



# Trans-discipline Capacity Building :education and training

#### **Fengting Li**

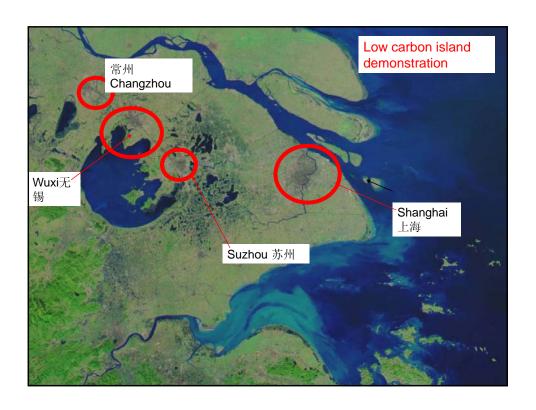
Prof, Vice Dean
UNEP-TONJI Institute of Environment for Sustainable
Development
Tongji University, Shanghai, 200092, China
email:fengting@tongji.edu.cn

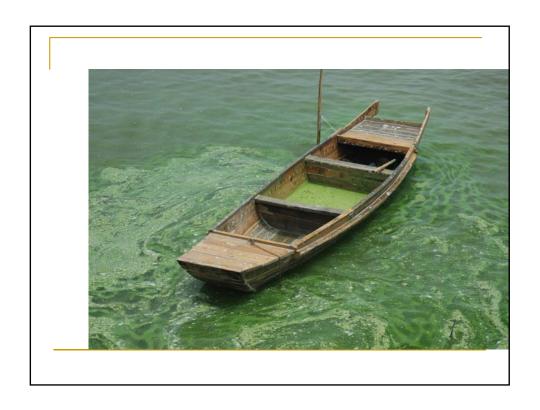
#### Experience and lessons learned in China

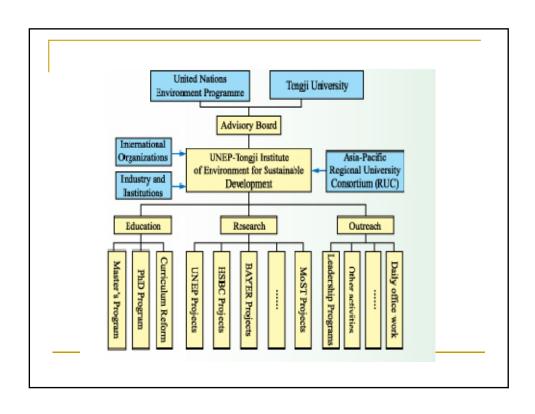
- Limited resource, but severe environmental pollution:
  - Chinese cities are often on the list of the world's most air polluted cities, severe acid rain because of coal burning and not enough desulfurization, sever haze pollution;
  - Most of the rivers passing through cities are severely polluted. Algae blooming in lakes due to eutrophication;
  - Solid waste is an urgent issue for large cities.

### Experience and lessons learned in China

- Efforts have been made to combat environmental pollution:
  - Institutional, SEPA to MoEP, laws and regulations...
  - Actions, examples: EIA to SEA, EIA storming, Ecocity development, green accounting...
  - "Energy saving and emission reduction" now is compulsory, quantified indicators for the evaluation of chief government officers...







## IESD cooperation with other institutes

**Environmental Sci and Engineering** 

Energy

Architecture

Construction materials

Management

---



International Master's Degree Program in Environmental Management and Sustainable Development

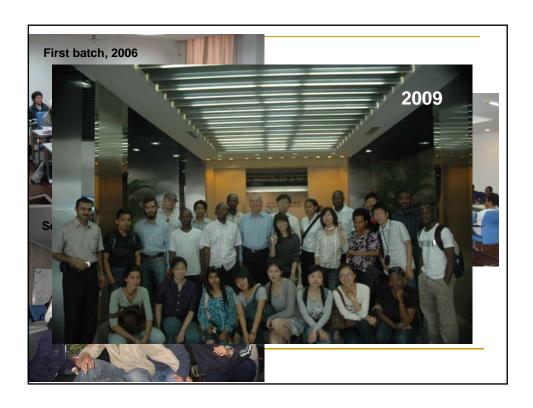
- Environmental ethics
- Environmental sociology
- Environmental Science
- Environmental economy and circular economy
- Framework and tools for sustainable development
- Environmental management and policy
- Chinese language
- Select two from:
  - Sustainable development of China
  - Chinese culture
  - Urban and township development in China
  - Economy and management in China





## **Selective courses**

- Global environmental challenges
- Climate change and adaptation
- Environmental ecology
- Project management in environmental engineering
- Environmental impact assessment
- Environmental information and decision supporting system
- Fundamentals of environmental engineering
- **.** . . .

