduced travel frequency correlated with reduced levels of happiness, but that reduced travel distance did not correlate with changes in levels of happiness. The thesis relates the findings to theoretical understandings of happiness, sustainable mobility, the relationships between mobility and happiness, and transport inequality. Recommendations to policymakers are provided based on findings from the thesis. Avenues for further research are identified.



Master's thesis: The burdens and the benefits: Exploring the distribution of Oslo's quality of urban life and transportation network accessibility

By **Ryan Hamilton**, master's student in development, environment and cultural change, University of Oslo (stipend recipient)

Cities across the world are striving to become more environmentally sustainable and socially equitable. With these goals in mind, mobility is a key focus area in many cities due to its significant carbon footprint and its role in public health, satisfaction with life, and marginalisation. Due to the current transportation transformation many cities find themselves in, my thesis focuses on the relationship between transportation and social equity in the greater Oslo area. This mixed-methods project utilises geographic information systems (GIS) to quantify and map the transportation quality and accessibility of the greater Oslo area. This transportation information is then overlaid with quality-of-life indicators to quantitatively evaluate the relationship between mobility infrastructure and quality of life in Oslo's districts. Additionally, the thesis employs urban development theories to qualitatively contextualise differences between neighbourhoods, and to understand the role that urban policy has in shaping the transportation and quality of life of urban spaces. Findings from this thesis indicate that a number of districts are doubly disadvantaged, experiencing both poor quality-of-life scores and poor transportation accessibility scores. This robust framework can be valuable for policy planning and in determining where transportation interventions and social services are most needed to improve people's lives and reduce emissions.



The (dis)ableisation of environmental governance: A qualitative exploration of the ‘disabling effects’ of Oslo’s climate strategy

By Yngve Bråten, master’s student in human geography, University of Oslo

This thesis offers an important cautionary tale about the need to critically examine what constitutes ‘appropriate’ urban mitigation and adaptation responses in the face of climate change. The premise of the thesis is that cities, such as Oslo, should understand and approach climate change not only as a biophysical issue but also as an urgent social justice issue. More specifically, the thesis is a qualitative exploration of the inherently political, power-laden and emotional aspects of Oslo’s ‘green transformation’. Oslo’s ambition to become a ‘climate robust city’ is not a neutral response to the threats of climate change. On the contrary, the thesis illustrates how and why Oslo’s climate strategy (OCS) risks producing and reinforcing social difference and inequality in the everyday lives of disabled people. It does so by analysing the ‘on-the-ground’ and embodied consequences of OCS in the everyday lives of 10 people who are blind or use wheelchairs. By analysing how Oslo’s climate strategy entwines with the daily lives of disabled people, a multitude of ‘disabling barriers’ are identified within two key climate-related interventions: car-free city life and the use of public transportation. Through the production/reinforcement of disabling barriers, the thesis argues that these interventions are mediating processes of becoming ‘disabled’ by turning bodily difference into bodily disadvantage.

The thesis concludes by proposing an agenda for ‘troubling’ what is coined the (dis)ableisation of environmental governance. The agenda defines six entry points for addressing the disabling barriers produced/reinforced by OCS. The thesis therefore provides a platform for identifying and challenging the ways in which urban environmental governance produces/reinforces social inequalities in the everyday lives of disabled people. The thesis demonstrates that any urban climate change mitigation and adaptation policy that ignores and excludes the everyday lived experiences of (dis)abled people will be insufficient, unsustainable and unjust.



Cooperation between schools and actors in schools’ local communities on education in sustainable development

By Neha Singh, master’s student in education, University of Oslo

For decades, climate change and sustainable development have been a part of educational policies worldwide. The revised Norwegian national curriculum (*Fagfornyelsen 2020*) gives increased attention to sustainable development as an interdisciplinary subject.

This thesis is a qualitative exploratory case study of *Vollebekk Fabrikker* in Hovinbyen, Oslo. The study investigates factors that may contribute to cooperation between schools and actors in the schools’ local communities to promote education in sustainable development (ESD). Actors imply community members with knowledge of and engagement with sustainable development.

The findings state the importance of awareness and knowledge regarding sustainable development in schools. Learning activities in informal learning contexts are important to promote ESD, where cooperation with actors in the local communities is essential. The findings indicate that teacher competencies in ESD vary, and a solution may be to offer courses to teachers.

Lack of financial resources and time are the main obstacles to cooperation between schools and actors in the schools’ local communities. Increased motivation for and interest in cooperation, workshops and digital tools may promote greater cooperation on ESD in the future.



A whole-school approach to education for sustainable development: A case study of Future in our Hands' MatVinn project in junior high schools in Skog municipality

By **Anne Catherin Gonzales** and **Christine Hagberg**, master's students in pedagogy, University of Oslo

This thesis is a part of a larger design based research (DBR) project and builds on some of the findings from Sævarsdottir & Hovland (2020). The thesis focuses on collaboration between the non-governmental organisation Future in our Hands (FIVH) and a Norwegian municipality based on their common desire to increase students' awareness of food waste in the municipality. Through a project called *MatVinn*, the two participants created an educational programme related to the food and health subject for ninth graders. Part of the *MatVinn* project focuses on sustainability challenges and helps students see connections between the three sustainability dimensions, which have been given more focus in the Norwegian curriculum. Through education for sustainable development (ESD), students can see these connections using a pluralistic teaching tradition that promotes action competence.

Our analysis shows that the collaboration on the *MatVinn* project primarily seems to be between FIVH and the municipality's representatives. The municipality has worked closely with FIVH to adapt the educational programme to the school. Based on contradictory teaching traditions, the participants' differences have created a constructive tension in the collaboration that contributes to change and innovation and, not least, to a balanced approach in the teaching programme. A behavioural change in students appears to be the goal, and the desired behaviour is predetermined. Based on a whole-school approach to ESD, our analysis shows that the collaboration should involve the management at the schools so that the *MatVinn* project can become an integral part of the school's activities through an interdisciplinary implementation strategy. If this becomes a reality, the school can help demonstrate responsibility for the environment and climate to the students through action competence.

Norway's climate action plan: A just project?

Summer project by **Oda Bjørnnes** and **Karin Ness Kjølstad**

The aim of this study was to explore whether the Solberg Government's climate action plan (*Klimaplan for 2021-2030*), which was presented to the Storting in January 2021, recognised different aspects of justice. The climate action plan presents the (then) government's plan to cut Norway's emissions by 50 per cent by 2030. However, climate change is a wicked problem where both definitions and solutions are complex and conflicting. Climate policy is therefore not exempt from affecting different groups disproportionately and therefore contributing to increased social differences, both nationally and globally. We conducted a document analysis of the plan's measures to reduce emissions and the discussions in the Storting (Norwegian parliament) hearings where different societal actors were present. The study concludes that the climate action plan presents important measures to reduce Norway's emissions, but has several shortcomings when it comes to distributive justice, procedural justice, and justice of recognition – three crucial aspects of climate justice. This is an issue in itself, but policies that are not perceived as fair are also likely to lead to problems of legitimacy and to opposition in the population, as we have seen with the Yellow Vest movement in France. We therefore argued that a fairer climate action plan will take a much closer look at the conflicts that arise to ensure that all sides are represented throughout the political decision-making process.



Do the Corona relief packages contribute to a just environmental transition?

Summer project by **Oda Fagerland**

Following several economic relief packages in Norway 2020, the Norwegian government presented a NOK 16 billion relief package in January 2021. The measure was introduced in an attempt to alleviate the harmful effects of the pandemic in the country. However, some claim that the economic measures against the socioeconomic effects of the Covid-19 pandemic in Norway contributed to the environmental crisis. This report examines in what ways the economic relief packages introduced in response to the pandemic in Norway have facilitated achieving or preventing realisation of environmental objectives. Given that sustainability and social justice can sometimes be conflicting ideals, the text explores which sectors and people were prioritised when the relief packages were formulated. In doing so, the report attempts to illuminate the types of frameworks and values that shaped the political decisions in this particular pandemic response.



Is Norway's green shift sustainable? Experiences among individuals with disabilities

Summer project by **Jenny Glenton Prescott**

The Norwegian Government's political development is anchored in the United Nations' sustainable development goals. The latter aims to promote climate-friendly and socially inclusive means of transportation which can be used by diverse social groups. However, this study shows how climatic issues often are prioritised over social inclusion. Measures aimed at reducing car use, as well as lack of access to green mobility services, are found to be particularly problematic. People with disabilities are often dependent on the use of a private car in everyday life. When alternative green means of transport are designed in a way that is inaccessible for individuals with disabilities, this can lead to reduced social and physical freedom for many. Findings show how increased knowledge and political inclusion of groups with disabilities may contribute to the development of sustainable infrastructure for all. As one informant puts it: 'People with disabilities are just as concerned about the environment and climate as everyone else. But you also have to live your life in the middle of all of that. So we have to find good solutions that suit different people'.



The role of the rural periphery in urban development processes in Lillestrøm and Ullensaker municipalities

Summer project by Johanne Heen Enger

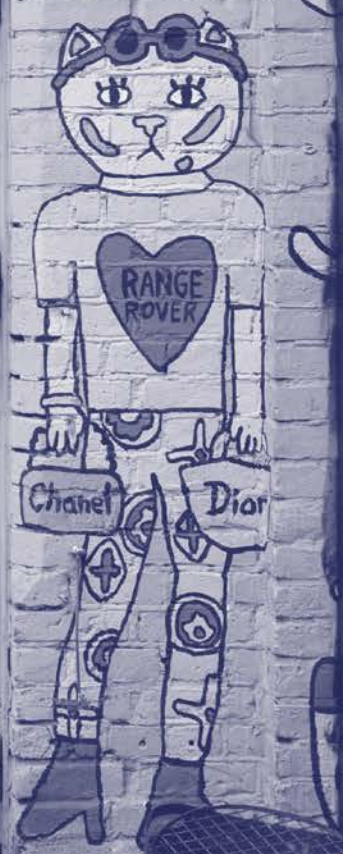
This project has researched the extent of citizen participation in the municipalities of Lillestrøm and Ullensaker, situated on the rural peripheries, in urban planning processes regarding the shift towards more sustainable mobility (reduced car use). As regional cities, Jessheim and Lillestrøm should secure green mobility and access to jobs and services for those living in the larger region. The findings suggest that the city planners in the municipalities have not specifically targeted people living in the periphery in citizen participation processes, nor regarded the periphery as a group that should be targeted specifically in citizen participation processes. The degree of influence the people living in the periphery can have on the planning process was therefore found to be limited. The project has applied a social justice framework built on the three principles of justice, i.e., (1) *distributional justice*, (2) *recognitional justice*, and (3) *procedural justice* to analyse the findings. The project finds that the planning processes have not paid specific attention to achieving socially just outcomes for the rural periphery.



Do the economic policy responses to the COVID-19 pandemic contribute to a socially inclusive environmental transition?

Summer project by Torgeir Jørgensen

This project addresses the economic package of measures provided to mitigate the effects of infection control measures due to the outbreak of the COVID-19 virus. The project provides an overview of the financial support schemes and their political rationales, and discusses political priorities in light of fair environmental change. Most of the stimuli were designed to help companies and households in a period when incomes fell due to strict control measures. Very little in the media coverage and the government press conferences indicates that the environmental aspects and the green shift have explicitly left their mark on the formation of the economic initiatives. The main policy is to maintain economic activity and avoid unnecessary bankruptcies that would be costly in the long run. The goal of fair distribution is important to distribute the consequences of the pandemic in a way that does not increase differences in the population. A challenge for such political decisions is that they are redistributive between groups, and thus must find a balance between equalising the gains and taking into account long-term growth.





07

**International
engagement**



Photo: Juliana Kozoski on Unsplash

International collaboration

Include collaborates closely with Durham University in the United Kingdom, and in 2021 regular meetings have been held between researchers at Durham University and Include. We have also worked on integrating our international advisory board with the centre's research and dissemination activities. Katarina Eckeberg (Umeå University, Sweden) has participated in researcher meetings in Include, presented her research and made suggestions for PhD and postdoc projects. Roger Keil (York University, United Kingdom) opened Include's lunch seminar series with a lecture titled 'Spatialized ecologies and power in place'. Desmond McNeill (UiO) and Lars Coenen (Western Norway University of Applied Sciences) have taught Include's master's programme, and Janet Stephenson (Otago University, New Zealand) is participating in a research article on household energy practices.

We have also invited internationally recognised researchers to present their research at Include events; in March 2021 Mimi Sheller (Worcester Polytechnic Institute, USA) held a lunch seminar on air travel in academia, and Tess Lea (University of Sydney, Australia) gave a keynote presentation at Include's annual conference on *Wild Policy: Indigeneity and the Unruly Logics of Intervention*.

Highlight 4



Most-cited researchers

Six Include researchers made Elsevier's ranking (2021) of the top 2 per cent of most-cited researchers globally in 2020, namely: Lars Gulbrandsen (FNI), Karen O'Brien (UiO), Iver Neumann (FNI), Tanja Winther (UiO), Kirsten Jenkins (Edinburgh University) and Gavin Bridge (Durham University).

Team Durham



Andres Luque Ayala
Durham University



Chima Michael Anyadike-Danes
Durham University



Claire Dungey
Durham University



Gavin Bridge
Durham University



Kirsten Jenkins
Edinburgh University



Simone Abram
Durham University



The Include affiliation is well received internationally and is visibly emphasised by international partners in their communication because just transformation is such an important topic and there are still few research centres dedicated to it across Europe.

Kacper Szulecki, Department of Political Science,
University of Oslo

Members of the Include Advisory Board



Alan Warde

Institute of Sociology, School of Social Sciences, University of Manchester, UK



Janet Stephenson

Centre for Sustainability, University of Otago, New Zealand.



Roger Keil

Faculty of Environmental Studies, York University, Toronto, Canada



Desmond McNeill

Centre for Development and the Environment, University of Oslo, Norway



Mariëtte de Haan

Faculty of Social and Behavioural Sciences, Utrecht University, the Netherlands



Michèle Knodt

Institute for Political Science, TU Darmstadt, Germany



Lars Coenen

Mohn Centre for Innovation and Regional Development, Western Norway University of Applied Sciences, Norway



Simin Davoudi

School of Architecture, Planning & Landscape, University of Newcastle, UK



Katarina Eckerberg

Department of Political Science, Umeå University, Sweden

Publication activities

Include researchers also collaborate with international researchers in their publication activities. Seven of the academic publications published by Include researchers in 2021 were written in collaboration with researchers from international institutions.

Presentations to international audiences

In 2021, Include researchers gave 30 presentations at international events.

Research applications with international partners

In 2021, the Include team participated in or led a substantial number of applications (22), seven of which included international research partners. The table below gives an overview of the initiatives and collaborating partners. In total, these applications involved collaboration with four Nordic, six European and two non-European institutions outside the Include consortium.

Highlight 5



Include researcher influencing EU's work on sustainability transitions

The European Commission's toolkit for sustainability transitions under the European Green Deal uses Include researcher Kacper Szulecki's work on energy democracy. The toolkit was developed for national and regional decision-makers.



Illustration photo: colourbox.com

Application title	Applicant/ project leader	Funding agency/ programme	National and international research collaboration
SCROLL	UiO	NFR SFF	Partners from Norway, UK and Italy
REDESIGN	FNI	NFR	University of California, Berkeley (US), DIW Berlin (Germany), University of Edinburgh (UK)
ACTS	CMCC	Horizon 2020	Universita di Bologna (Italy), Arena for Journalism in Europe (EU), Museo Delle Scienza (Italy), InfoDesign-Lab (Norway), UNESCO, Institut Jozef Stefan (Slovenia), University of Copenhagen (Denmark), University of Oslo (Norway)
Hydrogen at a crossroad	FNI	NFR	Sussex University (UK)
REPAIR+ABILITY	Aarhus University	DFF	University of Oslo (Norway)
Socially just energy systems	SINTEF Energi	Nordic Energy Research	IVL (Sweden), Energistyrelsen (Denmark), University of Oslo (Norway), Institute of Energy Technology (Norway)
Transpol	Høgskolen i Molde	NFR	Swedish Knowledge Center for Public Transport (Sweden), CICERO (Norway)

Highlight 6



Nordic research collaboration on the energy systems of the future

The Nordic Energy Outlooks programme aims to strengthen Nordic research collaboration on the energy systems of the future. Include researchers Marianne Zeyringer and Oskar Vågerö are participating in this project by developing methods for taking social inclusion into account in energy systems analysis and modelling. This collaboration originates in Include.



Photo: Søren Sigfusson/norden.org / Wikimedia Commons

Highlight 7

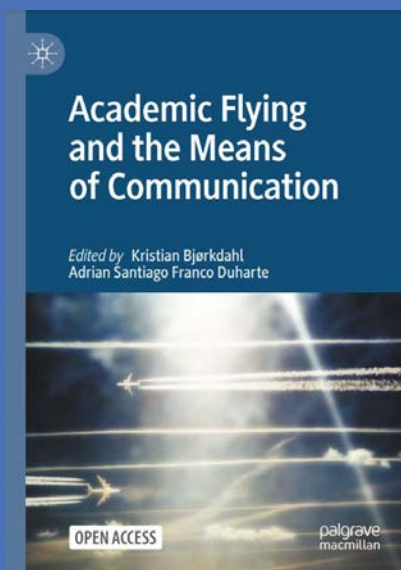


The rights of persons with disabilities included in the Vienna Declaration

The Transport, Health and Environment Pan-European Programme (THE PEP) was established in 2002. Its purpose was to gather key actors from the health, environment and transport sectors in Europe to promote a more healthy and environmentally friendly transport sector. A new declaration, the Vienna Declaration, was signed in the spring of 2021. Inspired by Include, the Norwegian Directorate of Health succeeded in getting the interests of persons with disabilities, and the needs of other vulnerable groups for access to environmentally friendly transport, included in the declaration.



Illustration photo: gettyimages



Highlight 8



Include-supported book on Academic Flying reached more than 12 000 downloads

A new book, *Academic Flying and the Means of Communication* (eds Kristian Bjørkdahl and Adrian Santiago Franco Duharte) received support from Include as an open access publication and has gained massive readership.

[Academic Flying and the Means of Communication](#)



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Öljätkerä...
Käyttö...
Netin...
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For å sikre strøm...
bryteren...
stengt...
ADVARSEL: Ved arbeid...
bryter...
må...
selv om bryter i måler er koblet...

MH



08

**Include
communication
2021**

Include's communication goals for 2021: just transformation on the agenda

In 2020 we carried out a survey among Include's partners and researchers asking about which goals should be prioritised in our communication activities in 2021. The alternative that received most support among our partners concerned drawing attention to just transformation in the election campaign and public debate surrounding the 2021 general election. To achieve this, it was set out in the work plan that Include would arrange seminars on strategic topics from the work packages linked to ongoing political processes and would write opinion pieces in order to share results and influence ongoing debates and political processes.

In 2021 we arranged seminars on several topics with relevance to just transformation in the election campaign as part of Include's lunch seminar series, including seminars on just climate policy and wind power. Include also arranged a seminar for 178 participants in May 2021 entitled 'Klimaplanen: Hva nå?' [The climate plan: What now?] in collaboration with CICERO Center for International Climate Research. Moreover, several researchers from Include took part in media debates on just transformation before, during and after the general election. Much of Include's research has direct relevance to, for example, the public debate on the high electricity prices in winter 2021.



Include Lunch March 2021

Include's lunch seminar series

During spring and summer 2021, Include arranged a series of lunch seminars with the aim of reaching a broader audience of researchers, decision-makers and other stakeholders with relevant problems from and knowledge about Include's focus areas. The seminars were conducted digitally, and attendance varied from 15 at the first seminar to 120 at the most popular one. An overview of all the lunch seminars that were held in 2021 is presented in the table below.

Include's lunch seminars held in 2021.

Month	Seminar	Speakers	No. of attendees
February	Spatialised ecologies and power in place	Roger Keil, York University	15
March	Academic flying and the means of communication	Mimi Sheller, Worcester Polytechnic Institute Sebastian Jäckle, University of Freiburg	40
April	Vindkraft: Hvem bestemmer og hvem berøres? [Wind power: Who decides and who is affected?]	Lars H. Gulbrandsen, FNI Susanne Normann, SUM Eva Maria Fjellheim, UiT Mikaela Vasstrøm, University of Agder	120
May	Partssamarbeidets rolle i klimakampen [The role of industrial relations in the climate battle]	Tanya P. Nymo, Union of Education Norway Alvhild Bie-Drivdal, OsloMet	60
June	Unge klimaengasjement [Youth climate activism]	Cinta Hondsmærk, activist Marit Ursin, NTNU Anja Duun Skauge, MSc in climate psychology Are Kalvø	40
August	Kan klimapolitikken bli rettferdig? [Can climate policy become just?]	Kalle Moene, UiO Maren Holthe Hedne, UiO Katinka Holtmark, UiO/TØI	100



Include's annual conference 2021

Include plans to hold an annual conference to bring together researchers, decision-makers and other stakeholders from inside and outside the centre to discuss its focus areas. The first annual conference was arranged in 2021 and was aimed primarily at decision-makers and partners. The annual conference was conducted digitally due to Covid-19 pandemic restrictions, was conducted largely in Norwegian, and attracted 90 attendees.

The title of the 2021 conference was *Rettferdig omstilling: Forskning møter praksis* (Just transformation: Research meets practice). The conference opened with a keynote presentation by Tess Lea, a professor of anthropology and cultural studies at the University of Sydney. She presented her research on indigenous people's encounters with policy and policy formulation in Australia. Next up were Linda Sygna from cChange and Kirvil Stoltenberg from the Norwegian Environment Agency with presentations on the topic of transformation in practice.

In the afternoon, three sessions ran in parallel: 'Tatt av vinden' (on wind power development), 'Verksted: Arbeid med sentrumsplaner' (on city planning) and 'Forbruk: Hvor ble Erik Dammann av?' (on consumption). The second of these sessions was arranged in collaboration with Hurdal municipality and the latter in collaboration with Future in our Hands.

The conference ended with a joint session entitled 'Veier videre' [the ways forward], consisting of presentations by doctoral students, master's students and a climate activist, a talk on solutions for a transformation society by Kjetil Bjørklund from the Norwegian Association of Local and Regional Authorities (KS), and a film made through collaboration between UiO and A-Lab architectural office on urban development in Hovinbyen.

Highlight 9



Input to the design of climate and environmental policy

In connection with the change of Norwegian government and the Climate Change Conference (COP26) in Glasgow, Include researchers raised the importance of linking natural disasters and the climate crisis to the work on just transformation: Lars Gulbrandsen argued for drawing on experiences from climate politics to ensure a good nature conservation policy. Hege Westskog launched an appeal (in newspaper Klassekampen) to the new government emphasising the need for a fundamental transformation of the economy and society in order to resolve the climate and nature crises. Westskog was later asked to write a report for the Ministry of Local Government and Modernisation on climate transformation in rural municipalities. Simone Abram made a podcast on just transformation for the universities network for COP26. Anders Tønnesen and Hilde Holsten made a podcast on policies for just transformation in which Eivind Trædal (MDG) also took part.



Highlight 10



Include participants are actively communicating results

Include's participants, both researchers and partners, are highly active in communicating results and issues from Include's research in the media as well as to stakeholders and other audiences. In 2021, Include participants made 47 contributions to discussions in the media and held 193 presentations at different events and meetings.

Highlight 11



Collaboration with *Store norske leksikon*

One of Include's communication goals in 2021 has been to clarify key terms in Include's research for partners, decision-makers and the general public, and in this connection we have established collaboration with *Store norske leksikon* (Great Norwegian Encyclopedia). Two terms ('gentrifisering' [gentrification] and 'energifattigdom' [energy poverty]) are being prepared for publication in the encyclopaedia, and more are planned.



**STORE
NORSKE
LESIKON**



Partner Forum December 2021

Partner Forum

In response to suggestions from our partners, we have established a forum for discussing specific problems called Partner Forum, where relevant Include partners and researchers meet to discuss specific problems they encounter in their work and to comment on preliminary research results in currently relevant areas of interest. Partner Forum will partly replace work package gatherings and will invite representatives from various partners to participate according to current topics and across work packages.

Include's first partner forum was held on 7 December 2021, with the topic 'Electricity consumption, energy society and charging of electric cars in housing cooperatives'. Some of the topics were suggested by our partners. The sessions in the forum were led by our partners, with presentations given by researchers and partners, followed by discussions on the various topics.



The centre creates new arenas for dialogue with policy and decision-makers at the state, regional and local level.

Per Gunnar Røe, Department of Sociology and Human Geography, University of Oslo

Results and Recommendations

Results and Recommendations was created as a result of the self-assessment survey conducted among partners and in response to our partners' needs for early access to results. The *Results and Recommendations* series presents brief summaries of results from Include's research. These are shared with partners and other relevant actors to make it easier to use Include's research results. In 2021 we published the results and recommendations from seven projects, *Results and Recommendations* is published on Include's website and distributed with Include's newsletter.



RESULTATER OG ANBEFALINGER 05/2021

Bygulvet – hvordan påvirker det arbeidet med å utforme attraktive og inkluderende byrom?

Av Per Gunnar Røe (ISS, UiO) og Milla Bjerkestrand (ISS, UiO)

Dato: 20. oktober 2021

Begrepet «bygulv» brukes stadig hyppigere for å beskrive utendørs fellesrom og førsteetasjene i bygninger, og overgangssonene mellom. Her presenterer vi resultatene av en studie som viser hvordan aktører i byutviklingen forstår begrepet "bygulv", og hvordan dette påvirker utformingen og bruken av offentlige byrom.

Highlight 12



Include researchers' contribution to the discussion on electricity prices and energy poverty

Torjus Lunder Bredvold took part in the NRK television programme *Debatten* to discuss energy poverty in Norway in connection with the public debate on electricity prices in winter 2021, and other researchers (Øyvind Sundet, Tor Håkon Jackson Inderberg and Tanja Winther) contributed in various media channels to warn of the impacts which high electricity prices combined with planned changes in the grid tariff would have on vulnerable groups.



Torjus Lunder Bredvold at NRK TV *Dagsrevyen* on 13 Nov 2021.

Highlight 13



The rights of persons with disabilities in transition processes

Jenny Glenton Prescott conducted a study on groups with disabilities, and the results showed that groups like these often find they are excluded from participatory processes and that they pay the price for measures that introduce car-free city centres in terms of quality of life. The results were communicated to Oslo City Council's Standing Committee on Transport and Environmental Affairs through a case initiated by Silja Winther, an inhabitant with disabilities.



Oslo city council hall. Photo: Oslo bystyre / flickr



KLÆR

09

**Self-assessment
survey**

Self-assessment survey

Include must submit a self-assessment to the Research Council of Norway on 1 April 2022. The self-assessment must give an account of the status of the centre so far and identify which parts of its operation are perceived to work well and which parts could be improved. As the first step in this process we conducted a survey in 2021 of Include's partners and research institutions. Both surveys included questions we expect will be asked in Include's midway evaluation, which will be conducted by the Research Council of Norway in 2023, to prepare our partners for these questions. Some of the main results from the survey are presented below.

Results from the survey of our partners

The survey consisted of two parts: an obligatory questionnaire with questions on how partners perceive their collaboration with Include so far and on what could be improved, and an optional questionnaire with questions which we expect will be asked in the midway evaluation to be conducted by the Research Council of Norway in 2023.

The questionnaire was distributed to 24 partners, two of whom had only recently become partners and were therefore not asked to complete the questionnaire. A total of 17 partners submitted their responses within the deadline, representing a response rate of 77%. Of these, 11 were public institutions, four were civil society organisations and two were private companies. Include's partners comprise 13 public institutions, six civil society organisations and five private companies.

The partners perceive Include's focus areas as relevant

The survey reveals that most of Include's partners perceive the centre's research topics and focus areas as important and relevant to their own activities and to society in general. When asked about their motivation for participating in the centre, 10 of 17 partners state

that they want to contribute towards developing a better knowledge base on social inclusion and justice in their work on energy, climate and environment, and 10 of 17 express a wish to acquire knowledge they could use to achieve their own ambitions for inclusive and just climate and environmental activities and to receive input on how they could resolve challenges they face in the field.

