



# dbSEABED: Information Integration System for Marine Substrates

**The world's largest seabed database**

By efficiently integrating thousands of individual data, dbSEABED can be used to create unified, detailed GIS maps of the materials that make up the seabed. The goal is to bring decades of seabed information - and today's latest information - from marine geology, biology, engineering and surveys into one seabed mapping that can fulfil the community needs for ocean-bottom information on many spatial scales. The system deals with seabed texture, composition, acoustic properties, colour, geology and biology.

## Properties

- Comprehensive, detailed and accurate mapping of key seabed features
- Over 6 million data points (worldwide)
  - 11.400 input data sets
  - 4.843.589 described seabed sites
  - 211.468 described drilling sites
  - 6.787.190 observed/analysed samples
- Cell resolution of 1 km/resolution of properties 10 km
- High adaptability by the experts at Corvus Works

## Applications

- Numerous evaluation possibilities due to the targeted adaptation to the customer.
- Some examples of current use:
- calculation of drift and mobilisation of objects on the seabed with dbSEABED bottom data
  - evaluation of the acoustic properties of the seabed
  - determination of carbonate content
  - support of pre-selection procedures for the construction of offshore wind farms and cable routes in the oceans

## Contact

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*Representation of the public European  
bottom samples, created with the  
dbSEABED data at Corvus Works.  
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More information:

