

Genetic tools for Ecosystem health Assessment in the North Sea region



9 institutes
in the North
Sea Region



Priority 3.2

Sustainable
North Sea
Region

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SCAN ME

DNA-based
identification can be
on average
75% faster
&
42% cheaper
compared to
traditional
methods

GEANS PILOTS

Bulk DNA pilots



Soft-bottom substrate

Optimization and harmonization of DNA-based methods across the North Sea region for macrobenthos, targeting impact studies, MSFD monitoring and long term biodiversity studies.

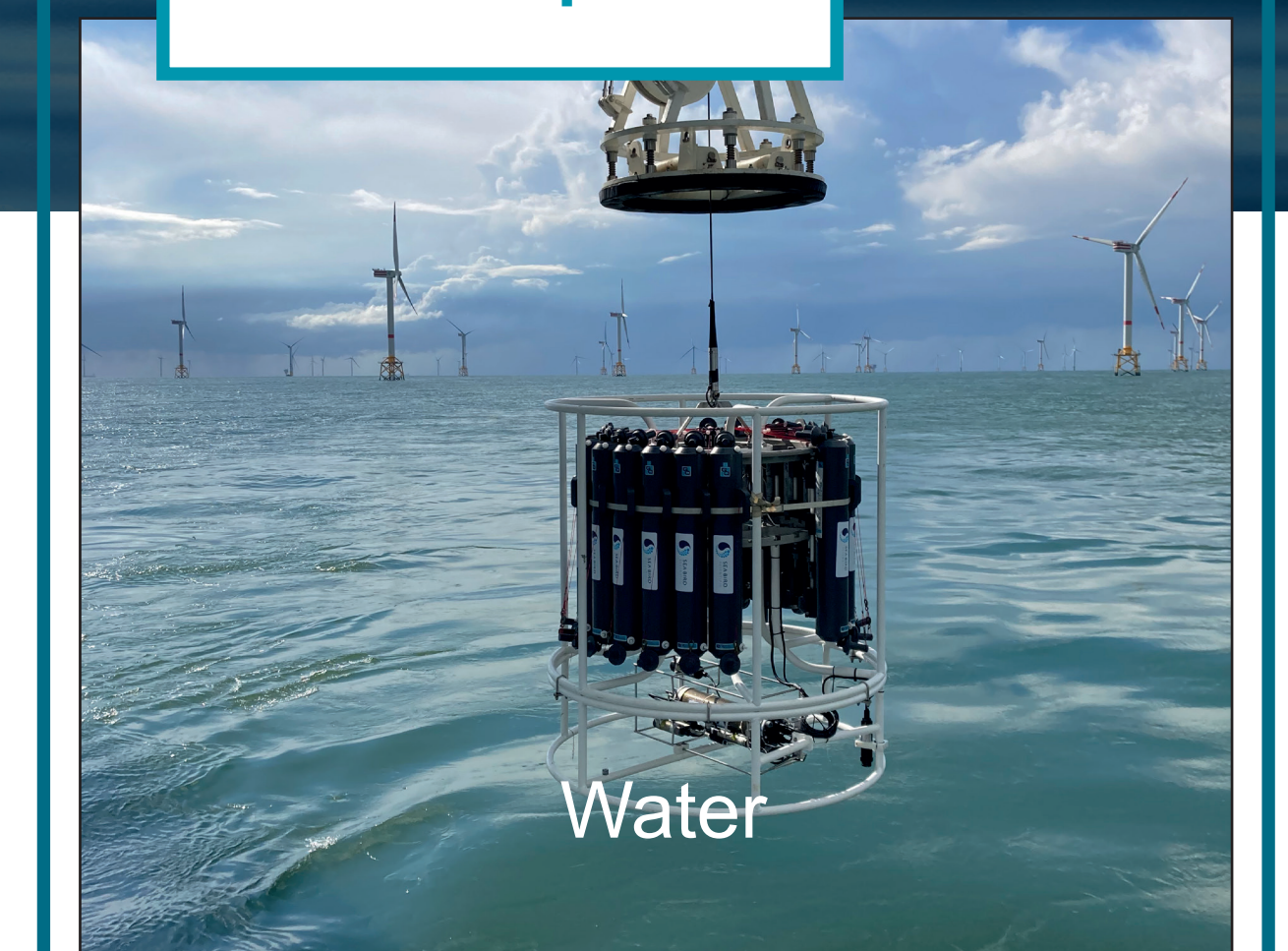


Application of genetic protocols, in combination with ARMS (Autonomous Reef Monitoring Structure), for the assessment of ecological status and changes in hard bottom benthic communities of near coastal environments.



Using DNA-based methods to improve traditional NIS monitoring in harbors and render it more cost- and time-efficient as well as more accurate.

eDNA pilot



Water

Proof of concept for the use of eDNA in the dynamic North Sea environment, including tests in wind farms and reefs.