Questions	1	2	3	4	5	6
To what extent do you consider that the centre is relevant to your organisation?	0	1	0	5	8	3

Include has had little influence on its partners' activities so far

Despite a very positive evaluation of the centre's relevance, the responses to the question about the extent to which participation in the centre has influenced the partners' activities varies widely, and most of them state that Include has had little influence on their own activities so far. This is not surprising, considering that

Include has been operating for only two years and many research projects have therefore not yet produced results for presentation. Nonetheless, six partners comment on specific projects and activities in their organisations where researchers from Include have contributed, and four partners state that they had gained more knowledge about Include's focus areas as a result of their participation.

Questions	1	2	3	4	5	6
To what extent do you consider that the centre is relevant to your organisation?	3	6	6	1	1	0

The partners are satisfied with the centre's researchers and administration

The partners award high scores in their evaluation of the competence of the centre's researchers and of the centre's project management and administration.

How would you rate the centre in terms of:	1	2	3	4	5	6
The competence of the centre's researchers:	0	0	0	0	6	11
The centre's project management and administration:	0	0	0	2	6	9

Involvement of partners in the centre's activities

Most of the partners award high scores in their evaluation of communication between the centre and the partners and of the extent to which the centre involves its partners. However, some partners point out that there has been little activity in and/or results shared from projects in which they are participating, and some also express a lack of updates on progress and progress plans in

the projects and in Include generally. A few partners also express a wish for clarification of the role of the partners in respect of Include and the research projects. As a result of this feedback, we have established two new communication platforms for disseminating our research findings to our partners: *Partner Forum* and the *Results and Recommendations* series, which are described in chapter 8.

How would you rate the centre in terms of:	1	2	3	4	5	6
Communication between the centre and the partners:	0	1	1	4	6	5
The centre's level of involvement of user partners in its work on strategies and priorities:	0	1	3	6	6	1

Need to raise visibility among partners and beyond

Some partners would like to see Include do more to raise public awareness of the centre's focus areas and of the centre itself. Two partners comment that they do not consider Include to have established itself as a centre

that is known by many beyond its partners. At the same time, some partners comment that they have noticed good and relevant media contributions by Include researchers, and one partner states that it perceives that the centre works actively on raising the visibility of Include's focus areas in the public sphere.

How would you rate the centre in terms of:	1	2	3	4	5	6
Communication between the centre and the wider public (raising visibility/dissemination):	0	0	3	7	7	0



Include is remarkably well organised and managed.

Sigrid Stokstad, Faculty of Law, University of Oslo

Results from the survey of research institutions

Like the survey of the partners, the questionnaire distributed to the research institutions included questions we expect will be asked in Include's half-way evaluation to be conducted by the Research Council of Norway in 2023. Realising that it may be too early to ask our research partners some of these questions, several of them were not made obligatory to answer.

Nine of the 11 research units that were asked to complete the questionnaire submitted their responses within the deadline. Since the six units at the University of Oslo that participate in Include have different research teams and focus areas, they were asked to submit their responses individually, even though UiO is formally regarded as a single research partner.

Include is an important platform for enabling research

Several research partners stress that participation in Include has provided opportunities to increase research activity around inclusive and just transformation within their organisation. Four partners state specifically that this has made it possible for them to address new dimensions in their organisation's research strategies. One partner states that Include's structure and transparency enabled collaboration between researchers and partners and reduces the administrative burden of setting up new projects.

Include as a springboard for collaboration and dialogue

The questionnaire contained five questions dealing with collaborative relationships with other research institutions in and outside Include, and about collaboration and dialogue with partners and decision-makers. The

research institutions generally state that participation in Include has led to new collaborative relationships and has provided a platform for dialogue with decision-makers both inside Include's partner group and beyond. For example, the research institutions cite new project applications that were been developed on the back of collaboration that originated in Include, closer collaboration and dialogue with partners and decision-makers, stronger national and international research networks, and closer collaboration between units at the University of Oslo where little dialogue had existed previously. At the same time, some researchers state that these relationships could be further strengthened once they can return to physical rather than virtual meetings.

The researchers are satisfied with Include's management and administration.

When asked about the centre's management and organisation, all the eight partners who answered the question state that they are satisfied with Include's management, and several give highly positive feedback on the way in which Include is managed. Four of the partners state specifically that they perceive Include's management as dedicated and active.

Could improve on raising visibility internationally and communication

Some of the research partners comment that Include could work more actively on raising the visibility of the centre and its research internationally. Some also comment that more should be done on further developing Include's website and communication strategy in social media.



10

Appendices

APPENDIX A

Ongoing projects 2021

Ongoing projects in 2021 (started in either 2020 or in 2021).
Master's and summer projects are excluded.



Energy systems in transition (WP1)

Project	Overall objective	Project leader and partners
Flexible electricity use: Enabling and constraining factors	To understand how different household groups use and interpret available information about time-of-use pricing and consumption levels and their attitudes towards capacity pricing	Hanne Sæle SINTEF Energy Research, CICERO, Viken, NVE, Istad Nett, Forbrukerrådet, Energi Norge
Flexible electricity use: Lessons from pilot projects	To explore how different instruments aimed at improving electricity demand flexibility affect different household groups' scheduling of electricity use, energy practices, and motivations for energy saving	Karina Standal CICERO, SUM (UiO), Otago University, Viken, NVE, Istad Nett, Forbrukerrådet, Energi Norge
The municipality as energy pioneer	To explain why a municipality has become an energy pioneer, identify barriers in this process and clarify how the barriers have been managed	Tor Håkon Jackson Inderberg, FNI, CICERO, SUM (UiO), Kongsberg Kommunale Eiendom
Flexible energy use in Norway and Sweden: A comparison	To explore how national regulations for electricity demand flexibility (EDF) have developed in Norway and Sweden and explain the political feasibility of adopting different instruments for EDF	Tor Håkon Jackson Inderberg FNI, Lund University, NVE, Viken, Istad Nett, Forbrukerrådet
Clean energy package (CEP)	To map Norwegian policymakers' and stakeholders' perspectives on the CEP and its implementation and identify the impact of CEP on Norway's renewable energy and community energy sector	Kacper Szulecki ISV (UiO), FNI, Solenergiklyngen
Local energy opportunities	To investigate how local government (municipalities), power companies and related actors can work together to create energy systems tailored to local needs.	Mikkel Vindegg CICERO

Project	Overall objective	Project leader and partners
Winds of change	To explain why municipal councils who earlier had voted for wind power development have changed position	Per Ove Eikeland FNI, Viken, KS
Collective and tenant prosumers	To investigate the regulatory challenges associated with involving 'collective residents' in the prosumer segment	Marie Byskov Lindberg FNI, KKE, Solenergiklyngen, Energi Norge
Green Industry Geographies (GIG)	To explore the extent to which access to the grid or processes for grid accessibility in a given geographical location affects the establishment of different types of green industries in Norway, and if this affects where new green industries establish	Mari Lie Larsen FNI, Istad Nett, Troms Kraft
Social factors and energy modelling	To explore and improve the representation of social factors in energy systems modelling as an attempt to move the scientific field of energy systems modelling beyond the dominating techno-economic view	Oskar Vågerö Department of Technology Systems (UiO), FNI, NVE
Transitioning energy practices in the household	To research the capacity of practitioners to transition to energy-relevant practices, but also accentuate the need to include dimensions of inequality more purposefully when studying energy practices	Eivind Hjort Matthisen, FNI



Energy spaces and flows (WP2)

Project	Overall objective	Project leader and partners
Urban sprawl	To enhance public authorities' abilities to steer land use development in climate friendly directions at the same time of being socially just	Aud Tennøy TØI, Lillestrøm, A-lab, Helse- direktoratet, Ullensaker, Viken
Everyday COVID-19	To produce new insights into how ruptures in socio-material systems can work to fundamentally alter or reinforce routing consumption practices – and for whom	Arve Hansen SUM, Wageningen University, Helsedirektoratet



Energy spaces and flows (WP2)

Project	Overall objective	Project leader and partners
Sustainability and consumption	To understand the struggles and negotiations households engage in, as well as the social, political, material and institutional aspects working as barriers and enablers of sustainable and equitable consumption	Arve Hansen, SUM
Post-epidemic urban planning	To assess the short-, mid- and long-term implications for urban land use and transport in the face of the 2020 COVID-19 pandemic	Lars Böcker TØI, ISS (UiO), Durham University, A-lab, Aspelin Ramm, Viken
Smart mobility suburbs (SMS)	To investigate the conceptualisation and promotion of energy smart new towns	Per Gunnar Røe ISS (UiO)
Truly public spaces	To study existing urban public and semi-public spaces focussing on how these spaces frame social practices, are socially inclusive and contribute to place identity; to explore the potential for developing socially inclusive public spaces	Per Gunnar Røe ISS (UiO), Bærum, Lillestrøm, A-lab, Oslo, Viken, Trefokus
Attractive living	To establish criteria for development of implementation models for sustainable housing projects and attractive local communities	Rolf Jacobsen Gaia arkitekter, Hurdal, A-lab, Viken, Trefokus
Electric vehicles and solar prosumption	To explore the spatial distribution of electric vehicle (EV) ownership and PV prosumption, their interconnections and their correlations with socio-economic status and other population statistics	Lars Böcker TØI, FNI, Istad, Viken
Sustainable proteins	To map barriers and opportunities for up-scaling sustainable protein consumption in Norwegian households	Johannes Volden SUM (UiO)
Inclusive and sustainable planning (Vestre Billingstad)	To explore ongoing planning practices as part of the development project 'Vestre Billingstad', focussing on sustainable and socially inclusive strategies and projects	Asker, ISS (UiO), IPed (UiO), SUM(UiO)



Municipalities as change agents (WP3)

Project	Overall objective	Project leader and partners
Urban growth agreements (UGAs)	To investigate to what extent and how issues of social inequalities were part of the UGA renegotiation process and to what extent and how the renegotiated UGAs reflect social inequality dimensions	Anders Tønnesen CICERO, OsloMet, SUM (UiO), Viken
Re-making consumption	To explore how municipality-led sustainability initiatives are understood and used by inhabitants seeking to understand potential social, economic or institutional barriers to the upscaling of collaborative consumption	Ulrikke Wethal SUM (UiO), Oslo, Asker, Spire, Miljødirektoratet, FIVH
Greening industrial relations in Norwegian municipalities	To explore the potential for 'greening' industrial relations in the municipal sector	David Jordhus-Lier ISS (UiO), KS, Utdanningsforbundet
Climate budgeting	To investigate the role of climate budgeting with respect to sustainability transformation in municipalities	Mette Talseth Solnørdal UiT, SUM (UiO), Civitas, Oslo, Tromsø, Miljødirektoratet, Troms og Finnmark, KS, Solenergiklyngen, Viken, Lillestrøm, Bærum
Local food	To investigate the potential for local circuits with respect to sustainability transformation.	Hege Westskog, SUM (UiO), CICERO, UiT, insam, KS, Tromsø, Hurdal, Oslo, Spire, A-lab
Peripheral public participation	To contribute new knowledge about the urban-rural tensions within municipalities in initialisation and implementation of decarbonisation measures in municipalities	Sigrid Stokstad OsloMet, SUM (UiO), Ullensaker, Hurdal, Lillestrøm, Asker, A-lab, Viken
Smaller municipalities	To understand what characterises national-authority ambitions for climate-friendly land use in smaller municipalities and how these municipalities experience these ambitions; to explore how smaller municipalities work to address climate-friendly land use and how this may affect social justice	Anders Tønnesen CICERO, SUM (UiO), Troms og Finnmark, Viken
Household survey	To investigate households' attitudes towards local climate- and environmental policies.	Marianne Aasen CICERO, SUM, Oslo, Miljødirektoratet, Helsedirektoratet, Asker, Bærum, FIVH



Municipalities as change agents (WP3)

Project	Overall objective	Project leader and partners
Small-scale agriculture pre-project	To illustrate the potential of small-scale agriculture to contribute to sustainability transformation through narratives	Kjetil Bjørklund KS, SUM, Spire, Hurdal, Viken
Just tax	Investigate Norway's national budget and tax policy with respect to effects for firms, households and investment in green technology.	Katinka Holstmark UiO, TØI
Circular economy	To understand the role of municipalities in contributing to inclusive solutions for the circular economy through collaborative governance	Ingrid Christiansen CICERO
Urban contractual agreements and just transitions	To explore the policy processes of urban contractual agreements with respect to a just transition to a low-emission society	Kirsten Hegsvold TØI
Co-producing local sustainability	To study how co-production networks between municipalities and societal actors contribute to municipalities' work with climate transformation	Iris Leikanger SUM (UiO)
Network for local circuits	To contribute to a transformative climate agenda in Norwegian municipalities	Kjetil Bjørklund, KS, insam, Civitas, CICERO, SUM (UiO)



Interventions (WP4) and Learning across borders (WP5)

Project	Overall objective	Project leader and partners
Hovinbyen: Co-constructing and social inclusion in urban development. Cases and interventions in Hovinbyen in Oslo	To contribute to transformation to a low emission society through participation especially from the youth and development of digital platforms and facilitation of co-creation .	Ole Smørdal IPed (UiO), CICERO, ISS, Spire, Pådriv, Oslo kommune
Young climate leadership pilots	To address sustainable development of places in Asker through youth climate leadership	Asker, IPed (UiO)
Education for climate transitions	To investigate conditions and opportunities for UiO to offer new types of courses on transformative competence and leadership	Ole Smørdal, IPed (UiO), Asker, KS, KK-network
Climate games	To develop a collaboration on development of climate games aimed at the municipal sector and with an objective to develop e-democracy specifically for children and the youth	Sølvi Tellefsen, Lillestrøm, insam, CICERO, IPed (UiO)
Durham climate action plan	To explore how DCC's Climate Action Plan does/should address social inclusion	Chima Michael Anyadike-Danes Durham University, Durham County Council
Corona strategies	To understand how local government organisations are combining climate action and COVID-recovery plans and if/ how social inclusion issues are included in their response	Claire Dungey Durham University, Durham County Council

