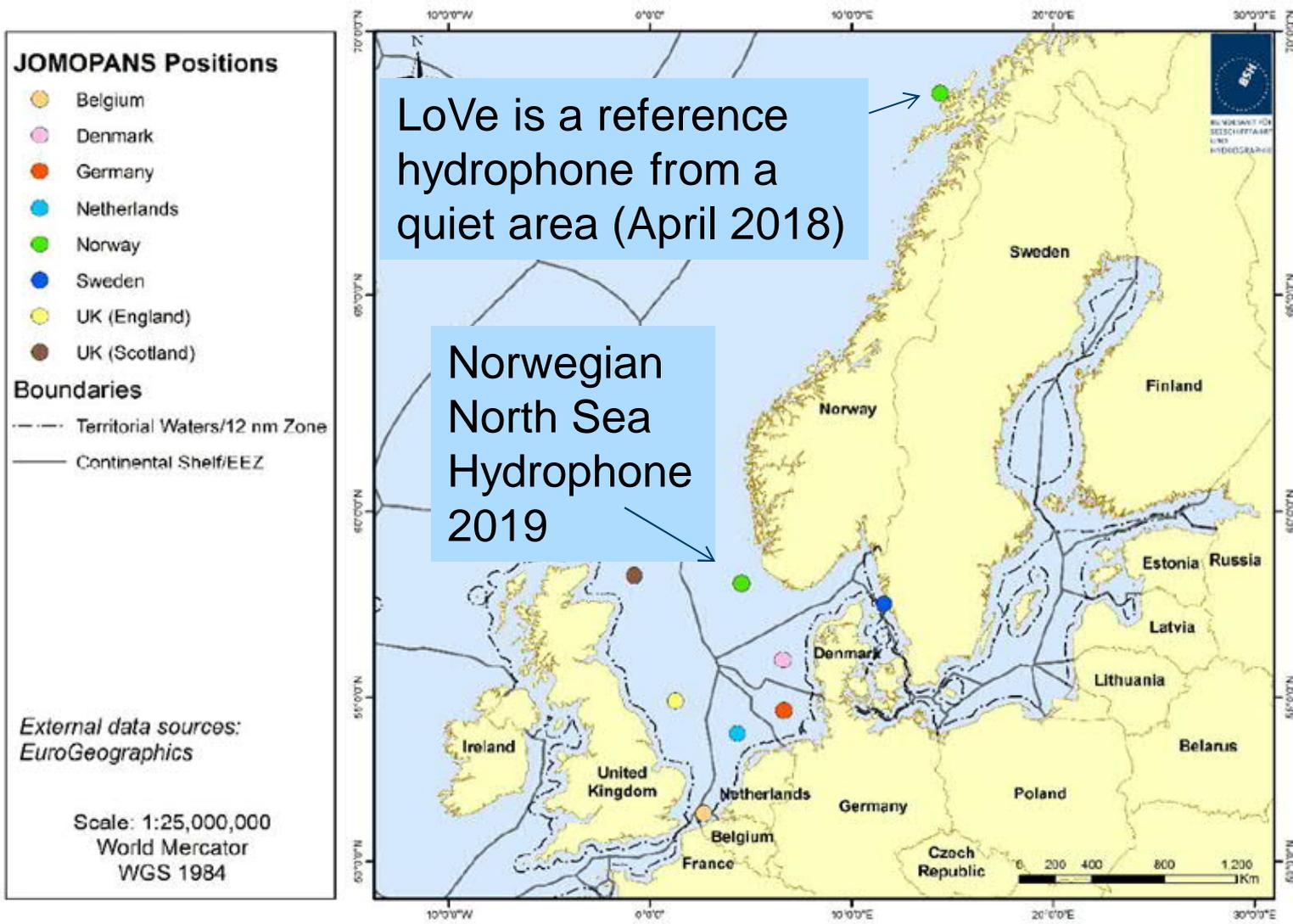


FFI's contributions to the JOMOPANS project on ambient noise in the North Sea.

