

JOMOPANS

JOINT MONITORING PROGRAMME FOR AMBIENT NOISE IN THE NORTH SEA

Project summary









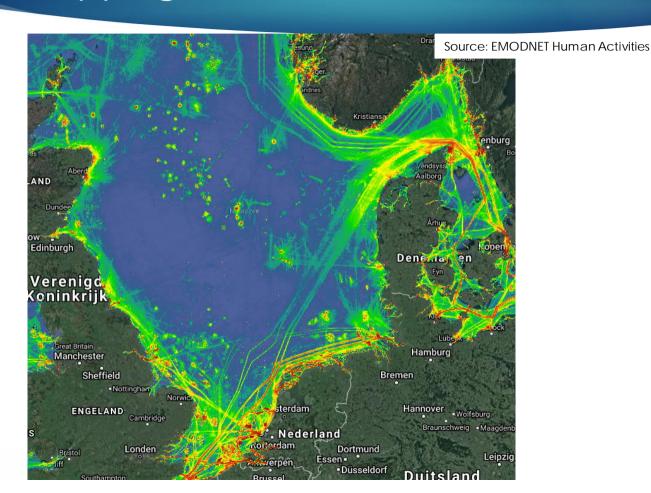




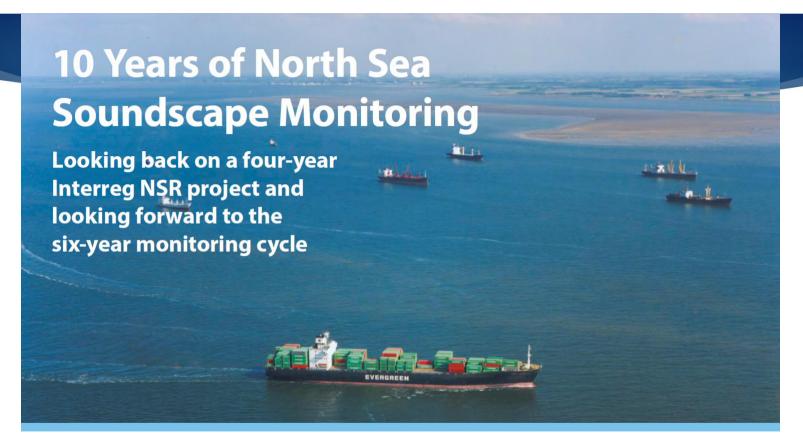




Shipping densities









End Report from the Interreg NSR JOMOPANS project



Contents

Preface	3
The challenge	4
Three years of Interreg NSR project	5
Next six years of joint monitoring	18
One year of transition into practice	22

End report



Validation of the soundscape maps week



The soundscape maps will be used to underpin policy and regulatory decisions, which aim to reduce the impacts of underwater noise pollution on marine life. To ensure confidence in the use of these maps, it is therefore critical that they are properly ground-truthed with in situ field measurements and that the uncertainties in the maps are quantified. JOMOPANS has provided an independent validation of the noise maps produced by the modelling work, using the field data gathered within the measurement work

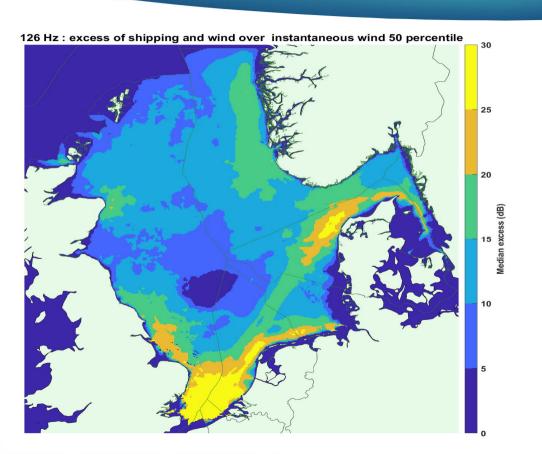
The independent validation was conducted on the final soundscape maps, covering the year 2019 and using 15 JOMOPANS field monitoring stations. providing a large temporal and spatial range. https://www.youtube.com/watch?v=rz8t2Mpl2z8/, percentiles of the measured and modelled

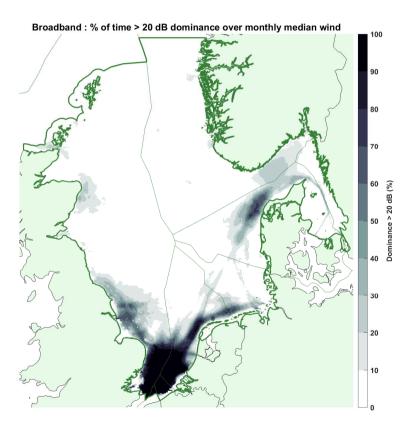
data were compared within third octave frequency bands from 10 - 20,000 Hz, in decidecade frequency bands, and as broadband sound levels.