APPENDIX B

Personnel

Key Researchers

Name	Position	Institution	Gender	Research area
Tanja Winther	Professor, Head of Include	SUM, UiO	F	WP1
Hege Westskog	Senior Researcher, FME Coordinator	SUM, UiO	F	WP3
Arve Hansen	Researcher	SUM, UiO	M	WP2
Kacper Szulecki	Researcher	ISV, UiO	M	WP1
Per Gunnar Røe	Professor	ISS, UiO	M	WP2
Bjørnar Sæther	Professor	ISS, UiO	M	WP2
David Jordhus-Lier	Professor	ISS, UiO	M	WP3
Karen O'Brien	Professor	ISS, UiO	F	WP2
Ole Smørdal	Researcher	IPED, UiO	M	WP4
Sigrid Stokstad	Researcher	IOR, UiO	F	WP3
Marianne Zeyringer	Associate Professor	ITS, UiO	F	WP1
Lene Foss	Professor	UiT	F	WP3
Mette Solnørdal	Researcher	UiT	F	WP3
Elin Anita Nilsen	Associate Professor	UiT	F	WP3
Tor Håkon Jackson Inderberg	Research Professor	FNI	M	WP1
Jørgen Wettestad	Research Professor	FNI	M	WP1
Lars H. Gulbrandsen	Research Professor	FNI	M	WP1
Ole Kristian Fauchald	Research Professor	FNI	M	WP1
Jon Birger Skjærseth	Research Professor	FNI	M	WP1
Marie Byskov Lindberg	Senior Researcher	FNI	F	WP1
Per Ove Eikeland	Senior Researcher	FNI	M	WP1

Key Researchers

Name	Position	Institution	Gender	Research area
Mari Lie Larsen	Research Fellow	FNI	F	WP1
Torbjörg Jevnaker	Research Fellow	FNI	F	WP1
Anders Tønnessen	Senior Researcher	CICERO	M	WP3
Monica Guillen-Royo	Senior Researcher	CICERO	F	WP3
Nina Holmelin	Senior Researcher	CICERO	F	WP3
Marianne Aasen	Senior Researcher	CICERO	F	WP1
Mikkel Vindegg	Senior Researcher	CICERO	M	WP1
Karina Standal	Senior Researcher	CICERO	F	WP1
Asbjørn Torvanger	Senior Researcher	CICERO	M	WP1
Lars Böcker	Senior Researcher	TØI	M	WP2
Aud Tennøy	Chief Researcher	TØI	F	WP2
Petter Christiansen	Senior Researcher	TØI	M	WP3
Katinka Holtsmark	Senior Researcher	TØI/UiO	F	WP3
Lars Wang	Advisor, CEO	insam	M	WP3
Bård Sødal Grasbekk	Advisor	insam	M	WP3
Reidunn Mygland	Advisor	insam	F	WP3
Rolf Jacobsen	Consultant	Gaia Arkitekter	M	WP2
Eivind Selvig	Consultant	Civitas	M	WP2
Simone Abram	Professor	Durham University	F	WP5
Andres Luque Ayala	Associate Professor	Durham University	M	WP5
Gavin Bridge	Professor	Durham University	M	WP5
Chima Michael Anyadike-Danes	Researcher	Durham University	M	WP5
Claire Dungey	Researcher	Durham University	F	WP5
Kirsten Jenkins	Lecturer	Edinburgh University	F	WP5

Postdoctoral researchers with financial support from the Centre budget

Name	Nationality	Period	Gender	Topic
Ulrikke Bryn Wethal	Norwegian	2019-24	F	WP2, WP3

PhD students with financial support from the Centre budget

Name	Nationality	Period	Gender	Topic
Oskar Vågerö	Swedish	2020-24	M	WP1
Ingrid Christensen	Norwegian	2021-24	F	WP3
Eivind Hjort Mathiasen	Norwegian	2021-24	M	WP1
Johannes Rudfjord Volden	Norwegian	2021-24	M	WP2
Kirsten Hegsvold	Norwegian	2021-24	F	WP3
Iris Leikanger	Norwegian	2021-24	F	WP3

Communication and research support staff (vit.ass)

Name	Affiliation	Gender	Topic
Erik Berge	SUM, UiO	M	WP6
Astrid Arnslett	CICERO	F	WP6
Bente Bakken	UiO:Energi	F	WP6
Anna Valberg	FNI	F	WP6
Øyvind Sundet	SUM, UiO	M	WP7, WP1
Sindre Hoff	SUM, UiO	M	WP2, WP3
Thea Sandnes	SUM, UiO	F	WP3
Karolina Zieniewicz	ISS, UiO	F	WP1
Neha Singh	IPED, UiO	F	WP4
Karianne Krohn Taranger	FNI	F	WP1
Fitwi Wolday	TØI	M	WP2, WP3

Administrative and finance staff

Name	Affiliation	Gender
Marius Bergh	SUM, UiO	M
Terje Røysum	SUM, UiO	M
Kristoffer Ring	SUM, UiO	M
Knut Kjæreng	SUM, UiO	M
Gitte Egenberg	SUM, UiO	F
Galina Loginova	ISS, UiO	F
Synneva Laastad	ISS, UiO	F
Trine Labahå	IPED, UiO	F
Kari-Anne Ulfesnes	IPED, UiO	F
Ilze Gehe	ISV, UiO	F
Malin Dahlberg Løvereide	ISV, UiO	F

Administrative and finance staff (cont.)

Name	Affiliation	Gender
Øyvind HEnden	IOR, UiO	M
Elisabeth Wenger-Hagene	IOR, UiO	F
Suzanne Tærud Day	CICERO	F
Sigrid Rian Song	CICERO	F
Claes Lykke Ragner	FNI	M
Gøril Heimland	UiT	F
Christian Hansen	UiT	M
Lisbeth Kjelstrup	TØI	F
Espen Refstie	TØI	M

Include board members and substitute board members

Name	Affiliation	Gender	Role
Vebjørn Bakken	UiO	M	Board member
Marianne E. Lien	UiO	F	Substitute
Kristin Halvorsen	CICERO	F	Board member
Frode Longva	CICERO	M	Substitute
Iver Neumann	FNI	M	Board member
Lars Gulbrandsen	FNI	M	Substitute
Matteo Chiesa	UiT	M	Board member
Edel O. Elvevoll	UiT	F	Substitute
Bjørn Erik Nordby	Asker kommune	M	Board member
Erling Guderud	Asker kommune	M	Substitute
Henriette Rognlien	Hurdal kommune	F	Board member
Julie Sjøwall Oftedal	A-lab	F	Board member
Magnus Berg Jørgensen	A-lab	M	Substitute

Include board members and substitute board members (cont.)

Name	Affiliation	Gender	Role
Christoffer Klyve	FIVH	M	Board member
Elisabeth Riise Jensen	FIVH	F	Substitute
Inger Lise Blyverket	Forbrukerrådet	F	Board member
Andreas Strandskog	Forbrukerrådet	M	Substitute

Include international advisory board members

Name	Affiliation	Gender
Alan Warde	Manchester University, UK	M
Janet Stephenson	University of Otago, NZ	F
Roger Keil	York University, CA	M
Desmond McNeill	University of Oslo, NO	M
Mariëtte de Haan	Utrecht University, NL	F
Michèle Knodt	TU Darmstadt, DE	F
Lars Coenen	HvL, NO	M
Simin Davoudi	Newcastle University, UK	F
Katarina Eckerberg	Umeå University, SE	F

Summer projects (completed in 2021)

Name	Affiliation	Gender	Topic
Oda Bjørnnes	SUM, UiO	F	WP3
Karin Ness Kjølstad	SUM, UiO	F	WP3
Oda Fagerland	ECON, UiO	F	WP3
Torgeir Jørgensen	ECON, UiO	M	WP3
Johanne Heen Enger	SUM, UiO	F	WP3
Jenny Glenton Prescott	SUM, UiO	F	WP3

Master degrees (completed in 2021)

Name	Gender	Topic
Sindre Cottis Hoff	M	WP2
Ryan Wesley Hamilton	M	WP2
Shayan Shokrgozar	M	WP1
Georgina Winkler	F	WP2
Elisbeth Hodne Urang	F	WP2
Ingrid Eid Rindebæk	F	WP2
Neha Singh	F	WP4
Christine Hagberg	F	WP4
Anne Catherin Acuna Gonzales	F	WP4
Yngve Bråten	M	WP2

Representatives from user partner institutions

Name	Affiliation	Gender	Main research area
Julie Sjøwall Oftedal	A-lab	F	WP2
Magnus Berg Jørgensen	A-lab	M	WP2
Pål Erik Olsen	A-lab	M	WP2
Geir Haaversen	A-lab	M	WP2
Anniken Reinertsen	A-lab	F	WP2
Olle Jönsson	A-lab	M	WP2
Geir Haaversen	A-lab	M	WP2
Bjørn Nordby	Asker kommune	M	WP3
Anja Østerli	Asker kommune	F	WP3
Gyrid Mangersnes	Asker kommune	F	WP2
Mari Ugland Grønstøl	Asker kommune	F	WP4
Elin Schönberg Røe	Asker kommune	F	WP4

Representatives from user partner institutions

Name	Affiliation	Gender	Main research area
Cato Steinsvåg	Asker kommune	F	WP4
Bente Støa	Asker kommune	F	WP4
Kenneth Dahlgren	Aspelin Ramm	M	WP2
Anne Bertine Fagerheim	Bærum kommune	F	WP2, WP3
Unni Larsen	Bærum kommune	F	WP2, WP3
Christoffer Klyve	FIVH	M	WP2, WP4
Astrid Bjerke	FIVH	F	WP2, WP4
Elisabeth Riise Jenssen	FIVH	F	WP2, WP4
Hanne Gustavsen	FIVH	F	WP2, WP4
Siv Elin Ånestad	FIVH	F	WP2, WP4
Inger Lise Blyverket	Forbrukerrådet	F	WP1
Andreas Strandskog	Forbrukerrådet	M	WP1, WP2
Janne Strandrud	Helsedirektoratet	F	WP3
Kadri Tammur	Helsedirektoratet	F	WP3
Heidi Fadum	Helsedirektoratet	F	WP3
Henriette Rognlien	Hurdal kommune	F	WP3
Gerhard Eidså	Istad Nett AS	M	WP1
Hallvard Benum	Kongsberg kommunale eiendom (KKE)	M	WP3, WP1
Kjetil Bjørklund	KS	M	WP3
Jørn Inge Dørum	KS	M	WP3
Berit Hessel	Lillestrøm kommune	F	WP2, WP3
Marianne Larsen	Lillestrøm kommune	F	WP2, WP3
Øyvind Daaland Lesjø	Lillestrøm kommune	M	WP2, WP3
Øyvind Wahl	Lillestrøm kommune	M	WP2, WP3
Lise Svenning Jensen	Miljødirektoratet	F	WP2, WP3

Representatives from user partner institutions

Name	Affiliation	Gender	Main research area
Marit Hepsø	Miljødirektoratet	F	WP2, WP3
Kirvil Stoltenberg	Miljødirektoratet	F	WP2, WP3
Sandrine Benard	Miljødirektoratet	F	WP2, WP3
Andrea Byfuglien	Miljødirektoratet	F	WP2, WP3
Benedicte Langseth	NVE	F	WP1
Cecilie Karina von Hirsch	Oslo kommune	F	WP2, WP3
Astrid-Johanne Svensson	Oslo kommune	F	WP2, WP3
Cecilie Bergmann	Oslo kommune	F	WP2, WP3
Signe Nyhuus	Oslo kommune	F	WP2, WP3
Line Tveiten	Oslo kommune	F	WP2, WP3
Veronica Sund	Oslo kommune	F	WP2, WP3
Reidun Malvik	Oslo kommune	F	WP2, WP3
Astrid Ståledotter Landstad	Oslo kommune	F	WP2, WP3
Trine Kopstad Berentsen	Solenergiklyngen	F	WP1
Ola Rostad	Solenergiklyngen	M	WP1
Julie Rødje	Spire	F	WP4
Nora May Engeseth	Spire	F	WP3
Sofie Ringdal	Spire	F	WP2
Aasmund Bunkholt	TreFokus	M	WP2
Øystein Olav Miland	Troms og Finnmark fylkeskommune	M	WP2, WP3
Synnøve Lode	Troms og Finnmark fylkeskommune	K	WP2, WP3
Laurence Frémon-Pitras	Troms Kraft	K	WP1
Anja Johnsen	Tromsø kommune	F	WP2, WP3
Ernst Kloosterman	Tromsø kommune	M	WP3

Representatives from user partner institutions

Name	Affiliation	Gender	Main research area
Grethe Frank Strand	Ullensaker kommune	F	WP3
Maria Rasmussen	Ullensaker kommune	F	WP2
Anne Cathrine Ekroll	Ullensaker kommune	F	WP3
Åge Vebostad	Ullensaker kommune	M	WP3
Jeta Limani Andreassen	Ullensaker kommune	F	WP3
Hans Petter Langbakk	Ullensaker kommune	M	WP3
Tanya Pedersen Nymo	Utdanningsforbundet	F	WP3
Trond Harsvik	Utdanningsforbundet	M	WP3
Inger Christina Kinch	Viken fylkeskommune	F	WP3
Guri Bugge	Viken fylkeskommune	F	WP1, WP3
Benedikte Kise	Viken fylkeskommune	F	WP3
Inger Johanne Strand	Viken fylkeskommune	F	WP3
Gerd Jacobsen	Viken fylkeskommune	F	WP1, WP3
Bård Strige Øyen	Viken fylkeskommune	M	WP2, WP3
Pia Audhild Eide Husstad	Viken fylkeskommune	F	WP2, WP3
Hilde Rønning	Viken fylkeskommune	F	WP2, WP3
Tyra Risnes	Viken fylkeskommune	F	WP1, WP3
Amra Kalac	Viken fylkeskommune	F	WP2, WP3
Eli Nakken Lundquist	Viken fylkeskommune	F	WP2, WP3
Farhad Derakhshan Rad	Viken fylkeskommune	M	WP2, WP3
Rina Kamilla Yamamoto	Viken fylkeskommune	F	WP2, WP3

APPENDIX C

Financial overview

BUDGET

Include budget 8 years (1000 NOK)

Research institutions	RCN	Own funding	Total
University of Oslo	48 332	45 568	93 900
UiT - The Arctic University of Norway	7 226	1 924	9 150
Fridtjof Nansen Institute - FNI	11 703	2 100	13 803
CICERO	12 179	2 600	14 779
TØI	9 630	1 050	10 680
OsloMet	610	248	858
Durham University	5 320	0	5 320
Research institutions, total	95 000	53 490	148 490
Partners (practitioners)		19 955	19 955
Include, total	95 000	73 445	168 445

(Figures in 1000 NOK)

COSTS AND FUNDING 2021

Reported costs and funding in 2021 (1000 NOK)

Research institutions	COSTS			FUNDING	
	Budget	Costs	Costs vs budget (%)	Own funding	RCN
University of Oslo	12 402	13 236	106,7 %	6 593	6 193
UiT - The Arctic University of Norway	1 734	808	46,6 %	17	791
Fridtjof Nansen Institute - FNI	3 066	3 261	106,4 %	300	2 961
CICERO	3 171	3 014	95,0 %	404	2 610
TØI	2 137	1 436	67,2 %	350	1 086
OsloMet	358	358	100,0 %	84	274
Durham University	1 199	660	55,0 %	0	660
Total, research institutions	24 067	22 773	94,6 %	7 748	14 575
Partners (practitioners)	2 650	2 881	108,7 %	3 331	0
Total, Include	26 717	25 655	96,0 %	11 079	14 575

(Figures in 1000 NOK)

APPENDIX D

Publications

Academic publications

2021

- Aarsæther, Nils, and Hege Westskog.** 2021. "Transforming Arctic Municipalities: The Winding Road to Low-Emission Communities." In *Stories of Change and Sustainability in the Arctic Regions*, edited by Rita Sørly, Bård Kårtveit, and Tony Ghaye. Routledge Studies in Sustainability. Routledge.
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- . 2021b. "'Time Is Our Worst Enemy:' Lived Experiences and Intercultural Relations in the Making of Green Aluminum." *Journal of Social Issues*, August, josi.12472. <https://doi.org/10.1111/josi.12472>.
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2021

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Böcker, Lars. 2021a. "Bompenger - en nødvendig onde?" Konferanse presented at the Arendalsuka, Arendal, August 17.

