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Academic Education Programs Sponsored by Ministry of Commerce PRC

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同濟大學  
TONGJI UNIVERSITY

**2021 International Master Program in  
Environmental Management and  
Sustainable Development**



2021  
Shanghai China



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## **Achievement**

Since 2015, Tongji University has undertaken the International Master's and Doctoral Degree Programme in Environmental Management and Sustainable Development with the support of the Ministry of Commerce. Over the past five years, 167 government and enterprise officials from 52 recipient countries have joined the programme. The international degree programme provides a variety of courses including 76 core courses and up to 10 Chinese language courses. Each year, IESD invites around 10 experts from UN agencies to offer courses. More than 200 lectures are held throughout the year.

As of 2021, IESD has enrolled 595 students from 100 countries. IESD alumni are currently active in international organizations (such as the World Bank, UNDP, ESCAP, etc.), national government agencies (such as the Chinese Ministry of Ecology and Environment, the Turkish Environment and Urban Planning Ministry, the Ministry of Labor and Social Security of Zambia, Egypt Ministry of Agriculture, Ministry of Environment, Serbian Ministry of Agriculture and Environment, Ministry of Natural Resources of Ukraine, Ministry of Environment of Romania, Ministry of Economy and Trade of Indonesia, Ministry of Agriculture of Zimbabwe, Ministry of Energy of Liberia,

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Ministry of Environment of Ethiopia, etc., NGOs (such as WWF), academic institutions (such as the Chinese Academy of Sciences, University of Wisconsin, University of Missouri, Tongji University, etc. ), corporate departments (such as PricewaterhouseCoopers, Bank of China, Michelin tires, etc. ) and other industries .

# Chapter I. Program Description

## 1. Background Brief

Commencing in 2008, Academic Education Programs sponsored by the Ministry of Commerce of People's Republic of China (MOFCOM) are designed to foster high-end business officials and managerial personnel for the recipient countries. Being offered are two-year master programs for the purpose of educating high-end and inter-disciplinary experts working in the applied fields of government, trade, foreign affairs, agriculture, technology, education, culture and health. The programs aim to build intellectual capacity and facilitate the economic and social development of the recipient countries. These programs provide assistance to government officials, research fellows, and senior managerial personnel on their master and doctor education in China, which are fully conducted in English. Admission requirements include a bachelor's degree, relevant working experience, and decent physical conditions essential for the high-compact curriculum needed for the degrees.



The graduates from this program are now working within their specialized fields in their home countries and undertaking an increasingly significant role in the economic development cooperation between China and their

home countries.

UNEP-Tongji Institute of Environment for Sustainable Development, hereinafter referred to as “IESD”, jointly established by United Nations Environment Programme and Tongji University in 2002, has served as a strategic think-tank for UNEP and an inter-disciplinary and inter-cultural platform for Tongji University. IESD has contributed significantly to environment and sustainable development from three main pillars – education, research and outreach. IESD has been mandated to mainstream environment and sustainable development into higher education, to promote research, education and South-South Cooperation on the environment and sustainability. This enhances the service of science and technology to policy-making and implementation, and provides tailored solutions to the Southern countries. With support from UNEP, the Ministry of Education of China and Tongji University, IESD launched the International Master’s and Doctoral Programme in 2006.



**Tongji University ranks A+ in the discipline of Environment** according to the recent evaluation by the Chinese Ministry of Education. **Among the 155 universities** that were evaluated only 2 other universities ranked A+. According to the 2019 Shanghai Ranking’s Global Ranking of Academic Subjects, **Environmental Science and Engineering in Tongji ranks 36<sup>th</sup> in the world.**



This program aims to equip candidates with integrated environment management vision and leadership ability at the local, national and regional levels on sustainable development. Candidates are expected to master various concepts and gain knowledge on economic progress, social systems, environmental protection and resource conservation issues. The three pillars of human, environment and the economy form the basis of the program.

Based on the positive effects and good results brought by these programs in strengthening economic ties and friendships between China and the recipient countries, the Ministry of Commerce of People's Republic of China has pledged to continuously intensify its efforts in enlarging the enrollment scale and improving the quality of education. We believe that by attending the programs and achieving the degrees, you will embrace a successful career and brighter future.



