Jingwen Cao
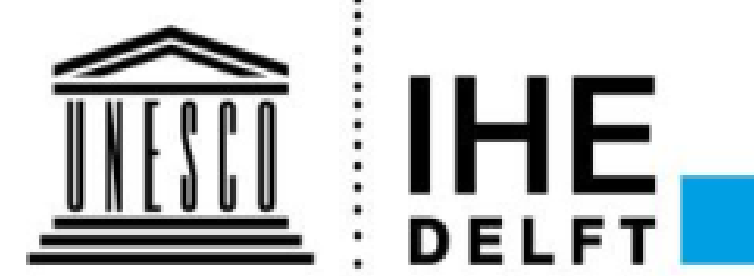

COUNTRY OF ORIGIN / BIRTH COUNTRY

Nanjing,Jiangsu Province,China

EDUCATIONAL BACKGROUND

Hydrology and water resources

2018 IHE Delft WATER PROFESSIONALS PROGRAM
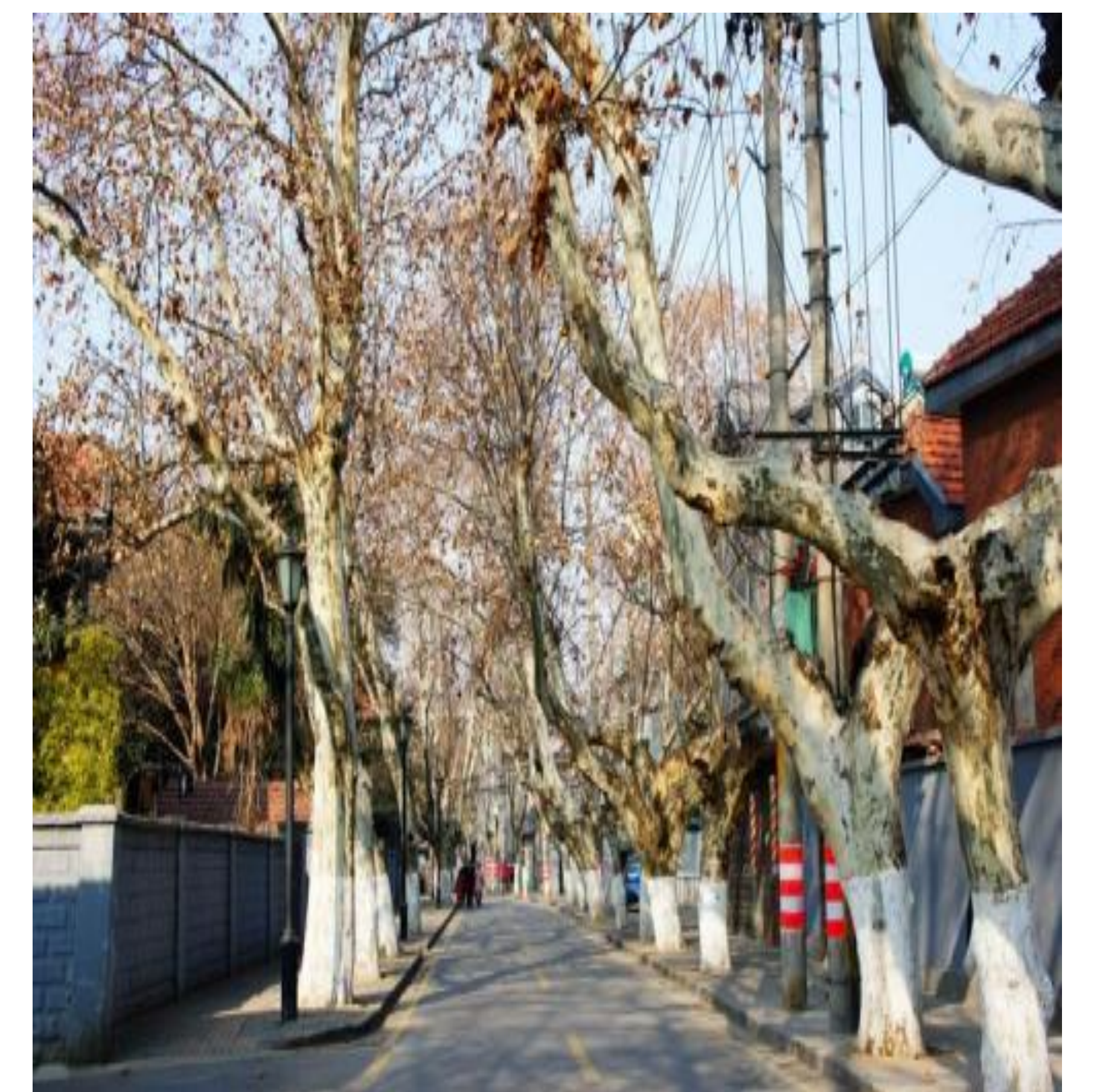
UNESCO | IHE DELFT

WHY I CHOSE Hydroinformatics:
IHE Delft is well known for its water education,especially hydroinformatics.Hydroinformatics combines information technology,modelling and mathematics wth hydrology to solve water resourcces problems better.
I think Hydroinformatics is the best choice for me to learn a lot more in water field and improve my own skills.

HOW I WILL USE THE KNOWLEDGE GAINED IN MY FUTURE:

There are many over-exploitation lakes and rivers in China,especially in the Northern part of China.I will do more research on the recharge of surface and groundwater of these over-exploitation fields.
I will use the knowledge I learn here to devote to solve these problems more with advanced modellings,so that the the solutions to these problems may become more precise and effective.

PREVIOUS RESEARCH AND RESEARCH INTERESTS:

Core member, **Research on health assessment of rivers in Jiangsu Province, and the effect of converting polders to lakes on the recovery of lake ecosystem and the capacity of rivers and lakes in the Lixiahe area, Jiangsu Province** (Key project of Jiangsu Province Water Resources Department and project of Jiangsu Province water conservancy fund)
1.Conducted chemical analysis of water quality of researched areas
2.Made good preparation for measuring water nutrients index; measured the nitrogen and phosphorus nutrients in various forms with ultraviolet spectrophotometer; measured the nutrients with flow injection analyzer (Skalar SAN++)
3.Measured the moisture content and loss on ignition of sediments
4.Measured the total organic carbon of water and soil samples