———. 2021b. "Bompenger, miljøvennlig og rettferdig mobilitet." Presented at the Arendalsuka, August 17.

Bonsanquet, Maggie. 2021. "How Can Transformations to a Low Emission Society Be Made Inclusive? Experiences from Durham County Councils Work." Presented at the Presentasjon på referansegruppemøte for WP2, WP3 og WP4.

Bråten, Yngve. 2021. "Hva betyr klimatiltak for personer med funksjonsvariasjon? Lærdommer fra Oslo." Presented at the Include årskonferanse 2021.

Bredvold, Torjus Lunder. 2021. "Blir dette strømprisorpørrets tiår?" Presented at the Kommunekonferansen 2021 i regi av KLP.

Breirem, Iselin. 2021. "Medvirkning for byutviklingsplan for Lillestrøm by." Presented at the Brukerpartnarmøte i Includes medvirkningsprosjekt, WP3.

Bridge, Gavin. 2021. "Making Batteries: the lithium-ion battery production network." Presented at the Update and progress WP3 and WP5, 24th June.

Bunkholt, Aasmund. 2021. "Sirkulærøkonomisk tilnærming til bærekraftig byutvikling i Hovinbyen i Oslo." Presented at the Kortreist Kvalitet nettverkssamling.

Christensen, Ingrid. 2021a. "Doktorgradsprosjekt om sirkulærøkonomien i lokal kontekst." Presented at the Forskermøte WP3, 11-09-21.

Presentations and dissemination

———. 2021b. "Samarbeid mellom kommune og næringsliv for en mer sirkulær økonomi." Presented at the Include årskonferanse 2021.

Dungey, Claire. 2021a. "Post-Covid Changes: Between Action Plans and Action." Presented at the Joint WP2 and WP5 meeting 24th June.

———. 2021b. "Transport and Active Travel in the UK- Post-Covid Changes, Visions and Action Plans." Presented at the Update and progress WP3 and WP5, 24th June.

Eckerberg, Katarina. 2021. "Collaborative Governance." Presented at the Forskermøte WP3, 9. november.

Eikeland, Per Ove. 2021a. "Hvorfor snudde kommunene i vindkraftspørsmålet?" Presented at the Include årskonferanse 2021.

———. 2021b. "EU Energy Policy – Developments and Drivers." Presented at the Lecture at University of Oslo, Institute for Technology Systems, Kjeller, October 11.

Eikeland, Per Ove, Karianne Krohn Taranger, Tor Håkon Jackson Inderberg, and Lars Gulbrandsen. 2021. "Vinden som skiftet retning." Presented at the Include årskonferanse 2021, Online, October 20.

Enger, Johanne Heen. 2021. "Citizen Participation among Rural Residents in Urban Development Planning." Presented at the UiO:Energy summer research projects, October 27.

Engseth, Nora May. 2021. "Studieopplegg for Kortreist-prosjektet; kommentarer og innspill." Presented at the Prosjektmøte Kortreist.

Fæhn, Taran, Katinka Kristine Holtsmark, and Kristin Halvorsen. 2021. "Klimaplanen, hva nå?" Presented at the PLATON og INCLUDE, May 20.

Greene, Mary, Arve Hansen, Claire Hoolohan, Elisabeth Süßbauer, and Lorenzo Domaneschi. 2021. "Consumption and Shifting Temporalities of Daily Life during Disruption: Undoing and Reassembling Household Practice during COVID-19." Presented at the ESA Conference 2021, Online, August 31.

Gulbrandsen, Lars. 2021. "Hva er konsekvensene av de varslede endringene i lovverket og konsesjonssystemet for vindkraft?" Presented at the Include lunsjseminar: Vindkraft, hvem bestemmer og hvem berøres.

Hansen, Arve. 2021a. "Why Do We Keep Consuming More? Consumption, Capitalism and Everyday Life." Presented at the Masteremne SUM4502.

———. 2021b. "Forbruk og endringer i hverdagslivet - på hvilke måter har nedstengingen forsterket eller endret husholdningers rutiner og vaner?" Presented at the Nedstengt! - Hvilken effekt har nedstengingen av samfunnet hatt på livet? Oslo Life Science-konferansen, Oslo, February 16. <https://www.uio.no/forskning/satsinger/livsvitenskap/oslo-life-science-konferansen/nedstengt/index.html>.

———. 2021c. "Pandemic Disruptions and Everyday Life: Consumption and Sustainability during (and after) Covid-19." Presented at the CET Virtual lunch seminar, Bergen/Zoom, December 8.

Hedne, Maren Holthe. 2021. "Hva vet vi om effekter av karbonprising gjennom arbeidsmarkedet?" Presented at the Include lunsjseminar: Kan klimapolitikken bli rettfærdig?

Hegsvold, Kirsten. 2021. "Doktorgradsprosjekt om byvekstvtaler/flernivåstyring." Presented at the Forskermøte WP3, November 9.

Hepsø, Marit. 2021a. "Forbud mot mineralolje til byggvarme i 2022." Presented at the Webinar: Oljeforbud på byggeplasser, hva nå?

———. 2021b. "Klimaomstilling i Troms og Finnmark." Presented at the Miniseminar for ordførere og kommunedirektører i Troms og Finnmark, September 15.

Holtsmark, Katinka. 2021. "Skal klimapolitikk være fordelingspolitikk?" Presented at the Include lunsjseminar: Kan klimapolitikken bli rettfærdig?

Holtsmark, Katinka Kristine. 2021. "Kan klimapolitikken bli rettfærdig?" Presented at the Include lunsjseminar, Online, August 21.

Hondsmerk, Cinta. 2021. "Erfaringer og perspektiver fra en klimaaktivist." Presented at the Include lunsjseminar: Unges klimaengasjement.

Inderberg, Tor Håkon Jackson. 2021a. "Energy systems in transition." Presented at the Masteremne SUM4502.

———. 2021b. "The Climate vs. the Environment Debate." Presented at the Guest Lecture NTNU, NTNU/ Dragvoll, March 11.

Presentations and dissemination

———. 2021c. “New Dimensions of Energy Poverty? Evolving Requirements for Household Electricity Consumer Flexibility.” Presented at the Engager Workshop, University of Stavanger, April 26.

———. 2021d. “‘Smarting up’ the Norwegian Electricity System: Developments so Far and Possible Implications for the Future System and Consumers.” Presented at the Inclusive digitalisation of urban mobility transitions in Norway? The Just Mobility Transitions Network (JUST-MOBNET), Stavanger/Online, April 26.

———. 2021e. “Storbritannias klimaomlegging: Gassens fremtidige rolle.” Presented at the Klimafrokost: Hvor fort kan EU fase ut gassen til fordel for fornybar energi? Klimastiftelsen, Online, May 12.

———. 2021f. “Presentasjon av status og arbeid i arbeidspakke 1, Include.” Presented at the Referansegruppemøte WP1 Include, Online, June 3.

———. 2021g. “Status og oversiktsbilde.” Presented at the WP1-møte, June 3.

———. 2021h. “Konsesjonsordningen for vindkraft: Hva skjedde og hvordan blir det?” Presented at the Arendalsuka, Arendal, August 18.

———. 2021i. “Response to Alexander Dunlap’s Presentation on Renewables Neo Colonialism.” Presented at the SUM seminar on Alexander Dunlap’s postdoc findings at SUM, Oslo, September 7.

———. 2021j. “Arbeidet i WP1 opp til nå og planer.” Presented at the Brukerpartnermøte Include, Tromsø, September 8.

———. 2021k. “Include WP1: Pågående arbeid og planer videre.” Presented at the Møte FME Include med Troms Kraft AS, Tromsø, September 9.

———. 2021l. “Sesjon 1: Tatt av vinden.” Presented at the Includes årskonferanse, Online, October 20.

Jäckle, Sebastian. 2021. “Carbon Footprint of Scientific Conferences: Comparing Physical, Hybrid and Online Conferences.” Presented at the Include lunch seminar: Academic flying and the means of communication.

Jacobsen, Rolf. 2021a. “Økolandsbyer, bærekraftige lokalsamfunn og eksperimentelle soner.” Presented at the Presentasjon på referansegruppemøte for WP2, WP3 og WP4.

———. 2021b. “Utfordringer i Tjøme sentrum.” Presented at the Utfordringer i Tjøme sentrum.

Johnsen, Anja. 2021. “Studieopplegg for Kortreist-prosjektet; kommentarer og innspill.” Presented at the Prosjekt møte Kortreist.

Jordhus-Lier, David. 2021a. “Greening Workplaces through Workers’ Agency? Decarbonising the World of Work.” Presented at the Masteremne SUM4502.

———. 2021b. “Klimaløsninger og handlingsalternativer i arbeidslivet.” Seminar presented at the CIENS Løsningsspils, Oslo, September 23.

———. 2021c. “Bør Fagbevegelsen Bry Seg Om Arbeideres Mobilitet Og Fleksibilitet, Og Er Det Egentlig et Klimaspørsmål?” Presented at the YS Frokostmøte, September 25.

Jørgensen, Torgeir. 2021. “Bidrar korona-krisepakken til rettferdig miljøomstilling?” Presented at the Include årskonferanse 2021.

Keil, Roger. 2021. “Spatialized Ecologies and Power in Place.” Presented at the Include lunch seminar: Spatialized ecologies and power in place.

Kinck, Christina. 2021. “Klimavennlig areal- og transportplanlegging.” Presented at the Seminar og workshop: Klimasats og andre støtteordninger for klimahandling, i regi av Viken fylkeskommune.

Kloosterman, Ernst. 2021. “Tromsø kommunes arbeid med klimabudsjett.” Presented at the Presentasjon på referansegruppemøte for WP2, WP3 og WP4.

Kolrud, Elisabeth, and Ulla Hahn. 2021. “Samarbeidet mellom Asker kommune og Future Built.” Presented at the Arbeidsverksted Vestre Billingstad.

Larsen, Espen. 2021a. “Idéverksted: Klimavennlig samfunnsutvikling.” Presented at the Klimakrønsj.

———. 2021b. “Klimapodcast 35: FNs bærekraftsmål og kommunenes klimaarbeid.” Presented at the Klimapodcast fra Miljødirektoratet.

Laupsa, Herdis. 2021a. “Fra Paris(avtalen) til Troms og Finnmark. Utslippene skal til null om noen tiår, hva må kommunene gjøre, og hva kan staten gjøre for kommunene?” Presented at the Klimasamling for kommunene i Troms og Finnmark.

Presentations and dissemination

———. 2021b. “Hva betyr det å jobbe helhetlig med klima i kommunen?” Presented at the Klimasamling for kommunene i Møre og Romsdal.

———. 2021c. “Utslippene skal til null om noen tiår, og samtidig fører nytt klima til mer risiko.” Presented at the Klimasamling for kommunene i Nordland.

Leikanger, Iris. 2021. “Co-Producing Local Sustainability? Norwegian Municipalities Suspended in Webs of Climate Collaboration.” Presented at the Update and progress WP3 and WP5, 24th June.

Lien, Marianne Elisabeth. 2021. “Comments to Keynote Speaker Tess Lea.” Presented at the Include Årskonferanse 2021, Online, October 20.

Lindberg, Marie Byskov. 2021. “Tysklands gassforbruk: Er gass bruteknologi eller neste til å fases ut etter kull?” Presented at the Klimafrokost: Hvor fort kan EU fase ut gassen til fordel for fornybar energi? Norsk Klimastiftelse Webinar, Online, May 12.

Lindberg, Marie Byskov, and Tor Håkon Jackson Inderberg. 2021. “Egenproduksjon av strøm i boligseksjoner.” Presented at the Lokale energisamfunn i Norge: Drivere og barrierer i Norge. CICERO Webinar, Online, June 2.

Lunde, Kjartan Alexander. 2021. “Regjeringens Klimaplan: Et Taktskifte i Norsk Klimapolitikk.” Presented at the Webinar: Klimameldingen, hva betyr den for kommunene?

Luque-Ayala, Andres. 2021. “Emerging Techno-Ecologies of the City: Revisiting the Urban Ecological Flow Through Algorithmic Assemblages.” Presented at the On-/Offline Interferences - Digitalisation and Socio-Spatial Transformations.

Matthiasen, Eivind Hjort. 2021. “Forbrukeres kapasitet til å være energifleksible.” Presented at the WP1-møte 3.juni.

McNeill, Desmond. 2021. “What Did Marx Have to Say: On Injustice, Consumption and Change.” Presented at the Masteremne SUM4502.

