

**Interreg**  
North Sea Region  
**Jomopans**

European Regional Development Fund



EUROPEAN UNION

# JOMOPANS

JOINT MONITORING PROGRAMME FOR AMBIENT NOISE IN THE NORTH SEA

TG Noise

6 November 2018, Brussels

# JOMOPANS – Project Presentation

▶ Funding: EU - Interreg North Sea Region

▶ Priority 3  Sustainable North Sea Region: Protecting against climate change and preserving the environment

▶ Duration: Jan 2018 – Dec 2020

▶ Budget: € 3.5 Million

▶ Consortium: 11 partners

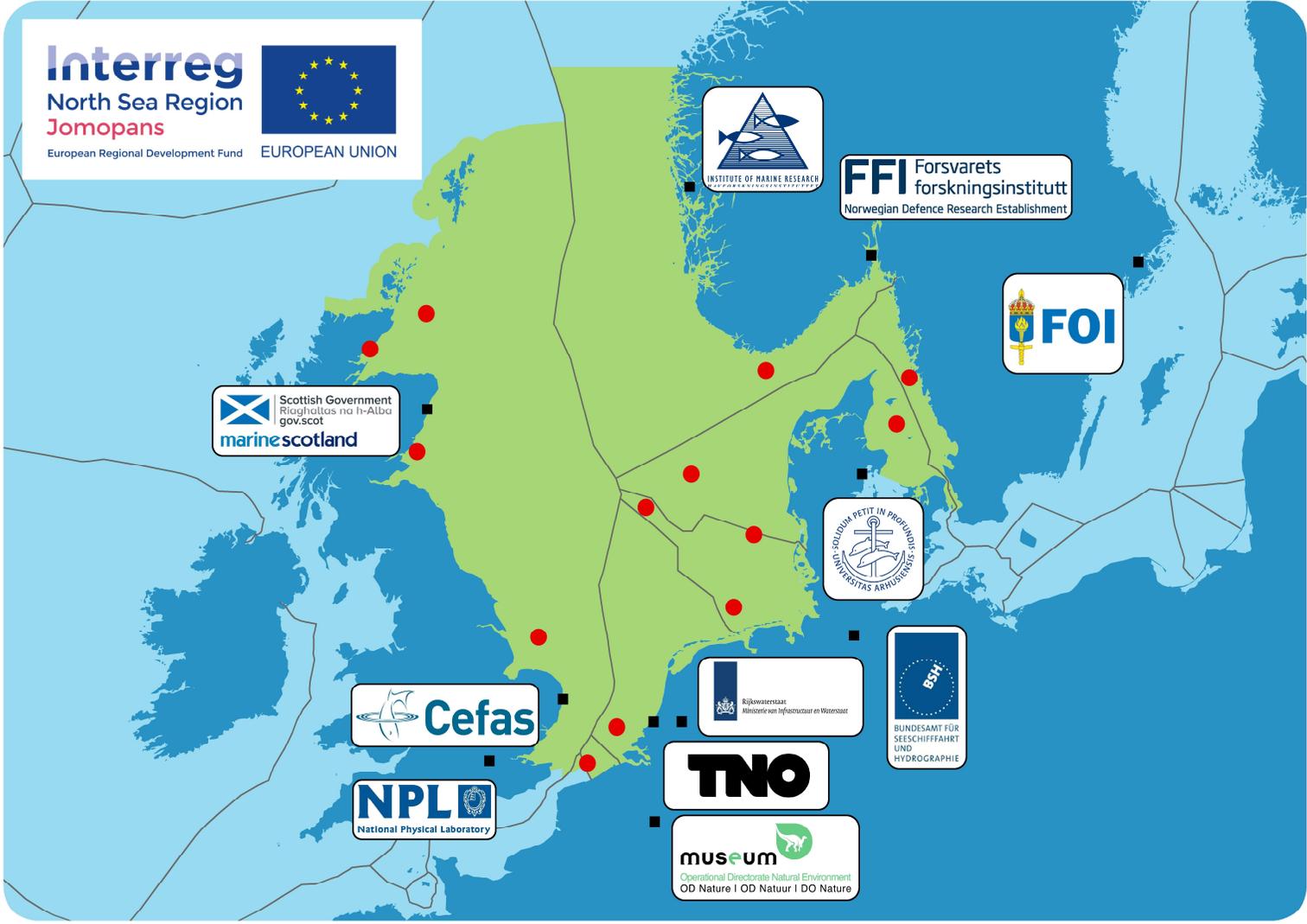
▶ Project Coordinator:  
Rijkswaterstaat, The Netherlands

