



UNITED NATIONS  
INDUSTRIAL DEVELOPMENT ORGANIZATION



# Annual Report 2019

INVESTMENT AND TECHNOLOGY PROMOTION OFFICE, TOKYO





DG LI Yong and the Parliamentary Vice-Minister for Foreign Affairs, Kenji Yamada (left), and Parliamentary Vice-Minister of Economy, Trade and Industry, Akimasa Ishikawa

## UNIDO Director General's Official Visit to Japan 2019

**Tokyo, Japan, 8-10 April**

Director General of UNIDO, LI Yong, concluded his sixth official mission to Japan from 8-10 April, 2019, during which he held several bilateral meetings with the Government of Japan and the Japanese private sector, and also addressed several high-level events.

Director General LI met with the Parliamentary Vice-Minister for Foreign Affairs, Kenji Yamada; the Parliamentary Vice-Minister of Economy, Trade and Industry (METI), Akimasa Ishikawa; the newly appointed Chairman and CEO of the Japan External Trade Organization (JETRO), Nobuhiko Sasaki; and the Chairman of the New Energy and Industrial Technology Development Organization (NEDO), Hiroaki Ishizuka. They discussed opportunities for cooperation in several contexts such as the Japanese G20 Presidency 2019 and the Seventh Tokyo International Conference on African Development (TICAD7).

Director General LI also visited the NEC Future Creation Hub in Tokyo and was given a presentation of their technologies by the Executive Vice-President of NEC, Toshiya Matsuki.

In addition, Director General LI exchanged views with faculty members at a joint University of Tokyo–UNIDO workshop on "Exploring Future Industries with Innovation" and delivered keynote speeches at the Japan-UNIDO Multi-stakeholder Cooperation Dialogue titled "Industrialization and Innovation in Africa" and the UNIDO-Sophia University seminar titled "Industrialization, Development and the SDGs–Your Future Career in the United Nations."

## Japan Provides Over US\$5.8 Million to Support UNIDO Projects

**Vienna, Austria, 11 March**

UNIDO has welcomed an announcement by the Government of Japan that it will contribute more than US\$5.8 million to nine projects in Ethiopia, Gabon, the Islamic Republic of Iran, Iraq, Lebanon, Liberia, South Sudan, the State of Palestine and the Syrian Arab Republic. These UNIDO projects promote inclusive and sustainable industrial development by taking a human security approach.

A launch ceremony, hosted by UNIDO Director General LI Yong and Ambassador Mitsuru Kitano, the Permanent Representative of Japan to the International Organizations in Vienna, took place in the presence of representatives from recipient countries.

"We thank the Government of Japan for the trust placed in us to deliver tangible results in close cooperation with all involved partners," UNIDO Director General LI said. "The projects we are unveiling today are going to address the inequalities faced by the most vulnerable populations, inequalities that are preventing them from reaching economic empowerment."

Ambassador Kitano expressed appreciation for UNIDO's role as a platform connecting recipient countries, donor countries and the private sector. He also said these nine projects contribute to the Sustainable Development Goals, and at the same time, embody such important concepts as human security and the humanitarian-development nexus.



DG LI Yong and Ambassador Mitsuru Kitano

## What is UNIDO?

**UNIDO is the specialized agency of the United Nations that promotes industrial development for poverty reduction, inclusive globalization and environmental sustainability.** The mandate of the United Nations Industrial Development Organization (UNIDO) is to promote and accelerate inclusive and sustainable industrial development in developing countries and economies in transition.

UNIDO's vision is a world where economic development is inclusive and sustainable and economic progress is equitable.

The Organization focuses on four strategic priorities:

- Creating shared prosperity
- Advancing economic competitiveness

- Safeguarding the environment
- Strengthening knowledge and institutions

The Organization is recognized as a specialized and efficient provider of key services meeting the interlinked challenges of reducing poverty through productive activities, integrating developing countries in global trade through trade capacity building, fostering environmental sustainability in industry, and improving access to clean energy.

### At a Glance

Establishment: 1966  
 Member States (as of January 2020): 170  
 Headquarters: Vienna, Austria  
 Director General: LI Yong  
 Number of Staff (as of January 2020): 650

## The UNIDO Network

### UNIDO Headquarters Vienna, Austria



Vienna International Centre  
 P.O.Box 300, 1400 Vienna, Austria  
 Tel: (+43-1) 26026-0  
 Fax: (+43-1) 26926-69  
 E-mail: unido@unido.org

**3 Liaison Offices** Brussels, Geneva, New York

### 9 ITPOs

Bahrain  
 China (Beijing)  
 China (Shanghai)  
 Germany  
 Italy

Japan  
 Nigeria  
 Republic of Korea  
 Russian Federation

9



49

### Total 49 Countries

Field Office (30) / Regional Hub (19) / Project Office (2) / Others (2)

#### <<Africa>> 19

- Burkina Faso
- Cameroon
- Côte d'Ivoire
- Congo (Democratic Republic of)
- Ethiopia
- Ghana
- Guinea
- Kenya
- Madagascar
- Mali
- Mozambique
- Nigeria
- Rwanda
- Senegal

- Sierra Leone
- South Africa
- Tanzania
- Uganda
- Zimbabwe

#### <<Arab States>> 7

- Algeria
- Egypt
- Jordan
- Lebanon
- Morocco
- Sudan
- Tunisia

#### <<Asia and Pacific>> 13

- Afghanistan
- Bangladesh
- Cambodia
- China
- India
- Indonesia
- Iran
- Lao PDR
- Pakistan
- Philippines
- Sri Lanka
- Thailand
- Viet Nam