Lars Ødegaard and Petter Kvadsheim, FFI
Norway, 10 Jun 2021



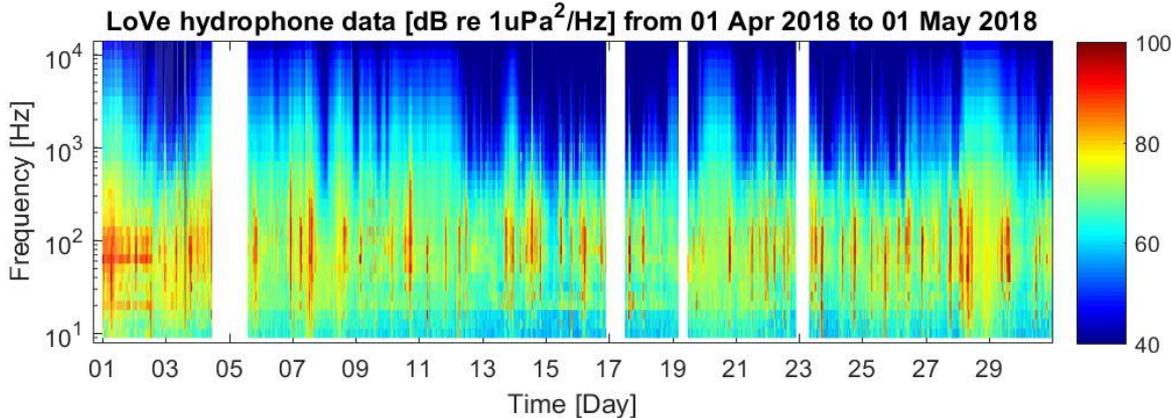
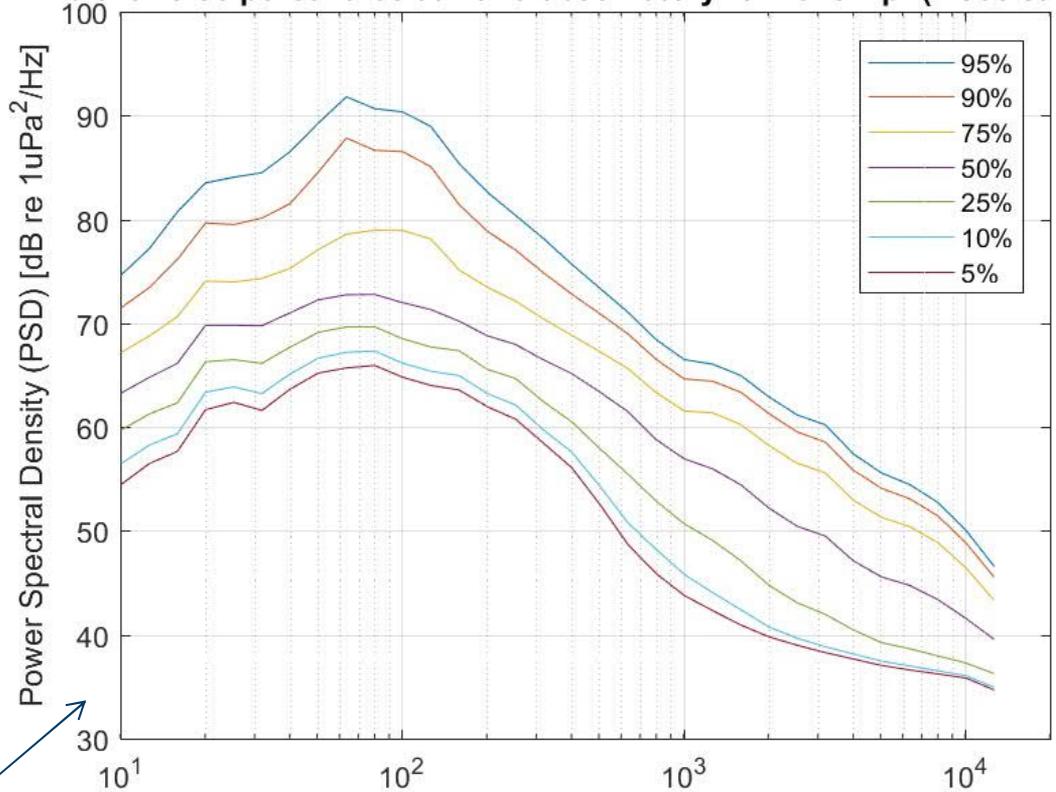
Norwegian contributions:



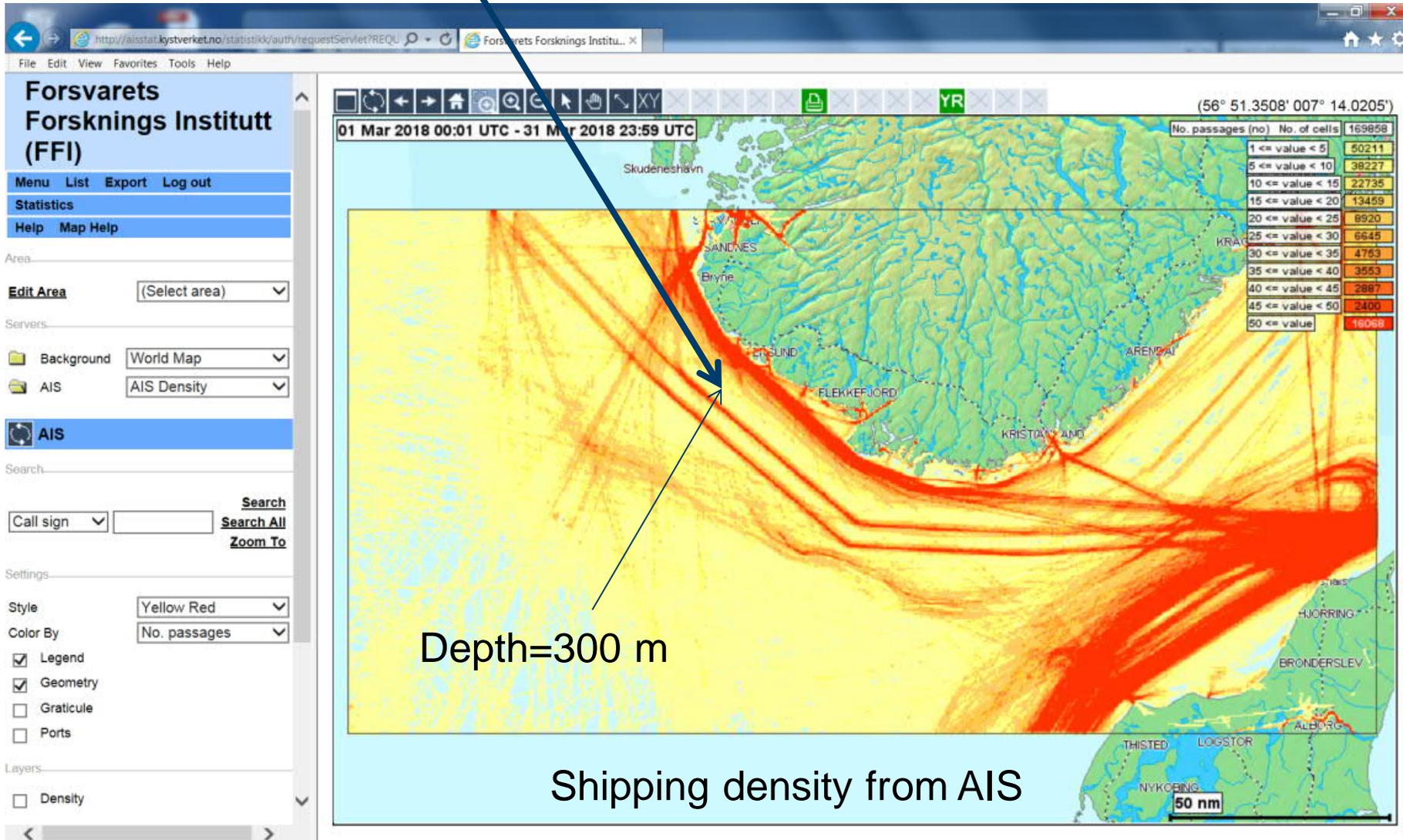
Main results for a month (April 2018), i.e. the main input from the LoVe observatory to JOMOPANS model validation.