# Project Objectives & outputs

- ▶ Aim: to develop a framework for a fully operational joint monitoring programme for ambient noise in the North Sea
- ▶ Outputs: tools for managers, planners and other stakeholders
  - ▶ assessment of effects of ambient noise the environmental status of the North Sea
  - ▶ evaluation of measures

# PARTNERS

-  ► Rijkswaterstaat - NL(lead)
-  ► Centre for Environment, Fisheries & Aquaculture Science (Cefas)– UK
-  ► Federal Maritime and Hydrographic Agency – DE
-  ► TNO – NL
-  ► Aarhus University – DK
-  ► Swedish Defence Research Agency – SE
-  ► Royal Belgian Institute for Natural Sciences – BE
-  ► Marine Scotland – UK
-  ► Norwegian Defence Research Establishment - NO
-  ► National Physical Laboratory – UK
-  ► Institute of Marine Research - NO

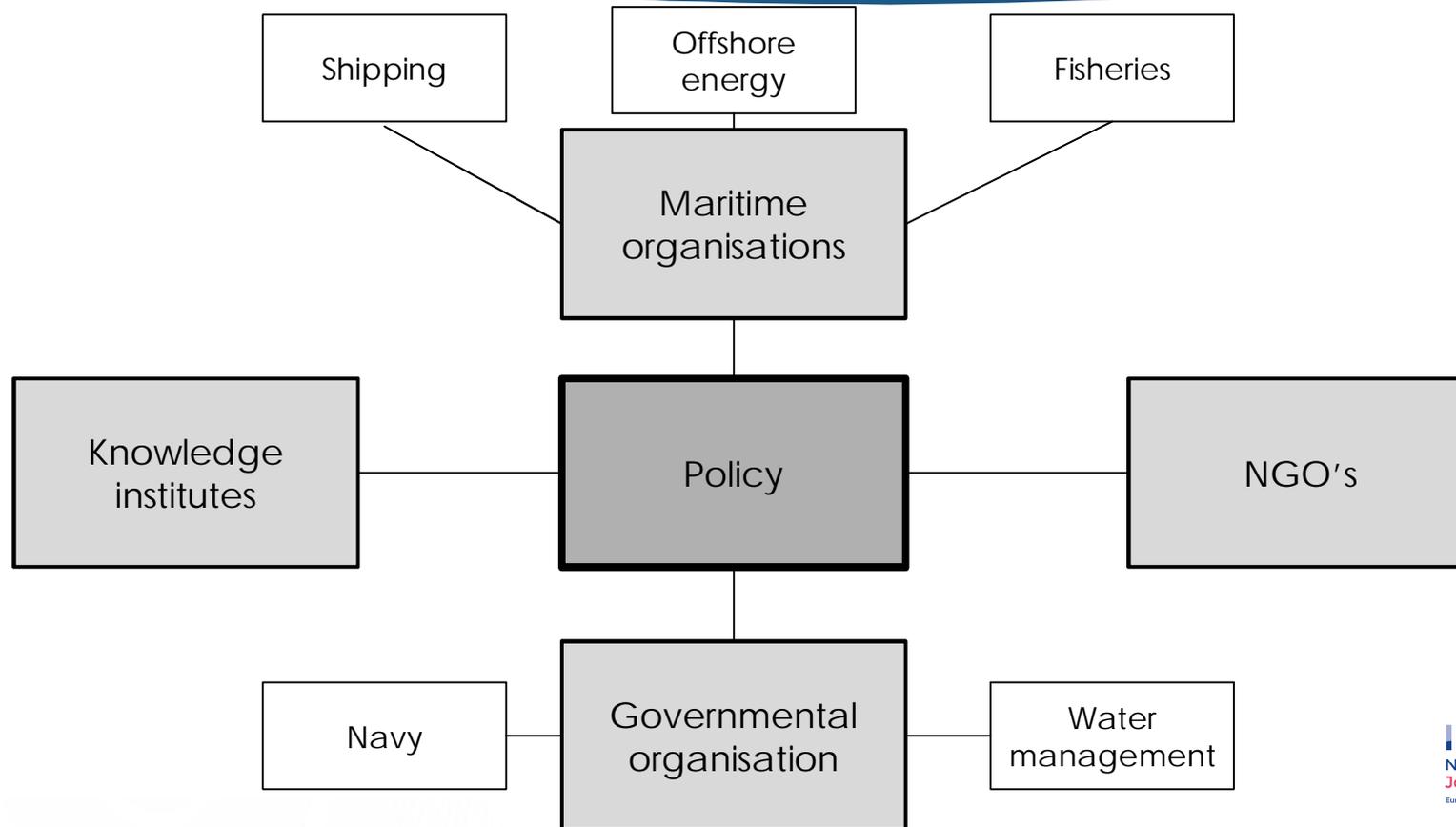


# Policy Advisory Board

First meeting June 2018



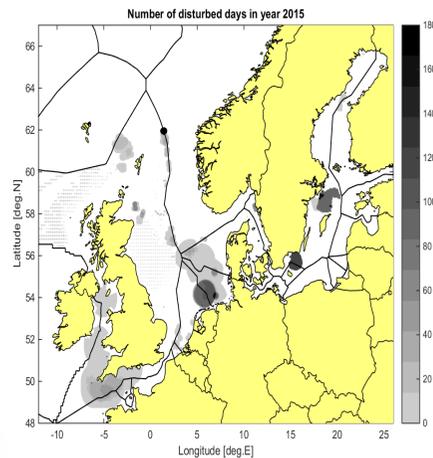
