

# NTRANS User Case 1

Local transformation of  
the low-carbon society

**Pilot: From climate plans to  
actions**

NTRANS Annual Conference 2020

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# UC1: Local transformation of the low-carbon society

- **User Case:** Cooperation between researchers and user partners to facilitate knowledge transfers in both directions and create new knowledge.
- **UC1:** Enabling a transition to a low-carbon society with a focus on local initiatives and how these fit with national solutions.
- **Leaders:** Pernille Seljom (IFE) and Marius Korsnes (NTNU-KULT)
- **Pilots:**
  - Pilot 1: Value of local flexibility
  - **Pilot 2: From climate plans to actions**
- **Academic partners:** SINTEF Energi, Sintef Industri, NTNU-KULT, NTNU-PSY, NHH, IFE, UiO/TIK, NTNU-Indøk and NTNU-IndEcol
- **User partners:** Statsbygg, Oslo, Bergen, Trondheim, Trøndelag FK, Vestland FK, Energi Norge, Enova, eSMART Systems, NODES, Becour and MDIR.
- **FMEs:** ZEN, MoZEES, Cineldi

# What is a «Research Sprint»?

- Deliverable of a pilot
- A «concentrated», interdisciplinary collaboration format between researchers and user partners
- Approx. six month duration:
  - Focussed on topic
  - Different gathering- and collaboration ways across disciplines
- Continuous dialogue and reporting
- Final event where a 3-4p policy brief is presented

## Forskningssprinten er i gang!

– Forskningssprint? Hva er det, egentlig? Ser du for deg svette forskere som løper fort i flokk ...?



Illustrasjonsfoto: Colourbox

Forskningssprint er et helt nytt fenomen. En ny arbeidsmetode forskerne våre bruker for å komme forttere til målet. Og da er det ikke en fysisk målstrek med banner over vi snakker om ...

– I forskningssprinten jobber vi forskere tett sammen med partnere i næringsliv og forvaltning for å løse oppgaver i fellesskap, sier forsker [Marius Korsnes](#).

<https://www.ntnu.no/ntrans/forskningssprinten-er-i-gang>



## Klimakur 2030

Har utredet ulike tiltak og virkemidler som kan gi minst 50 prosent reduksjon i ikke-kvotepliktige utslipp i 2030 sammenlignet med 2005.

[Se mer om Klimakur 2030 hos Miljødirektoratet](#)



## Forskningsinstitusjoner i sprinten

- UiO - TIK, Senter for teknologi, innovasjon og kultur
- Sintef Industri
- Sintef Energi
- IFE - Institutt for energiteknikk
- NTNU - IØT, Institutt for industriell økonomi og teknologiledelse
- NTNU - PSY, Institutt for psykologi

