

Interreg

North Sea Region

Jomopans

European Regional Development Fund



EUROPEAN UNION

JOMOPANS

JOINT MONITORING PROGRAMME FOR AMBIENT NOISE IN THE NORTH SEA

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TG-Noise meeting Heraklion 9-11 April 2019



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

Workpackages

- ▶ WP1 Project management (RWS)
- ▶ WP2 Communication & harmonization (FOI)
- ▶ WP3 Standardization (NPL)
- ▶ WP4 Modelling (TNO)
- ▶ WP5 Measurements (BSH)
- ▶ WP6 Combination M&M (CEFAS)
- ▶ WP7 GES management tools (AU)

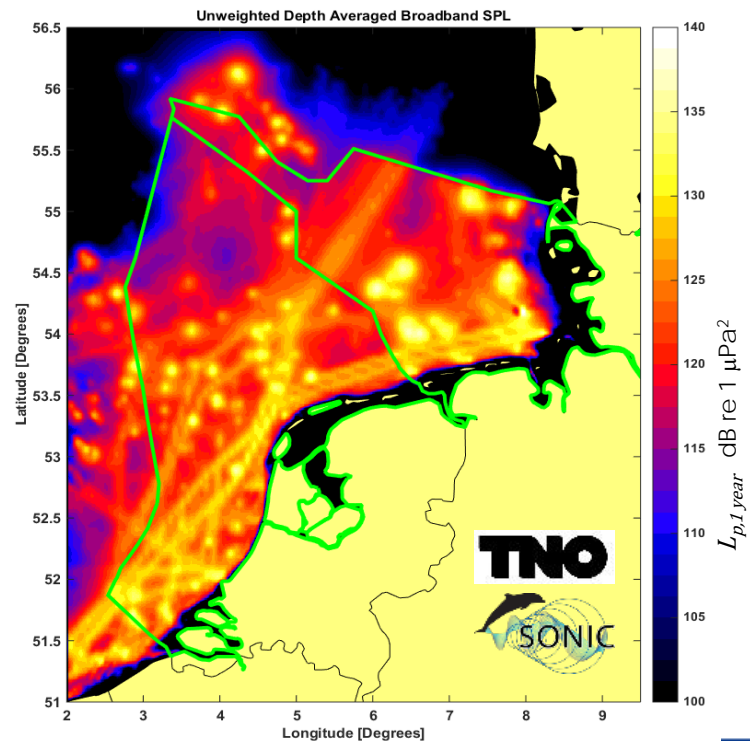
WP5 Measurements

- ▶ National stations
- ▶ Common database (BSH) of processed data
- ▶ Monitoring through 2019 and ongoing
- ▶ Access to data beyond JOMOPANS to be determined

