IGES
Institute for Global Environmental Strategies

IGES Collaboration Centre with UNEP on Environmental Technology

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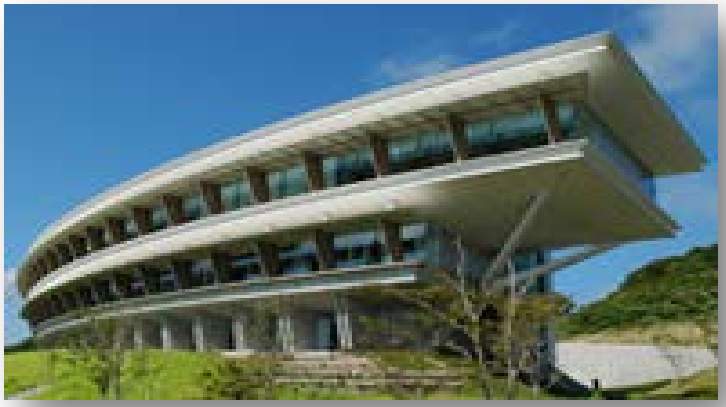
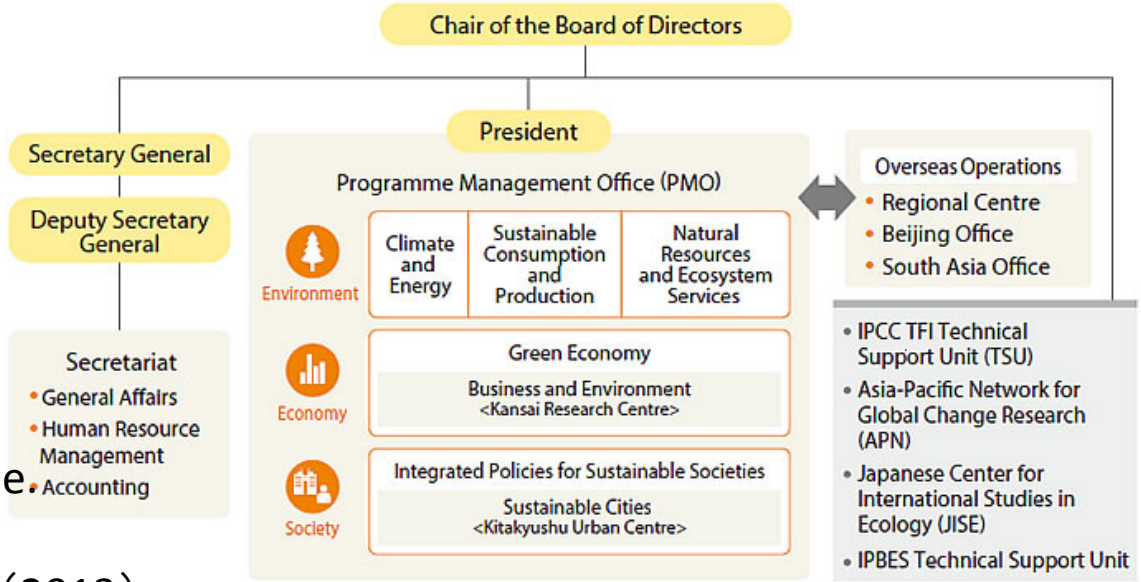
Institute of Global Environmental Strategies

- **Founded** in 1998 under the initiative of Japanese government and with the support of Kanagawa Prefecture.
- **Purpose**: To conduct innovative policy development and strategic research for environmental measures, reflecting the results of research into political decisions for realizing sustainable development both in the Asia-Pacific region and globally.
- **HQ**: Hayama, Kanagawa Pref.
- **Employees:** 175
  > Researchers 100
  > Foreign Researchers 42%
  (As of March 2013)
- **Ranked** as 38th out of 6,500 research institutions across the globe. (2014, Univ. Pennsylvania)
- 15/210 in Climate Change Research（2013）





Advancing 3R in Asia-Pacific Region

IGES has…

- contributed to the establishment of **Regional 3R Forum in Asia and the Pacific** in 2009.
- supported formulation of **national 3R strategies** for 6 countries in Asia in collaboration with UNCRD and UNEP.
- supported **bilateral cooperation projects of GoJ** with Malaysia and Vietnam in assisting 3R policy implementation.
- developed a **technical review guideline** on Solid Waste Management through 3R and its contribution to Climate Change in Asia's developing countries (Thailand, Laos, Cambodia).
- engaged in **Extended Producer Responsibility (EPR) research**
- engaged in **research on recycle accreditation system** as a contribution to Appropriate Management Guideline relevant to Basel Convention processes.
- managed Working Group on 3R Policy Indicators during Regional 3R Forum in Asia and the Pacific, and developed "**Facts on 3F Policy Indicator" Series** publications.

