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Right in the blooming season IGB repeats its algae growth experiments

The [Leibniz Institute of Freshwater Ecology and Inland Fisheries, Berlin \(IGB\)](#) analyses the effects of wind-induced mixing on the development of suspended algae (phytoplankton) in lake Taihu. For data comparison between non-bloom (field trip in april 2016: spring development of diatoms and green algae) and bloom of blue-green algae again three weeks of field experiments were performed at the Taihu Laboratory of Lake Ecosystem Research. During this September campaign additionally oxygen consumption as well as production were measured continuously. Changes in biomass due to the different simulated mixing conditions were further analyzed on the species level. The field work was again actively supported by the Nanjing Institute of Geography and Limnology of the Chinese Academy of Sciences (NIGLAS), whose members also discussed the first results with us. Future cooperation was projected with NIGLAS as well as with different Chinese Stakeholders at the SIGN mid-term meeting in Beijing.

莱布尼茨水生态和淡水渔业研究所于水华高峰期进行藻类繁衍情况测试

[莱布尼茨水生态和淡水渔业研究所](#) (IGB) 调研了风力扰动对藻类繁衍情况的影响。为对数据进行对比分析，考察了不同时间段藻类构成情况的差异：春季以硅藻和绿藻为主导，而九月份蓝藻水华情况较严重。在九月份于太湖湖泊生态系统研究实验室进行的为期三周的野外实验中，也对藻类初级生产（光合作用）及耗氧情况进行了连续的观察更新。另外，通过模拟不同的风力扰动条件对藻类生物量在种类水平上的变化情况进行了分析。此次野外工作一如既往地得到了中科院南京湖泊地理研究所(NIGLAS)的积极支持，并对调研的初步成果与其进行了讨论。德方项目团队还与中科院南京湖泊地理研究所及参与SIGN项目年中会议的中方伙伴商议了未来合作计划。