Moene, Kalle. 2021. “Hvorfor er rettferdighet viktig?” Presented at the Include lunsjseminar: Kan klimapolitikken bli rettferdig?

Næss-Holm, Inger. 2021. “Elektroniske produkter – fra overforbruk til reparasjon og ombruk.”

Nordby, Bjørn. 2021. “Planarbeidet for Vestre Billingstad.” Presented at the Arbeidsverksted Vestre Billingstad.

Normann, Susanne. 2021a. “Indigenous Peoples, Climate Change and Green Transition.” Presented at the Masteremne SUM4502.

———. 2021b. “Sørsamisk reindrift, vindkraft som grønn kolonialisme.” Presented at the Include lunsjseminar: Vindkraft; hvem bestemmer og hvem berøres.

———. 2021c. “Vindkraft og sør-samisk reindrift i det grønne skiftet.” Presented at the Include årskonferanse 2021.

Nymo, Tanya P. 2021. “Erfaringer med å involvere tillitsvalgte i klimaarbeid i kommunene.” Presented at the Include lunsjseminar: Partssamarbeidets rolle i klimakampen.

Pettersen, Tone Sejnæs. 2021. “Klimarisiko for kommunene.” Presented at the Webinar: Klimarisiko for kommunene.

Prescott, Jenny. 2021. “Norges «grønne» skifte som «bærekraftig»: Opplevelser blant grupper med nedsatt funksjonsevne.” Presented at the UiO:Energy summer research projects, October 27.

Rasmussen, Maria. 2021. “Medvirkning i byutvikling på Jessheim.” Presented at the Brukerpartnarmøte i Includes medvirkningsprosjekt, WP3.

Røe, Per Gunnar. 2021a. “Geographies and Spaces of Unequal Access.” Presented at the Masteremne SUM4502.

———. 2021b. “Prosjekter i WP2, Include.” Presented at the Referansegruppemøte WP2, WP3 og WP4, February 9.

———. 2021c. “Include: A Centre for Socially Inclusive Decarbonization and Energy Transition.” Presented at the DEMUDIG-seminar, TØI, Online, February 16.

———. 2021d. “Include - Inclusive Decarbonization and Energy Transition.” Presented at the Oslo Science City Workshop, Online, March 1.

———. 2021e. “Sosial inkludering i områdeutvikling.” Presented at the Arbeidsverksted om Vestre Billingstad, Online, April 16.

Presentations and dissemination

———. 2021f. “Suburban Green Mobility. Challenges, Potentials, Paradoxes.” Conference presented at the EURA 2021 Conference, Oslo, May 6.

———. 2021g. “Virkelig offentlige byrom.” Presented at the Prosjektmøte med brukerpartnere, Include WP2, Online, June 8.

———. 2021h. “Smart Mobility Suburbs” - Et tverrfaglig forskningsprosjekt finansiert av NFR-programmet EnergiX.” Presented at the SMS-workshop for brukerpartnere, Online, June 15.

———. 2021i. “Satellite Centralities and Communities. The Social Ambitions and Failures of Architecture in Oslo’s New Towns of 1950’s-1970’s.” Presented at the Urban Studies Foundation seminar series on Peripheral Centralities, Online, September 23.

Røe, Per Gunnar, Ole Smørdal, and Hege Westskog. 2021. “Includes prosjekter og rød tråd.” Seminar presented at the Referansegruppemøte i Include (WP2, WP3 og WP4), February 9.

Røe, Per Gunnar, and Kristian Tveiten. 2021. “Suburbanizing the Compact City Model: The Imagination of a Post-suburban Oslo Region.” Conference presented at the EURA 2021 Conference, Oslo, May 6.

Rognlien, Henriette. 2021. “Sentrumsplaner i Hurdal.” Presented at the Include årskonferanse 2021.

Sæle, Hanne, Marianne Aasen, and Karina Standal. 2021. “Norske husholdninger sine strømvaner og motivasjon for endret strømforbruk.” Presented at the Include Partnerforum 1/2021: Strømrbruk, energisamfunn og lading av elbiler i boligselskap, Online, December 7.

Sæther, Bjørnar. 2021. “Inclusive transitions in diverse geographies.” Presented at the Masteremne SUM4502.

Sævarsdottir, Margret, Marit Hovland, and Ole Smørdal. 2021. “‘SustainableFood’, a School-NGO Collaboration towards More Sustainable Food Consumption.” Presented at the EARLI 2021 Conference, Online, August 23.

Seim, Tomas. 2021. “Klimagassregnskap for kommuner og maler for å beregne klimaeffekt av tiltak.” Presented at the Klimasamling for kommunene i Møre og Romsdal.

Sheller, Mimi. 2021. “The End(s) of Academic Flying: An Itinerarium Vitae.” Presented at the Include lunch seminar: Academic flying and the means of communication.

Skauge, Anja Duun. 2021. “Hvorfor engasjerer unge seg i klimasaken.” Presented at the Include lunsjseminar: Unges klimaengasjement.

Skjærseth, Jon Birger. 2021a. “Participation in DNV’s Energy Transition Collaboration Network for the Production of the Fifth Edition of the Energy Transition Outlook.”

———. 2021b. “European Green Deal: Konsekvenser for klimapolitikk og klassifisering av bærekraftig finans.” Seminar presented at the EUs klassifiseringssystem for bærekraftig finans, Asplan Viak, Online, January 14.

———. 2021c. “EUs klimapolitikk mot netto-null i 2050: Hva skjer og hvordan påvirkes Norge?” Årsmøte presented at the Rådsmøte i Norsk klimastiftelse, Online, May 11.

———. 2021d. “The Long and Winding Road of EU Climate Policies: From Single Instruments to Policy Packages.” Guest Lecture presented at the European Green Deal - University of British Columbia, Online, May 11.

———. 2021e. “EUs nye klimapakke mot 2030: Hva skjer og hvordan påvirkes Norge?” Presented at the Arendalsuka, Arendal, August 17.

———. 2021f. “EUs Fit for 55 klimapakke og konsekvenser for Norge.” Workshop presented at the REMAP brukermøte, October 4.

———. 2021g. “EUs nye klimapakke, Norge og energiteknologier: Status og utsikter.” Presented at the Skagerak Energi Seminar, Online, November 10.

———. 2021h. “EUs Green Deal og klimaambisjoner: status, utsikter og konsekvenser for Norge.” Seminar presented at the Enable-seminaret, Oslo, December 2.

Smørdal, Ole. 2021. “Prosjekter i WP4, Include.” Presented at the Referansegruppemøte i Include (WP2, WP3 og WP4), February 9.

Solnørdal, Mette Talseth. 2021a. “Høring i Stortigets energi- og miljøkomité angående Meld. St. 13 (2020-2021) Klimaplan for 2021-2030.” Konferanse presented at the Åpen høring i Stortigets energi- og miljøkomité angående Meld. St. 13 (2020-2021) Klimaplan for 2021-2030, Online, February 2.

———. 2021b. “Drivers to Energy Efficiency in Manufacturing Firms.” Presented at the BEHAVE 2021 Conference, Online, April 21.

Presentations and dissemination

———. 2021c. “Klimanøytral utvikling - hvordan få det til i Tromsø?” Fagmesse presented at the Dark 2021 Design og arkitekturfestival. Lunsjdebatt, Tromsø, November 5.

Standal, Karina. 2021a. “Fleksibelt strømforbruk i husholdninger.” Seminar presented at the 1 million elbiler – hva skjer med strømmettet? Polyteknisk forening, Oslo, January 21. <https://www.polyteknisk.no/program/1-million-elbiler-hva-skjer-med-stromnettet/>.

———. 2021b. “Fleksibelt strømforbruk i husholdninger.” Presented at the 1 million elbiler – hva skjer med strømmettet? Polyteknisk forening, Oslo, January 21.

———. 2021c. “Gender in the Energy Transition.” Guest Lecture presented at the FROM ENERGY UNION TO THE GREEN DEAL - MA course OAFP 5725. Collège universitaire de Sciences Po, Paris, April 15.

Standal, Karina, and Siri Gloppen. 2021. “Klimakrisen i en urettferdig verden.” Conference presented at the Sampolkonferansen - Grenseløs ulikhet: Er verdenssamfunnet på bristepunktet, Bergen, September 24.

Stokstad, Sigrid. 2021a. “Peripheral Public Participation in Urban Decarbonization Processes.” Presented at the Update and progress WP3 and WP5, 24th June.

———. 2021b. “Sprikende lovgivning om arealbruk. Hvordan kan plan- og bygningsloven bli et bedre redskap for samordning?” Konferanse presented at the Naturrestaureringskonferansen. FNs tiår for restaurering 2021-2030. Miljødirektoratet og Norsk institutt for naturforskning, Trondheim/Online, January 18.

———. 2021c. “Fint for utbyggere, men hva med innbyggerne?” Presented at the Møte i Akershus Senterparti, Online, March 25.

Stokstad, Sigrid, Johanne Heen Enger, Tanja Winther, Pål Erik Olsen, and Bjørnar Sæther. 2021. “Møte med Lillestrøm kommune, Ullensaker kommune og Viken fylkeskommune i forbindelse med prosjekt Medvirkning og sommerstudie.” Presented at the Møte med partnere i Include, Oslo, November 2.

Stokstad, Sigrid, and Hege Westskog. 2021. “The Role of Municipalities in Achieving a Low Carbon Society?” Presented at the Include Master’s Course, Online, April 21.

Stoltenberg, Kirvil. 2021a. “Klimasats, slik kan kommunene i Troms og Finnmark få støtte til lokalt klimaarbeid i 2021.” Presented at the Klimasamling for kommunene i Troms og Finnmark.

———. 2021b. “Klimasats som virkemiddel for lokal klimaomstilling.” Presented at the r lokal klimaomstilling Include årskonferanse 2021.

Sundet, Øyvind. 2021a. “Barrierer og muligheter for redusert kjøttforbruk: erfaringer fra norske husholdninger.” Conference Presentation presented at the Includes årskonferanse 2021: Rettferdig omstilling – forskning møter praksis, Oslo, October 20.

———. 2021b. “Husholdningers respons på og holdninger til tiltak for fleksibel strømbruk: resultater fra dybdeintervjuer blant husholdninger i Tromsø og Porsgrunn.” Presented at the Include Partnerforum 1/21 Strømbruk, energisamfunn og lading av elbiler i boligselskap, Oslo, December 7.

Szulecki, Kacper. 2021a. “Energy justice & Energy democracy.” Presented at the Masteremne SUM4502.

———. 2021b. “Are Populists a Threat to Climate Action?” Guest Lecture presented at the Fringe Talk Series - University of Stavanger, Online, February 24.

———. 2021c. “The Ups and Downs of Inclusive Energy Governance: Participation, Panels and Populism.” Presented at the Energy Transition Week 2021 - NTNU, Trondheim/Online, April 26.

———. 2021d. “A Just Transition [Sprawiedliwa Transformacja].” Presented at the Debata Spiłcia - Krytyka Polityczna, Online, May 11. https://m.facebook.com/events/1095857590891127?active_tab=discussion.

Tennøy, Aud. 2021a. “Innspill til GrønNTP.” Presented at the Innspill til GrønNTP, workshop for folkevalgte, Online, January 17.

———. 2021b. “Deltakelse i debatt arrangert av NFR om bruk og misbruk av forskning.” Presented at the Debatt: Bruk og misbruk av forskning, Online, April 29.

———. 2021c. “Samordnet og strategisk areal- og transportplanlegging: Hvorfor, hva, hvordan?” Presented at the Urbanisme videreutdanningskurs - AHO, Online, June 4.

———. 2021d. “Oppstartsmøte med brukerpartnere i delprosjekt Byspredning, 9. juni 2021.” Presented at the Møte med brukerpartnere i delprosjekt Byspredning, Online, June 9.

———. 2021e. “Fysisk planlegging for aktiv transport.” Presented at the Folkehelsekonferansen 2021, Online, September 28.

Presentations and dissemination

———. 2021f. “Klimavennlige, attraktive og levende byer – krever fortetting og konsentrasjon.” Presented at the Implulsforelesning NMBU, Ås, October 21.

———. 2021g. “Byar og tettstader med klimavennleg transport, levande sentrum og gode bumiljø. Er dette draumen? Og korleis kjem vi dit?” Presented at the Innovasjonsfestivalen Åndalsnes, seminar om Attraktive byar og tettstader, Åndalsnes, November 10.

Tønnesen, Anders. 2021a. “The Coordination of Transport and Land-Use Development in Norwegian Urban Areas.” Presented at the Masteremne SUM4502.

———. 2021b. “Transport and public planning in the Norwegian context.” Guest Lecture presented at the Include Master’s Course, Online, April 21.

———. 2021c. “Kortreiste kretsløp - muligheter og dilemma.” Presented at the Sirkulærdagene, Online, May 26.

———. 2021d. “Socially Just Transitions in Smaller Municipalities.” Presented at the Update and progress WP3 and WP5, June 24.

———. 2021e. “Social Justice in the Transformation of Norwegian Urban Mobility.” Presented at the Nordic Energy Research Forum 21 september - Session 4: Sustainable Energy for all, Online, September 21.

———. 2021f. “Arealbruk – byutvikling og redusert privatbilisme.” Conference Presentation presented at the Forskningsdagene, Narvik, September 24.

———. 2021g. “Kommuner midt i klimakampen.” Presented at the Seminar v. Den britiske ambassaden, Oslo, October 14.

———. 2021h. “Integrative climate leadership in multilevel governance settings.” Conference Presentation presented at the Storbykonferansen, Oslo, October 28.

Tønnesen, Anders, and Hege Westskog. 2021a. “Kortreiste kretsløp - muligheter og dilemmaer.” Presented at the Sirkulære dager, May 26.

———. 2021b. “Kortreiste kretsløp - muligheter og dilemma.” Presented at the Kortreist Kvalitet Nettverksamling, June 7.

Torvanger, Asbjørn. 2021a. “Biofuels-studien.” Presented at the WP1-møte 3.juni.

———. 2021b. “Blir bioenergi frå skogen viktig?” Presented at the Kva betyr grøn omstilling av samfunnet for skogen vår? CIENS Seminar, Online, October 27.

Ursin, Marit. 2021. “Hvordan sørger vi for at unges klimastemmer bliver hørt?” Presented at the Include lunsjseminar: Unges klimaengasjement.

