

COLLECTED DATA

ENVIRONMENTAL PARAMETERS

Salinity, temperature, suspended particular matter, pigments, nutrients, etc.

UNDERWATER SOUND

The marine soundscape will be characterized and natural and man-made sound sources will be identified

PLANKTON

Imaging sensors for phytoplankton and zooplankton to collect data on plankton diversity and abundances

FISH

Fish acoustic receiver network for data on fish species presence, abundance, acceleration, etc.

BIRDS

GPS network and BirdCam stations to collect data on bird species, their activity and migration patterns

MARINE MAMMALS

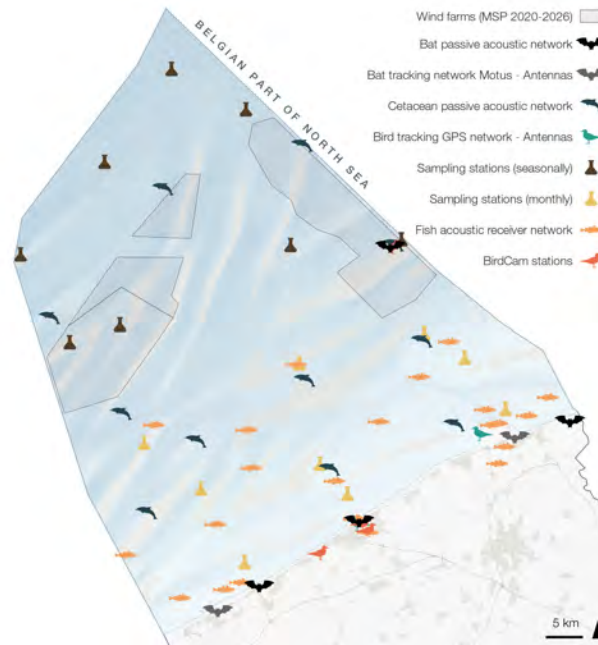
Cetacean passive acoustic network collecting distributional data on porpoise and dolphins (throughout the year)

BATS

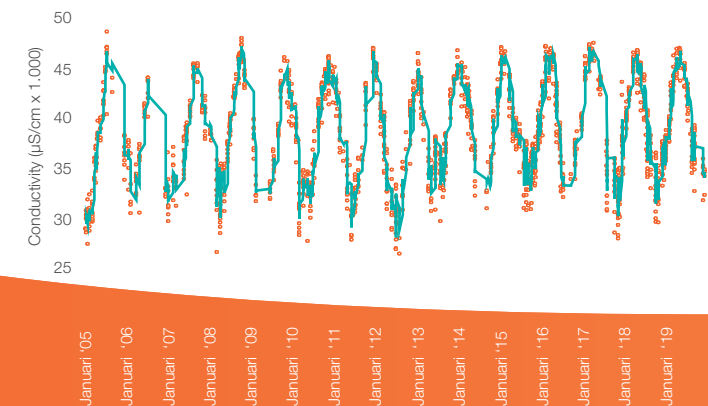
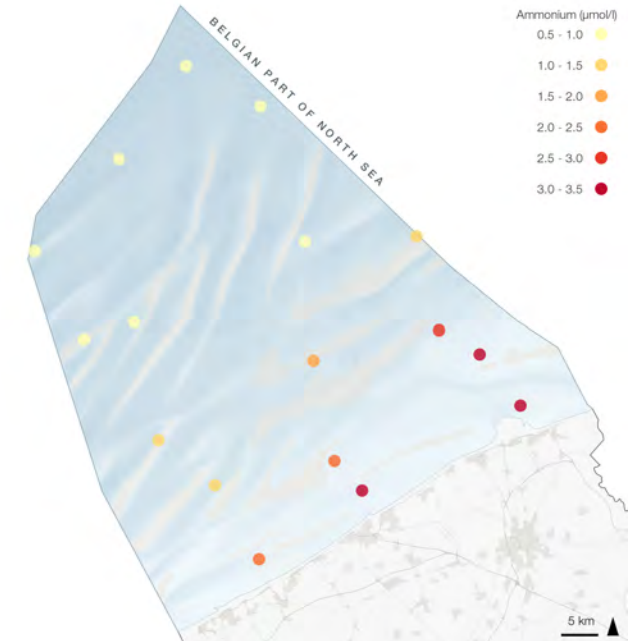
Network of acoustic recorders to collect data on species presence and behavior in the coastal zone

LOCATIONS

The LifeWatch sensor network locations and the 17 sampling stations are spread over the Belgian Part of the North Sea. In addition to the fixed measurement locations, the Research Vessel Simon Stevin collects data along its trajectory during monthly and seasonal sampling campaigns.



LifeWatch data is available via info@lifewatch.be or the LifeWatch data explorer (www.lifewatch.be/en/lifewatch-data-explorer). The **LifeWatch data explorer** allows you to explore the data, visualize it in graphs and maps (see below for examples for ammonia and salinity), and download it for further processing in the context of your projects.



DATA AVAILABILITY

The **LifeWatch Species Information Backbone** virtually combines and integrates different databases and data systems on taxonomy, biogeography, ecology, genetics and related literature. By doing so it facilitates the standardisation of biodiversity data from internal and external repositories and operating facilities.



The backbone forms the driving force behind the **LifeWatch E-lab**, including 16 web services which allow users to standardize, analyze and visualize data:

- Data validation and QC services
- Geoservices
- MarineRegions gazetteer services
- Taxon match services (WoRMS Regional and thematic species database)
- Taxon observations
- Other Taxon observations
- Tidal services
- Geographical services (administrative boundaries, bathymetry, biogeographical classification, features, marine protected areas, biological valuation)



MARINE DATA, RESOURCES AND SERVICES TO SUPPORT YOUR COMPANY

LifeWatch Belgium is part of the European infrastructure consortium providing e-Science research facilities related to biodiversity and ecosystem functioning. The LifeWatch data explorer provides open access to collected data, metadata, data products and services. This enables you to gain better information to plan and implement your industry activities.



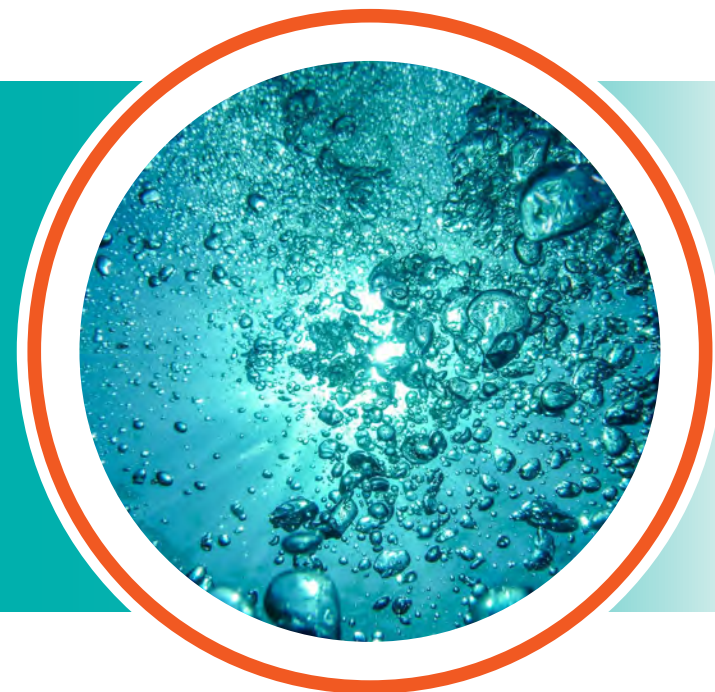
www.lifewatch.be



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