The LoVe data is collected by IMR and processed by FFI

Ambient noise percentiles at LoVe observatory for 2018-Apr (1 sec samples)



The Norwegian Trench hydrophone in the North Sea



The Norwegian Trench hydrophone was deployed the 20. Jan 2019 and recovered in Dec 2019 by FFI's research vessel HU Sverdrup II:

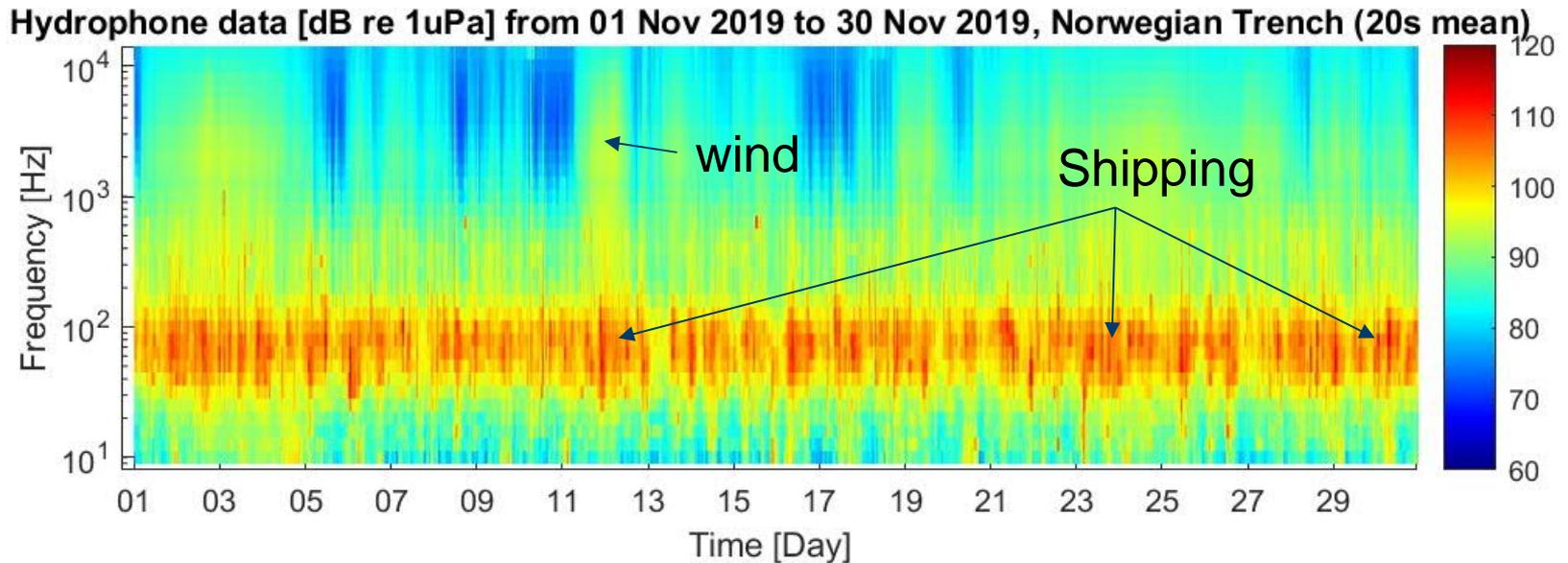
FFI has collected, processed and delivered the data for all months in 2019 as planned.

The simple Loggerhead hydrophone worked without problems.



FFI research vessel HU Sverdrup II

Spectrogram from the Norwegian Trench hydrophone:



Shipping dominate the ambient noise between 20 and 500 Hz, while noise from wind and waves dominate over 1000 Hz.