The general pattern of uncertainty showed that the model predicted sound pressure levels were lower than the measurements at low frequencies (< 1 kHz), while the model more closely agreed with the measurements at higher frequencies (> 1 kHz). The validation results highlight the difficulty of accurately predicting low-frenguency ambient noise levels, due to multiple uncertainties.



Result in two slides





Results in two slides





Welcome to Jomopans GES Tool

 $\label{lem:continuous} A \textit{framework} \textit{for a fully operational joint monitoring programme for ambient noise in the North}$

Browsing maps and collected data Download maps and source data files Combine maps to calculate GES Tool outputs



Search and download the source data files



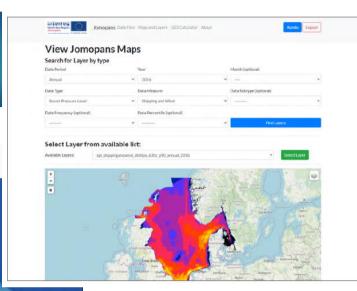
Maps and Layers

View all the input sound and habitat maps



View and calculate the Good Environment Strategy tool



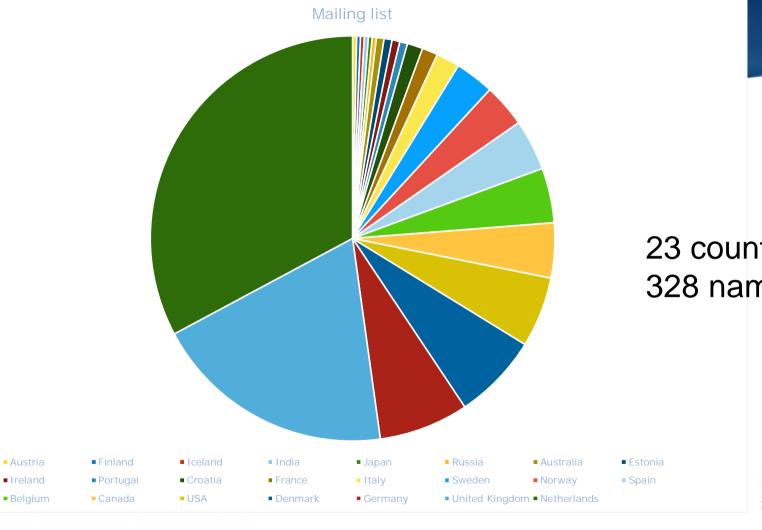


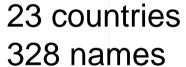














Connecting









Swedish Agency for Marine and Water Management





Ministry of Environment and Food of Denmark

Agency for Water and Nature Management

















Protecting and conserving the North-East Atlantic and its resources



The Port of Scandinavia





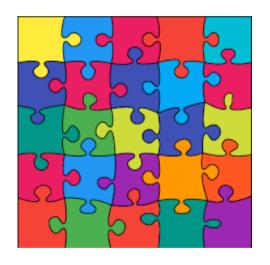


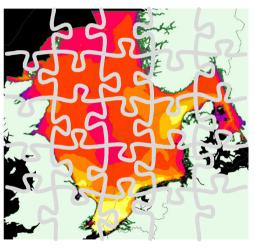


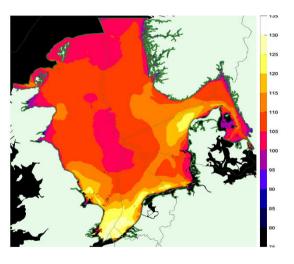




One map









Policy Advisory Board





Policy Advisory Board

- Policy advisors from all participating countries
- Representatives from OSPAR and Interreg NSR
- Give guidance on the project direction
- Ambassadors for Jomopans in national governments
- Support implementation
- Meetings
 - ▶ June 2018
 - October 2019
 - ▶ June 2020
 - November 2020
 - 2021 to be planned



Policy Brief & Implementation plan