#### <<Europe and Central Asia>> 3

- Armenia
- Kyrgyzstan
- Turkey

#### <<Latin America and the Caribbean>> 7

- Bolivia
- Brazil
- Colombia
- Ecuador
- Mexico
- Nicaragua
- Uruguay

# ITPO Tokyo



## Message from the Head

Dear Readers,

The year 2019 was memorable for our organization, as we accelerated investment and technology promotion programmes with a special focus on Africa. The Seventh Tokyo International Conference on African Development (TICAD7) held in August 2019 in Yokohama provided us with an opportunity to undertake various activities, such as the promotion of African countries' investment environments, business matching between Japanese and African companies, and the promotion of unique and innovative Japanese technologies to address environmental issues and sectoral needs in Africa, to name a few. Such activities were not only held during TICAD7, but also before and after the event.

At TICAD7, we organized no less than nine seminars and side events attracting more than 1,000 participants. We focused on B2Bs and B2Gs, by holding business matching events between African and Japanese companies and government representatives. These events alone resulted in 364 business negotiations that are being followed up. Please refer to Pages 14-15 of this report to learn more.

Africa is now increasingly attracting the attention of Japanese companies seeking diversified business opportunities. We would like to enable our expertise and UNIDO's network of contacts to help foster new businesses in the continent. In this respect, we have also strengthened our presence in Western Africa by appointing a new advisor in Senegal, who joins our existing advisors in Algeria, Ethiopia, and Mozambique.

In addition to Africa, we have also been focusing on enhancing the registration of unique Japanese technologies on our Sustainable Technology Promotion Platform (STePP), and also undertaking other area programmes, including organizing specialized business matching events in Japan for countries such as Bangladesh, Fiji, Pakistan, and Uzbekistan in Asia and Pacific, and Argentine in Latin America.

In 2019, we also had the privilege to welcome our Director General LI Yong to Japan on two occasions, once for bilateral consultations and promotion in April and again during TICAD7 in August where he met with Japanese and African leaders.

Since our establishment in 1981, we have been facilitating B2B and B2G meetings and follow-up activities to bridge Japanese investors and technology holders with markets in developing and emerging countries, under the neutrality of the United Nations. These are our key functions. Thanks to the cooperation of all stakeholders, we have been able to contribute to important projects in various parts of the world every year and we are proud of our achievements.

We highly value the attention and support rendered by all stakeholders and look forward to undertaking exciting new projects and activities going forward in 2020, and welcome your enquiries.

Yuko Yasunaga, Head

## Mission

Our mission is to help developing and emerging countries in their efforts to achieve inclusive and sustainable industrial development (ISID) by promoting foreign direct investment (FDI) and technology transfer from Japan through various activities.

The office was established in March 1981 under an agreement concluded between UNIDO and the Government

of Japan and is one of nine ITPO offices worldwide. The geographical coverage of the office extends to the whole developing world and has recently increased focus on Africa and less developed countries on other continents. Sector-wise, the coverage is also wide, including manufacturing industries, agro-based industries, environment and energy related industries, and the promotion of small and medium sized enterprises (SMEs).

## At a Glance



Establishment: 1981

Head: Yuko Yasunaga

Address: UNU HQs Bldg. 8F, 5-53-70, Jingumae, Shibuya-Ku, Tokyo 150-0001, Japan

Tel: +81-3-6433-5520 Fax: +81-3-6433-5530



## Activities & Results

### Delegate Programme

Invitation of investment and/or technology promotion delegates (mainly officials from government or semi-government institutions) for a short-term stay (average 2 weeks) in Japan in order to hold bilateral business meetings and promote the delegate's country, and specific sectors and projects to attract foreign direct investment (FDI) and technology transfer from Japan.

**10** Delegates  
**193** Business meetings by delegates

### Activities Overseas

Fielding of business and technical expert missions to recipient countries often in coordination with partner institutions in Japan and overseas. Through such missions, Japanese businesspeople have a chance to meet with government leaders and business partners overseas, and also to promote Japanese technologies.

**78** Advisor Services in Africa

### Technology Transfer

Promotion of selected sound, productive and environmentally friendly technologies and know-how of Japanese companies seeking partners overseas, in order to assist sustainable development efforts worldwide.

**25** New technologies

### Seminars & Events

Organization or support of various regional, country specific and/or thematic forums, seminars and workshops, usually in cooperation with other stakeholders in Japan. These events often feature our delegates, but also high level government representatives during official or working visits to Japan.

**67** Seminars

### Capacity Building

Organization of capacity building activities such as lectures, factory visits and fact-finding meetings for various delegations from developing countries, and also for staff of embassies in Japan. The aim of these activities is to enable participants to learn about networking, technologies and business promotion opportunities in Japan.

**86** Participants

## 2019 Results by Region

Region	Delegates	Business meetings by delegates with Japanese companies	Seminars & Events	Capacity building participants (Embassy programme)
Africa	3	70	21	50
Asia	3	61	20	11
Latin America	1	11	6	5
Europe/CIS	1	22	10	11
Middle East and North Africa (MENA)	2	29	5	9
<b>TOTAL</b>	<b>10</b>	<b>193</b>	<b>67*</b>	<b>86</b>

\*Including five additional seminars not dedicated to specific regions.

# DELEGATE PROGRAMME



## ABSTRACT

UNIDO ITPO Tokyo promotes investment and technology from Japan to developing and emerging countries, by inviting officials from these countries to Japan and organizing tailor-made programmes, including promotion events and business meetings in Japan.

