

AQUACOSM - Opening for Transnational Access (TA) in 2019

updated 31.10.2018

Mesocosm Facility	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 FVB-IGB IGB-LakeLab							A					
2 UiB Mesocosm Centre												
3 NIOO/KNAW Limnotrons	B			C								
4 HCMR Cretacosmos					D				E			
5 METU Mesocosm system					F							
6 GEOMAR KOSMOS								G				
7 GEOMAR KOB BENTHOCOSM				H								
8 CNRS-MARBEC MEDIMEER					I							
9 UMU MF-UMSC												
10 WCL LMI-1A AquaScale						J						
10 WCL LMI-1B LipTox						K						
10 WCL LMI-2B EcoCatch												
11 LMU SLS-Mesocosms					M		N					
12 ENS PLANAQUA Outdoor												
12 ENS PLANAQUA ExpLakePlatform	O											
13 AU LMWE				P								
14 SYKE-MRC				Q								
15 UH Tvarminne							R					
16 CIBIO UE-Iberian Ponds	S											
17 IMPERIAL SMF	T											
18 NIVA SEF-Hard Bottom												
18 NIVA SEF-Flumes												
19 UBA FSA					U							
19 UBA FSA					V							

- X planned mesocosm experiment with space for AQUACOSM funded participants (title and lead below)
- open time slot for mesocosm experiments not already planned with space for AQUACOSM funded users' own projects
- not available for AQUACOSM Transnational Access activities

Experiments planned at facilities of the AQUACOSM partners, open for Transnational Access in 2019

A	Connectivity and Synchronisation of Lake Ecosystems: Following a phytoplankton bloom by manipulating connectivity and retention time in a large-scale enclosure experiment. Project lead: Stella Berger and Sabine Wollrab. Planned in August 2019 with 2 weeks flexibility before and after.
B	EMERGEDISRUPT: Can emerging pollutants such as pharmaceuticals and microplastics affect trophic interactions in the aquatic foodweb? Project lead: Lisette de Senerpont Domis and Ellen van Donk. 01 January-31 March 2019.
C	Can extreme climatic events affect the robustness of aquatic ecosystem restoration? Project lead: Lisette de Senerpont Domis and Cleo Stratmann. 01 April-31 July 2019.
D	Experiment I: Addressing the impacts of a low-dose addition of silver nanoparticles vs. silver ions in a coastal marine ecosystem. Project leader: Dr. Paraskevi (Vivi) Pitta, Ms. Anastasia Tsiola
E	Experiment II: Deepening the knowledge on the dissolved phosphorus uptake in the P-limited Eastern Mediterranean. Project leader: Dr. Paraskevi (Vivi) Pitta, Ms. Ioulia Santi, Mid sept - mid Oct 2019.
F	Systems responses to recurrent pulses of dissolved organic carbon (DOC), Project Lead: M. Beklioglu. May 1st- July 31st 2019.
G	Impact of nutrient stoichiometry on trophic transfer efficiency and export potential: Manipulating the Si:N ratio to test for the quantitative importance of diatoms in food web dynamics and export fluxes. In the framework of the ERC project Ocean Artificial Upwelling. Project lead: Ulf Riebesell. Exact dates TBD.
H	The effect of warming on macroalgae-consumer-parasite interactions. Project lead: Martin Wahl. 01 April - 30 October 2019.
I	"Summer in Spring", Heat wave effects on Mediterranean Plankton communities: Resistance, Resilience and Recovery (Heat Plank 3R). Project Lead: Francesca Vidussi and Behzad Mostajir. Planned for one month during May-June 2019.
J	Mixotrophy under future climatic conditions: Studying the effect of increasing inputs of allochthonous carbon and rising water temperatures on the microbial food web, particularly focused on mixotrophic protist. Project lead: Robert Fischer & Robert Ptacnik
K	Effects of climate change on contaminants in the planktonic food web: assessing the role of temperature and DOM on mercury (THg and MeHg) allocation in 24 land-based mesocosms. Project lead: Martin Kainz. 01 June - 31 August 2019.

M	Trait-related feedback dynamics in natural plankton communities. Large scale mesocosms experiment (within DynTrait). Project lead: Maria Stockenreiter. May to June 2019.
N	Experiments on benthic pelagic coupling and the sensibility to heat waves and agricultural run-off. Project lead: Herwig Stibor July 2019
O	New insights on the links between global changes, community structure and ecosystem stability (ECOSTAB). Project lead: Gérard Lcroix and Elisabeth Thébault. Jan-Dec 2019.
P	Tracking the effects of changes in nitrogen loading at contrasting climate scenarios. Project lead: Erik Jeppesen. April 2019 and onwards.
Q	DOC runoff effects on coastal Baltic Sea spring bloom communities. Project lead: Timo Tamminen. April-May 2019. Exact timing to be confirmed.
R	UH participates in the Joint Mesocosm Experiment JOMEX: System responses to DOC a pulse, utilizing pelagic mesocosms in the brackish water environment of the Baltic Sea. Project lead: Marko Reinikainen. Tentative time-window 24 June -19 July (open for discussions with TA users)
S	Multi-site climate change experiment (flooding, warming and drought) from semi-arid regions to mountain-top locations across the Iberian Peninsula. Project lead: Miguel Matias and Miguel Araújo. Jan-Dec 2019.
T	96 mesocosms in a long-term climate warming experiment with treatments including ambient conditions, gradients of warming (+1.5oC to +8oC) and extreme warming events. Project lead: Prof Guy Woodward. Jan-Dec 2019.
U	Suitability and limits of passive samplers for monitoring of contaminant loads in small water bodies. Project Lead: Stefan Meinecke. May-Nov 2019.
V	Degradation of plastics in the shoreline of fresh water bodies. Project Lead: Stefan Meinecke. May-Aug 2019.