## **2. Prospective Students**

Working staff in the Ministry of Environment, the Ministry of Resources and other environmental related government department, multinational organizations and corporations.

### **3. Program Objective**

To equip policy makers and practitioners from developing countries with an integrated environmental management vision and leadership skills at the local, national and regional levels in sustainable development.

### **4. Enrollment Plan**

Major: Environmental Management and Sustainable Development

Number: 30

Language of instruction: English

Duration: 2 years (1 year for courses and 1 year for research)

Fields: Water resources, environment & disaster management

### **5. Financial Aid/Scholarship Coverage**

- Tuition waiver;
- Teaching material fee waiver;
- Research and survey fee waiver;
- Dissertation guidance fee waiver;
- One-off resettlement fee: 3000RMB per master student,
- On-campus accommodation;
- Stipend: 3000RMB per month per master student
- Medical insurance
- The scholarship coverage for the second year is subject to the mandatory annual review . Students who pass the review continue to enjoy the benefits for the next year.
- One-time round-trip international airfare for all the students  
(First time fly to China after enrollment, and Fly back to home country after graduation) , and a maximum of “n-1” (“n” is for the length of schooling year which is set while the student was enrolled by the program) round-trip international airfares for home visits (one time per year set at the end of an academic year) .
- Other expenses would be managed and used by the Ministry of Commerce or the universities as a whole, and would not be distributed to students.
- The Chinese Ministry of Commerce only offers the scholarship within the planned academic years. Candidates who extend the graduation will not continue to receive the scholarship.



# Chapter II. Academic Teaching Plan

## 1. Curriculum

2022-2023 IESD Course List ---- To take 31 credits in total						
课程性质 Type	课号 Code	课程名	Course name	学期 Semester	学分 Credit	Remarks
公共学位课 Public Degree Course	2070100	第一门外国语 (汉语)	Chinese Language	Spring/Autumn	3	compulsory, available in both semesters
	2900006	中国概况	China Outlook	Spring/Autumn	3	compulsory, available in both semesters
Degree Course 6 courses to be taken	2050136	环境系统与可持续发展	Environmental System and Sustainable Development	Spring	2	compulsory
	2050143	环境科学概论	Environmental Science	Autumn	2	compulsory only for non-environmental background
	2050199	生态经济学	Ecological Economics	Spring	2	compulsory
	2050147	环境管理与政策	Environmental Management and Policy	Autumn	2	
	2050186	固体废物处置与资源化	Intergrated Solid Waste Management and Reuse	Spring	2	
	2050188	污水处理的原理与技术	Wastewater Treatment: Principles and Technology	Autumn	2	
	2050189	给排水工程的原理与技术	Water Supply: Principles and Technology	Spring	2	
	2050149	大气科学与气候变化	Atmospheric Science and Climate Change	Spring	2	
非学位课 Non-degree Course 4 courses to be taken	2050141	环境伦理学	Environmental Ethics	Autumn	2	compulsory
	2050211	文献检索与科技论文写作	Literature Search and Scientific Writing	Autumn	2	compulsory
	2050224	水资源管理	Water resource management	Autumn	2	
	2050191	水环境化学	Aquatic Environmental Chemistry	Spring	2	
	2050194	环境分子微生物学	Environmental Molecular Microbiology	Spring	2	
	2050150	环境信息学	Environmental Informatics	Spring	2	
	2050210	通用试验原则与数据逐层分析	Common Experiment Principles and Step-by-Step Data Processing	Autumn	2	compulsory only for experimental research students, pls confirm with your mentor
	2050196	环境系统分析	Environment System Analysis	Autumn	2	
必修环节 Compulsory Link	2900012	公共讲座	Lectures	To be completed before the mid-term assessment.	2	compulsory, at least 16 lectures, online registration+summary for each
	1050101	实验室环境健康与安全	Safety and Health in the Lab	compulsory	1	compulsory
	2900011	学术行为规范	Conduct norm	To be completed before the end of the 1st semester.	1	compulsory
	2900002	开题报告	Research Proposal	To be completed at the beginning of the 2nd semester.	1	compulsory
	2900013	中期考核	Mid-term assessment	To be completed at the beginning of the 3rd semester.	0	compulsory, at least 2 months after the submission of the research proposal
	\	预答辩	Pre-Defense	To be completed before the end of the 3rd semester.	0	compulsory
	\	答辩	Defense	To be completed before the end of the 4th semester.	0	compulsory, at least 6 months after the submission of mid-term assessment
	\	学位论文	Degree Thesis	To be completed before the end of the 4th semester.	0	compulsory
	\	学术小论文	Academic Publication	To be published before the end of the 4th semester.	0	compulsory