## Results

10 Delegates; 193 Business Meetings; 13 Seminars with 684 Participants



## Uzbekistan

11-23 February

Mr. Oybek Khamraev

Head of Department

Ministry for Investments and Foreign Trade

Mr. Khamraev visited Tokyo, Osaka and Fukuoka and had individual meetings with Japanese companies and organizations that are interested in expanding their business in Uzbekistan focusing on infrastructure, renewable energy and textile sectors. Mr. Khamraev also shared information on the latest business environment and investment opportunities in the country. He also gave presentations at the Uzbekistan Business Seminars held in Tokyo, Osaka and Fukuoka.



## Cuba

10-16 March

Ms. Irmina Perojo

Specialist

Ministry of Foreign Trade and Foreign Investment

Ms. Perojo had individual meetings with Japanese companies and organizations that are interested in expanding their business in Cuba focusing on the fields of renewable energy, chemistry and packaging. Ms. Perojo also called for investment in Mariel Special Economic Zone and priority sectors in the country at the Cuba Investment Seminar held in Tokyo on 14 March.

## What is the Delegate Programme?

Investment or technology promotion delegates are invited for a short-term stay (average 2 weeks) in Japan, to promote the delegate's country as a possible destination for Japanese investments or technology transfer. Promotional activities include country presentation seminars and business meetings, where projects from the delegate's country are presented.

## Support by UNIDO ITPO Tokyo

Assistance includes promotion of projects; identification of potential business partners; arrangement of meetings and visits; organization of seminars/roundtable meetings; assistance for business communication/negotiation; provision of temporary office facilities.



Mr. Kerrar (L) and Mr. Harhoura (R)

## Algeria

24-30 March

Mr. Alaeddine Harhoura

General Directorate of the Industrial and Technological Development  
Ministry of Industry and Mines

Mr. Harhoura had individual meetings with Japanese companies and organizations that are interested in expanding their business in Algeria and shared information on the latest business environment and investment opportunities in the country. He also gave a lecture at the Algeria Business and Investment Seminar in Tokyo on 29 March. Mr. Lies Kerrar, our advisor in Algeria, came to Japan around the same time and joined Mr. Harhoura's visits to the companies.



Mr. Neelayya (L) and Mr. Radhakrishna (R)

## Mauritius

2-8 June

Mr. Radhakrishna Neelayya

Market Development Manager, Global Outreach Strategic Business Unit  
The Economic Development Board of Mauritius (EDB)

Mr. Neelayya came to Japan with Mr. Arvind Radhakrishna, Head of the Global Outreach Strategic Business Unit of EDB and had individual meetings with Japanese companies. They shared information on the latest business environment and investment opportunities in the country at the Seminar on Investment and Business Opportunities in Mauritius held in Tokyo on 5 June. In addition, they visited several office premises to establish the EDB's new representative office in Tokyo.



## Kenya

29 June-7 July

Ms. Heather Munyao

Investment Promotion Officer (Japan Desk)  
Kenya Investment Authority (KenInvest)

Ms. Munyao had individual meetings with Japanese companies and organizations that are interested in expanding their business in Kenya, and shared information on the latest business environment and investment opportunities in the country. She also gave a presentation at the Kenya SDGs Business Roundtable Meeting in Osaka.



## Fiji

1-8 September

Mr. Kamal Chetty

Investment Manager  
Investment Fiji

Mr. Kamal Chetty organized bilateral meetings with Japanese companies/organizations interested in such sectors as agriculture, energy and waste treatment. Mr. Chetty also updated the investment climate and business opportunities in Fiji at the seminar held in Akita as well as at the roundtable meeting held in Tokyo.

### Application

Government, semi-government, or non-government organizations may nominate candidates with the following qualifications. The details of the programme are decided and agreed based on the negotiation between UNIDO ITPO Tokyo and the delegate's organization:

- Age between 30-45 with management experience
- Perfect command of spoken/written English

- Strong negotiation and presentation skills
- Ample knowledge of local industry
- Report writing and computer skills

# DELEGATE PROGRAMME



## Egypt

24 November-6 December

**Mr. Nader G. Saad**  
 Technical Component Director  
 The Industrial Modernization Center of Egypt (IMC)

Mr. Nader G. Saad met with Japanese companies and promoted business opportunities as well as providing data and information on related sectors, including automotive, chemicals, building materials and textiles in Egypt.



Mr. Tadesse (L) and Mr. Ntale (R)

## Rwanda

1-14 December

**Mr. Alex Ntale**  
 CEO  
 Rwanda ICT Chamber

Mr. Alex Ntale met with Japanese companies and institutes including venture capitals who see a promising future in the ICT business with Rwanda in Tokyo, Fukushima, Fukuoka, Kobe and Osaka. Local circumstances and business opportunities tailored to each company's needs were provided by the delegate with his experience and knowledge. Our African advisor, Mr. Tadesse Dadi Segni, also came to Japan.

## Water Related Experts from Cambodia and Myanmar -- INCHEM Tokyo 2019

Water-related experts from Cambodia and Myanmar participated in the INCHEM Tokyo 2019 exhibition held at Makuhari Messe from 20 to 22 November. They organized a series of business meetings at the UNIDO booth with Japanese companies and organizations interested in developing water business in the two countries. They also made presentations on business opportunities in their respective countries at the seminar held on 21 November.



