## Quality assurance

***Scientific Diving***

describes the subaquatic application of scientific methods by specially trained scientists. The team transfers established research methods and skills to the medium “water”. Our interdisciplinary concepts are focused on earthsciences and additional biological and chemical methods. In-situ investigations allow scientists an immediate proximity to the objects of interest and ensure high quantity and quality of data. In other words: We can **see** the exact spot where samples or measurements are taken. This guarantees the detailed documentation of working process, ambient parameters and possible environmental influences. Compared to conservative approaches we gain a comprehensive and overall impression on the area of investigation.

Scientific Diving neither starts nor ends at the interface between water and air. It also includes a sophisticated operations scheduling in advance as well as conscientious post-processing like the evaluation and presentation of collected data. Furthermore the development of special underwater tools is a key factor that facilitates scientific work under water.

***We ensure quality assurance by:***

- certification of our staff by CMAS International
- cooperation and international networking with specialists of diverse disciplines and subjects
- constant education and advanced training of our staff on highest scientific level
- order-related procedures to guarantee QA


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***The Company***

GeoWiD is a young and highly motivated company, which deals with geoscientific questions in both, terrestrial and marine environments. Our team consists of graduate geologists, geoecologists and bioscientists, all certified CMAS International Scientific Divers. We provide competence in a variety of geoscientific fields and aim to give you qualified answers concerning your underwater questions. Our flexible concept offers you a range of opportunities to find new approaches to problem solving.

Call us or send an e-mail – we are looking forward to advising you and to providing a tailor made quotation to best suit your project needs.

Please see our brochure for more information.


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Europäische Union

Europa fördert Sachsen.
ESF
Europäischer Sozialfonds




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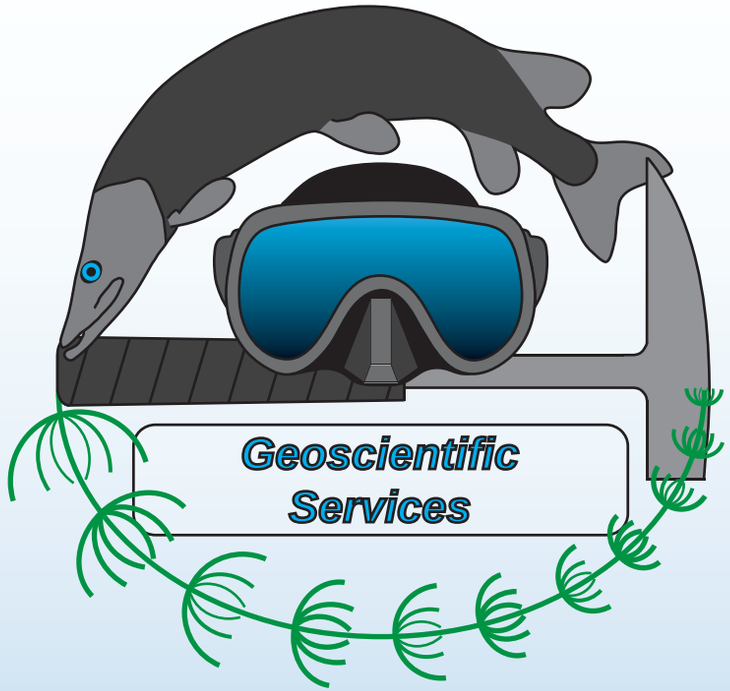



# Scientific Diving

### *Mapping*

- ***Geological mapping:***
  topography, morphology, lithology, petrography, paleontology, slope- and special mappings

- ***Biological and ecological mapping:***
  state of aquatic systems (e.g. mapping of macrophytes), species / diversity / distributions (biocoenosis), biotopes, ecological parameters

- ***Physical and chemical mapping:***
  quantitative monitoring of heat and temperature (e.g. in sediments, water- & gas phases), physical and chemical measurements of in-situ parameters (T, Cond., redox potential, pH-value, etc.)

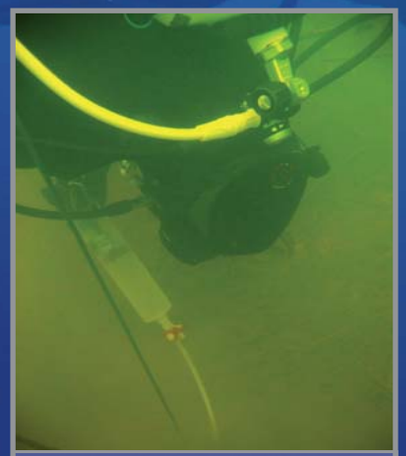
Sediment coring by PVC-Liner (LiSSa) for geotechnical analysis (SDC, 2011)

### *Sampling*

- sampling of hard rock and sediments, water / fluids, gas , suspended material, biota

- usage for sedimentological / petrological / geochemical analysis, water quality analysis, chemical characterisation, taxonomy

- performance of undisturbed samplings, separated sampling of different phases, etc.



Watersampling for (hydro-) chemical analysis by a Scientific Diver

### *Documentation*

- archaeological documentations
  (e.g. excavation, surveying, salvage)
- technical documentations
  (e.g. underwater buildings or instruments)
- individual documentations
- further photo and video documentations


Pilot studies to prepare subaquatic investigations in shallow waters

(SDC, 2011)