# Stakeholder analysis



# Elements of Jomopans



measurements



modelling

management tools

**Spatial coverage of modelled noise levels**  
The proportion of the interest area for which a Sound Pressure Level (SPL) value is exceeded a certain percentage of time (Lx) for the specified month, year, centre frequency, and depth interval.

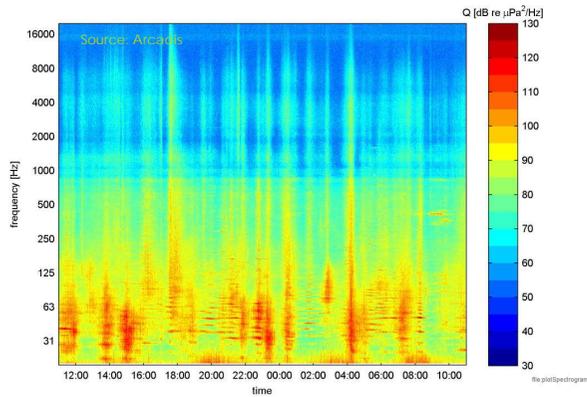
Area of Interest: N2000 site N. Midtjyllandsken (1610 raster cells = 1025 km<sup>2</sup>)

**Temporal variation of spatial coverage above a noise threshold**  
The proportion of the interest area for which the revealed noise level (Lx) exceeds the given sound pressure level (SPL) threshold for a specified time period, centre frequency, and depth interval.

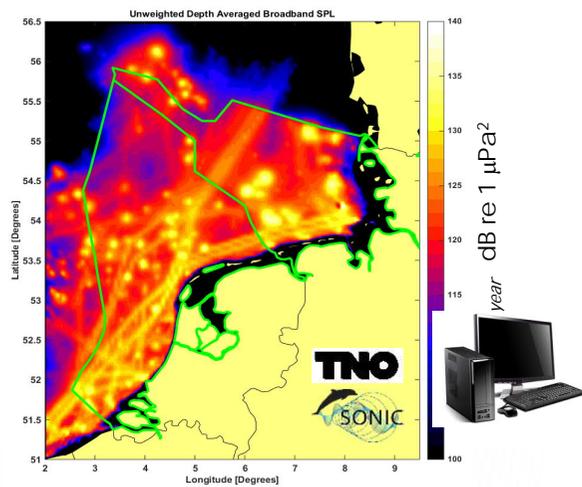
Area of Interest: Colt\_speising\_Bumholen (2541 raster cells = 833.9 km<sup>2</sup>)

Logos: BIAS, Interreg North Sea Region Jomopans, European Regional Development Fund, EUROPEAN UNION