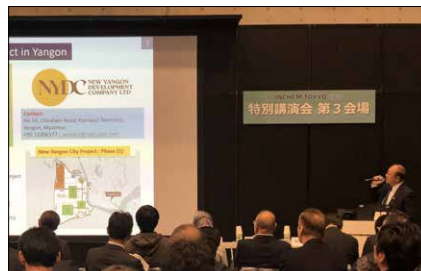
## Cambodia

**Mr. Long Naro**  
 Deputy Director General  
 Phnom Penh Water Supply Authority (PPWSA)



## Myanmar

**Mr. Khin Maung Win**  
 Patron/Executive Consultant  
 Myanmar Water Engineering & Products Co., Ltd.



At the seminar



At the booth





## Activities of the Delegates



Algerian Delegate at a company visit



Rwanda Delegate at a company visit



Fiji Delegate at a meeting



Uzbekistan Delegate at a presentation

### *Business Meetings & Site Visits*



Cuban Delegate visited a company



Cuban Delegate at a seminar

### *Presentations at Seminars*



Algerian Delegate and UNIDO Advisor

### *Visits to Embassies*



Egyptian Delegate with embassy and UNIDO officials



Kenyan Delegate at a seminar



Mauritius Delegate at a seminar

### *Final Reports & Certificates*



Egyptian Delegate handed a report

# TECHNOLOGY TRANSFER



**STePP**

## STePP (Sustainable Technology Promotion Platform)

### ■ Concept

UNIDO ITPO Tokyo promotes selected sound and productive Japanese technologies in order to accelerate the transfer of such technologies to developing and emerging countries.

### ■ Criteria

The technologies are evaluated for registration on STePP by the Evaluation Committee based on the following criteria;

1. Applicability in Developing and Emerging Countries
2. Competitive Advantage
3. Conformity with UNIDO's Mandate of Industrial Development
4. Contribution to Sustainability
5. Technical Maturity

### ABSTRACT

UNIDO ITPO Tokyo promotes selected sound, productive, and environmentally friendly technologies and the know-how of Japanese companies seeking partners overseas, in order to assist inclusive and sustainable development efforts worldwide.

### Results

Environmental Technology Database 83 Companies; 95 Technologies

### ■ Categories

#### Energy Technologies

- Renewable energy
- Energy saving and energy storage
- Utilization of unused resources

#### Environmental Technologies

- Pollution prevention and control
- Waste treatment and management
- Circular economy

#### Agribusiness Technologies

- Food value chain\*<sup>1</sup>
- Production enhancement
- Adaptation to climate change
- Water resource management

#### Human Health Technologies\*<sup>2</sup>

- Public health
- Monitoring and diagnostic equipment

\*1: Processing, transportation, preservation or quality control of acceptable, except for real foods and drinks (beverages).

\*2: It excludes pharmaceuticals, highly invasive medical devices for the human bodies, and folk remedies, etc.

[http://www.unido.or.jp/activities/technology\\_transfer/technology\\_db/](http://www.unido.or.jp/activities/technology_transfer/technology_db/)



**STePP / New Technologies Registered in 2019**

**Well Create Co., Ltd.**

**Food Waste Composting and Creating Recycling Loop**

Merry's system is an efficient method for food waste recycling to produce compost. By utilizing this technology, food waste can be converted into stable quality compost for local farmers.



**IHI Corporation**

**Biomass Gasification Plant: Twin IHI GASifier: TIGAR®**

TIGAR® is a biomass gasification plant that converts biomass into hydrogen and other fuel gases. While biomass resources are gasified, unreacted biomass resources are completely combusted to generate heat for steam.



**MARS Company**

**Special Saltwater Ice Maker for Fish Preservation: Sea Snow**

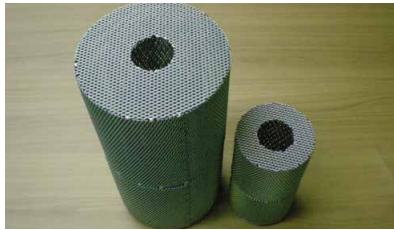
"Sea Snow" is the snowlike ice from sea or salty water that maintains a sub-zero temperature of around -1°C for a long period of time, and can prevent damage to the bodies of fish during delivery.



**Yield Co., Ltd.**

**Multifunctional TiO2 Material: Photocatalyst Titanystar**

Titanystar has higher durability compared to a conventional TiO2 photocatalyst coating. It can be effectively used to clean and transform undrinkable water into safe drinkable water.



**Teral Corporation**

**Solar Pump System with Direct Current Drive Pump**

TERAL's solar pump utilizes direct current power generated by a solar panel without converting it into alternating current, so it can pump water from wells in non-electrified areas at low cost.



**KITA MACHINERY Co., Ltd.**

**Engineering Design and Construction Method for a Sustainable Water Treatment System for Local People**

KITA MACHINERY Co., Ltd. has a wealth of experience in water purification utilizing sand filtration, which can be applied for the removal of heavy metals, dioxins, arsenic and other pollutants.



**CHUWA INDUSTRIAL CO., LTD.**

**Environmentally Friendly and Smokeless Incinerator: CHUWASTAR**

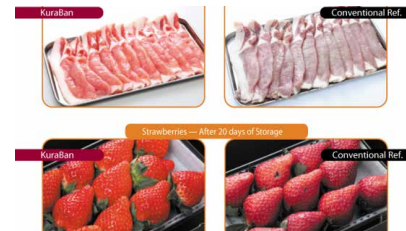
CHUWASTAR is an optimum incinerator for medical waste disposal. It has a water-cooled structure and uses a forced air supply method, which enables smokeless operation and provides excellent durability to high temperatures.



