



EU network of mesocosms facilities for research on marine and freshwater ecosystems open for global collaboration

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Dr. K. Ali Ger

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Confirmation of acquiring and leading three AQUACOSM(-plus) Transnational Access projects

Stechlin, 06.07.2023

Dear Dr Ger,

We are delighted to provide you with this letter of confirmation regarding your successful acquisition of funding and leading three projects in the framework of the Transnational Access programme of the H2020 projects AQUACOSM and AQUACOSM-plus.

The information below documents the AQUACOSM and AQUACOSM-plus Transnational Access projects led by K. Ali Ger.

Jens C. Nejtgaard
Coordinator of AQUACOSM-plus

AQUACOSM-plus:
H2020-INFRAIA-2018-2020 / H2020-INFRAIA-2019-1 Project under the Grant Agreement number 871081

Coordinated at the
Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB)
im Forschungsverbund Berlin e.V.
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- 1. PPERDOC (2019):** Linking Pattern and Process when evaluating the Effect of Recurrent DOC pulses on plankton dynamics
Team: K. Ali Ger (TA leader), Maria Špoljar, Claudia Fiorentin, and Sanja Gottstein
Compared the top-down effects of zooplankton with contrasting traits to the bottom up effects of allochthonous matter (AM) with different qualities. Learned that the consumption pathway of AM is regulated not only by its quality but also by the traits of co-occurring zooplankton. Manuscript in preparation.
- 2. TDOCEPTI (2020):** Temperature and Dissolved Organic Carbon Effects on Plankton Trophic Interactions.
Team: K. Ali Ger (TA leader), Sarah Hasnain
Evaluated the maternal effects of warming on Daphnia thermal tolerance, grazing, stoichiometry, and excretion, using a reciprocal transplant experiment. We found that maternal exposure to higher temperature reduced grazing and increased body P content while reducing P excretion. Manuscript in preparation.



3. **SALGRA (2021)**: Salinization effects on zooplankton grazing and herbivory
Team: K. Ali Ger (TA leader), Egor Zadareev, Tatiana Lopatina.
Evaluated how salinization changes trophic interactions by quantifying in-situ zooplankton grazing on autotrophic and heterotrophic prey during the main mesocosm experiment. 2) Link pattern (i.e., plankton dynamics) with process (i.e., zooplankton grazing) in the host mesocosm experiment. Samples are in analysis.

We wish you all the best and look forward to potential future collaborations.
Kind regards,



Dr. Stella A. Berger

Transnational Access Coordinator EU H2020-INFRAIA-projects AQUACOSM and
AQUACOSM-plus

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