

Export of Lab Experiments

| label | subject | species | description | dateStart | dateEnd | leader |
|---|--|--|--|-----------------------|-----------------------|---------------------|
| 1st Mesocosm Experiment | Effekte der Ozeanversauerung | | Ort: Gotlandsee | 2007-07-01 00:00:00.0 | 2007-07-31 00:00:00.0 | Riebesell, Ulf |
| 2nd Mesocosm Experiment | Effekte der Ozeanversauerung | | Ort:55°10'N/16°50'E driftendes System bestehend aus 6 Mesokosmen | 2008-07-04 00:00:00.0 | 2008-07-27 00:00:00.0 | Riebesell, Ulf |
| Arctic Tracer Product | | | | 2017-05-24 00:00:00.0 | 2017-05-24 00:00:00.0 | Tanhua, Toste |
| BASS SURF Wilhelmshaven | Biogeochemical processes in the sea surface microlayer | Nitrous Oxide, Methane, Dimethyl Sulfide, Isoprene, Carbon Disulfide | Within our subproject (SP2.1 of BASS, Pls Hermann Bange and Christa Marandino) we examined the influence of SML on trace gas biogeochemistry in the SURF facility in Wilhelmshaven using Jade Bay water. | 2023-05-16 00:00:00.0 | 2023-06-16 00:00:00.0 | Wurl, Oliver |
| Benthocosm | RETAKE - WP1.4 | | 9 benthocosms, 3 replicates, treatments with dunite (olivine), carbonate, and without mineral addition (control). Benthocosms filled with sediments from Boknis Eck, Eckernförder Bight, Baltic Sea and overflowed with deep Kiel Fjord water. | 2022-02-01 00:00:00.0 | 2023-10-01 00:00:00.0 | Geilert, Sonja |
| Benthocosm | Mesograzers | | | 2017-01-01 00:00:00.0 | 2017-10-01 00:00:00.0 | Wahl, Martin |
| Cape Verde Mesocosm Experiment May 2012 | Mesocosm | | 2 runs with 16 mesocosms, 3 replicates, Treatment=N:P ratios. Mesocosm filled with surface water. | | | |
| Culture Experiment | RETAKE - WP1.2 | Emiliana huxleyi | We studied the sensitivity of the coccolithophore species Emiliana huxleyi, to ocean alkalinity enhancement in a culture experiment. We monitored the species' growth and calcification response to progressively increasing levels of total alkalinity (TA) identifying threshold values above which E. huxleyi growth rate diminished. | 2022-03-01 00:00:00.0 | 2024-07-31 00:00:00.0 | Riebesell, Ulf |
| Dissolution Experiments | Mineral dissolution kinetics and stability | | D5.1: Data set on the dissolution experiments | 2020-07-01 00:00:00.0 | 2022-07-01 00:00:00.0 | Hartmann, Jens |
| Fish egg buoyancy | | Cod (Gadus morhua) | Cod eggs are stripped from adult fish onboard of RV's and their density is determined using salinity gradient columns - other measurements are: stage, size, DW (subsamples), collected for genetic analysis | 2014-04-01 00:00:00.0 | 2014-05-01 00:00:00.0 | Petereit, Christoph |
| Flow-through experiment | dissolution kinetics | | | 2022-01-07 00:00:00.0 | 2022-01-07 00:00:00.0 | Diehl, Alexander |

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|---|---------------------------|-----------------|--|-----------------------|-----------------------|--------------------------------|
| Fluid Injection in stratified flow field | | | PIV and LDA measurements of a density stratified flow field, in which some fluid is injected | 2021-11-01 00:00:00.0 | 2022-03-31 00:00:00.0 | Graf, Kai |
| GELATO | Volcano Analog Experiment | | Our experiments involved inducing crack propagation in gelatin by injecting a finite volume of air, with a camera capturing the crack shape, trajectory, and velocity. Sixteen high-frequency accelerometers on the gelatin surface recorded the resulting seismic signals. The propagation of the crack produced several events characterized by relatively low frequencies within the crack. | 2021-08-25 00:00:00.0 | 2021-08-27 00:00:00.0 | Furst, Severine |
| Gene expression analysis in Atlantic Herring in response to Temperature and CO2 | | Clupea harengus | treatments: 3 levels of CO2 (Espegrend) (380, 1800, 4200uatm), 2 levels of CO2 (ambient, 1000ppm) & 2 levels of Temperature (ambient, 13°C) crossed design (Kristineberg) | 2014-04-01 00:00:00.0 | 2014-07-18 00:00:00.0 | Clemmesen-Bockelmann, Catriona |
| Helgoland Acoustic Receiver Net (HELGARN) | Marine Ecology | Fishes | Net of acoustic receivers for movement and behavioural tracking of various fish species in the MarGate Net of Helgoland | 2025-06-02 00:00:00.0 | | Monk, Christopher |
| Kiel Bight Acoustic Receiver Net (KIBARN) | Marine Ecology | Fishes | Net of acoustic receivers for movement and behavioural tracking of various fish species in the Kiel Bight area. | 2025-03-21 00:00:00.0 | | Monk, Christopher |
| KIMOCC | Culture Methods | several | The Cluster's Kiel Marine Organism Culture Centre (KIMOCC) provides advanced culturing techniques for experiment with marine organisms like e.g. deep-sea bivalves, ctenophores, microalgae or cnidaria. | 2013-10-15 00:00:00.0 | | Melzner, Frank |
| KOSMOS 2009 Boknis Eck | Mesocosm Experiment | | Boknis Eck in Kiel Bight at about 54.538N, 10.038E | 2009-05-20 00:00:00.0 | 2009-07-05 00:00:00.0 | Riebesell, Ulf |
| KOSMOS 2010 Svalbard | Mesocosm Experiment | | Kongsfjorden, Ny- Alesund, on the north-west coast of Spitsbergen, Svalbard archipelago, Norway | 2010-05-31 00:00:00.0 | 2010-07-08 00:00:00.0 | Riebesell, Ulf |
| KOSMOS 2011 Bergen | Mesocosm Experiment | | Espegrend Marine Biological Station of University of Bergen, Raunefjord, Norway | 2011-06-01 00:00:00.0 | 2011-07-31 00:00:00.0 | Riebesell, Ulf |