



SIXTH FRAMEWORK  
PROGRAMME

# The Deep Sea Frontier Initiative

## from Continental Shelf to the Abyss

Combining the efforts of key research programmes across Europe for the Sustainable Development of the Sea Floor.

**ECORD**

European Consortium for  
Ocean Research Drilling



The International Marine Past Global Changes Study  
**images**



### Geohazards - earthquakes, submarine slides, turbidity currents, tsunamis

- understand and monitor with the aim of predicting

### Climate change

- define climate records in deep sea environments

### Development and conservation of deep sea ecosystems

- understanding natural and anthropogenic factors influencing biodiversity

### Resources and energy

- sustainable development of the deep margins
- new resources, sequestration of greenhouse gas

New technologies, involving submarine cables, fast data transfer, scientific instruments in bore-holes and on the sea-bed, will radically change our abilities to study and monitor this science frontier and achieve its sustainable development over the next decades. The Deep Sea Frontier Initiative will provide a forum for European scientists in this rapidly evolving research area.



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