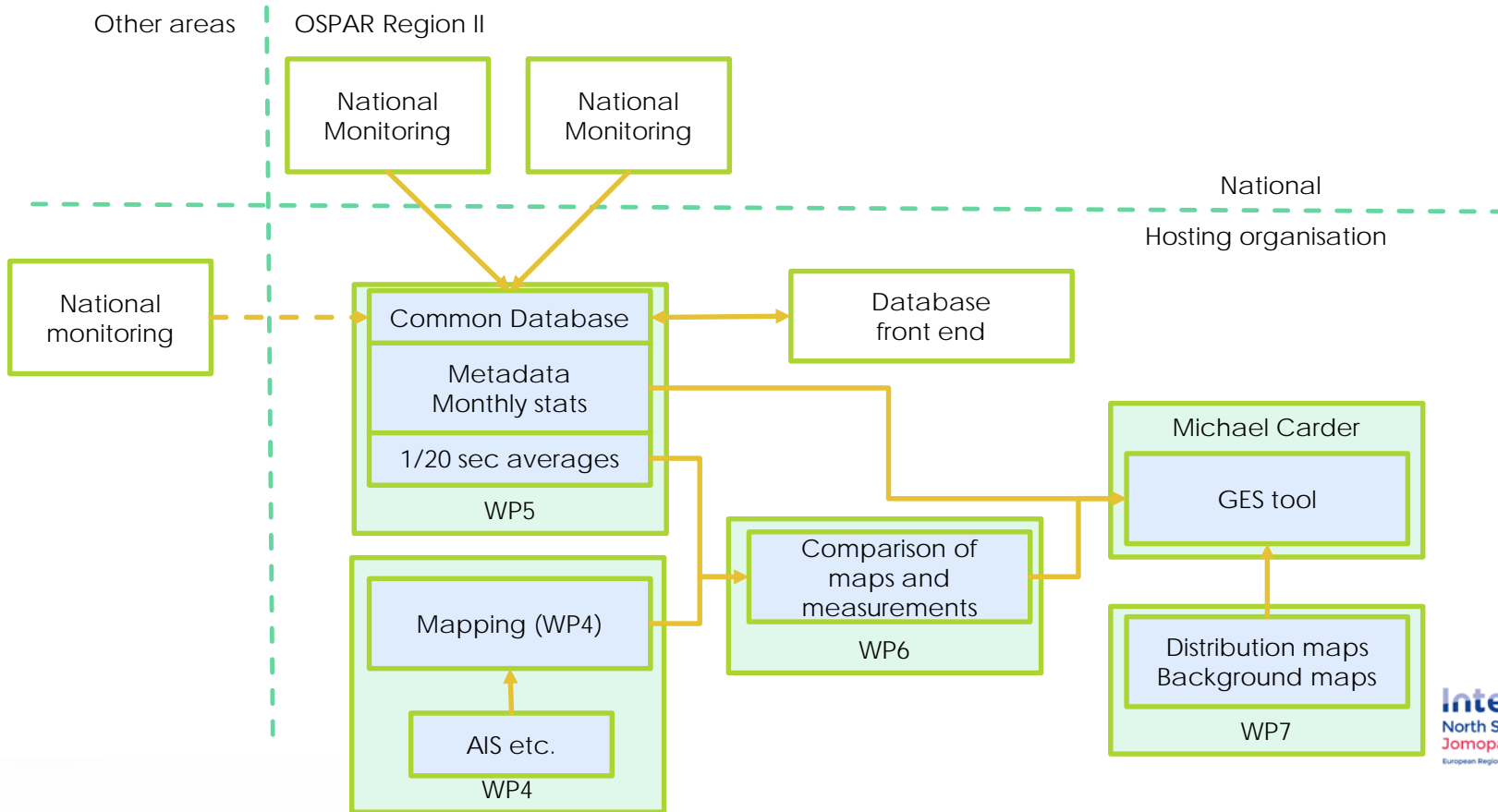


WP4 modelling

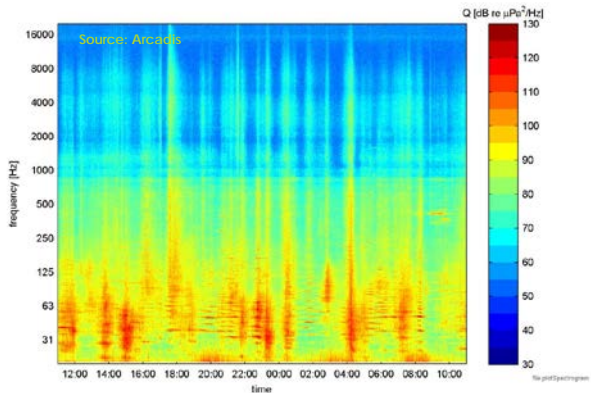
- ▶ Based on AIS-data
 - ▶ Restricted to larger ships
- ▶ Separate modelling of natural ambient from wind/wave data
- ▶ Estimates of statistics (percentiles)
- ▶ Separate estimate of excess level (total noise – natural ambient)



