



The First TRENT Summer School 2022

The First TRENT Summer School has been successfully held in virtual format from 18. July to 1. August 2022. This Summer school was hosted by TRENT, KIT and Jiangnan University, and jointly co-organized by Suzhou University of Science and Technology (SUST), Nanjing University of Science and Technology (NJUST), Nanjing Tech University, Hohai University (HHU) and Tongji University.

The topic of this Summer School was “Lake Environment and Ecology”. In total 31 enrolled master/doctoral students and 15 guest students from Karlsruhe Institute of Technology, University of Koblenz Landau, Jiangnan University, Suzhou University of Science and Technology, Nanjing University of Technology, Nanjing University of Science and Technology, Hohai University, Tongji University and other universities in China and Germany completed the summer school study.

The Summer School is rich in courses (please see [agenda](#)). In total 11 professional course lectures and 4 cultural exchange lectures were given by German and Chinese experts, as well as students grouping together for student’ Seminar. The lectures covered topics such as online water quality monitoring system, water microbiology, German and EU water management policies, water environmental toxicology, application of remote sensing technology in surface water analysis, sediment nutrients, microbial ecology of rivers and lakes, constructed wetlands, cyanobacterial bloom mechanism and control strategy, lake algal bloom resource utilization, practice and thinking of cyanobacteria management in Taihu Lake, etc. The whole lectures program enriched and promoted the participants’ professional knowledge in the field of water environment and ecology. For more information please see [here](#).

The First TRENT Summer School mainly carried out joint summer teaching in the fields

of environmental science and engineering. In the future, the partners in Germany and China will continue to promote the organization of the TRENT summer school, strengthen the exchange, for joint training of talents in environmental disciplines. Furthermore, on the TRENT platform, both sides will take this opportunity to communicate closely and integrate in depth to promote the connection and cooperation of technical research in environmental fields and achieve win-win development.

TRENT Summer School

The TRENT Summer School provides intercultural education for master and PhD students for environmentally sustainable development relative to human activity. The cross-border format enables future generations to find solutions to global environmental challenges. Contributing to the basic science principles and research case studies as well as culture exchanges enables students to broaden their horizons, improve their language proficiency, and enhance their intercultural competencies at an early stage. The program is coordinated by Karlsruhe Institute of Technology (Germany) as part of TRENT's education outreach activities.



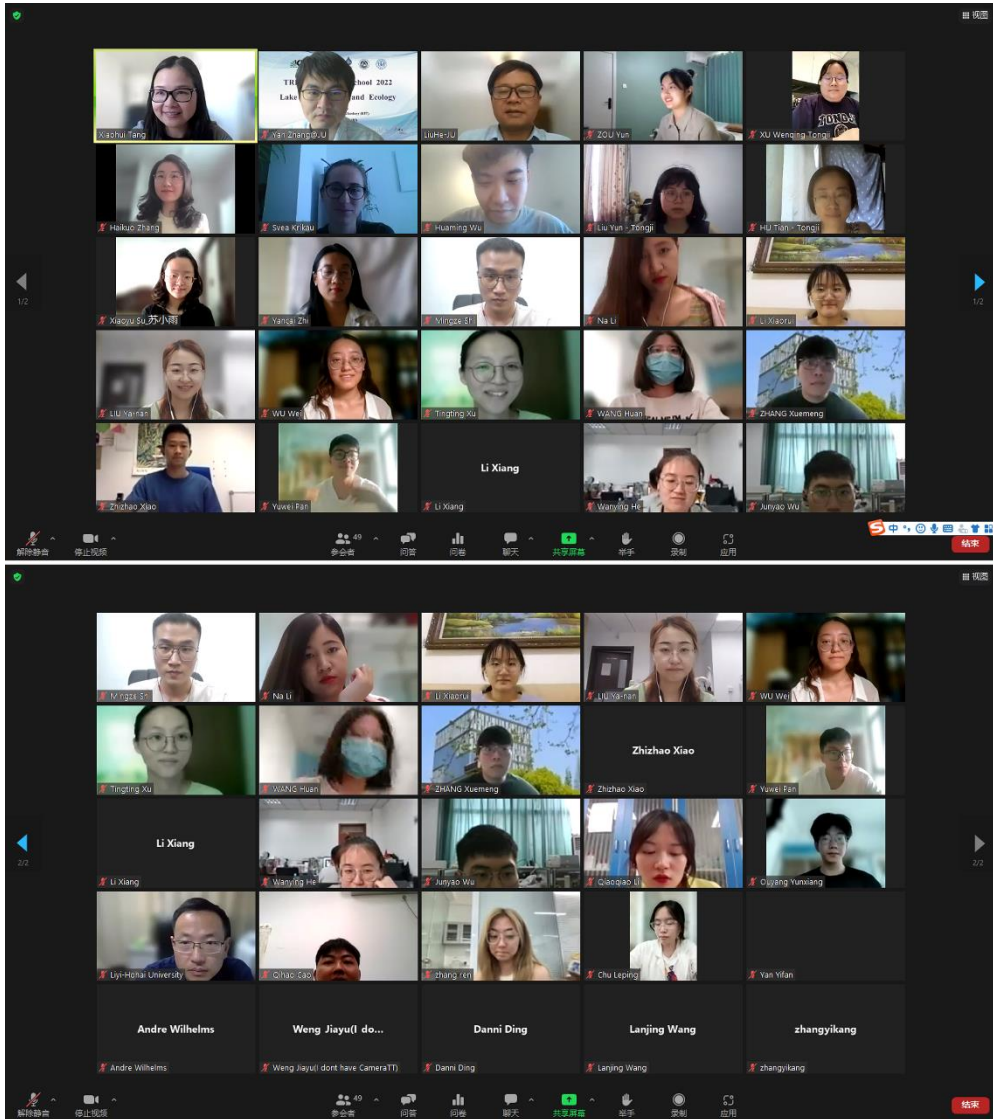
The banner features a light blue background with abstract wave patterns. At the top, logos for KIT (Karlsruhe Institute of Technology), TRENT, SIGN (Sustainable Innovation in Green Engineering), and two circular institutional logos are displayed. The central text reads "TRENT Summer School 2022 on Lake Environment and Ecology". Below this, it states "Organized by Karlsruhe Institute of Technology (KIT) And Jiangnan University (JU)". At the bottom, "Associated Partners:" is followed by logos for Nanjing Tech University, two other universities, KIT GRACE, and dfiu.