**MARS Company**

**Unique Refrigerating Machines with Supercooling Technology for High-Quality Food Preservation: Kuraban**

Kuraban is a refrigerator that utilizes supercooling and an electric field. It maintains food freshness much longer than regular refrigerators.



**KITA MACHINERY Co., Ltd.**

**Engineering Design and Construction Method for Micro Hydropower System for Efficient and Stable Power Generation**

KITA MACHINERY Co., Ltd. has a great deal of experience in designing water turbines and piping that match the needs and prevailing situation at each site.



Delegate Programme

Technology Transfer

Seminars & Events

Capacity Building

Activities Overseas

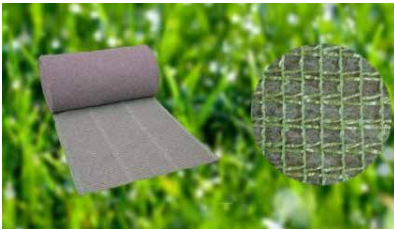
# TECHNOLOGY TRANSFER

## STePP / New Technologies Registered in 2019

### Takino Filter inc.

#### Takino Filter Growing Mats

Takino Filter prevents soil erosion in civil engineering projects implemented to heal and green the bare slopes that are found in public works projects handling natural disasters, resource development and infrastructure maintenance.



### JTOP Co., Ltd.

#### On-site Regeneration System for Activated Carbon Filtration Units

JTOP Co., Ltd. has developed an activated carbon filtration unit equipped with a special regeneration system that recovers filtration performance to the same level as freshly activated carbon after regeneration.



### KAWASAKI KIKO CO., LTD.

#### Tea Ingredient Analyzer Using Near-infrared Spectroscopy

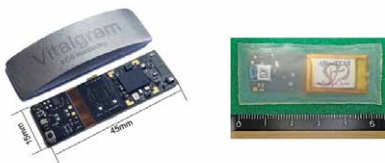
KAWASAKI KIKO has developed a tea ingredient analyzer using near-infrared spectroscopy that can measure the main components of tea in a short time (about 1 minute).



### AffordSENS Corporation

#### Vitalgram®-Patch-type Wearable Multi-Vital Sensing Technology for Health Monitoring

Vitalgram® is one of the world's smallest, lightest, flexible, bendable and patch-type wearable wireless multi-vital sensor. It is worn on the user's chest and constantly monitors the wearer's vital signs.



### Lequio Power Technology Corp.

#### Portable Ultrasound Scanner to Eliminate No Healthcare Service Zones

A portable ultrasound scanner with high resolution and affordable price that will improve health care service in non-electrified areas or remote areas.



### Fermentation Co., Ltd.

#### Integrated Ethanol Production System Utilizing Biomass

The company's unique fermentation system enables the manufacture of ethanol by using a variety of biomasses. This technology turns what was raw waste into ethanol, which can be used for a variety of purposes.



### Excelsior, Inc.

#### Mt. Fuji Toilet: Portable and ECO Friendly Hygiene Facility

This toilet disinfects excrement and removes malodors. As the treated excrement does not need further treatment in the sewerage infrastructure, the product is effective in developing countries where infrastructure is vulnerable.



### Solar Wind Technology inc.

#### JIAT X 'KIREIKUKAN': Long-lasting Disinfectant Containing a Hypochlorous Acid Solution

JIATX has excellent sterilization power and long-term preserving properties. It has fewer impurities than conventional products, so the sterilisation effect derived from free chlorine is preserved longer.



### Sugawara Industry Co., Ltd.

#### Asphalt Waste Recycling Technology Using Hot Mix Recycled Asphalt Plants

An asphalt waste recycling technology that uses hot mix recycled asphalt plants, which reduces the use of new pavement materials by recycling reclaimed asphalt pavement.



**KIHARA WORKS Co., Ltd.**

**Food Dehydrator with Dual-Drying System**

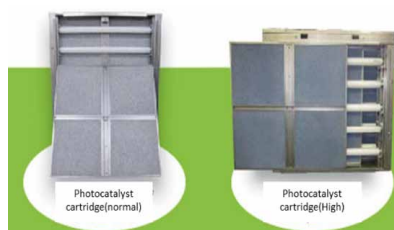
Two sensors are installed in a dehydrator to detect the dry/wet-bulb temperature, and control relative humidity. The dryer produces the best quality dried foods and saves energy.



**Toyokosho Co., LTD.**

**Photocatalytic Deodorization System: PCF® Hybrid**

PCF® Hybrid is a purification system that decomposes the smell component. With its large specific surface area, the photocatalyst utilized for this technology has high performance and high durability.



**MARUSYO SANGYO CO.,LTD.**

**Antimicrobial Coating: Invirosshield M5**

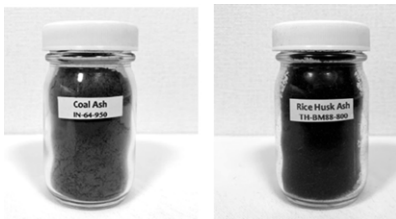
Invirosshield M5 eliminates pathogenic microorganisms and reduces infections in hospitals by its photocatalytic reaction. It contributes to reducing medical expenditure.



**Sion Corporation**

**Functional Material for Water Purification and Deodorization: CircuLite**

This technology is used to synthesize a new inorganic functional material by recycling ash derived from various biomasses. It can be applied for deodorization, water purification and soil conditioning.



**TAIKI SANGYO CO., LTD.**

**Electric Food Dryer**

An electric dryer has many advantages compared to a dryer using kerosene or gas as a heat source: less CO2 emission, low running cost, less regular maintenance and far fewer failures than a dryer using oil.