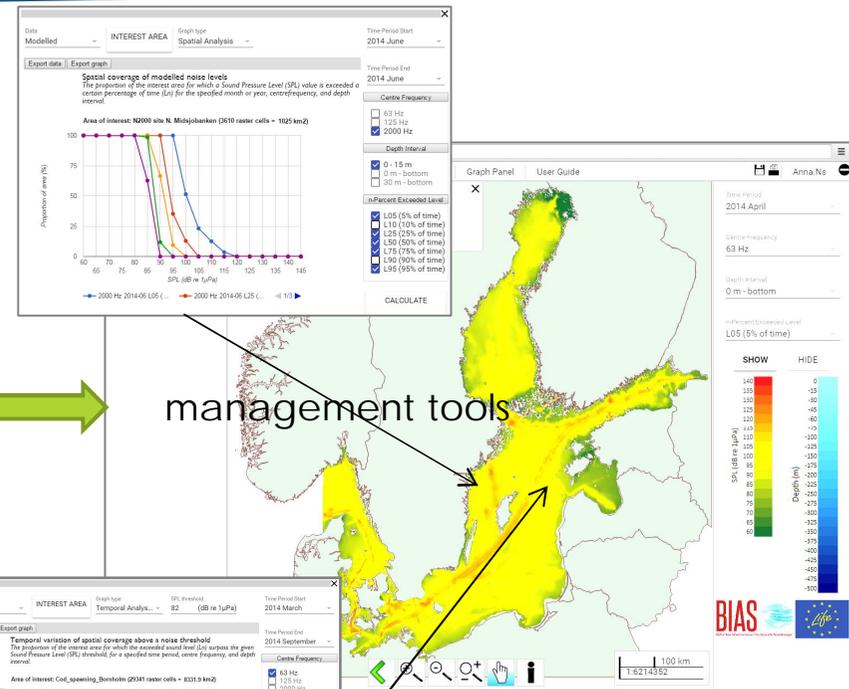
# Elements of Jomopans



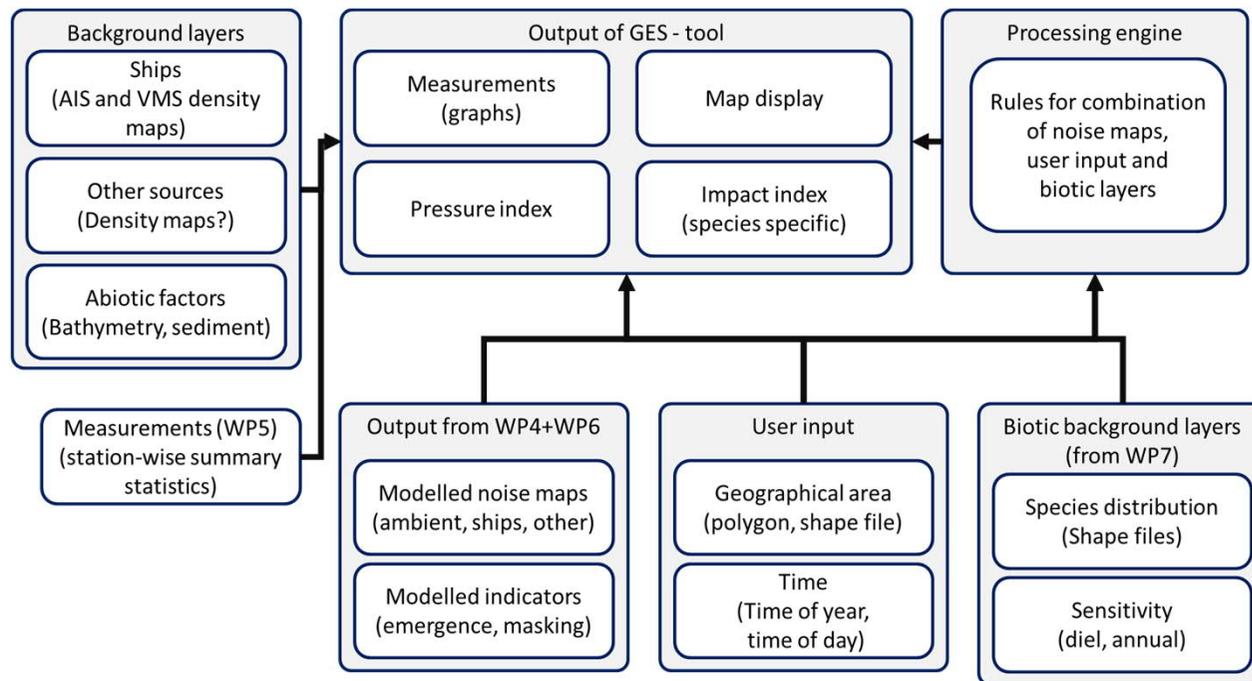
measurements



modelling



# Overall structure GES Tool



# Progress update

- ▶ WP3 Standardization
  - ▶ Report 1: Standard for terminology
  - ▶ Report 2: Standard procedure for equipment performance, calibration and deployment
- ▶ WP4 Modelling
  - ▶ Report 4.1: Jomopans model and data inventory (nearly finished)
- ▶ WP5 Measurements
  - ▶ More than 50% measurement stations active
- ▶ WP6 Combination
  - ▶ Report: Acoustic metric specification
- ▶ WP7 GES Tool
  - ▶ Subcontracting in progress

Available on: <https://northsearegion.eu/jomopans/output-library/>

# Jomopans Midterm event

- ▶ 8 October 2019
- ▶ Royal Society, London

