

## JONAS

Joint Framework for Ocean Noise in the Atlantic Seas

### EU Atlantic Member States



#### Overview

Increasing anthropogenic pressures on the ocean and the resulting underwater noise represent one of the most significant threats to marine biodiversity conservation.

**Marine activities** (shipping, offshore surveys, infrastructure development and construction, offshore renewable energy generation, naval sonar and research activities etc.) **produce noise in the marine environment**, varying in intensity and frequency, **which can adversely affect the biology and ecology of marine organisms.**

JONAS aims to **address the risks of acoustic pressures on marine biodiversity** focusing on sensitive species in the North Atlantic. The project brings together nine research partners from Ireland, UK, France, Spain, and Portugal, with **the purpose of addressing the transboundary issues of underwater noise through better risk management and monitoring.** JONAS is organised into eight work packages (focused on specific project elements), which address real-time noise management at a local level in sensitive areas, and support policy-makers in developing regional approaches that address biodiversity needs. Partner countries bring national expertise to be exchanged through joint actions and transnational dialogue.

#### Results

- **Improved risk assessment through production of monthly noise and risk atlases** based on spatial modelling of noise characteristics and the distribution statistics of key bio-indicators for vulnerable species;
- **Production of five case studies on the impacts of acoustic pollution and virtual research environment**, a communal work space designed to render often complex technical material into accessible and user-friendly tools and services;
- **Improved monitoring and risk management of underwater noise** in the Northeast Atlantic region;
- **Support of European nations in meeting MSFD requirements.**

#### Project in figures

**Total cost:** € 2.800.404

**EU funding:** € 2.100.303

**EU funding source:**



#### Connect with the project



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