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Demonstration of monitoring equipment to a delegation of the BMBF

The SIGN representatives were glad to meet Prof. Boqiang Qin, the head of the field lab at Taihu run by the Nanjing Institute of Geography and Limnology (NIGLAS), Chinese Academy of Sciences (CAS). Outside at the jetty the monitoring devices [BIOFISH](#) and [BIOLIFT](#) were explained and demonstrated in operation to the delegations from NIGLAS and BMBF (German Ministry of Education and Research: Project Management Agency and Project Office CLEAN WATER Shanghai) by technical staff from [BBE Moldaenke](#), [KIT](#) as well as the CEO of [ADM Elektronik](#).

The BIOLIFT - a vertically profiling multi-sensor system - is composed of

- [ADM Elektronik](#) multi-sensor system for temperature, turbidity, pH, oxygen saturation, chlorophyll a, photosynthetically active radiation, electrical conductivity and colored dissolved organic matter
- [BBE Moldaenke](#) Fluoroprobe for the monitoring of five different algae classes using a newly developed dark chamber for the prevention of light inhibition affects
- Vaisala weather sensor.

监测设备在德国教研部代表见证下投入户外使用

SIGN项目十分荣幸结识中国科学院南京地理与湖泊研究所（NIGLAS）太湖湖泊生态系统研究站站长秦伯强教授。户外甲板上，来自[BBE Moldaenke](#)有限公司和卡尔斯鲁厄理工学院（KIT）的技师向中国科学院南京地理与湖泊研究所和德国教研部代表团讲解了[BIOFISH](#)和[BIOLIFT](#)监测设备并由专业人士现场演示了其实际使用情况。

BIOLIFT设备可水平精确测量以下参数:

- 利用[ADM Elektronik](#)多传感器系统，测量温度、浊度、pH值、氧饱和度、叶绿素a、光合有效辐射、导电率和溶解态有机有色物质
- 利用[BBE Moldaenke](#)公司的Fluoroprobe野外藻类分析仪，附带新研发的防止光效应的暗箱，监测五种不同的藻类
- 利用维萨拉（Vaisala）牌的传感设备监测气象数据