Vågerö, Oskar. 2021a. “Hvordan kan optimiseringsmodeller brukes for å muliggjøre sosialt rettferdige energisystem?” Presented at the Include årskonferanse 2021.

———. 2021b. “Integrering av sosiale faktorer i energi-modellering.” Presented at the WP1-møte 3.juni.

———. 2021c. “Organized and Presented at Workshop.” Presented at the Online Research Workshop on The Inclusion of Justice Perspectives in Energy Systems Modelling.

Vevatne, Jonas. 2021. “Utslippsfrie byggeplasser Erfaringer fra Asker kommune.” Presented at the Webinar: Oljeforbud på byggeplasser, hva nå?

Westskog, Hege. 2021a. “What Is the Role of Municipalities in Achieving a Low Carbon Society?” Presented at the Masteremne SUM4502.

———. 2021b. “Prosjekter i WP3, Include.” Presented at the Referansegruppemøte i Include (WP2, WP3 og WP4), February 9.

———. 2021c. “Kortreist-prosjektet.” Presented at the Kortreist - prosjekt referansegruppemøte, March 3.

———. 2021d. “Lillestrøms klimastrategi i et omstillingsperspektiv.” Presented at the Innspillseminar Lillestrøms klimastrategi, March 22.

———. 2021e. “Hvordan nå utslippsmålene sine? Er det så enkelt som 60% reduksjon?” Presented at the Seminar med Skien kommune, September 28.

Wethal, Ulrikke. 2021a. “Boundary traffic in the home-as-office.” Presented at the Grenser – Vinterseminar i samfunnsgeografi 2021, UiO, Online, March 10.

———. 2021b. “Reworking Boundaries in the Home-as-Office: Boundary Traffic during Covid-19 Lockdown and the Future of Working from Home.” Presented at the ESA Conference, Online, August 31.

Presentations and dissemination

———. 2021c. “Bærekraftig forbruk – hvilken rolle kan lokale initiativer spille?” Presented at the Includes årskonferanse 2021: Rettferdig omstilling – forskning møter praksis, Online, October 20.

———. 2021d. “OMigjen Asker - Innsikt fra intervjudata.” Presented at the Prosjektmøte, presentasjon av innsiktsfunn - Asker kommune, OMigjen, Online, November 2.

———. 2021e. “Bærekraftig forbruk – hvilken rolle kan og bør kommunen spille?” Presented at the Include WP3 seminar, Oslo, November 9.

Wikstrøm, Ragnhild Dahl, and Per Gunnar Røe. 2021. “Sustainable Mobility Transitions in Suburbia - (Dis) Connections between Transport Planning and Daily Mobilities.” Conference Presentation presented at the EURA 2021 Conference, May 6.

Winther, Tanja. 2021a. “Introduction.” Presented at the Masteremne SUM4502.

———. 2021b. “Why Socially Inclusive Energy Transition?” Presented at the Masteremne SUM4502.

———. 2021c. “Synergimøte Include - COJUST/NTRANS.” Presented at the Synergimøte Include - COJUST/NTRANS, Online, March 15.

———. 2021d. “Møte med Lyse Kraft.” Presented at the Møte mellom Include/Flexeffect og Lyse Kraft, Online, April 12.

———. 2021e. “Skisse til intervjuguide i fbm Ledes pilot for utprøving av ny modell for nettleie.” Presented at the Møte i ForTa-gruppen, SINTEF Energi, Online, April 27.

———. 2021f. “Socially Just Energy Transition.” Guest Lecture presented at the NorRen Summer School (PhD school), Bergen, August 17. <https://www.nordicenergy.org/article/nordic-energy-research-forum-2021/>.

———. 2021g. “A Socially Just Energy Transition.” Presented at the Nordic Energy Research Forum 2021, Panel: Sustainable Energy for All, Online, September 21.

———. 2021h. “Hvorfor Include?” Conference Presentation presented at the Include Årskonferanse 2021, Online, October 20.

———. 2021i. “Socially Inclusive Transitions.” Guest Lecture presented at the MA-programme Energy and society, course Contexts and challenges, Durham University, Durham/Online, October 28.

———. 2021j. “Deltakelse i paneldebatt om innhold til FN's kommende utviklingsrapport.” Presented at the 2021-2022 Human Development Report Consultation in partnership with Norad: Transformation Uncertainties, Oslo/Online, November 11.

Winther, Tanja, Tor Håkon Jackson Inderberg, Per Gunnar Røe, and Ole Smørdal. 2021. “Møte med rep. fra Energi- og vassdragsavdelingen i Olje- og energidepartementet (OED).” Presented at the Include-møte med forvaltning, Oslo, November 17.

Winther, Tanja, Tor Håkon Jackson Inderberg, Ole Smørdal, Hege Westskog, and Erik Berge. 2021. “Møte med Include-partner Troms og Finnmark fylkeskommune.” Partner Meeting presented at the Møte med Include-partner Troms og Finnmark fylkeskommune, Online, September 29.

Winther, Tanja, Tor Håkon Jackson Inderberg, Mette Talseth Solnørdal, and Elin Anita Nilsen. 2021. “Include - Fellesmøte med partnere i Tromsø.” Partner Meeting presented at the Include - Fellesmøte med partnere i Tromsø, Tromsø, September 8.

Winther, Tanja, Tor Håkon Jackson Inderberg, and Øyvind Sundet. 2021. “Møte med Troms Kraft.” Partner Meeting presented at the Møte med partner i Include, Tromsø, September 9.

Winther, Tanja, David Jordhus-Lier, and Hege Westskog. 2021. “Presentasjon av Include.” Presented at the Møte mellom NITO og Include, Online, April 26.

Winther, Tanja, and Per Gunnar Røe. 2021a. “Innspill til Oslo Science City (mars, april, mai).” Presented at the Oslo Science City Workshop, Online, February 2.

———. 2021b. “Møte med Include-partner A-lab.” Presented at the Partner-møte A-lab, Online, September 23.

Winther, Tanja, Per Gunnar Røe, Hege Westskog, Ole Smørdal, and Erik Berge. 2021. “Møte med Seksjon for innovasjon, samspill og instituttpolitikk, Avdeling for høyere utdanning, forskning og internasjonalt arbeid, Kunnskapsdepartementet (KD).” Presented at the Include-møte med KD, Oslo, November 10.

Winther, Tanja, Hege Westskog, and Iris Leikanger. 2021. “Arbeid med videreutvikling av maler for Midtveisrapportering.” Presented at the Møte NTRANS-Include, Online, September 17.

Presentations and dissemination

2020

Andersen, May Kristine, Jeta Andreassen, Anne Catherine Ekroll, Grethe Frank Strand, Christine Haakstad, and Maria Rasmussen. 2020. "Byutvikling på Jessheim." Presented at the Course for students of landscape architecture, NMBU, Ås, Norway, September 7.

Andreassen, Jeta. 2020. "Byliv på Jessheim." Presented at the Utvikling av gode byrom - Ullensaker bibliotek, Ullensaker, Norway, February 17.

Bjørklund, Kjetil. 2020. "Kortreist Kvalitetssatsingen." Presented at the Referansegruppemøte for Kortreist-prosjektet, Include.

Blyverket, Inger Lise. 2020. "Så enkelt at Bly forstår." Presented at the Includes kommunikasjonsseminar.

Böcker, Lars, Katinka Kristine Holtmark, and Tanja Winther. 2020. "Bærekraftige bilavgifter 2025 - innspill fra enkeltforskere tilknyttet INCLUDE til Finansdepartementet."

Böcker, Lars, and Per Gunnar Røe. 2020. "Inclusive Urban Epidemic Resilience: Investigating and Mitigating Uneven COVID-19 Impacts on Mobility, Health and Wellbeing." Presented at the Storbykonferansen 2020, October 28.

Departementene. 2020. "Handlingsplan fysisk aktivitet 2020-2029. Sammen om aktive liv. I-1196 B." Departementene.

Engeseth, Nora, and Martin Sortland Eick. 2020. "Byutvikling - hvordan kombinere sosial og miljømessig bærekraft." Presented at the Spires vinterseminar, Oslo, Norway, February 22.

Foss, Lene. 2020. "Relevance of the PhD Project-Responsibility and Stakeholders." Presented at the Kappaseminar.

Foss, Lene, and Mette Solnørdal. 2020. "Masteroppgave med FME Include." Presented at the Presentasjon for studenter ved UiT.

Gulbrandsen, Lars. 2020a. "Miljøhensyn og medvirkning i vindkraftsaker." Presented at the Seminar ved Norges Naturvernforbund, Oslo, Norway, January 15.

———. 2020b. "Synspunkter på stortingsmeldingen Vindkraft på land - Endringer i konsesjonsbehandlingen (Meld. St. 28 (2019-2020))." Presented at the Lytttemøte om vindkraft, Arbeiderpartiets energi- og miljøfraksjon, Stortinget, Oslo, Norway, September 23.

Hammer, Ragnhild. 2020. "Sertifisering av bærekraftig reiseliv." Presented at the Referansegruppemøte i Kortreist-prosjektet, Include.

Hirsch, Cecilie, and H. Sollie. 2020. "Oslo kommune og Include." Presented at the Workshop Include, Oslo, Norway.

Huber, Robert, Stefan Cetkovic, Tomas Maltby, and Kacper Szulecki. 2020. "Is Populism a Challenge to European Energy and Climate Policy? Unpacking the Causal Links and Empirical Evidence." Conference Presentation presented at the ECPR General Conference, Innsbruck (Online), August 24.

Jevnaker, Torbjørg. 2020. "Hva er formålet med fjerde energimarkedspakke?" Presented at the EUs fjerde energimarkedspakke - SVs Stortingsgruppe, Oslo, Norway, January 13.

Jordhus-Lier, David. 2020a. "Appell." Presented at the Arbeidslivets klimauke, Kick-off Frokostseminar, February 3.

———. 2020b. "Klimaengasjement i fagbevegelsen." Presented at the Broer til framtiden - Norske fagforeninger, miljøorganisasjoner og kirkesamfunn, Oslo, Norway, February 28.

———. 2020c. "Hvorfor er ikke lærerne i klimastreik?" Presented at the Bærekraftig arbeidsliv og grønn tariff, Utdanningsforbundet, Online, August 24.

———. 2020d. "Pedagoger i en særstilling? Bærekraft på arbeidsplassen." Presented at the FIKS Webinar: Tverrfaglighet - bærekraftig utvikling, Online, September 21.

Jordhus-Lier, David, and Frida Hambro Angell. 2020. "Fagbevegelsen og klimakamp: Hvilken rolle spiller fagbevegelsens og de tillitsvalgte?" Presented at the Bibliotekarforbundets landsmøte, October 20.

Lindberg, Marie Byskov. 2020a. "Market Design as Enabler of Sustainability Transitions? A Comparison of the German and the Nordic Electricity Market." Presented at the International Sustainability Transitions Conference 2020 (IST2020), Vienna, Austria, August 18.

Presentations and dissemination

———. 2020b. "EUs klimapolitikk: Interne dragkamper og internasjonal posisjonering." Presented at the UD aspirantenes fagdager, Oslo, Norway, September 28.

Lindberg, Marie Byskov, and Per Ove Eikeland.

2020. "System Costs or Subsidy Costs? Market Design Effects in Advanced Energy Transitions." Presented at the European Consortium for Political Research (ECPR) General Conference 2020, August 24.

Miljødirektoratet. 2020a. "Klimabudsjett." <https://www.miljodirektoratet.no/myndigheter/klimaarbeid/kutte-utslipp-av-klimagasser/klima-og-energitiltak/klimabudsjett/>.

———. 2020b. "Kollektivtransport som klimatilak i tettsteder." Webinar, August 25.

Olsen, Pål Erik. 2020. "Brukerpartneres rolle i forskning." Presented at the Public Spaces in the Inclusive City - Oslo Urban Arena 2020, Oslo, Norway, October 9.

Rødje, Julie. 2020a. "Hvordan ivareta sosial rettferdighet i klimapolitikken?" Presented at the Møte i Natur og ungdom Dovre, January 8.

———. 2020b. "Hvordan sikre sosialt rettferdig klimapolitikk." Presented at the Møte i Sosialistisk ungdom Vestfold og Telemark, May 9.

———. 2020c. "Spire og eksterne samarbeid." Presented at the Styremøte Spire, August 23.

———. 2020d. "Hvordan sikre sosialt rettferdig klimapolitikk." Presented at the Møte i Sosialistisk ungdoms miljøutvalg, October 17.

Rødje, Julie, and Nora Engeseth. 2020. "Folkets matsystem." Presented at the Nettverksmøter for organisasjoner om sosialt og miljømessig matsystem.

Røe, Per Gunnar. 2020a. "Include - A Centre for Socially Inclusive Solutions through Co-Creation with Stakeholders." Presented at the Sustainable Development Goals Conference, February 6.

———. 2020b. "Sosiale implikasjoner av regional plan for Oslo og Akershus (eller av post-suburban planlegging)." Presented at the Nasjonal masterklasse - Forum for utdanning i samfunnsplanlegging, Oslo, Norway, February 26.

———. 2020c. "Include: A Centre for Socially Inclusive Decarbonization and Energy Transition." Presented at the Research seminar, May 6.

———. 2020d. "Include. Inclusive Public Spaces." Presented at the Oslo Urban Arena, September 11.

———. 2020e. "Include. Inclusive Decarbonization and Energy Transition." Presented at the Presentasjon for ansatte i a-lab arkitekter, September 18.

———. 2020f. "Include - steder i endring." Presented at the Møte med brukerpartner Aspelin Ramm, October 26.

———. 2020g. "Hvordan kan bærekraftig byutvikling bli sosialt inkluderende?" Presented at the Frokostmøte om sosial bærekraft, November 10.

Røe, Per Gunnar, and Sigrid Stokstad. 2020. "Inkluderende by- og regional utvikling. Hvordan kan omstillingen til lavutslippssamfunnet være sosialt inkluderende?" Presented at the Storbykonferansen, sesjon om inkluderende by- og regional utvikling, October 29.

Rognlien, Henriette. 2020. "Inkludering av innbyggere i utbyggingsprosjekter." Presented at the Includes kommunikasjonsseminar, Online.

