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Second sampling campaign at Taihu in SIGN2

Three waterworks in Wujiang and Suzhou were sampled during the second sampling campaign of the SIGN2 project. For the first time, the group, consisting of partners from IWW, TZW, KIT, and RWTH Aachen University, also had the chance to visit another waterworks in Suzhou and to sample the processing of raw water from Lake Yangcheng into drinking water step by step with the active support of their Chinese colleagues on site. In this campaign the residence times in the various treatment stages were again always observed in order to be able to trace their respective effects on the same water sample. In addition, the KIT group was able to collect sediment core samples in the water catchment areas from two of the three waterworks in Tai Hu and Yangcheng Lake. The colleagues from CRAES organized a sampling of Wuli Hu and an adjacent river arm for both surface water and sediment cores and after the sampling they showed their laboratories and current experiments. The KIT installed a diffusion sampler ("Peeper"), a sediment trap ("Trap"), and an ADCP probe on the NIGLAS Jetty and was able to gain new insights for the further development of innovative monitoring technologies. Overall the sampling and sample preparation in the laboratory of Jiangnan University went smoothly thanks to the help and support of the Chinese partners and colleagues. The sampling team is looking forward to the upcoming campaign in August 2019.

SIGN2 于太湖开展第二次采样活动

SIGN2的第二次采样活动在吴江和苏州的三座自来水厂进行。来自IWW、KIT和RWTH Aachen组成的采样团队首次拜访了位于苏州的另一座自来水厂。在中方合作伙伴的支持下，他们在阳澄湖原水到饮用水的处理过程中进行了水样的分阶段采集。在本次采样过程中，不同水处理阶段的水力停留时间同样被考虑在内，其目的在于研究各处理阶段对于水样的影响。此外，来自KIT的团队在三座自来水厂水源地中的其中两个进行了沉积物样品的采集工作（太湖和阳澄湖流域）。来自中国环境科学研究院的同事组织了五里湖和邻近河流的样品采集活动，采集对象包括地表水和沉积物。在采样结束之后，研究院展示了他们的野外实验室和正在进行的试验项目。来自KIT的团队在中科院南京地理湖泊研究所码头测试安装了一个孔隙水采样器“Peeper”、一个沉淀物采集器“Trap”以及一个ADCP探头，为创新型在线监测设备的深入研发和改进提供了新的想法。采样活动及其准备工作在江南大学的实验室中顺利展开，感谢中方合作伙伴提供的帮助。采样团队期待着2019年8月的下一次的样品采集工作。

