

# Peatlands: Background & motivation

- Wet, dark and cold
- Extreme carbon rich
  - Accumulated carbon over millenniums of years
- Climate change
  - Nature based carbon store



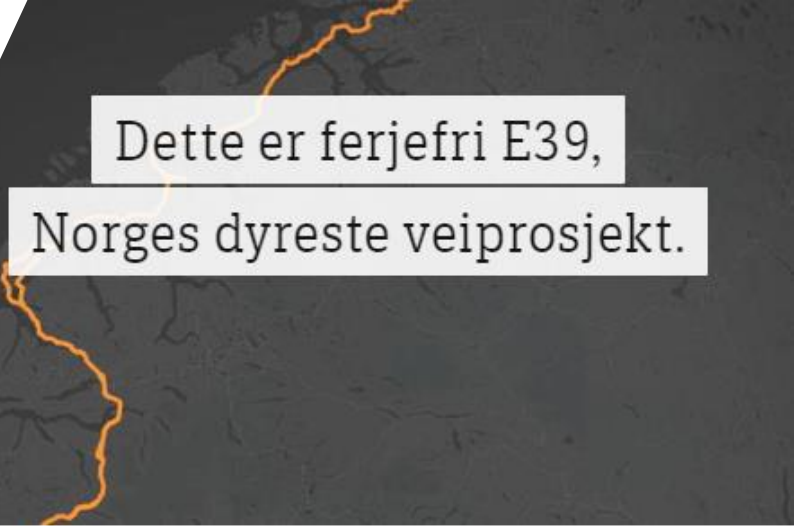


...en ingen har målt hvor store klimagassutslipp som vil komme fra myrene.

### Hyttedømmen som spiser natur

Hytte-Norge eser ut og setter naturen vår under press.

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Dette er ferjefri E39, Norges dyreste veiprojekt.

## Peatlands: Background & motivation

- Mismanaged
  - Often destroyed by road, cabin, and wind power development



Mens Norge graver plass til turbiner og veier, siver det klimagasser opp fra myra i bakken

# Repeat – REthinking sustainable land use of PEATland



Areas under pressure (Arealer under press)  
Collaborative Project to Meet Societal and Industry-related Challenges

**WP1** Soil carbon stock estimation

**WP2** Land use planning of cabin and road developments

**WP3** Wind power development and restoration

**WP4** Peatland restoration

**WP5** REPEAT – Knowledge co-production and outreach

**Prosjekteier:** Høgskulen på Vestlandet

**Prosjektleder:** Knut Rydgren, knut.rydgren@hvl.no

**Prosjektperiode:** 11/2021 – 10/2025 **Prosjektnummer:** 326645

**Prosjekttype:** Samarbeidsprosjekt

**Finansiering fra Forskningsrådet:** 16,7 mill. NOK [tot.budsjett 20,9 mill. NOK]

**Samarbeidspartnere:** NINA, UiA, NTNU Vitenskapsmuseet, Naturhistorisk museum (UiO), University of Edinburgh, University of Exeter, Forest Research Roslin, North Highland College, The Royal Society for the Protection of Birds, Vitensenteret i Sogn og Fjordane AS, SABIMA, NORWEA, Stad kommune, Flå kommune, Statsforvaltaren i Vestland, Statsforvaltaren i Viken, NVE, Statens Vegvesen



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PL & WP4



Inger Auestad  
WP5



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WP2



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WP3

# Impact: <https://www.fasttrackimpact.com/>



## Mark Reed

- Fast Track Impact
  - <https://www.fasttrackimpact.com/>
- Books
- Online courses

## Advices

- Trap – to general
- Instead, be specific
  - Who are those that are impacted
  - What can the different groups extract

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Frontier Axis labels in R plot... Yr - Sogndal - Værv... EndNote 20: Chang... Files - Dropbox Tutorials for learnin... Statistical modellin... Norgeskart

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# 2. Impact (Repeat application)

## 2.1 Potential impact of the proposed research

- **Public authorities and stakeholders**
- .... Most importantly, however, the project promotes environmental sustainability by identifying the carbon trade-offs in peatland developments (WP2-3). It moreover improves integration of knowledge on developments' environmental impact in decision-making both in land use planning (WP2) and wind power licensing (WP3).
- **The scientific community**
- **The general public**
- .... Disseminating climate change mitigation aspects through the science centre ViteMeir will target a wide audience (WP5), as will communicating preliminary findings and results to media outlets (WP5). Our outreach activities will educate students and the general public and support informed valuations of peatlands. Undergraduate students in Landscape Planning (HVL), Renewable Energy (HVL), and Societal Planning and Communication (UiA) — tomorrow's planners and decision-makers — will benefit from opportunities to work on theses related to REPEAT, and from insights from workshops and the interactive learning material that will be integrated into relevant university courses.

## 2.2 Measures for communication and exploitation

- **Public authorities and stakeholders** ... workshops etc.
- **The scientific community** will be targeted via minimum 16 articles in peer-reviewed, open-access, international and national journals, ...
- **The general public** ... The learning material that we develop for use at ViteMeir and other science centres (WP5) will benefit pupils of all ages and their families.

The planned outputs are likely to have exceptional impact on the scientific challenges posed in the work programme, particularly with regard to carbon trade-offs in peatland development projects. Impact is well-embedded into the programme particularly through WP5 and the planned co-production workshops based around the case studies. Communication plans are clear and convincing with appropriate means identified for different audiences (stakeholders, scientific community and the general public).