**Japan Conservation Engineers & Co., Ltd.**

**Plant Growth Biostimulant: Fulvic Acid Extract Fujimin**

Fujimin promotes the activation of photosynthesis, soil agglomeration, buffering of soil pH, desalination of soil and other functions derived from its chelating effect.



**OOHASHI CO., LTD.**

**Durable Construction Temporary Road Mats Made of Recycled Polyethylene for Agricultural Roads and Working Platforms**

Repy Board® high-density polyethylene plates offer an ideal solution to the construction of temporary roads to support vehicular traffic and farmer's access to markets in rural areas.



**Promotional Video Production**

In order to promote the STePP-registered technologies, promotional videos were created for seven technologies in 2019 and made public on UNIDO ITPO Tokyo's website.

- KAIHO INDUSTRY CO., LTD
- Shinco Tecnos Co., Ltd.
- STELLA ENVIRONMENT CORPORATION
- Tamada Industries, Inc.
- NASC NANO TECHNOLOGY CO., LTD.
- Mebiol, Inc.
- Y's Global Vision, Inc.

# HIGHLIGHT—TICAD7



Li Yong, the Director General of UNIDO



## ● Partnering for Africa's Future

On 27 August, UNIDO organized a high-level symposium titled "Promoting Africa's Structural Transformation and Economic Diversification in the Context of AfCFTA/IDDA III/TICAD7: Partnering for Africa's Future" in collaboration with the African Union Commission and the African Development Bank.

"TICAD has been a driving force in African development since its inception, and UNIDO has been acting as the most trusted partner," said LI Yong, whose promotion of IDDA III was ratified in July 2019. He emphasized accelerating the effectiveness of AfCFTA, which boasts \$ 2.5 trillion in potential GDP.

African Development Bank Director Abdu Muktar, Director of Industry and Trade, said the country's industrial restructuring should use one of UNIDO's key initiatives, the Country Partnership Program (PCP).

At the event, a memorandum of understanding was concluded between UNIDO and NEC Corporation to enhance cooperation in ICT technologies and for safer and smart cities in Africa.



## ● Launch of the Flagship Initiative for accelerating Youth Employment in Agriculture and Agribusiness in Africa

On 29 August, a joint side event was held with the United Nations Food and Agriculture Organization (FAO) and various other organizations in the African Union (AU).

This initiative aims to improve the business ecosystem by creating jobs and opportunities for African youth.



## ● Powering African Innovation

At the symposium hosted by UNIDO's Energy Department on 29 August, the role of the renewable energy mini-grid system, the conversion of geothermal energy to hydrogen energy, the role of geothermal energy development, and technology transfer by Japan were discussed. Japan has accumulated technology in this field, and further cooperation is expected.



## UNIDO STePP Booth at the Japan Fair/Japan-Africa Business Forum and EXPO

UNIDO ITPO Tokyo had a booth exhibition within the Japan Fair/ Japan-Africa Business Forum and EXPO, which was organized by JETRO and held on 28-30 August in Pacifico Yokohama. At the UNIDO STePP Booth, 12 companies exhibited their technologies that are expected to contribute to Africa's sustainable development and appealed to heads of states, ministers, high governmental officials, and business leaders from Africa.



## Japan-Africa Business Partner Matching

As a side event of TICAD7, ten African companies from Ethiopia, Mozambique, Senegal and Zambia, and four African advisors, covering Algeria, Ethiopia (Burundi, Rwanda, Uganda), Mozambique and Senegal, met with Japanese business people on 30 August resulting in 99 business-matching meetings over one full day.



## MOU with Rwanda

On 29 August, UNIDO and the Government of Rwanda confirmed their intention to implement an advanced mini-grid system project for innovation in Rwanda, and a signing ceremony was held with the presence of the Minister of Rwanda ICT Innovation and Deputy to the Director General of UNIDO.



## Tunisia-Japan Business Forum

On 29 August, the Embassy of the Republic of Tunisia in Japan and UNIDO ITPO Tokyo jointly organized the Tunisia-Japan Business Forum.

## Reception for Launch of EDB Mauritius Office in Japan/Seminar

The Economic Development Board (EDB) of Mauritius organized an official side-event seminar and reception for the launch of the EDB Japan Office. UNIDO ITPO Tokyo supported EDB with establishment of their new representative office in Tokyo under the delegate programme last June.



## Ethio-Japan Business and Investment Forum

On 30 August, the Embassy of the Federal Democratic Republic of Ethiopia in Tokyo and UNIDO ITPO Tokyo jointly organized the Ethio-Japan Business and Investment Forum.



TICAD stands for Tokyo International Conference on African Development and is an international conference on African development. It has been led by Japan since 1993 and has been co-hosted with the United Nations, the United Nations Development Program (UNDP), the World Bank and the African Union Commission (AUC). The next TICAD 8 will be held in Africa in 2022.

# SEMINARS AND EVENTS



## ABSTRACT

UNIDO ITPO Tokyo organizes and supports seminars, workshops, and forums and participates in various exhibitions and events, to promote UNIDO's activities with developing and emerging countries in Japan. For a detailed list, please see page 28-29 (Appendix).

## Results

67 Seminars; 6,180 Participants / 3 Exhibitions; 1,345 Participants

Industrialization and Innovation in Africa

## ● The University of Tokyo–UNIDO Workshop

On 8 April, during UNIDO Director General LI Yong's visit to Japan, UNIDO and the University of Tokyo co-organized the "Exploring Future Industries with Innovation" workshop. Young researchers gave presentations on innovative approaches on future industries, which was followed by active discussions among UNIDO officials and the students of the University of Tokyo.