## **2. Academic Plan**

- (1) All the courses will be taught in English using traditional teaching, discussions, field trips and lectures by foreign experts will be combined together.
- (2) The degree programme is a two year programme. First year you are expected to study at the university, while second year you will finish your paper wherever you want.
- (3) According to the credit standard of Tongji University. Academic Degree Graduate are required to get at least 30 credits: 6 credits for public degree courses ,no less than 12 credits for professional degree courses ,no less than 8 credits for non-degree courses, 4 credits for compulsory courses.
- (4) Students are required to finish all the academic and non-academic courses within the first year (Academic Master 30 credits), complete the master degree thesis (65-70 pages) independently and pass the dissertation defense. Thereafter the student can apply for Master Graduation certificate of Tongji University. Students are expected to together with the above requirements, also publish one academic paper with an issue number published before applying for the Masters degree certificate.

## **3. Teaching staff**

The college's current community of scholars includes 171 staff members, among which there are 2 members from "Thousands of Plans", 2 members of Outstanding Youth Fund, 67 professors, 50 associate professors, 66 doctoral supervisors. Meanwhile, The college also invited Academician DUAN Ning, Academician HOU Li'an, former Executive Director of UN Under-Secretary-General, the United Nations Environment Programme, Dr. Klaus Toepfer and other prestigious environmental experts as honorary professors and visiting professors, and many universities and research institutions from all over the world have a close cooperation with the college in teaching and research.

## **4. Teaching Methods**

All the courses will be taught in the form of lectures, seminars, case studies, field visits, scientific research and so on. We also enhance the comprehension of environmental management and sustainable development by case study, experiencing such situations as well as topical

seminars. Thus we can strengthen students' environmental management capacity and professional skills, enhance the sustainable development of the concept, and promote green leadership.



## 5. Full Schedule

Semester	Time	Detailed plan
1st	Sept 2022 -Jan 2023	Make personalized study plan and choose courses; Discuss with your mentor, set research direction; Finish your course work and obtain credits;
2nd	Feb 2023 -Jul 2023	Complete the remaining course work, obtain credits; Make research proposition;
3rd	Sept 2023 -Jan 2024	Conduct experiments; Prepare publications; Pass the mid-term assessment;
4th	Feb 2024 -Jul 2024	Finish publications; Finish research dissertation; Pass the duplicate-checking, blind-review and defence of the dissertation, obtain all the credits.

## 6. Thesis/Dissertation

- Basic requirements of graduation thesis
  - Systematic and comprehensive
  - Meaningful suggestion
  - Independent writing under the supervision of the mentor
  - Academic morality
- Basic requirements of defense:
  - Pre-defense (compulsory)
  - Approval from the mentor
  - Two reviewers' comments letters (associate professors or master's



- supervisor) at least 2 weeks before the defense
- Confirmation of the defense members (3 members besides the mentor, associate professors or master’s supervisor)+1 defense secretary
- Online application (blind review + apply for the defense)
- Official defense
- Revision of the thesis according to the feedback from the defense members
- Submission of hardcopy to the office & Input the final result of the defense online

## **7. Degree Award**

	Master Programme
Duration	2 Years: <ul style="list-style-type: none"> <li>- 1 year for courses</li> <li>- 1 year for research</li> </ul>
Graduation Certificate	<ul style="list-style-type: none"> <li>✓ Complete all the courses as required;</li> <li>✓ Finish the final dissertation;</li> <li>✓ Success in the final Defense;</li> </ul>
Degree Certificate	At least one paper published in any issued formal documents (academic journal or academic conference)

## Chapter III. Application

### 1. Application Requirement

To be eligible, applicants must:

- be a citizen of a developing country other than the People's Republic of China, and under the age of 45 (born after September 1, 1976);
- be healthy physically and mentally with a physical examination report issued by a local public hospital, and not having any disease or situation listed below:
  - a) Diseases prohibited by Chinese Entry-Exit Inspection and Quarantine Laws and Regulations
  - b) Other severe chronic diseases like high blood pressure, cardio-cerebrovascular disease, diabetes; psychological diseases; or other infectious diseases which may harm the public health
  - c) In recovery period after major surgery or acute disease attacks
  - d) Severe physically challenged
  - e) Pregnancy
- Be a bachelor's degree holder when applying for master's program; be a master's degree holder when applying for doctoral program.
- Proficiency in oral and written English.
- Senior officers working in the government sectors of environment-related fields in the developing countries, such as Ministry of Environment, Ministry of Natural Resources etc. are encouraged to apply.
- English proficiency certificate (such as IELTS or TOEFL IBT Score, Certificate of English Courses, Certificate of English Scores, etc.)

### 2. Application Procedures

#### (1) How to Apply

##### 1) Procedure

Fill in the application form online first at: <http://study-info.tongji.edu.cn/>, and upload all the scanned copy of application documents to this system; Meanwhile, send the scanned copy of the application documents to the following email address: unep\_tongji@tongji.edu.cn

2) Notice

A. Please choose "**Commerce Ministry Scholarship**" as your program in the Tongji online application system, as the picture shown below.

B. "**Environment Science**" should be selected as "**Research Field**".

C. MOFCOM Scholarship application form should also be uploaded to Tongji online application system as one of the application documents.



The screenshot shows the Tongji University online application system interface. At the top, there is a blue header with the Tongji University logo and the text '国际学生入学在线申请' (Online Application For International Students). Below the header is a navigation bar with links for Home, Application, Application Query, Inbox (unread:0), Outbox, and Message to Administrator. The main content area is titled 'Please choose your program:' and contains a list of radio button options: 'The Chinese government scholarship', 'International Chinese Language Teachers Scholarship', 'Shanghai government scholarship', 'Exchange Student', 'Self-sponsored', 'TONGJI UNIVERSITY SCHOLARSHIP', 'Tongji University & Bank of China Global Talent Scholarship', and 'Commerce Ministry Scholarship'. The 'Commerce Ministry Scholarship' option is selected and highlighted with a red box. A 'Next' button is located at the bottom left of the form area.

## (2) Apply for Scholarship

Please visit the online application system of the Chinese Scholarship Council at <http://www.csc.edu.cn/studyinchina> or [www.campuschina.org](http://www.campuschina.org), and register for an account. **Select the program “Chinese Government Scholarship” – Category B**, fill in all the required information, and an application form will come into being. Print out the form, put on a handwritten name and date, and then paste a photo on it. To complete the form successfully, please note the following information:

- 1) **The code of Tongji University is 10247; the field is Environmental Science.**
- 2) The CSC number produced from the form would be used in filling the Chinese study visa application form.

## (3) Application Documents

Please prepare the following documents before submission:

- 1) Application form for MOFCOM Scholarship;

Ensure you have both submitted it online (visit [www.csc.edu.cn/studyinchina](http://www.csc.edu.cn/studyinchina) or [www.campuschina.org](http://www.campuschina.org), click “Scholarship Application for Students”) and printed the PDF version.



- 2) A recommendation letter from the current employer.
- 3) Two letters of recommendation signed by two professors.
- 4) Scanned copy of bachelor's degree diploma.
- 5) Scanned copy of undergraduate academic transcripts.
- 6) Research plan.
- 7) Personal resume.
- 8) Scanned copy of passport (not diplomatic one).
- 9) Scanned copy of English proficiency certificate (such as IELTS or TOEFL IBT Score, Certificate of English Courses, Certificate of English Scores, etc).
- 10) Copy of the Foreigner Physical Examination Form undertaken within 6 months.

