



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



UNIDO Carbon Neutral Programmes

Ms. Fumio Adachi
Head, ITPO Tokyo, UNIDO

2 Sept 2024

<http://www.unido.or.jp/en/>



I. UN Specialized agencies and related organizations

- 1. Food and Agriculture Organization of the United Nations**
- 2. International Fund for Agricultural Development**
- 3. International Labour Organization**
- 4. International Monetary Fund**
- 5. International Maritime Organization**
- 6. International Telecommunication Union**
- 7. United Nations Educational, Scientific and Cultural Organization**
- 8. World Bank**
- 9. United Nations Industrial Development Organization (UNIDO)**
- 10. Universal Postal Union**
- 11. World Health Organization**
- 12. World Intellectual Property Organization**
- 13. World Meteorological Organization etc.**

◆ UNIDO support member states to realize
"Inclusive and sustainable industrialization"



<https://www.unido.org/about-us/who-we-are>



SUSTAINABLE DEVELOPMENT GOALS

#9 Industry, Innovation and Infrastructure



II. Three priorities for action

by UNIDO Director General, Gerd Muller

1. Supporting **sustainable supply chains** so that developing country producers get a fair deal and scarce resources are preserved.
2. Limiting climate breakdown by using **renewable energy** **and energy efficiency** to reduce industrial greenhouse gas emissions.
3. Ending hunger by cutting post-harvest losses and developing **agribusiness value chains**.



III. Why climate action needed at UNIDO

The role of industry in the climate change context is threefold:

1. Industry is one of the largest emitters of greenhouse gases;
2. Industry itself adversely affected by the changing climate and resource depletion; and
3. Industry has a potential to become **a leading provider of technological solutions, business models and green jobs**, while influencing consumer behaviour and lifestyles across the globe.

IV. Investment and Technology Promotion Office (ITPO), Tokyo

- 100% funded by Japanese Government



UNIDO Worldwide



1. ITPO Bahrain
2. ITPO Beijing
3. ITPO Germany
4. ITPO Italy
5. ITPO Nigeria
6. ITPO Republic of Korea
7. ITPO Russian Federation
8. ITPO Shanghai
- 9. ITPO Tokyo**

V. ITPO Tokyo's programmes for Carbon Neutral

- **Japanese businesses' technology to be utilized to solve social issues in partner countries** with UNIDO ITPO Tokyo's support



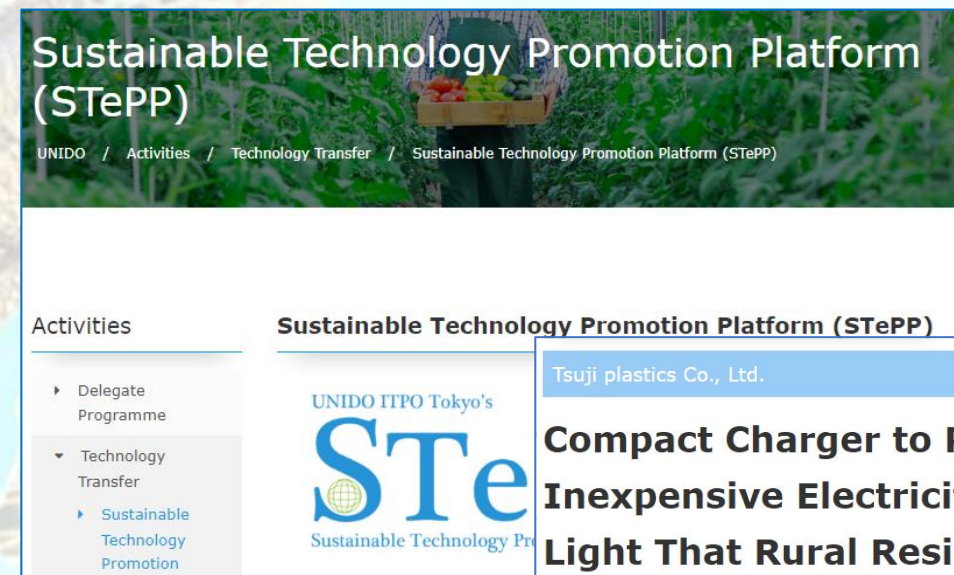
- 1) STePP http://www.unido.or.jp/en/activities/technology_transfer/technology_db/
- 2) STePP IV in Uganda http://www.unido.or.jp/en/activities/technology_transfer/stepp-industrial-vocational-training-programme-in-africa/
- 3) Global South project <https://www.unido.or.jp/en/coming/12133/>

CN programme 1: **STePP (Sustainable Technology Promotion Platform)**






- Platform to introduce innovative Japanese technologies
- 150 technologies are registered as of Sept 2024.



