Soft sediment monitoring for the Marine Strategy Framework Directive

North Sea Region GEANS European Regional Development Fund



GEANS STORIES



(GEANS data 2023, based on samples taken in 2019)

- Significantly <u>more species</u> were detected with traditional <u>morphology-based</u> identification than with the eDNA - only 10 species were found by both methods.
- Diversity patterns were similar across stations
- A clear distinction was seen with both methods between deeper and shallower stations. However, the species explaining the differences between the two depth zones were completely different!

Sediment eDNA obtained from a very small syringe sample hardly provides a representative picture of the metazoan species detected with a larger grab sample. It is, however, able to detect ecological patterns linked to differences between stations and depth zones.

World of biodiversity



Ecosystem Analyses XX

SEAN ALYTICS AB



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