



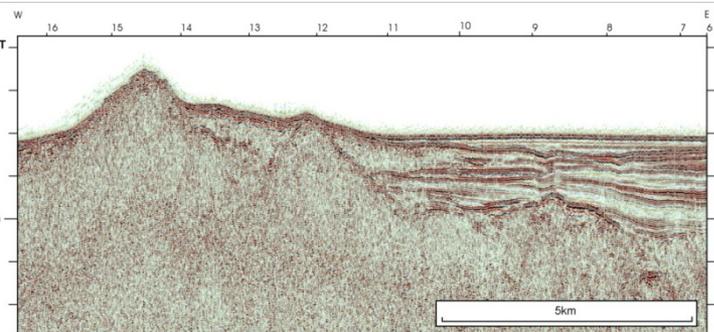
British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

Applied geoscience for our
changing Earth

celebrating
175
years

BGS Marine Operations & Engineering

Edinburgh, Scotland



BGS Marine Operations & Engineering

What do we do?

**Hydrographic
& Geophysical surveys**

BGS/UK science/
Commercial

Drilling/Coring

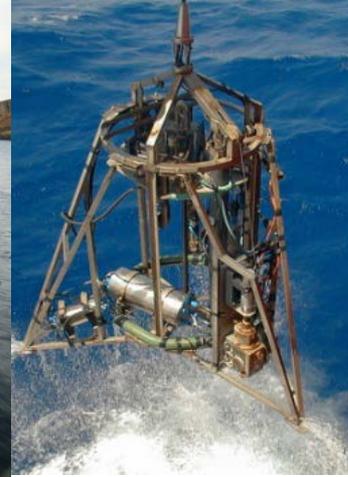
Equipment development

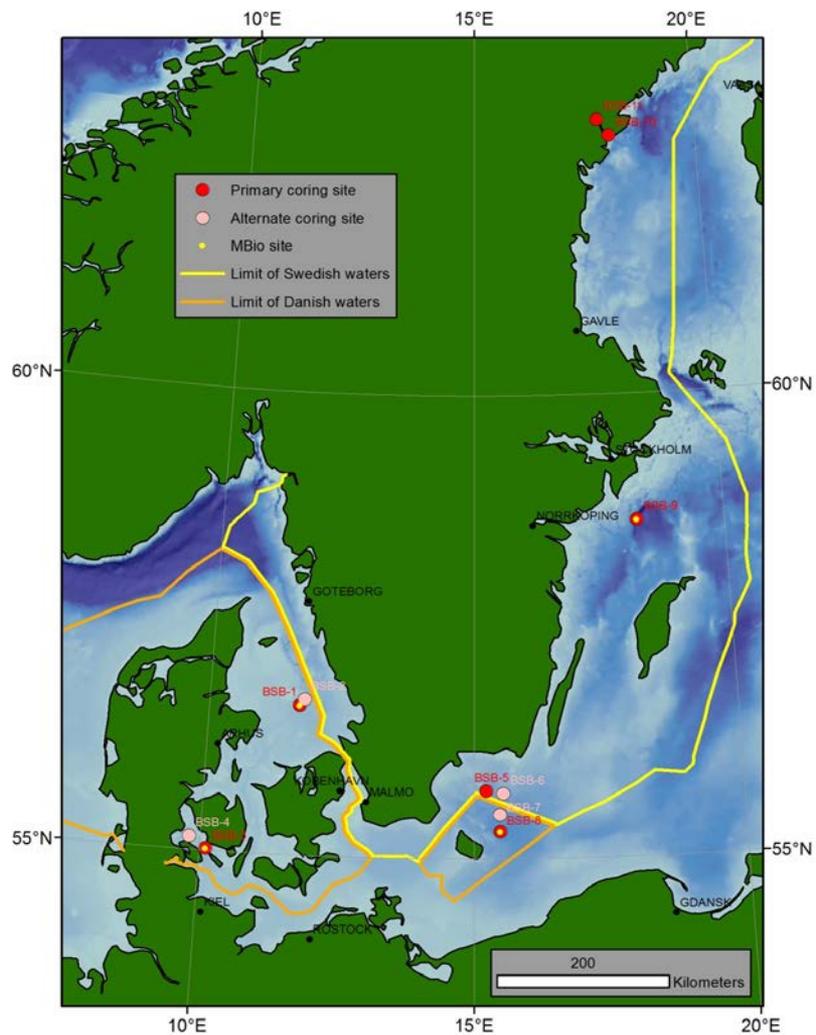
**Project Management
& Logistics**

BGS/IODP/UK & International Science/Commercial



RD2
Coring Platform
Light weight Coring
Downhole tools/sensors
Other





BALTIC SEA PALEOENVIRONMENT IODP Expedition 347



Team Building/Collaboration

ESO

Operations

BGS from 2 sites, UK

EPC – Logging

Leicester University, UK

Montpellier, France

Aachen, Germany

Core Management and Curation

Marum – Bremen, Germany

Drilling/Coring

Island Drilling

Geoquip Marine

Drilling Platform

Greatship Shipping

CO-Chiefs Scientists

Sweden, Denmark

Scientists

Worldwide

Building projects from scratch





Contaminated areas





Complex operation, built from scratch
1600m of core
97% recovery
>6000 samples



42 days operation (65 days)
Deepest hole cored in Baltic Sea
Complex Microbiology sampling
Completed 10 days early
Next: RD2/MeBo on JC on Atlantic Massif