University of Tokyo-UNIDO Workshop

## ● Japan-UNIDO Multi-stakeholder Cooperation Dialogue "Industrialization and Innovation in Africa"

On 9 April, the seminar focusing on "Industrialization and Innovation in Africa" was held. Following a keynote speech by Director General LI Yong, UNIDO officers, representatives of Japanese companies, and ambassadors of African embassies in Japan gave presentations and discussed the importance of industrial development and innovation in Africa.



UNIDO-Sophia University Seminar

## ● UNIDO-Sophia University Seminar

On 10 April, a joint seminar titled "Industrialization, Development and the SDGs—Your Future Career in the United Nations" was held at Sophia University. DG LI Yong spoke passionately to the young to convey his thoughts.

## ● Japan-UNIDO Multi-stakeholder Cooperation Dialogue "Partnering for Africa's Challenge on Plastic Litter"

On 7 October, on the occasion of the G20 follow-up meeting held on the implementation framework to tackle marine plastic litter issues, UNIDO organized an open seminar, attracting around 100 participants. The multi-stakeholder dialogue helped reaffirm the commitment of UNIDO, promoting circular economy and resource efficiency on industry, to an effective partnership with all stakeholders in Japan and Africa to tackle the marine plastic issue in Africa.



Partnering for Africa's Challenge on Plastic Litter



## Tunisia Investment and Business Seminar

The Embassy of the Republic of Tunisia, the Japan International Cooperation Agency (JICA) and UNIDO ITPO Tokyo co-organized the Tunisia Investment and Business Seminar in Tokyo on 6 February. The seminar was attended by nearly 130 people, mainly from the private sector, which reflects growing interest in Tunisia with its strategic location to the Arabic, African and European markets.



Tunisia Seminar  
(Photo by JICA)

## Uzbekistan Business Seminar

UNIDO ITPO Tokyo organized the Uzbekistan Business Seminar on 18 February in Fukuoka, 19 February in Osaka, and 21 February in Tokyo, jointly with the Embassy of Uzbekistan in Japan. Mr. Oybek Khamraev, the delegate from the Ministry for Investments and Foreign Trade of Uzbekistan, introduced the latest investment environment and business opportunities in the country.



Uzbekistan Seminar

## SADC-Japan Business Investment Forum

On 28 February, UNIDO ITPO Tokyo co-organized the SADC-Japan Business Investment Forum hosted by the Southern African Development Community (SADC) Embassies in Japan. Mr. Yuko Yasunaga, Head of UNIDO ITPO Tokyo, presented the delegate programmes, African advisors, and successful cases of partnerships with Japanese companies in the SADC region. The events attracted 24 participants in Fukuoka, 53 participants in Osaka, and 100 participants in Tokyo.

## Pakistan Trade & Investment Seminar

From 28 February to 5 March, UNIDO ITPO Tokyo organized a series of seminars to introduce the business environment in Pakistan jointly with JICA in four cities: Nagoya, Osaka, Tokyo and Chiba. The seminars were held on the occasion of the visit of the Pakistan government delegation and attracted a total of 250 participants.



Pakistan Seminar

## African Business Networking Fair 2019

On 13 March, UNIDO ITPO Tokyo co-hosted the event with JICA in Tokyo, attracting 373 participants. In addition to a UNIDO booth at the fair, Mr. Yuko Yasunaga, Head of UNIDO ITPO Tokyo gave a presentation on its programmes for Africa and examples of partnership with Japanese companies.

## Cuba Investment Seminar

UNIDO ITPO Tokyo organized the Cuba Investment Seminar jointly with the Embassy of the Republic of Cuba in Tokyo on 14 March and in Osaka on 15 March. Ms. Irmina Perojo, the delegate from the Ministry of Foreign Trade and Foreign Investment of Cuba, introduced Cuba's business environment and investment projects in the priority sectors.



GUAM + Japan Seminar

## GUAM + Japan Investment Promotion Seminar

On 20 March in Tokyo, UNIDO ITPO Tokyo co-hosted the GUAM Seminar with the Ministry of Foreign Affairs of Japan with the aim of promoting investment in the GUAM nations namely Georgia, Ukraine, Azerbaijan and Moldova. Government officials from those countries introduced their investment environment and business opportunities at the seminar. The event attracted 87 participants.

## Algeria Business and Investment Seminar

UNIDO ITPO Tokyo and the Embassy of the People's Democratic Republic of Algeria in Japan organized the Algeria Business and Investment Seminar in Tokyo on 29 March. The seminar featured the latest business environment and opportunities in Algeria, and attracted nearly 50 business people. Mr. Lies Kerrar, the advisor in Algeria explained the economic situation and four promising sectors.



Algeria Seminar

# SEMINARS AND EVENTS

## B2B Meetings with Bangladesh Companies

UNIDO ITPO Tokyo hosted B2B meetings for 14 Bangladesh companies with Japanese entrepreneurs in Tokyo and Osaka, and also co-organized a business seminar in Fukuoka. The events attracted 80 participants in Tokyo, 46 in Osaka and 101 in Fukuoka.



Bangladesh B2B Meetings

## Seminar on Investment and Business Opportunities in Mauritius

On 5 June, UNIDO ITPO Tokyo organized a seminar in Tokyo jointly with the Economic Development Board (EDB) of Mauritius and JETRO. The delegates from Mauritius highlighted the advantages of Mauritius as a gateway to African business, including geographical advantages, taxation, infrastructure and logistics initiatives, and specific investment opportunities.



