AQUACOSM - Opening for Transnational Access (TA) in 2019

updated 2.11.2018

	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					U							
18	NIVA SEF-Flumes												
19	UBA FSA					V							
19	UBA FSA					W							

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 Domisand 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. Planed 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	NIVA Hard bottom 12 large mesocosms with seaweed ecosystem studies testing two stressors each and in combination. Stressors will be suggested as a follow up of the 2018 experiment with mesopredators (small fish and crabs) effects on the ecosystems during ca. 6 months. The 2018 ecperiment was successful, but the conditions with hot summer and no precipetation was extreme and and a repetition of this particular experiment will be interesting under assumed different ambient conditions. Project lead: Hartvig Christie. Mai-Oct 2019.
V	Suitability and limits of passive samplers for monitoring of contaminant loads in small water bodies. Project Lead: Stefan Meinecke. May-Nov 2019.
W	Degradation of plastics in the shoreline of fresh water bodies. Project Lead: Stefan Meinecke. May-Aug 2019.