Rognlien, Hilde, and Amalie Hilde. 2020. "Verksted: Boligpolitikk." Presented at the Globaliseringskonferansen 2020, May 9.

Sæle, Hanne, and Marianne Aasen. 2020. "Foreløpige resultater fra spørreundersøkelse blant norske husholdninger: oppfatninger og holdninger til ny nettleie." Presented at the Prosjektseminar med brukerpartnere, Include, Online, November 27.

Sævarsdottir, Margret, Marit Hovland, and Ole Smørdal. 2020. "Matvinn - samarbeid mellom frivillige og skolen om bærekraft." Presented at the Nettverkssamling - Nasjonalt forskernettverk for bærekraft og utdanning, October 21.

Skjærseth, Jon Birger. 2020a. "Innspill til DNV-GLs 2030 Energy Outlook."

———. 2020b. "Grønn, grå eller ingen Deal? EUs klima/energipolitikk og konsekvenser for Norge i krisetider." Presented at the CICERO Prosjekt-workshop, Online, May 14.

———. 2020c. "Green, Grey or No Deal? EU Climate and Energy Policies." Presented at the FNI Workshop, Online, May 15.

Presentations and dissemination

———. 2020d. “EUs Green Deal og konsekvenser for Norge.” Presented at the NMBU-Fakultetet for Miljøvitenskap og Naturforvaltning, Online, May 29.

———. 2020e. “European Green Deal and Consequences for Climate Policy.” Presented at the NUPI Seminar, June 24.

———. 2020f. “EUs Green Deal og havvind.” Presented at the CICERO Prosjekt-workshop, Online, November 5.

———. 2020g. “EUs håndtering av karbonlekkasje: status og utsikter.” Presented at the Seminar Norsk Forening for Energiøkonomi, Online, November 23.

———. 2020h. “European Green Deal: Konsekvenser for klimapolitikken i EU og Norge.” Seminar presented at the Seminar Mellomkirkelig råd, Online, December 3.

———. 2020i. “European Green Deal: Konsekvenser for klimapolitikk og Parisavtalen.” Seminar presented at the Seminar Naturvernforbundet, Online, December 9.

Smørødal, Ole. 2020. “Bærekraft i fagfornyelsen.” Presented at the CICERO-seminar, Oslo, Norway, February 12.

Solnørødal, Mette Talseth. 2021. “Høring i Stortigets energi- og miljøkomité angående Meld. St. 13 (2020-2021) Klimaplan for 2021-2030.” Konferanse presented at the Åpen høring i Stortigets energi- og miljøkomité angående Meld. St. 13 (2020-2021) Klimaplan for 2021-2030, Online, February 2.

Standal, Karina. 2020a. “Gender Perspectives on the Global Energy Transition.” Presented at the Energy Innovation: How to deliver on the European Green Deal - L'innovation energetique; au service du pacte vert Europeen, January 17.

———. 2020b. “Likestilling og kjønnsperspektiver på klima og energiomstilling.” Presented at the Foredrag for Kvinneutvalget i Nei til EU, Oslo, Norway, January 28.

———. 2020c. “Kjønnsperspektiver på energiomstilling.” Presented at the Håp gjennom handling i klimakrisens tid - Multiconsult, October 7.

———. 2020d. “Flexeffect prosjektet: Tiltak for fleksibelt strømforbruk i husholdninger.” Presented at the Referansegruppemøte Include WP1, Online, November 27.

Stokstad, Sigrid. 2020a. “Hvem har ansvaret for overgang til lavutslippssamfunnet, og hvilke interesser ivaretas på veien?” Presented at the Masterklasse 2020 om sosialt bærekraftig planlegging, February 25.

———. 2020b. “The Role of Municipalities in Achieving a Low Carbon Society?” Presented at the Master's lecture at SUM, UiO, Oslo, Norway, May 27.

Szulecki, Kacper. 2020a. “The Chernobyl Effect - Anti-Nuclear Protest and the Forging of Poland's Democracy 1986-1990.” Presented at the Oslo School of Environmental Humanities Seminar, May 26.

———. 2020b. “Making Just Transitions Possible: It's Identity, Stupid!” Presented at the Das Progressive Zentrum Seminar, June 20.

———. 2020c. “Czy musimy zatrzymać wzrost? Od pandemii do zielonego ładu.” Presented at the Kultura Liberalna, August 6. https://www.youtube.com/watch?v=xch-p7eJtzZE&ab_channel=KulturaLiberalna.

———. 2020d. “The Spaces for Freedom: Pandemic, the Climate Crisis and a Green Liberalism for the 21st Century.” Presented at the Warsaw European Forum, October 20.

———. 2020e. “The Chernobyl Effect: Anti-Nuclear Protest and the Forging of Poland's Democracy.” Presented at the ASEEES 2020 VIRTUAL CONVENTION, Online, November 5.

———. 2020f. “Sprawiedliwa transformacja Gornego Slaska.” Presented at the BioMasto Seminar, Online, November 17.

———. 2020g. “Poland: Developing Renewables in a Land of Coal.” Presented at the A carbon-free future for Russia. What will it be? Russian Renewable Energy Association, Moscow, November 25. <https://bellona.ru/2020/11/26/bezuglerodnoe-budushhee-rossii/>.

———. 2020h. “Conspiracy Theories and the Energy Transition: Russian Oil Conspiracies, the Blackout Myth, and Governance through Fear.” Presented at the Social innovation in the energy transition - TU Delft, Delft, December 4. <https://www.tudelft.nl/siet/events/conspiracy-theories-and-the-energy-transition/>.

Szulecki, Kacper and Øverland, Indra. 2020. “Energy Democracy and Its Limits.” Presented at the ECPR General Conference 2020, August 24.

Presentations and dissemination

Tønnesen, Anders. 2020a. "Byvekstavtaler: Hvordan skape aksept for omstillingstiltak som berører flere styringsnivåer?" Presented at the Inkluderende energiomstilling: temaer, perspektiver og erfaringer fra tidligere forskning. CIENS frokostseminar, Oslo, Norway, January 29.

———. 2020b. "Transport and Public Planning in the Norwegian Context." Presented at the UiO Forelesning, May 27.

———. 2020c. "Nullvekstmål og byvekstavtaler i det grønne skiftet." Presented at the CIENS løsningspils, September 19.

———. 2020d. "Sosial rettferdighet i det grønne skiftet." Presented at the KLP kommunenes klimakonferanse, October 27.

Tønneson, Johan. 2020. "Klart språk behøver ikke være enstemmig." Presented at the Includes kommunikasjonsseminar.

Tveiten, Line. 2020. "Lokalmatsatsing i Oslo kommune." Presented at the Referansegruppemøte prosjekt Kortreist i Include.

Westskog, Hege. 2020a. "Omstilling til lavutslippssamfunnet - hva og hvordan." Presented at the Høringswebinar regional plan Vestfold og Telemark Fylkeskommune, Online, August 21.

———. 2020b. "Prosjekt delingsøkonomi." Presented at the Styringsgruppemøte porteføljestyret NFR, September 16.

———. 2020c. "Omstilling til lavutslippssamfunnet. Hva, hvem og hvordan?" Presented at the Klimakonferanse, Innlandet, October 14.

———. 2020d. "Kortreiste kretsløp - bakgrunn og muligheter." Presented at the Referansegruppemøte prosjekt Kortreist - Include, November 4.

———. 2020e. "Kortreist Kvalitet - et rammeverk for bærekraftig omstilling." Presented at the Kortreist Kvalitet Nettverkssamling, November 9.

———. 2020f. "Kommunen som endringsaktør i klimaarbeidet." Presented at the Kurs for Utdanningsforbundets klimakontakter, November 10.

Westskog, Hege, and Helene Amundsen. 2020. "Byvekstavtaler - muligheter og utfordringer." Presented at the Presentasjon for Alver kommune, January 29.

Wethal, Ulrikke, Arve Hansen, and Johannes Volden. 2020. "Everyday Life in a Pandemic. Endringer i Sosiale Praktiser: Tilpasning, Eksperimentering Og Bærekraft." Presented at the Storbykonferansen 2020, October 28.

Winther, Tanja. 2020a. "Dialogmøte med OED om Include." Presented at the Dialogmøte Olje- og Energidepartementet, January 8.

———. 2020b. "Forskningssenteret Include: Det rasjonale, planer og potensielle utfordringer." Presented at the Inkluderende energiomstilling: temaer, perspektiver og erfaringer fra tidligere forskning, Oslo, Norway, January 29.

———. 2020c. "Frokostseminar - Inkluderende energiomstilling: temaer, perspektiver og erfaringer fra tidligere forskning." Presented at the CIENS Frokostseminar - Inkluderende energiomstilling: temaer, perspektiver og erfaringer fra tidligere forskning, January 29.

———. 2020d. "Innspill til nytt Olje for utvikling." Presented at the Norad. Idemyldring rundt nytt Ofu, May 19.

———. 2020e. "Dialogmøte med Utdanningsforbundet." August 21.

———. 2020f. "Include - Forskningscenter for sosialt inkluderende omstilling." Presented at the Presentasjon for ledergruppen Viken fylkeskommune, September 18.

———. 2020g. "Equitable Energy Transition." Presented at the Oslo Launch: The 2020 Report of the Lancet Countdown on Health and Climate Change, December 4.

Winther, Tanja, Karina Standal, Kacper Szulecki, and Simone Abram. 2020. "How to Achieve a Socially Inclusive and Just Transition to a Low-Carbon Society? Innspill Til Kunnskapsdepartementet Fra Include-Forskere."

Winther, Tanja, Hege Westskog, Tor Håkon Jackson Inderberg, Per Gunnar Røe, and Ole Smørdal. 2020. "Møte Med 22 Brukerpartnere Include." May 19.

Presentations and dissemination

2019

Abram, Simone. 2019. "Decolonising Energy Transitions." Presented at the UiO:Energy Forum 2019, Oslo, Norway, November 27.

Böcker, Lars. 2019a. "Byen, miljø og trivsel: Byen som metabolisme. Fortetting - bilfritt - trivelig?" Konferanse presented at the Bærekraftig byutvikling i miljøhovedstaden Oslo: Lykke og liv i byen - Klimakamp eller trivsel? Begge deler!, Oslo, Norway, October 10.

———. 2019b. "The Dynamics of Urban Metabolism in the Face of Digitalisation and Changing Lifestyles." Conference presented at the UiO:Energy Forum 2019, Oslo, Norway, November 27.

Bridge, Gavin, and Tanja Winther. 2019. "Opening Remarks: The Role of Energy and Infrastructure in Reaching Social, Environmental and Economic Development." Presented at the What Works 2019: Bridging research and policy on sustainable development, Oslo, Norway, October 14.

Ericson, Torgeir. 2019. "Problemstillinger fra NVEs perspektiv." Presented at the Workshop Include, Oslo, Norway.

Folvik, Kjersti. 2019. "Kjeller Flyplass." Presented at the Workshop Include.

Gulbrandsen, Lars. 2020. "Synspunkter på storting-smeldingen Vindkraft på land - Endringer i konsesjonsbehandlingen (Meld. St. 28 (2019-2020))." Presented at the Lyttemøte om vindkraft, Arbeiderpartiets energi- og miljøfraksjon, Stortinget, Oslo, Norway, September 23.

Hansen, Arve. 2019. "Berekraftig forbruk i byen: Byrom og kvardagskonsum." Presented at the Lykke og liv i byen - Klimakamp eller trivsel? Begge deler!, October 10.

Hansen, Arve, Kacper Szulecki, and Tanja Winther. 2019. "The Role of Energy and Infrastructure in Reaching Social, Environmental and Economic Development." Panel discussion presented at the What works? Bridging Research and Policy on Sustainable Development, Oslo, Norway, October 14.

Hepsø, Marit. 2019. "Miljødirektoratets forskningsbehov." Presented at the Workshop Include, Oslo, Norway.

Hovdal, Solveig Børve. 2019. "Inkluderende planprosesser." Presented at the Workshop Include, Oslo, Norway.

Inderberg, Tor Håkon Jackson. 2019a. "FLEXEFECT i FME INCLUDE - integrasjon og arbeidsdeling." Presented at the FLEXEFECT kick-off møte, Oslo, Norway, September 9.

———. 2019b. "The Institute Sector's Research on Sustainability: Perspectives from The Fridtjof Nansen Institute." Presented at the Workshop NTNU Bærekraft, Oslo, Norway, November 21.

———. 2019c. "The Need for Justice Perspectives in the Norwegian Energy Transition." Presented at the UiO:Energi Energiforum 2019, November 27.

Jenkins, Kirsten, and Tanja Winther. 2019. "Energy Justice – Promises and Limitations of a Novel Concept." Presented at the UiO:Energy Forum 2019, Oslo, Norway, November 27.

Johnsen, Anja. 2019. "Tromsø kommunes perspektiver for Include." Presented at the Workshop Include, Oslo, Norway.

Norby, Bjørn. 2019. "Klimasatsing i Asker." Presented at the Workshop Include, Oslo, Norway.

Røe, Per Gunnar. 2019. "Energy Spaces and Flows." Presented at the Workshop med brukerpartnere i Include-senteret, November 28.

Standal, Karina. 2019. "Andelslandbruk og bærekraftig deling." Presented at the Nettverkssamling Økologisk Norge, November 15.

Stokstad, Sigrid. 2019. "Hva er kommunenes formelle ansvar for det grønne skiftet?" Presented at the Møte i Polyteknisk forening, December 4.

Strandskog, Andreas. 2019. "Forbrukerrådets perspektiver på WP1." Presented at the Workshop Include, Oslo, Norway.

Szulecki, Kacper. 2019. "Participant in the Panel 'PROSUMERS: Challenges and Opportunities in the Energy Transition.'" Presented at the Sustainable Energy Week, June 18.

Presentations and dissemination

Tønnesen, Anders. 2019a. "Byområdene i NTP og rammeverk for byveksttaler." Presented at the NTP-konferansen, November 25.

———. 2019b. "Creating Public Acceptance for Multilevel Cooperation in Green Transitions Oslo and Gothenburg." Presented at the UiO:Energy Forum, Oslo, Norway, November 27.

West, Jennifer Joy. 2019. "Addressing the Existential Threats of Climate Change." Presented at the 11th Annual Bergen Educational Conversation: Meeting the Challenges of Existential Risks through Educational Innovation, November 1.

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