



Partnership Profile

Universiteit Gent – Renard Centre of Marine Geology

Contact details

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Organisation type	University
Organisation size	Renard Centre of Marine geology (RCMG): ± 25
Research disciplines	Earth Sciences

Participant details



Prof. Dr. M. De Batist (marine geologist)
Dr. T. Missiaen (marine geophysicist)
V. Chademenos (geophysicist)

Organisation Details

The Renard Centre of Marine Geology has been involved for over 25 years in geological and geophysical investigations in oceans, lakes and estuaries. The main focus lies on acoustic techniques and coring. Major research themes include margin processes, engineering and environmental geophysics, gas hydrates and palaeoseismology. Research extends from the North Sea to the North Atlantic, Arctic and Antarctic, to south American, central Asian and African rift lakes.

The Renard Centre of Marine Geology is partner or coordinator in a large number of national and international research projects (over 30 in recent years), such as HERMIONE (Hotspot Ecosystem Research, EC-FP7), COCARDE (Cold Water Carbonate Reservoir Systems, FWO Int.), and SeArch (Marine Archaeology, IWT-SBO).

RCMG's database of seismic profiles in the Belgian part of the North Sea currently comprises roughly 18,000 km of total profile length, acquired in the course of the past 25 years. This data base makes the Belgian part of the North Sea probably one of the seismically most densely covered regions of the world, and forms a major asset for the TILES research project.

Areas of Activity related to Resource Management

Contributions to TILES relate to the following expertise: marine geology and geophysics; acquisition, processing and interpretation of marine geological (core) and geophysical (seismic) data; geological modelling. RCMG is at the core of the geological knowledge base, providing an interpreted geological layer model of the Belgian Continental Shelf (BCS), crucial for the integration with other datasets. In close collaboration with TNO this layer model will be developed into a 3D geological 'voxel' model of the subsurface.