



General information on the 2nd Summer School

Sustainable Use of Natural Resources: Water Resource Management (WRM)

19-29 August 2007

Tongji University, Shanghai, P. R. China

Organized by:

UNEP-TONGJI Institute of Environment for Sustainable Development

Tongji University, P. R. China

Forschungszentrum Jülich, Germany

Bayer AG

Background:

Water resources, the global issue with far-reaching economic and social implications, make it very important to consider the sustainable management and utilization around the world. Actually, the “water” situations are quite different among the developing and developed countries, including the natural water resources reserve, the development of treatment techniques and scientific researches.



In order to encourage and enhance the communication of young scientists from both developing and developed countries, in 2005, Prof. Dr. Gang Wan (President of Tongji University, Shanghai, P. R. China) and Prof. Dr. Joachim Treusch (The Chairman of Jülich Center, Jülich, Germany and President of International University Bremen now), initiated a three-year Summer School (2006-2008), to be held in Europe, Asia and Africa. The First Summer School was held at Jülich Center in Germany (Europe), from 14 - 27 August 2006. The Second Summer School will be held at Tongji University in China(Asia), from 19 -29 August 2007. And the Third Summer School will be held in University of Nairobi in Africa.

The aims to provide young scientists an opening chance for understanding the water resources and their situations in varies countries as well as over the world, to know the current achievements of techniques and theories in the domain of water, and bridge friendships among young scientists for further international cooperation in the future.



At the 1st Summer School, We have 30 students, most of them are Ph.D. candidates, 10 from Germany, 10 from Africa, and 10 from China. About 30 lectures were given to the attendances by professors, officials, engineers, administrators and so on. During the courses there were site visit, working groups, and discussions.

The common feeling about this summer school were:

- (1) The excellent presentations of current environmental problems improved their responsibilities to think the global change, not only the nation's, considering of the wise strategies for the benefit of present and future generations.
- (2) The site visits impressed them very much about the skills in environmental areas in Germany, the modern administration models, the sophisticated equipments and so on,

(3) By communicating and understanding different cultures and education systems among Africa, Europe, and Asia. Students all felt that they had already gotten very familiar with other countries, they hope have chance to meet each other in their hometown in the future.



NOW,

The 2nd Summer School on Water Resource Management (WRM) will be held at Tongji University, Shanghai, P. R. China from August 19– August 29, 2007. The school has 6 days of lectures and 4 days of investigation at Three Gorges Dam. The lectures will focus on current issues in water surroundings over the world, especially related to the sustainable management of Yangtze River in China.

The following topics will be covered by theoretical and experimental related lectures:

- Water ecology & hydrologic cycle (Prof. Guo Jingsong, Chongqing University)
- Water ecology of Yangtze River (Prof. Aiqian Zhang, Nanjing University)
- New concepts and theories in water management (Prof. Suiqing Liu et al., Tongji University)
- Water management in Shanghai (Prof. Fengting Li et al., Tongji University)
- Effective engineering in water treatment (Prof. Qi Zhou et al., Tongji University)
- Non point pollution control in upstream of Yangtze River (Prof. Yingxu Chen, Zhejiang University)

- Plants changes in Three Gorges Reservoirs (Prof. Bo Zeng, Southwest University)
- Colloids behaviors in Three Gorges Dam (Prof. Daqiang Yin, Tongji University)
- Dr. Subklew and other professors from Germany

For this 10-day workshop, the first 6 days will be spent in the campus of Tongji University, Shanghai, which consists of lectures and discussions at the College of Environmental Science and Engineering. During the last 4 days, the students will travel to the Yangtze River for ecological investigations, cruise and water quality analysis.

Ph.D. Candidates and Young Scientists from Europe, Africa and China are invited .

The WRM Summer School will provide a close contact of young scientists among Europe (Germany)、Asia (China) and Africa to discuss current issues of water resource、water management and water treatment in different areas worldwide, as well as the new techniques and policies. The school will also provide an extensive exchange of knowledge on the water cycle and water treatment techniques between the lecturers and the participants as well as between the participants among themselves.

Accommodation

Accommodation and traveling will be covered during the time of the school while in China. 70% of international air-ticket will be covered, too, for students from Germany and Africa. Other students will be charged tuition of 500 Euro for the courses and accommodation. The students will be accommodated in shared twin rooms on site.

Application

The deadline for application is June 30th, 2007. The selection process will be completed by July 15th, 2007. Electronic submission of completed application form is strongly recommended. If we make you an offer of admission we will send you an offer

letter and further information.

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Schedule:

| Sustainable Use of Natural Resources: Water Resource Management (WRM) | |
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| African / Chinese / German Summer School | |
| 19 – 29 August 2007, Tongji University, Shanghai, China | |
| Tongji University (Lecture) | Chongming Island and Dianshan Lake (Investigation) |
| Saturday, 18 August 2007 Registration | Saturday, 25 August 2007 Investigation in Chongming Island (1) |
| Sunday, 19 August 2007 Reception, introduction, presentation environmental research activities at Tongji University | Sunday, 26 August 2007 Investigation in Chongming Island (2) |
| Sunday, 19 August 2007 Plants changes in Three Gorges Reservoirs (Prof. Bo Zeng, Southwest University) | Monday, 27 August 2007 Investigation in Dianshan Lake (3) |
| Monday, 20 August 2007 Lectures, Tongji University: (1) Water ecology & hydrologic cycle (Prof. Guo Jingsong, Chongqing University); (2) Dr. Subklew et al: Introduction of Yangtze River related projects | Tuesday, 28 August 2007 Investigation in Dianshan Lake (4) |

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| <p>Tuesday, 21 August 2007 Lectures, Tongji University: (1) Water ecology (Prof. Aiqian Zhang, Nanjing University) (2) New concepts and theories in water management (Prof. Suiqing Liu et al., Tongji University)</p> | <p>Wednesday, 29 August 2007 Closing session Certificates</p> |
| <p>Wednesday, 22 August 2007 Lectures, Tongji University: (1) Effective engineering in water treatment (Prof. Qi Zhou et al., Tongji University) (2) Data analysis in water issues (Prof. Dahe Jiang et al, Tongji University)</p> | <p>Thursday, 30 August, 2007 Departure</p> |
| <p>Thursday, 23 August 2007 Lectures, Tongji University: (1) Non point pollution control in upstream of Yangtze River (Prof. Yingxu Chen, Zhejiang University) (2) Water management in Shanghai (Prof. Fengting Li et al., Tongji University)</p> | |
| <p>Friday, 24 August 2007 Lectures, Tongji University: Colloids behaviors in Three Gorges Dam (Prof. Daqiang Yin, Tongji University)</p> | |