BGS Seabed Drill - RD2
WD 4000m
Weight in water 5T
Penetration 50m
Core dia 63mm
Core run 1.7m



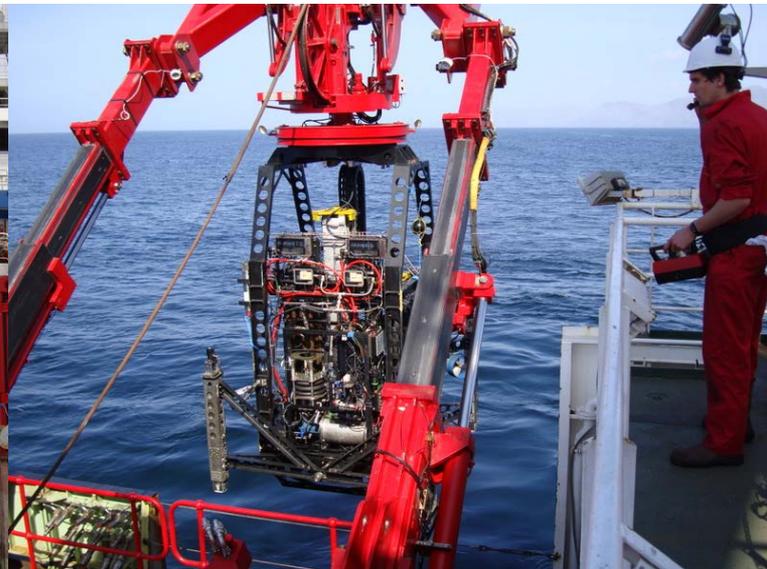


**British
Geological Survey**

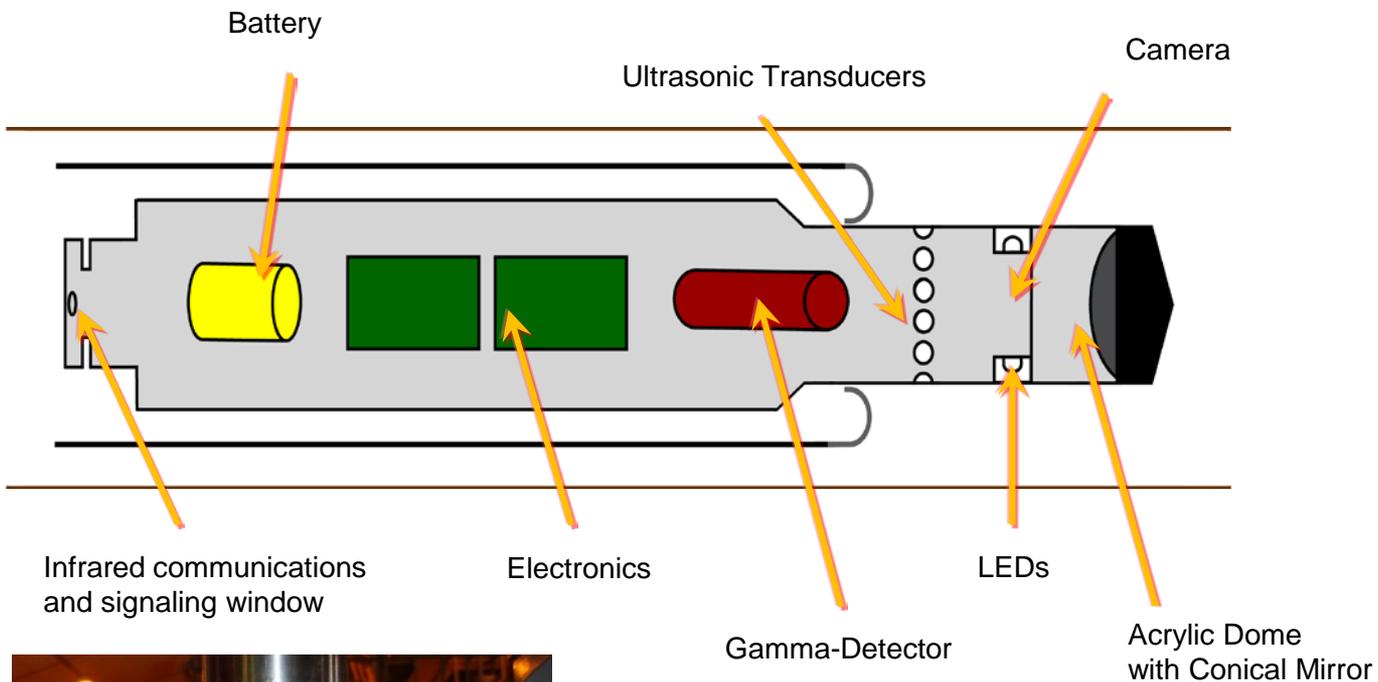
NATURAL ENVIRONMENT RESEARCH COUNCIL



Mobile and flexible system
A series of 20ft container packages
New 4600m mobile winch and umbilical



OAG Memory Logging Tool





Deep Water Vibrocorer

Operates to 2000m WD

Scientific requirement 5500m WD

Longer cable and winch?

Powerless umbilical

Acoustic telemetry control

Batteries

Hot stab from ROV