#### **(4) Submission**

- 1) The applicants shall obtain the approval and recommendation from the relevant department of host country before applying for this scholarship. Afterwards, the applicants can submit their application according to the requirements of above department.
- 2) For the applicants whose home government allows them to submit the application directly to the Embassy of China, please obtain the permission or recommendation letter from the home government which states that the applicant has been approved to study in China, and submit the original documents of the letter and other above mentioned application documents to the ECCO of Chinese Embassy in the home country. The scanned electronic edition of the documents is needed as well. For emails and addresses of the Economic and Commercial Counsellor's Offices, please visit <http://www.china-aibo.cn>.
- 3) The responsible department of the home government shall submit a written request to the ECCO of Chinese Embassy for an official recommendation letter and clearly state:
  - a) Whether the applicant is willing to be considered for a similar program at other universities if the applied programs could not accept the applicant.
  - b) Other special requests if any.

### **Important notices**

- 1) All the documents to be submitted should be in Chinese or English. Otherwise, a notarized copy in Chinese or English is required.
- 2) An original copy of degrees, transcripts and language certificates must be presented for on-site verification from the Economic and Commercial Counsellor's Office. After the Economic and Commercial Counsellor's Office has checked and verified the documents, you should send all the scanned copies to the email of Tongji University: unep\_tongji@tongji.edu.cn.
- 3) Applicants will get back all the hard-copy materials, both original copies and photocopies after the Economic and Commercial Counsellor's Office has checked them. If admitted, you should take the documents to Tongji University and submit them to the school.
- 4) No explanation will be given on the enrollment result.
- 5) Applications without the recommendation from the ECCO of Chinese Embassy will not be considered.
- 6) Application materials will not be returned regardless of the result of application.
- 7) Chinese government won't comment on the result of application.
- 8) The visiting fee of spouse or children won't be provided.
- 9) Instructions on how to arrive to the university will be detailed in the admission files for successful applicants.

### **3. Deadline**

16 November, 2021

### **4. Contact**

Name: Mme. SHEN Jiaqi

Tel: 0086-21-65983548

Fax: 0086-21-65987790

Email: unep\_tongji@tongji.edu.cn

Web: <http://unep-iesd.tongji.edu.cn/>

Address: Room 903 Zonghe Building, Tongji University, No.1239 Siping Road, Shanghai, China