The 3rd Regional 3R Forum in Asia and the Pacific, Singapore, October 2011

UNEP International Environmental Technology Centre (IETC)

IETC is a branch of UNEP / Division of Technology, Industry and Economy (DTIE), and responsible for works relevant to waste management.

Main function is to promote the application of Environmentally Sound Technologies (ESTs) in developing countries and countries in transition, with a focus on waste management related issues.

Located in Tsurumi Park, Osaka

IETC's Approach to Waste Management

- **Holistic Approach to Waste Management**
- **Waste-to-Resource:**
  From Linear Flow to Closed-loop of Resource Circulation
- **Promotion of Preventive Policy and 3R**

Experience of IETC: Integrated Waste Management

- Wuxi City, China – 2008
- Pune City, India – 2008
- Maseru City, Lesotho – 2009
- Matale City, Sri Lanka – 2009
- Novo Humburgo City, Brazil – 2009
- Nairobi City, Kenya – 2010
- Bahir Dar City, Ethiopia – 2010
- Pathum Thani Province, Thailand – 2011
- Addis Ababa City, Ethiopia – 2011

- Da Nang City, Vietnam - 2012
- Kampot City, Cambodia - 2012
- Bangkok City, Thailand - 2012
- Honduras - 2013

Establishment of Collaborating Centre

In 2012, Administrative Review by the Ministry of the Environment, Japan (MOEJ), suggested "a fundamental improvement" including the possibility of discontinuation of its contribution to the UNEP-IETC,

In 2013, "External Specialists Committee" recommended followings.

- **Improvement of governance** including periodic meeting of IETC International Advisory Board (IAB) and evaluation of IETC's work by MOEJ.
- **Clarification of operational domain**: strong focus on waste management with attention to its contribution to other fields such as climate change.
- **Organizational improvement** including **installation of Collaborating Centre** and strengthening support network.
- **Improvements in communication and outreach**, with enhanced effort for publicity in Japanese society, in particular.

MOEJ officially announced the establishment of the Collaborating Centre in September 2013. MOEJ subsequently selected IGES as the responsible organization to host the Collaborating Center through public offering process.

Agreement between UNEP and IGES

Formal agreement was signed by UNEP & IGES in December 2014 on the occasion of UNFCCC COP20 in Lima, Peru.

IGES Centre Collaborating with UNEP on Environmental Technologies (CCET) was officially installed in IGES headquarter in Hayama.

Collaborating Centre: Initial Work Plan

1. **Supporting Development / Implementation of National & City Level Waste Management Strategies and Action Plans**

2. **Contribution to development of Knowledge-hub and Curriculum for Waste Management**

3. **Supporting IETC's Outreach**

Possibilities of Cooperation

- Government (MOEJ, MOFA, METI and their administrative bodies)
- Cities and Local Governments
- Relevant Organizations / Institutions
    - Industrial Organizations
      (e.g. National Fed. Industrial Waste Management Associations)
    - **Educational / Research Institutions**
    - **Universities**
    - International Organizations (UN, WB, ADB…)

Modes of cooperation in consideration to the strengths and weaknesses of each option.

- Financial support
- Bridge-building between partner countries / cities
  (The roles of GoJ and UN are different)
- Information sharing
- Joint / coordinated actions

Future trend of resource/waste management

- **MDGs to SDGs**
  - Basic sanitation to SCP (Goal 12, Goal 11.6, Goal 8.4)
  - SCP 10 Year Framework of Programmes

- **Waste Management to Resource Efficiency**
  - International Resource Panel
  - G7 Germany Summit
  - 6th Asia Pacific 3R Regional Forum (Aug. 2015)

- **Waste to Resources**
  - WTE
  - compost
  - CCAC (Climate & Clean Air Coalition)