

AQUACOSM - Opening for Transnational Access (TA) in 2020

updated 31.08.2019

Mesocosm Facility		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	FVB-IGB IGB-LakeLab							1					
2	UiB Mesocosm Centre												
3	NIOO/KNAW Limnotrons												
4	HCMR Cretacosmos					4							
5	METU Mesocosm system					5							
6	GEOMAR KOSMOS		6										
7	GEOMAR KOB BENTHOCOSM				7								
8	CNRS MEDIMEER												
9	UMU MF-UMSC			9	9.1								
10	WCL LMI-1A AquaScale						10						
10	WCL LMI-2B EcoCatch												
11	LMU SLS-Mesocosms			11.1	11.1	11.2	11.3						
12	ENS PLANAQUA Outdoor												
12	ENS PLANAQUA ExpLakePlatform				12								
13	AU LMWE	13											
14	SYKE-MRC								14				
15	UH Tvarminne				15								
16	CIBIO UE-Iberian Ponds	16											
17	IMPERIAL SMF	17											
18	NIVA SEF-Hard Bottom												
18	NIVA SEF-Flumes												
19	FSA UBA												

- # 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
- # Planned mesocosm experiment with space for AQUACOSM funded participants (call is closed)

Experiments planned at facilities of the AQUACOSM partners, open for Transnational Access in 2020

1	Assessing effects of browning and mixing on lake plankton communities by combining in-situ and remote-sensing approaches in large lake enclosures. Participation in JOMEX. Project Lead: Jens Nejstgaard and Stella Berger. Timing: Mid July to Mid August 2020. Information: https://www.aquacosm.eu/mesocosm/igb-lakelab/
4	Effect of brownification (JOMEX) and of a local source of DOC on the oligotrophic environment of the Eastern Mediterranean. This experiment will be a combination of WP6 and WP9. Project Lead: Vivi Pitta. Timing: May-June 2020. Information: https://www.aquacosm.eu/mesocosm/cretacosmos/
5	Determining the effects of increasing DOC and warming on the microbial and planktonic food web structure and efficiency. Project lead: M. Beklioğlu. Timing: May-July 2020. Information: https://www.aquacosm.eu/mesocosm/metu-mesocosm-system/
6	KOSMOS-Peru 2020: Effect of changing upwelling intensity on trophic transfer efficiency and export efficiency in the Peru upwelling system. Project Lead: Ulf Riebesell. Timing: February to April 2020 during a KOSMOS experiment in Peru. Information: https://www.aquacosm.eu/mesocosm/kosmos-kiel-off-shore-mesocosms-for-ocean-simulations/
7	Shifts in competitive hierarchies among native and invasive macroalgae under the influence of global change. Environmental parameters tested will be ocean warming, ocean acidification, eutrophication and (possibly) desalination. Project lead: Martin Wahl. Timing: April through September 2020. Information: https://www.aquacosm.eu/mesocosm/kob-kiel-outdoor-benthocosms/
9	Prokaryotic maintenance respiration, activities and structural adaptation at low temperature and starvation in the sub-Arctic (PROMAC). Project lead: Johan Wikner. Timing: March prior to the sub-Arctic spring bloom peak. Information: https://www.aquacosm.eu/mesocosm/mesocosm-facility-at-umea-marine-sciences-center-mf-umsc/
9.1	Project planned decision on funding will come later this fall, this may be an open time slot in the end we will report as soon as we know.
10	Role of connectivity for trophic interactions and integrity of pelagic food webs (at facility LMI 1A Aquascale). Project Lead: Robert Ptacnik. Timing: probably June/July 2020. Information: https://www.aquacosm.eu/mesocosm/lunz-mesocosm-infrastructure-lmi/
11.1	Interplay between trait diversity and ecological dynamics using aquatic communities as model system. Project lead: Maria Stockenreiter. Timing: May and April 2020. Information: https://www.aquacosm.eu/mesocosm/lmu-mesocosms/
11.2	Investigations of the pelagic-benthic coupling in aquatic systems and its potential interactions with stressors. Project lead: Herwig Stibor. Timing: May 2020. Information: https://www.aquacosm.eu/mesocosm/lmu-mesocosms/
11.3	Genetic and ecological characterization of invasive aquatic species. Project Lead: Herwig Stibor. Timing: June/July 2020. Information: https://www.aquacosm.eu/mesocosm/lmu-mesocosms/

12	<p>New insights on the links between global changes, community structure and ecosystem stability (ECOSTAB). Project Lead: Elisa Thébault and Gérard Lacroix. Timing: April -October 2020. Information: https://www.aquacosm.eu/mesocosm/national-experimental-platform-in-aquatic-ecology-planaqua/</p>
13	<p>Tracking the effects of temporary stratification under contrasting climate scenarios. Project Lead: Erik Jeppesen and Thomas Davidson. Timing: Jan-Oct 2020. Information: https://www.aquacosm.eu/mesocosm/au-lake-mesocosm-warming-experiment-lmwe/</p>
14	<p>Automated plankton imaging techniques and their application to food web responses and resilience. Project Lead: Timo Tamminen. Timing: 3 weeks in August/September 2020. Information: https://www.aquacosm.eu/mesocosm/syke-mrc-marine-research-centre-mesocosm-facility/</p>
15	<p>Impact of salinity change on food web interactions in marine plankton communities. Project Lead: Aleksandra Lewandowska. Timing: After the sea ice melts, April - May 2020. Information: https://www.aquacosm.eu/mesocosm/tvarminne-mesocosm-facility-tmf/</p>
16	<p>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. Timing: Jan-Oct 2020. Information: https://www.aquacosm.eu/mesocosm/iberian-pond-network-ipn/</p>
17	<p>What are the impacts of warming and chemical cocktails on freshwater ecosystems? Project Lead: Guy Woodward. Timing: this is a long-term experiment involving 96 mesocosms. Heating started in September 2018 and chemicals were added in April 2019. Information: https://www.aquacosm.eu/mesocosm/silwood-mesocosm-facility-smf/</p>