Website Promotion



Video Library

-  **Energy**
Renewable energy, energy saving and energy storage, utilization of unused resources
-  **Environment**
Pollution prevention, waste treatment and management, circular economy
-  **Agribusiness**
Food value chain, production enhancement, adaptation to climate change, water resource management
-  **Human Health**
Public health, monitoring and diagnostic equipment
-  **Disaster Management**
Disaster alert system, disaster prevention and preparedness, disaster emergency response

Access to electricity in rural areas in developing countries is still not easy. To make electricity

Environment

Energy

Agribusiness

Human Health

Disaster
Management

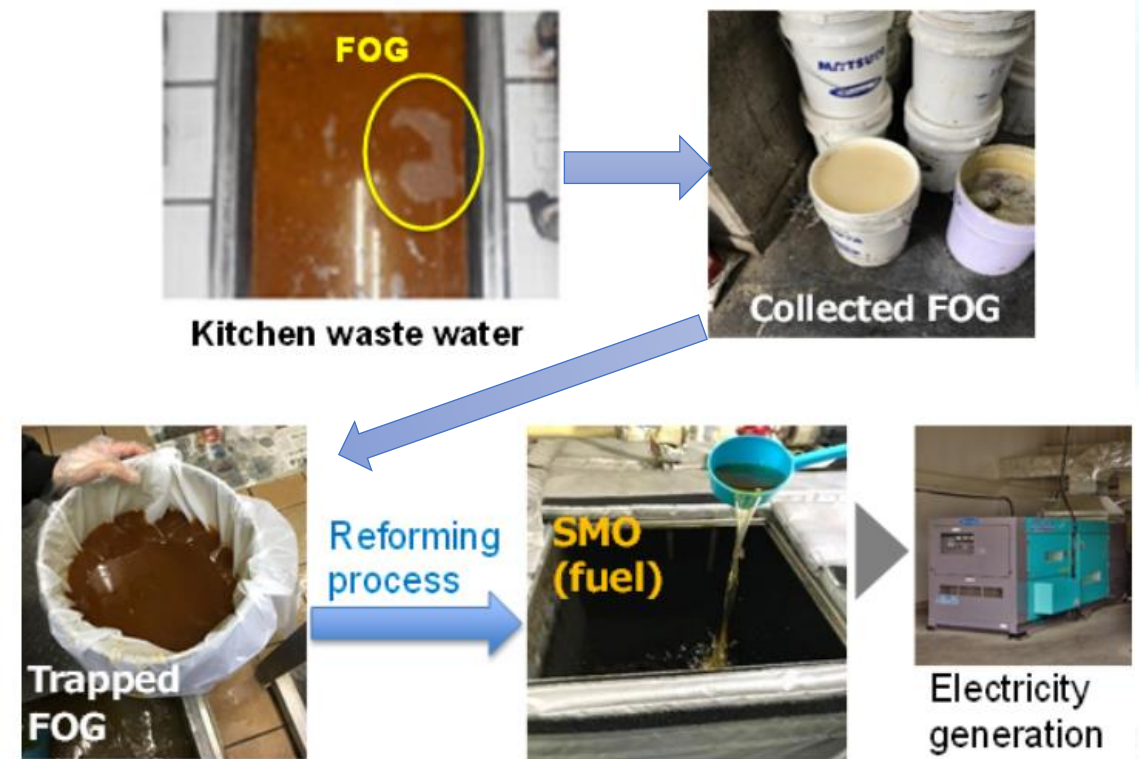
Fats/Oil/Grease (FOG) Separation and Reforming Technology for Power Generation

TBM Co., Ltd.

SCAN TO DISCOVER



Waste to Power: the technology contributes to alleviating environmental pollution in cities and turns into resources



CN programme 2: **STePP IVT (Industrial Vocational Training)**

- Vocational Training using STePP registered technologies



- Training by Kaiho Industry for Uganda
- To learn automotive recycling and dismantling techniques
- **Raise awareness of the environmental hazards** posed by improper disposal of end-of-life vehicle parts and products

CN programme 3: Industrial Cooperation Programme in **the Global South** through Technology Transfer from Japan (2024-2028)

(1) Japanese companies conduct **demonstrations**.

(2) UNIDO calls Japanese companies to propose **demonstration plans**.

(3) 11 targeted areas

- Critical minerals
- **Clean new energy**
- **Smart energy**
- **Industrial decarbonization**
- **Sustainable manufacturing**
- Healthcare
- **Circular economy**
- Food sustainability
- **Adaptation and mitigation of climate change**
- Quality infrastructure
- Digital-oriented manufacturing

