International Partnership Development
For the International Master’s Degree Program
国際修士プログラムのためのパートナーシップ

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Introducing “IESD” - UNEP-Tongji Institute of Environment for Sustainable Development
国連環境計画―同済大学の持続可能な開発のための環境研究所

Established on May 9, 2002
Agreement renewed on May 18, 2007
Experience and lessons learned in China

China has made dramatic economic development from 1978:

1978から、中国は急激な経済発展を遂げた

But not too far back, Chinese were also suffering from hunger:

一方で、つい最近まで、中国は食糧不足に悩まされていた。

Figure 8.3  Population Changes in China

This graph shows the changes in fertility, mortality rates, and population as a result of significant policy initiatives.
Experience and lessons learned in China

Limited resource, but severe environmental pollution:

Chinese cities are often on the list of the world’s most polluted cities, severe acid rain because of coal burning and not enough desulfurization, severe 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.

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…

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
Core courses (必修科目)

- 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 （選択科目）

- 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
- …
Leadership Programs
(リーダーシッププログラム)

- Asia-Pacific Leadership Programme of Environment for Sustainable Development (annually from 2004, 5 times already)
  （持続可能な開発のためのアジア太平洋環境リーダーシッププログラム：2005年より毎年開催）
- Leadership Programme for Small Island Developing States (May 2006)
  小島開発途上諸国のためのリーダーシッププログラム
- Young Environmentalist Programme for African Countries (May 2008)
  アフリカ諸国の環境業務担当者のプログラム
- HSBC Leadership Program on Urban Environment and Sustainable Development (twice a year, from 2006, 6times already)
  HSBC都市環境と持続可能な開発リーダーシッププログラム
4th 5th Leadership program
Africa in environment and
sustainable Development in
Asia and Pacific
every year 500 applicants
第4回、第5回リーダーシッププログラム
アフリカの環境問題とアジア太平洋の持
続可能な開発
每年、500名以上の応募がある
Leadership program
Africa countries in the field of disaster prevention and SD
アフリカ諸国のためのリーダーシッププログラム：防災と持続可能な開発

Cooperation with UNU AIT Nanyang, NSWU Griffith
国連大学、アジア工科大学、南山大学、グリフィス大学との協力
2.4 Sino-Germany-Africa Summer School for PhD Candidates on Water Management
水管理学専攻の博士課程学生のための中国—ドイツ—アフリカサマースクール

2007 in Tongji

2006 in Germany
Conclusion
結論

- IESD is born for ESD and international cooperation, also for cooperation with universities, for the low carbon society.

低炭素社会構築に貢献すべく、持続可能な開発のための環境研究所は、持続可能な開発のための教育、国際協力の推進、大学間連携を目的として設立された。