KIT **TRENT** **SIGN**

TRENT Summer School 2022
on
Lake Environment and Ecology

Organized by
Karlsruhe Institute of Technology (KIT)
And
Jiangnan University (JU)

Associated Partners:     **KIT GRACE** 



Group pictures



KIT
Karlsruhe Institute of Technology

Karlsruhe Institute of Technology (KIT)

TRENT Summer School 2022

Oliver Schmidt, Karlsruhe Institute of Technology
Karlsruhe, July 18, 2022



TRENT
中德碳达





KIT - The Research University in the Helmholtz Association

www.kit.edu

Introduction of KIT


Mingze Shi Oliver Schmidt, KIT Xiaohui Tang Günter Subklew Peng ZHOU-Jia... ZOU Yun

TRENT Summer School 2022 on Lake Environment and Ecology

SIGN: Sino-German water supply Network

Günter Subklew, Andreas Tiehm, Lara Stelmaszyk
 DVGW - German Water Center, Karlsruhe, Germany

DVGW TZW
 Technologiezentrum
 Wasser





Introduction of SIGN

你正在观看 Lake 的屏幕 视频会议

An introduction to the Trent Summer School - Microsoft PowerPoint

Why Taihu Lake?

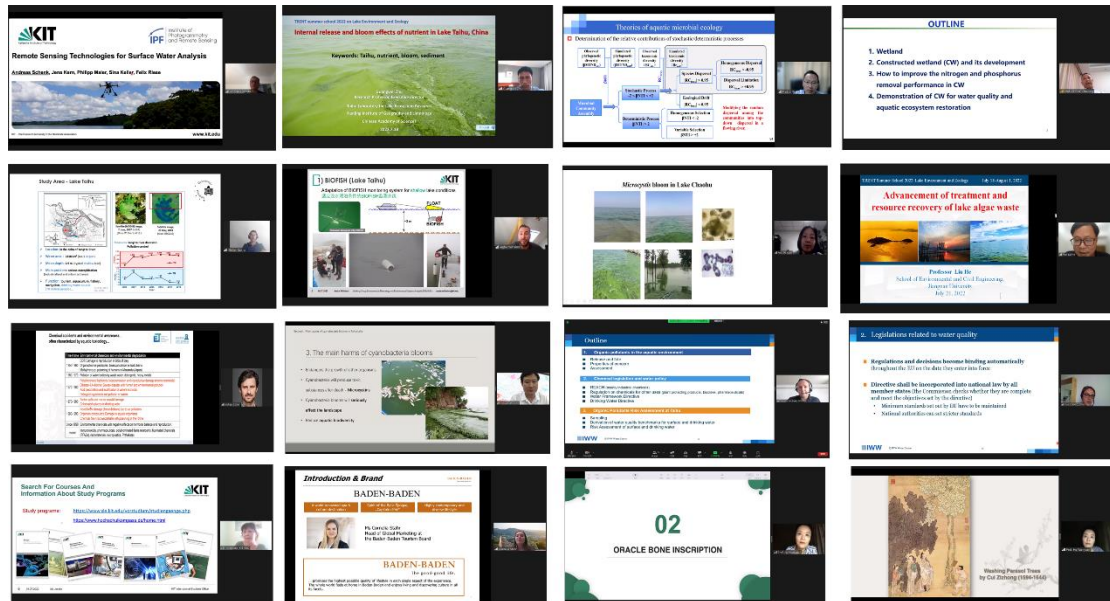
- Taihu Lake, the third largest fresh water lake in China, has an area of 2340 km².
- The population of Taihu drainage area accounts for 4.4% , but GDP of 10.2% of China.
- Taihu Lake is suffering the eutrophication due to the over discharge of nutrients.
- Lots of joint research programs have carried out for many aspects of Taihu lake by both Sino-Germany scientists.

单击此处添加备注

结束

Introduction of TRENT Summer School



The lectures

Contact information

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