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Sampling in the monsoon season - lots of water available at Taihu

The sampling team of [GAIA](#)C, [IWW](#), [KIT](#) and [TZW](#) encountered very special - i.e. flooded - conditions at Taihu this time. Crossings they could walk on in [November 2015](#) were only reachable by boat this time and the water level of Taihu reached up to almost 4 m: Nearly the double of it's usually water depth of 2 m. Nevertheless, different water sources were sampled: open lake water, ecological restoration wetlands at the shoreline as well as a drinking water treatment plant. The samples taken at this special condition will allow interesting comparison with the chemical and biological data obtained at normal water level. In order to take sediment samples including the overlying water zone a Mondsee Corer was utilized for the first time within the SIGN project. Furthermore the prototype of the profiling buoy - newly equipped with multiple sensors including a weather station and the FluoroProbe of [BBE](#) - was successfully applied. Again sampling was greatly supported by our Chinese partners from CRAES, Jiangnan University, NIGLAS and Tongji University.

水量饱和——季风时节的太湖水采样

季风为2016年6月/7月的水样采集工作带来了丰富的水量。太湖水深较平常的2米增加了几乎两倍。此次不仅在湖水水样采集过程，也在近岸湿地群落生境的采样中不得不使用船只。在2015年11月份由亚琛工业大学生态系统分析与评估研究所 (GAIA)C、莱茵威斯特法伦水研究所 (IWW)、莱茵威斯特法伦水研究所卡尔斯鲁厄理工学院 (KIT)、德国燃气与水工业协会-水处理工艺中心 (TZW) 进行采样时，该湿地区域还可经过小桥板无需湿脚便可到达。此次的采样活动因而为洪水条件与一般条件下生物、化学监测数据的对比提供了参照，不仅针对湖水水样，也针对水厂水样。为了对沉积物柱样包括洪水进行取样，在SIGN项目历史上首次应用了蒙德塞取样器 (Mondsee Corer)。另外还首次投入使用了剖面浮标仪原型装置，该装置带新式传感器配备，包括BBE公司的气象传感器及FluoroProbe野外藻类分析仪。中方伙伴单位中国环境科学院、江南大学、中科院南京地理湖泊研究所和同济大学再次为采样工作提供了有力的支持。

