



European Regional Development Fund

EUROPEAN UNION

JOMOPANS

JOINT MONITORING PROGRAMME FOR AMBIENT NOISE IN THE NORTH SEA

Project summary



Shipping densities



Source: EMODNET Human Activities



10 Years of North Sea Soundscape Monitoring

11

Looking back on a four-year Interreg NSR project and looking forward to the six-year monitoring cycle





European Regional Development Fund EUROPEAN UNION

End Report from the Interreg NSR JOMOPANS project June 2021



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The challenge	
Three years of Interreg NSR project	
Next six years of joint monitoring	
One year of transition into practice	



End report





Validation of the soundscape maps

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. ng a large temporal and spatial range.

https://www.youtube.com/watch?v=rz8t2Mpl2z8/y 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-frenquency ambient noise levels, due to multiple uncertainties.



Result in two slides





Results in two slides

Interreg

Jomopans Data Files Maps and Layers GES Calculator About

Welcome to Jomopans GES Tool

A framework for a fully operational joint monitoring programme for ambient noise in the North

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





View all the input sound and habitat maps

GES Calculator Tool View and calculate the Good Environment Strategy tool





interreg Jomopans Data Files Maps and Layers GESCalculator About

Acmin Logout

View Jomopans Maps

Search for Layer by type			
Data Period	Near	Marith	loptional
Annual	× 2016	•	*
Data Type	Data Measure	Data Measure Data Sobrype (optional)	
Sound Pressure Level	✓ Shipping and	t Wind 👻 🚥	
Data Frequency (optional)	Data Percentil	e (optional)	
	•		Pled Layers

Select Laver from available list:

Available Lavers: spl shippingandwind allships 63hz p90 annual 2016





GES Tool Input Maps





Connecting









Policy Advisory Board



Interreg North Sea Region Jomopans European Regional Development Fund

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







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