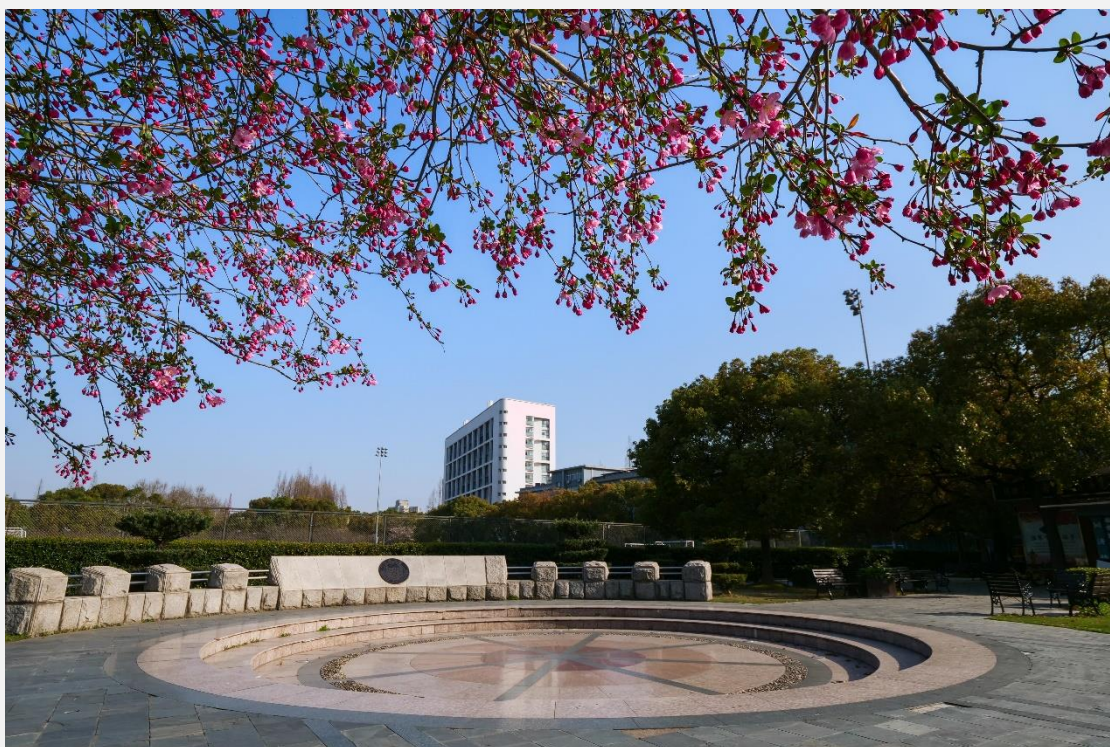
## Chapter IV. University Introduction

### 1. University Brief

Tongji University is one of the leading universities in China under direct administration of Ministry of Education, listed on “Project 985” and “Project 211”. With a history of over a century, Tongji has valued the balanced development of four functions, i.e. education, research, outreach, and culture inheritance and innovation.

The history of Tongji can be traced back to 1907 when German Medical School was founded by Erich Paulun, a German doctor in Shanghai. After being renamed Tongji German Medical School in the following year, it was formally established as a university in 1923. It became National Tongji University in 1927, one of the seven earliest national universities of China. Around 1949, Tongji already boasted five colleges of natural sciences, engineering, medical science, liberal arts and law, and enjoyed a fine reputation as a comprehensive university both home and abroad. Following a nationwide campaign of restructuring universities in 1952, Tongji became an engineering-intensive university with top-notch strength in civil engineering and architecture, which is second to none in terms of scale and number of disciplines. Since 1978, “two transforms” were launched, namely, the transforming to an international university by restoring links to Germany, and the transforming from a university focusing mainly on civil engineering to multi-disciplinary engineering university. In 1995, Tongji declared to be jointly built by the Ministry of Education and the Shanghai Municipal Government. By 2007 when it was celebrating its centennial, Tongji had become a comprehensive, international, research-oriented university with distinct features and global influence. In 2013, the university proposed its vision of “a sustainability-oriented, world-class university”.





The university now covers 12 broad categories of academic disciplines, including engineering, science, medicine, management, economics, philosophy, literature, law, education and arts etc. The number of faculty stands at 2,577, of which 1,028 are professors, and 1,029 associate professors. The university now registers 18,115 full-time undergraduate students, 12,405 graduate students, and 5,766 PhD candidates. Another 3,468 international students are pursuing their degrees here.

The university offers 84 undergraduate majors. It can grant master degrees in 71 broad academic disciplines, together with 15 professional Master's programs and 26 engineering Master's programs. It also grants PhD degrees in 41 broad academic disciplines with 3 professional PhD programs and 25 post-doctoral mobile research stations. Of all the disciplines, 3 are first-level national key disciplines, 7 second-level national key disciplines, 3 second-level national key disciplines (incubated), and 17 first-level Shanghai disciplines. There are 3 State Key Laboratories, 1 National Engineering Lab, 5 National Engineering (Technology) Research Centers, and 26 ministerial/provincial-level key labs and engineering (technology) research centers as well as 7 affiliated hospitals and 4 affiliated high schools. Since its founding, Tongji has turned out nearly 300,000 graduates, among which many are extraordinary

political leaders, scientists, educators, social activists, business leaders, medical specialists, and engineering technology experts. Over 140 alumni are academicians of the Chinese Academy of Sciences, or the Chinese Academy of Engineering.



## **2. College Brief**

The College of Environmental Science and Engineering (CESE) at Tongji University was one of the earliest established colleges dedicated to environmental education and research in China. Its predecessor was the Department of Health Engineering established in 1952 and later the Department of Environmental Engineering established in 1978. Currently, CESE comprises three specialty branches: Environmental Engineering, Municipal Engineering (Water Supply and Sewerage Engineering), and Environmental Science, all with undergraduate, master, doctoral, and postdoctoral programs. In order to promote the research and education in the field of global environment issues and sustainable development, the United Nations Environment Programme-Tongji Institute of Environment for Sustainable Development (IESD) was co-established by UNEP and Tongji University in 2002. The close affiliation of IESD with CESE committed the active involvement of CESE in international environmental education and scientific research.