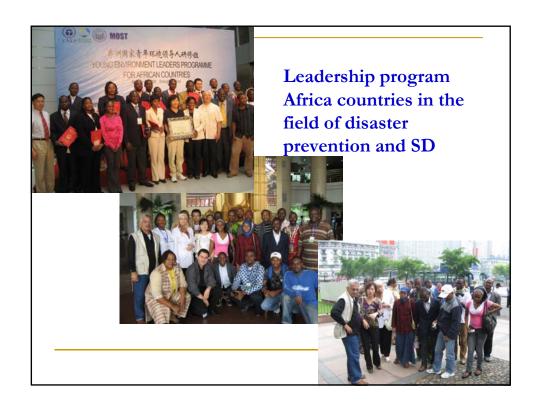


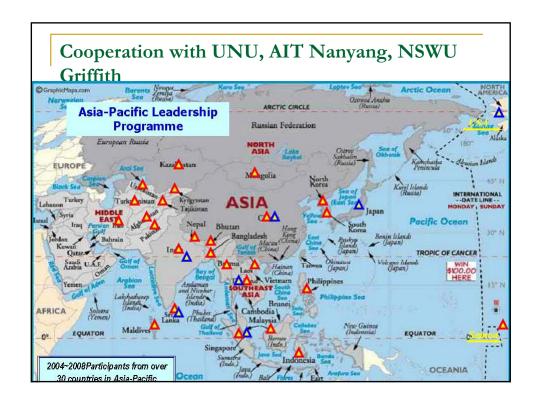
## **Cooperation of IESD Tongji with Asia on education for sustainable development**

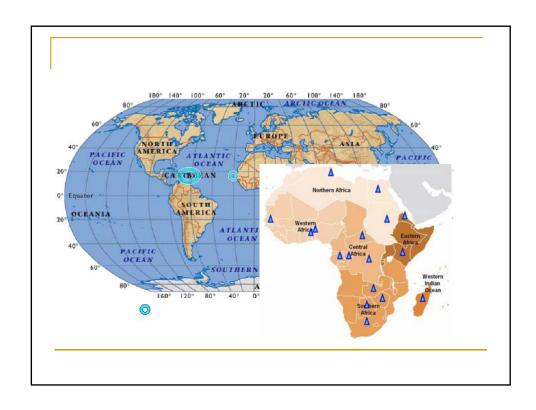
- International Master's Degree Program in Environmental Management and Sustainable Development
- Young Environment Leaders Program on Sustainable Development
- Sino-Germany-Africa PhD Candidate Summer School
- Sino-Japan-Korea PhD Candidate Summer School
- Cooperative research projects with university in Japan, Thai, Singapore, Australia

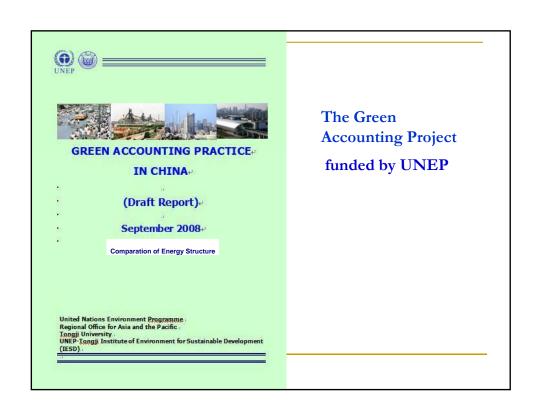


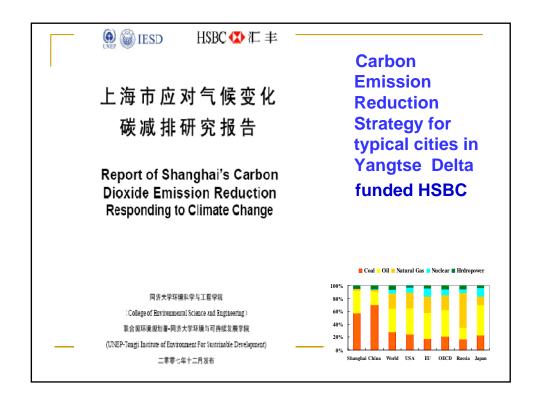












### Conclusion

IESD is open for international cooperation, also for cooperation with universities, for the low carbon society.

Thanks for your attention