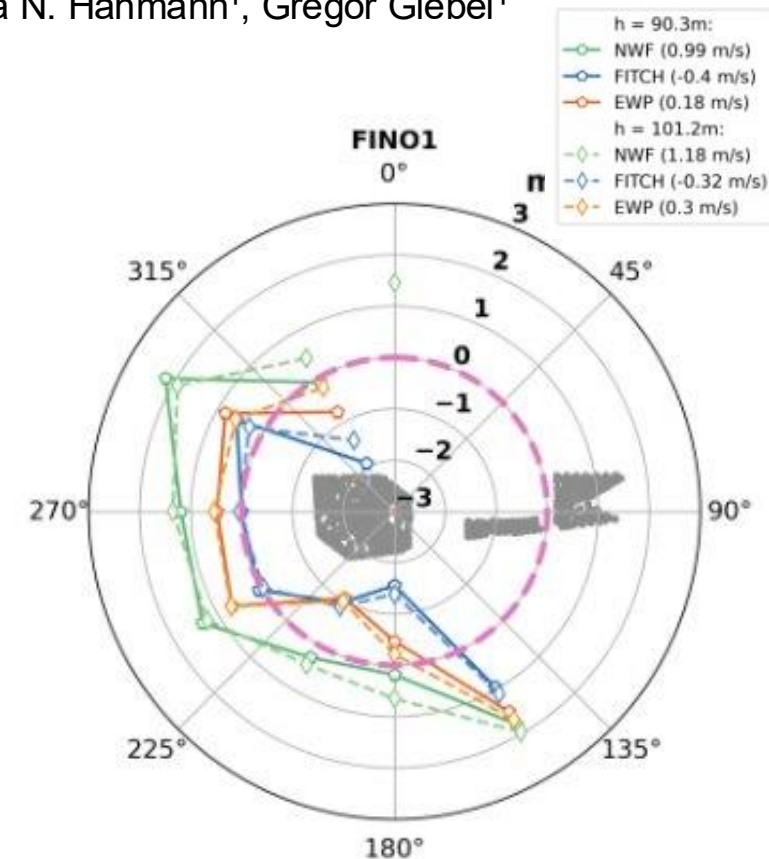
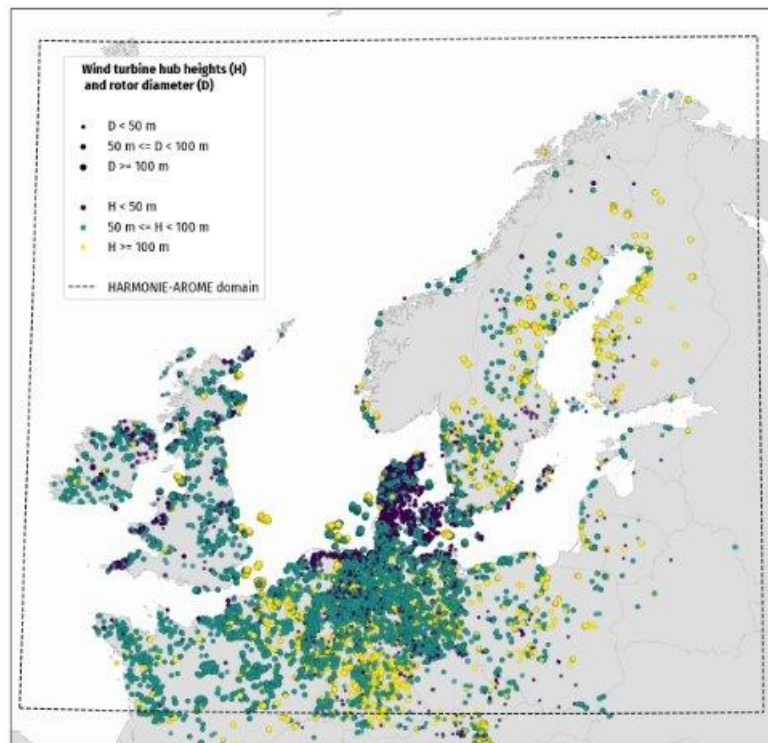
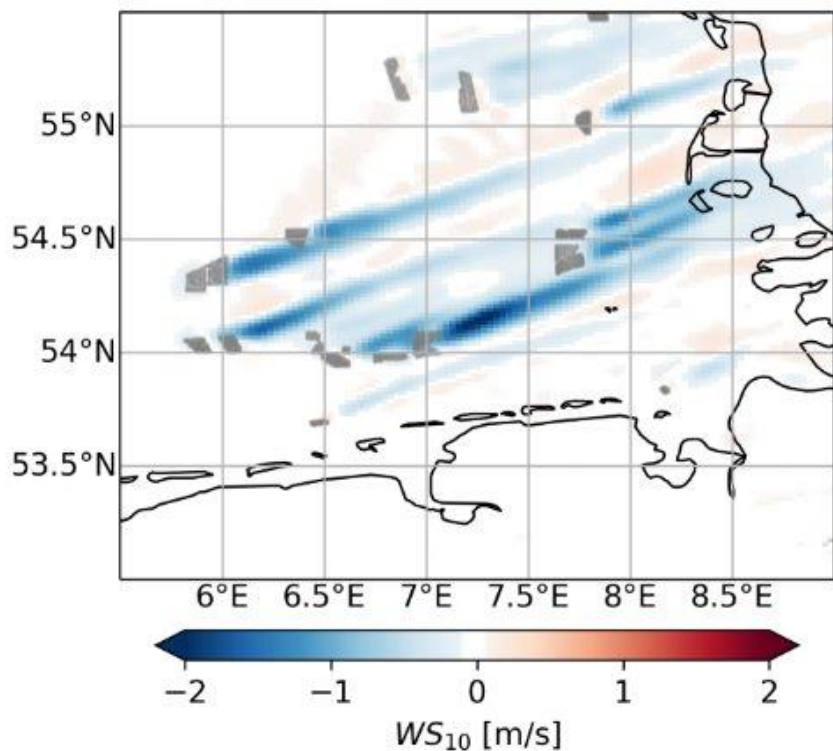


# Wind farm effects on weather forecast using HARMONIE-AROME

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Fitch-NWF



## Motivation

- Wind farm wakes can extend > 50 km offshore (and onshore)
- -> They affect weather forecast

## Method

- European wind turbine database created
- Forecasts with HARMONIE-AROME for Feburary 2020

## Results

- FINO mast validation
- Monthly averages
- Open Challenges

Poster  
GP27