# How have we proceeded?

## Step 1:

- Finding topic of Research Sprint:
- Kick-off March 18, 2020

## Step 2:

- Deciding topic, and discussing with partners if they agree: May 12, 2020

## Step 3:

- Coordinating and producing the research: September 24

## Step 4:

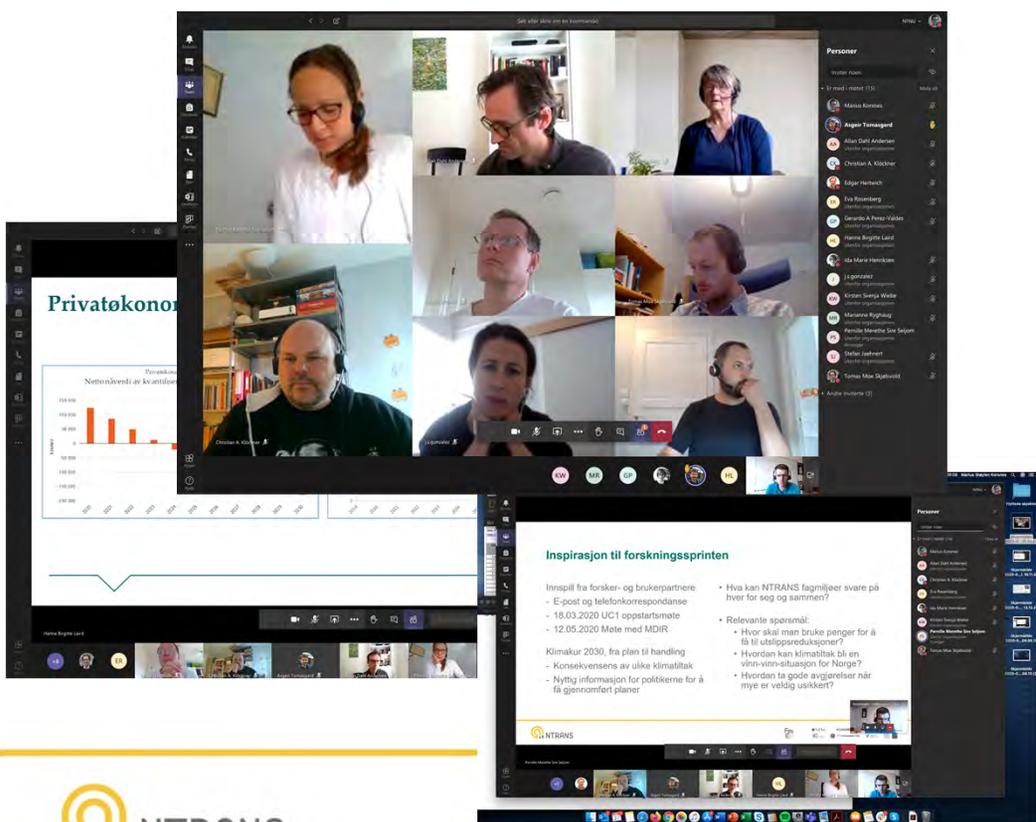
- Formulating and publishing Policy Brief: November 16

## Step 5:

- Evaluation of the process

- NTRANS partner gathering, 25. September 2019 (UC1)
- NTRANS opening conference, 25. October 2019 (UC1)
- NTRANS research seminar, 9. December 2019 (UC1)
- Telephone interviews with user partners, December 2019 (UC1)
- NTRANS partner seminar, Gardermoen, 8. January 2020 (UC1)
- UC1 pilot 2 start-up meeting, 18. mars 2020
- UC1 pilot 2 meeting with MDIR, 12. May 2020
- UC1 pilot 2 research partner meeting, 27. May 2020
- UC1 pilot 2, research contributions from research partners, 19. June 2020
- UC1 pilot 2, user partner meeting, 1. July 2020
- UC1 pilot 2: Ask research partners to provide input, 13 August 2020
- UC1 pilot 2: Feedback received, September 24, 2020.
- UC1 pilot 2: Formulated first draft Policy Brief, October 30, 2020
- UC1 pilot 2: Getting feedback from user partners, November 2, 2020
- UC1 pilot 2: Final version, design and publishing of Policy Brief, November 13, 2020

# Snapshot and «live» reporting



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# Concretizing pilot 2: From climate plans to actions

Topics discussed at the kick-off meeting in March:

## 1. Klimakur 2030

- Political instruments
- Role of municipalities

## 2. Building sector

- Public and private cooperation
- Purchase agreements
- Cooperation with ZEN

## 3. Corona and green growth

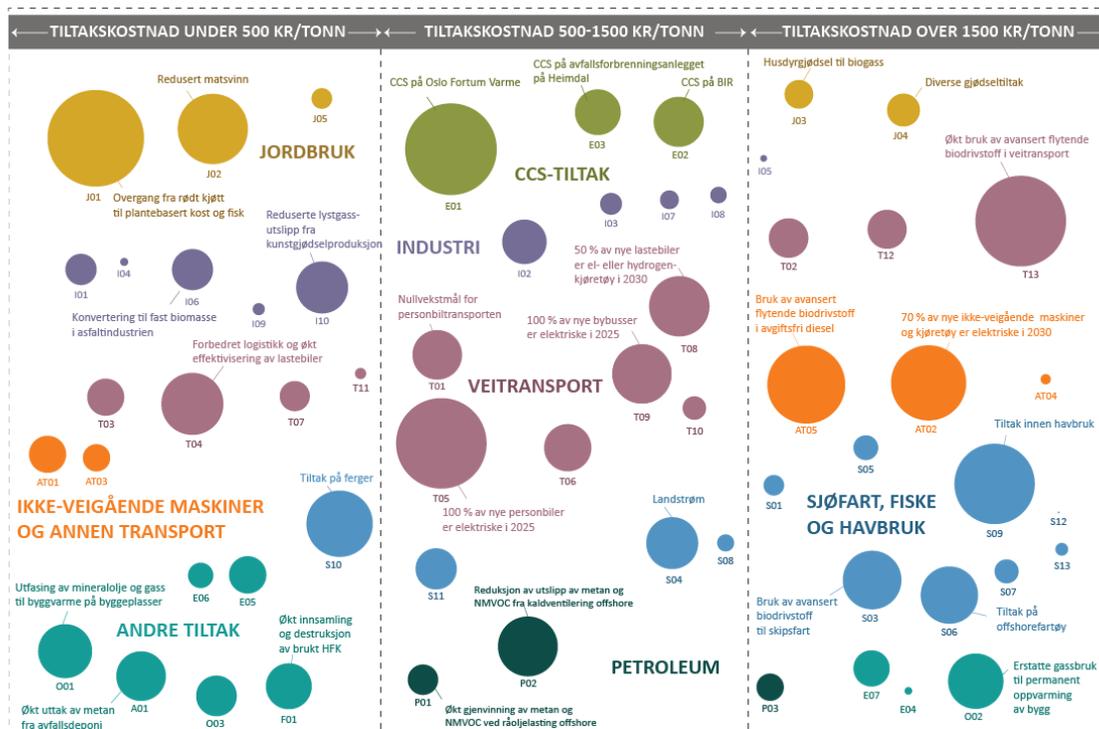
## 4. From plans to actions

- Instruments
- Barriers
- Public acceptance

Suggested concretization after several post meetings:

- **Each research team contribution on what is required to implement, and consequences, of measures from Klimakur 2030**

# Klimakur 2030 – some keywords



- Mission: Achieve 50% GHG reductions in non-ETS-related sector by 2030
- Six public actors, led by MDIR
- 1100 pages
- 60 different measures

# Partners involved in pilot 2: From climate plans to actions – based on Klimakur 2030

## User partners

- Miljødirektoratet
- Oslo kommune
- Trondheim kommune
- Bergen kommune
- Vestland fylkeskommune
- Trøndelag fylkeskommune

## Research Partners

- UiO - TIK, Senter for teknologi, innovasjon og kultur
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- IFE - Institutt for energiteknikk
- NTNU - IØT, Institutt for industriell økonomi og teknologiledelse
- NTNU - PSY, Institutt for psykologi
- NTNU - IndEcol, Program for industriell økologi
- NTNU - KULT, Institutt for tverrfaglige kulturstudier

## What did we find?

- Six different research contributions from: NTNU-KULT, NTNU-PSY, NTNU IØT, IFE, Sintef and UiO TIK
- Each contribution focused on different aspects of Klimakur 2030
- Full contributions are uploaded online, and is found through links in the Policy Brief
- Policy brief: Summarise and compile research contribution

POLICY BRIEF 01/2020



ANBEFALING 01/2020

## Korleis kan kommunar lykkast med klimakutt?

Av: Pernille Seljom (IFE) og Marius Korsnes (NTNU)



Forskinga vår viser at klimakutt og samfunnsendring krev betre tilrettelegging. Kommunane får her nokre konkrete råd om korleis dei kan leggje til rette for endringar som gjev klimakutt.

<https://www.ntnu.no/ntrans/policy-brief-anbefaling>

## Main findings

Better catering is needed to get climate plans into actions. The transition needs to be made attractive for the population, agriculture and industry and facilitate cooperation between new and old actors.

- Push and pull policies should be combined
- Municipalities are themselves barriers for change
- Fundamental economic structures must be changed in order to achieve change
- For electrification to happen fast enough, we must find policy mechanisms that support the alignment of different sector-specific institutions
- Biofuels is a valuable and scarce resource, and biofuel generation can be an important new industry in Norway

## Final remarks

- The research sprint has provided knowledge exchange between NTRANS user and research partners.
- The «sprint» format is somehow uncomfortable for researchers
- Interdisciplinary work is challenging but fun! Very different research contributions is combined in the policy brief
- We need to evaluate the process to ensure that we meet expectations of the user partners.
  - More concrete research question from user partners
  - Fewer research and user partners?