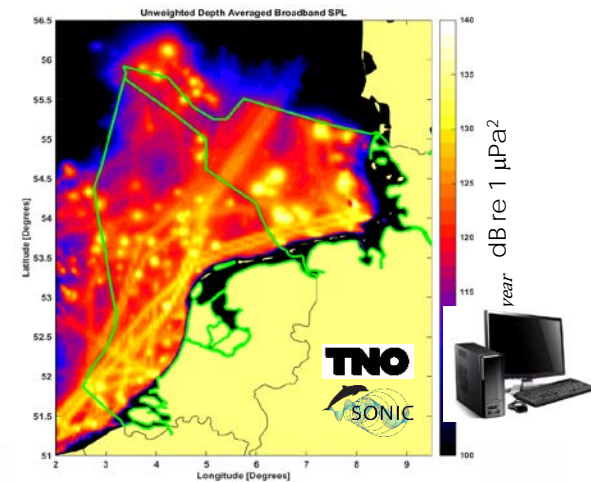
Data flow



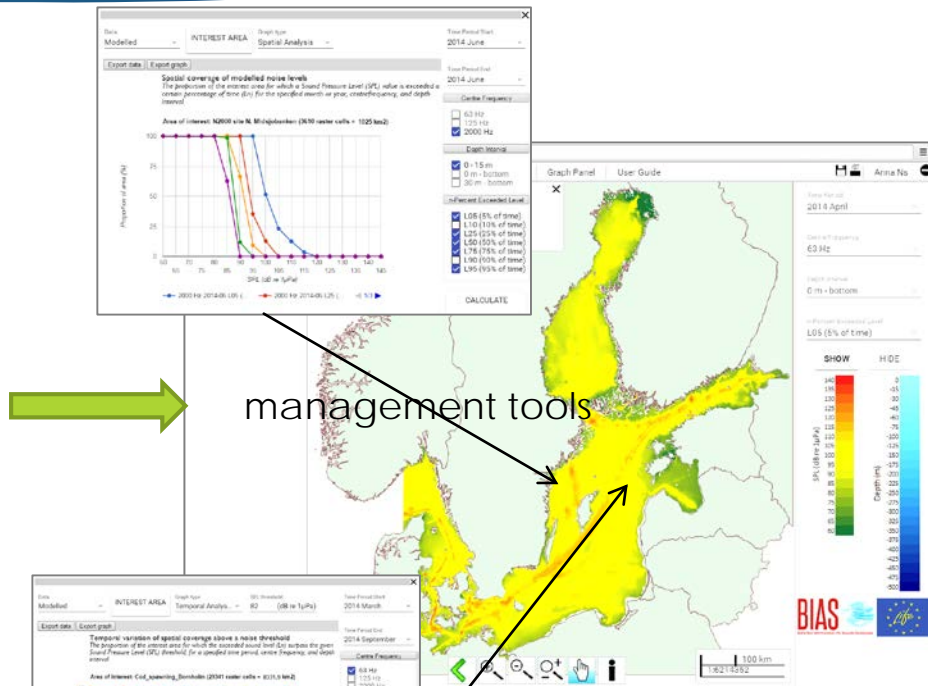
GES-tool



measurements

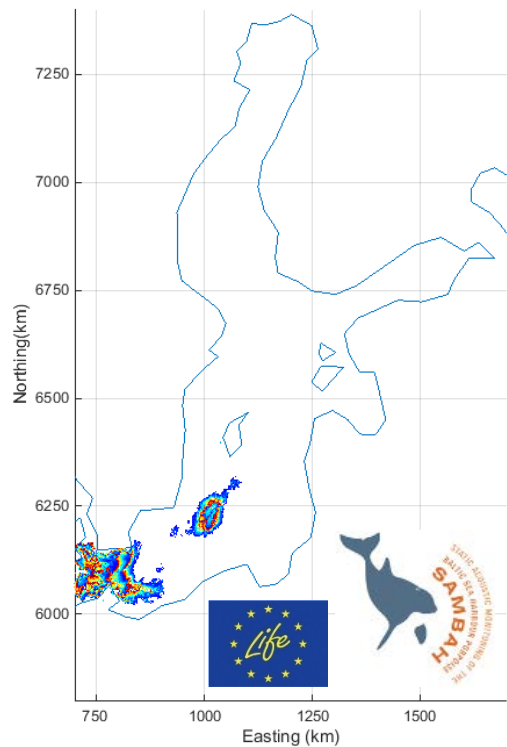


modelling

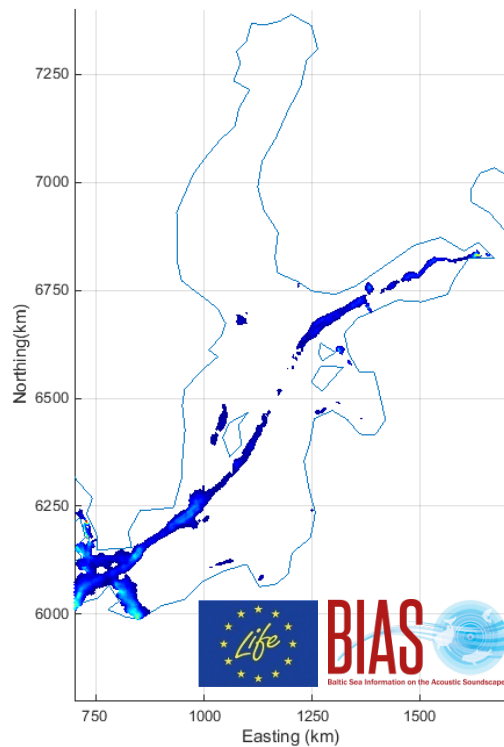


Example of type of output

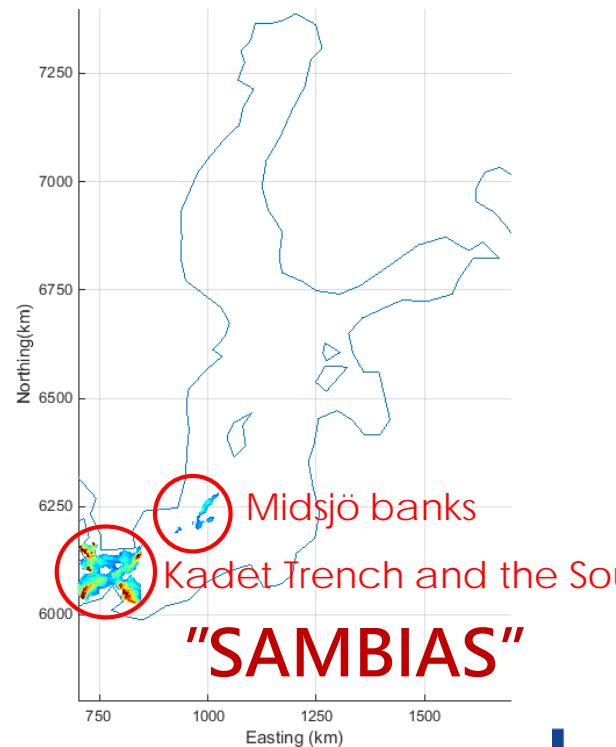
Abundance



Pressure



Risk



The tool after JOMOPANS

- ▶ The goal is that the tool can continue to be accessible immediately after end of JOMOPANS. Requires dedication and resources for:
 - ▶ Hosting the tool
 - ▶ Maintaining software
 - ▶ Updating static input, incl. procedures

- ▶ Discussion: Ownership, payment, open access or agencies only