TEAM

101 members, including :
► 40 researchers (6 UBS)
► 26 doctoral students (2 UBS)
► 4 engineers UBS

CONTACT US

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► Notre site internet
► Notre page Facebook
► Notre page Linkedin

PARTNERS

UMR 6538
OCEAN GEOSCIENCES LABORATORY
LGO UBS

LGO is a multidisciplinary geoscience laboratory encompassing geology, geophysics, geochemistry, sedimentology, and paleontology related to paleoclimatology, paleobiosphere and human settlements.

Research is applied to Earth's mantle, crust and surface, paying particular attention to modern and ancient ocean regions. The laboratory examines the ocean bottom and bedrock from the deep seas to the coastal regions and the land-sea interface.

LGO is incorporated into :
► the European University Institute of the Sea (IUEM).

A few researchers are also part of :
► the European University Institute of the Sea (IUEM) ;

► the Naval Hydrographic and Oceanographic Service (SHOM) ;

► the Centre for Studies and Expertise on Risks, Environment, Mobility, and Urban and Country Planning- Water Sea and Rivers (Cerema - Water Sea and Rivers) ;

► the Institute for Energy Transition (ITE) France Marine Énergies (FEM).

SCIENTIFIC COLLABORATION

International : UK, Italy, Germany, Spain, Tunisia, Morocco, US, Japan, Brazil, Australia, Ethiopia, Cameroun, Guinea, India, Malaysia

SCIENTIFIC DOMAINS

Marine and coastal sciences
Geochemistry
Geology
Geophysics
Paleoclimatology

APPLICATION SECTORS

Marine and coastal environments
Marine and coastal human activities
Sustainable marine energies
Extreme events and resilience

EXPERTISE

Marine and coastal sedimentology
Coastal morphodynamics
Tectonics and structural geology
Geomorphology
Micro-organisms and biodiversity
Geochemistry
Hydrodynamism and coastal instrumentations
ICZM and human activities
Structure from Motion Photogrammetry
Sustainable coastal and marine management
Citizen coastal sciences

SPECIFIC EQUIPMENT

► **Topography** : DGPS, tacheometer, UAVs
► **Bathymetry :** Single beam echosounder
► **Stratigraphy :** Sparker seimic system
► **Altimetry** : Altus© NKE
► **Probes :** CTD, Sambat multiparameter probe
► **Hydrodynamics** : Currentmeters, pressure sensors
► **Sampling** : Sampling grab, core drilling, Niskin bottle, auger
► **Granulometry** : Dry and wet sieving tools, laser grain sizer, turbidity, filtration
► **Other tools :** Microscopes, binocular microscopes, Mass spectrometry system
► **Softwares** : ArcGis, Qgis, Fleddermaus, Metashape, Illustrator, Photoshop, Lightroom, Premiere Pro, Mike 21, Swan, KoGeo, eMotion, GS RTK, Delph system acquisition, Teledyn, Nortek

EDUCATION

► **Doctoral school** : Coastal and Marine Sciences (SML). ED SML n°598
► **Master UBS** – Earth and planets sciences, environnement : Coastal and marine geosciences

Coastal environment

Sediment transport

Erosion-Siltation

Morphosedimentary dynamics

Paleoclimatology bioindicators

Marine level