Currently, the college has 4 departments: Municipal Engineering, Environmental Engineering, Environmental Science and Environmental Management and develops itself into a complete system of undergraduate and graduate students ranging from BA, MA, PhD to postdoctoral level(including national key disciplines on environmental engineering and key subject of Shanghai Municipal Engineering). In addition, the college sets up the State Key Laboratory of Pollution Control and Resource Reuse, National Engineering Research Center for Urban Pollution Control, National Experimental Teaching Demonstration Center of Environmental Science and Engineering, Key Laboratory of Yangtze River Water Environment, Ministry of Education and the UNEP - Tongji Institute of Environment for Sustainable Development (IESD).

The students from the majors of Water Supply and Drainage Engineering and Environmental Engineering become members of the “Excellent Engineers” training plan launched by Ministry of Education. In addition, Environmental Engineering is one member of “Excellent Postgraduates” training plan launched by Ministry of Education. Each year, the Environmental Science and Engineering College enrolls about 150 undergraduates, 250 graduate students (including doctoral students) and about 30 international students. In the past 60 years, around ten thousand of high-level professionals graduated from the college to serve the society. Through international cooperation with the United Nations Environment Programme (UNEP), IESD is an international education model in the field of Environment and Sustainable Development for the region and the world, especially for developing countries and have been able to cultivate many professional talents in the field of environmental and sustainable development.

The Institute's research areas cover pollution control, water and wastewater engineering, environmental chemistry, environmental biology, integrated water resources management and utilization, environmental planning and management. In addition , the college undertakes some national key research programs, such as the National Plan, the National Water Pollution Control and Governance, the National 863 Program, the Natural Science Foundation. In the past 5 years, our college has achieved a big improvement in a large number of significant researches by getting 6 awards for National Science and Technology Progress, 36 awards for

scientific and technological progress in the level of province and minister, obtaining nearly 200 national invention patents, and publishing 1978 papers including 599 SCIs.

Until now, the college has established broad technical cooperation and academic exchange with Germany, France, UK, USA, Canada, Australia, and Japan, as well as Hong Kong and Taiwan. The School presided a number of international conferences, e.g., The Asia-Pacific Leadership Programme on Environment and Sustainable Development, International Workshop on Water Environment, International Water Pollution Control and Water Treatment Technology, Sino-Japan Workshop on Water Treatment Technology, Cross-Strait Workshop on Environmental Protection, Sino-German Cooperation Workshop on Sludge Treatment and Disposal, Sino-Swiss Workshop on Solid Waste Management and Technology, and Sino-France Seminar on Urban Air Quality etc.

The college has always devoted special importance to social responsibilities, scientific research and application. With the development of economy and urbanization, we are facing with many serious problems on environmental pollution. The college transforms the research achievements of water treatment and pollution control into social practice by the cooperation with the National Engineering Research Center for Urban Pollution Control, Environmental Engineering of Tongji Institute of Architectural Design (Group) Co., Ltd. Design Institute, Shanghai Tongji water purification Engineering Co., Ltd., Shanghai Tongji Kelan Environmental Protection Equipment Engineering Co., Ltd. and Environmental Impact Assessment Department of Tongji University, etc.. For instance, in the national level, the achievements of our research are successfully applied to the 2010 Shanghai World Expo, the Suzhou River water environment governance, Taihu Lake and Chaohu Lake Basin Water Pollution Control; and in the international level, the college constructs and operates several water treatment program in Russia, Africa and Asia, resulting in a significant economic, social and environmental benefits.

For more than twenty years, the college contributes much to the modernization and opening of the country by educating high-level capable intellectuals for environmental protection, and water supply and sewage, that lays the foundation of the academic stand of the college as "superior



within campus", "frontier domestically", and "well-known world widely".

In recent years, the college presided and attended many national and local key research project, and have 12 projects in “863” High Technology Research Development Plan. In 2003, the college was honored three National Science Awards, and got ten more prizes by national and local departments.

The UNEP-Tongji Institute of Environment for Sustainable Development (IESD) was jointly established by UNEP and Tongji University on May 9, 2002 upon the signing of the Letter of Agreement between Dr. Klaus Töpfer, then UN Under- Secretary-General and UNEP Executive Director, and Prof. Qidi Wu, then President of Tongji University, in the College of Environmental Science and Engineering. At the 2014 IESD Board Meeting, the Board decided to elevate IESD to its next level, as a global think-tank for UNEP in promoting sustainable development education and capacity building, research on the environmental and urban development issues.

IESD achievements over 2015 are based on the guidance and support of UNEP, Chinese relevant Ministries, Shanghai Government, international and domestic organizations. IESD mobilizes resources from its stakeholders and is leading efforts for a sustainability-oriented university at Tongji University, with a green campus, inter-disciplinary education and integrating sustainable development into higher education and social service. From 2004 to 2021, IESD has organized nearly 50 international and domestic training programs, seminars and trainings, attracting 5,000+ participants from all over the world. IESD have recruited 595 students from 100 countries since 2006, 1/3 from African countries.

In 2012, the Global Universities Partnership on Environment and Sustainability (GUPES) was launched at IESD in the lead up to the Rio +20 Summit. Professor WU Jiang, Vice President of Tongji University and Dean of IESD, was elected as the Chair of GUPES. GUPES provides a global platform for Universities to mainstream environment and sustainable development into higher education, to incorporate sustainable development concepts and best practices in higher education, and to train technical and management personnel, particularly for developing countries.

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It also provides Universities the opportunity to benefit from UNEP's knowledge base on environmental and sustainability issues. Over 560 Universities are currently part of the growing GUPES network.



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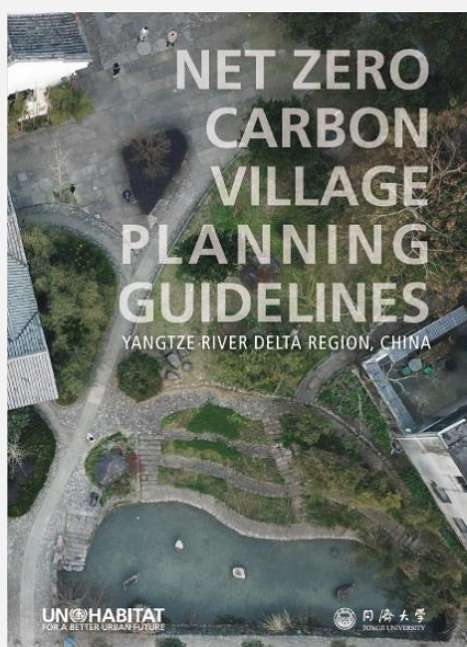


1. IESD cultural field trip to the Great Wall, Beijing
2. 2021 International Student Conference on Environment and Sustainability co-hosted by Tongji University and the United Nations Environment Program, and organized by IESD, with more than 200 international students from 33 countries as participants
3. IESD students participated in the 2019 Tongji University International Cultural Festival.
4. IESD students were invited to attend the Fourth United Nations Environment Assembly, in March, 2019, Nairobi, Kenya.

IESD also conducts interdisciplinary research and promotes knowledge transfer to developing countries through technology cooperation. Working together with UNEP, IESD implemented the Chongming Eco-island Evaluation Report and assisted UNEP's assessment of Shanghai's efforts to organize an environmental-friendly Expo 2010.

IESD also launched the Chinese version of UNEP's Green Economy Report and has since 2012 translated UNEP's flagship publications into Chinese.

In collaboration with UN-Habitat, Tongji launched the publication of Net Zero Carbon Village Planning Guidelines for the Yangtze River Delta Region in China in the first UN HABITAT Assembly and Making Cities Sustainable through Rehabilitating through Polluted Urban Rivers during the fourth United Nations Environment Assembly (UNEA-4). IESD also participated in drafting the UNEP flagship report Global Environmental Outlook for Youth, Asia and Pacific.



The China Meteorological Administration (CMA) and Tongji University signed an agreement to initiate overall collaboration on capacity building, disciplinary development, research, talent cultivation on climate change, technology transfer and resources sharing. Key Laboratory of Cities' Mitigation and Adaptation to Climate Change in Shanghai, China Meteorological Administration was launched by the end of 2014 with the support of CMA and Shanghai Meteorological Bureau.

### **3. Campus Facilities**

Tongji University is located in Shanghai with four campuses which cover an area of 280 hectares. The programme is mainly conducted at Siping



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Campus. The students have access to an indoor swimming pool, tennis ground, gym, shop, etc inside the campus.

The university will offer single rooms for the candidates either in Siping Campus or other campus.

