Renard Centre of Marine Geology

// Website research infrastructure

www.rcmg.ugent.be/equipment.html

Sampling, observation & survey infrastructure

Experimental facilities & analysis capacity

Data & information management and computing infrastructure

Infrastructure Categories	Infrastructure
Ship-based instrumentation	High and very-high resolution reflection seismic equipment: • In-house developed "Centipede" sparker [2,3] • SIG sparker [2,3] • Geopulse 3.5 kHz subbottom profiler [2,3] • Seistec boomer-receiver system [2,3] • Delph Seismic acquisition system (IXSEA) [2,3] Side-scan sonar: • Klein 3000 side-scan sonar [2,3] Multibeam swath-bathymetry echosounder: • Seabeam 1050 (50 kHz) [2,3] • Octans motion sensor [2,3]
Fixed platforms, moorings and landers	Technicap PPS 4/3 24S sediment trap [2,3]
Field instrumentation	Lake-coring equipment: • Uwitec coring platform [2,3] • Deep-water (300 m) piston and Livingston corer [2,3] • Bob corer [2,3]

Overview	PSA
Type of laboratory / analyses	• Sediment grainsize analysis (sedigraph, Malvern) [2,3] • Multi-sensor core logging (Geotek) [2,3] • Carbonate content of sediments (coulometry) [2,3]
Analysis equipment, services and techniques	• Geotek multi-sensor core logger (gamma density, magnetic susceptibility, spectrophotometer, high-resolution photo line scanning) and core splitter [2,3] • Malvern Mastersizer 3000 [2,3] • Sedigraph III plus [2,3] • UIC CM140 Coulometer with acidification unit [2,3]

Num. models, spec. software and comp. IR	Geophysical software packages (e.g. Kingdom Suite, RadexPro, ArcGIS, Fledermaus, etc.) [2,3]