Mauritius Seminar

## Kenya SDGs Business Roundtable Meeting

On 3 July, UNIDO ITPO Tokyo, the Osaka Prefectural Government and the Embassy of the Republic of Kenya in Japan co-organized the Kenya SDGs Business Roundtable Meeting in Osaka. It was attended by 10 companies, mostly from the Kansai region, and focused on the current business and investment environment in Kenya. Ms. Heather Munyao, the delegate from Kenya Investment Authority (KenInvest) made a presentation on business opportunities of her country.



Kenya Seminar

## B2B Meetings with Pakistan Textile Companies

UNIDO ITPO Tokyo hosted B2B meetings with two leading textile companies from Pakistan, in cooperation with the Embassy of Pakistan in Japan and the International Development Center of Japan on 12 July in Osaka. The event attracted 30 Japanese companies.



Uzbekistan Seminar

## Uzbekistan Business Seminars

UNIDO ITPO Tokyo hosted Uzbekistan Business Seminars jointly with the Embassy of Uzbekistan on 16 July in Osaka, 17 July in Nagoya and 18 July in Tokyo. The representatives from the Surkhandarya Region and the Republic of Karakalpakstan gave presentations on their trade and investment potentials. Following the seminar, networking and B2B meetings were arranged.



Rwanda Forum

## Rwanda ICT and Innovation Forum

UNIDO ITPO Tokyo co-organized the forum with JICA and the Rwanda ICT Chamber in Tokyo on 26 August. The Rwanda ICT Chamber and the Rwanda Development Board, and also private companies from both Rwanda and Japan gave speeches about business in Rwanda and surrounding countries in terms of ICT and innovation.

## Fiji Business Roundtable Meeting

UNIDO ITPO Tokyo organized the Fiji Business Roundtable Meeting in Tokyo on 4 September. Mr. Kamal Chetty, the delegate from Investment Fiji, gave a presentation on the investment climate and business opportunities in Fiji. Following the presentation, active Q&A and discussion sessions took place.



Fiji Seminar

## ● The 3rd Morocco Investment Seminar

On 6 November, UNIDO ITPO Tokyo co-organized the 3rd Morocco Investment Seminar in Tokyo. (Organizers: The Japan-Morocco Association and the Embassy of the Kingdom of Morocco in Japan)

## ● Business & Legal Seminar on Central Asia

UNIDO ITPO Tokyo hosted the Business & Legal Seminar on 13 November in Tokyo, focusing on five countries in Central Asia (Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan and Uzbekistan). The seminar introduced the legal practices and business opportunities in those countries.

## ● INCHEM TOKYO 2019

UNIDO ITPO Tokyo participated in the INCHEM TOKYO 2019 technology exhibition held on 20-22 November in Tokyo. At the UNIDO booth, experts on water supply and wastewater management from Cambodia and Myanmar had meetings with Japanese companies and organizations interested in developing business in those countries.

During the event, a seminar titled “Success Stories of Technology Transfer Overseas by Japanese SMEs & Business Opportunities in Water/Wastewater Management in Cambodia and Myanmar” was held on 21 November.

## ● Africa Industrialization Day 2019

To commemorate the Africa Industrialization Day adopted under UN resolution, UNIDO has been organizing various events every year in Vienna, where UNIDO headquarters are located, and in African countries, in collaboration with the African Union and the United Nations Economic Commission for Africa. In Tokyo, UNIDO ITPO Tokyo invited ambassadors and diplomats to the UNU to celebrate the Africa Industrialization Day 2019 on 20 November.

## ● Business Matching with Sri Lankan Companies

UNIDO ITPO Tokyo, the Embassy of Sri Lanka in Tokyo, and the Sri Lanka Export Development Board co-hosted business-matching events with companies from Sri Lanka on 26-27 November in Tokyo. The producers/exporters of organic spices and coconut-based products from Sri Lanka discussed possible business partnerships with Japanese companies. In total, 120 B2B meetings were held over the two days.

## ● Business Matching with Argentine Companies

UNIDO ITPO Tokyo hosted a business-matching event between Argentine and Japanese companies jointly with the Embassy of Argentine on 3 October in Tokyo. Two Argentine companies in the business fields of automobile and medical technology visited Japan and had discussions with interested Japanese entrepreneurs.

## ● Rwanda Roundtable Meeting with Startups in Fukuoka

UNIDO ITPO Tokyo and Deloitte Tohmatsu Venture Support Co., Ltd co-organized a roundtable meeting with Mr. Alex Ntale, CEO of the Rwanda ICT Chamber and five startups in Fukuoka on 10 December.



Morocco Seminar



Africa Industrialization Day



Sri Lanka Business Matching



Argentine Business Matching



Rwanda Roundtable Meeting

# CAPACITY BUILDING



**ABSTRACT**  
 UNIDO ITPO Tokyo organizes capacity-building activities such as lectures, visits to factories and exhibitions, and fact-finding meetings for various delegations from developing countries, as well as for embassy officials in Japan.

**Results**  
 4 Embassy Programmes; 86 Participants

## Industrial Policy Workshop for ADC diplomats

On 10-11 January, UNIDO ITPO Tokyo organized the “Industrial Policy Workshop” for the African Diplomatic Corps (ADC) by inviting Professor Kenichi Ohno of the National Graduate Institute for Policy Studies (GRIPS). Thirty-nine diplomats including 6 ambassadors from 19 African embassies attended the workshop over two days where the history of Japan’s industrial policy as well as several case studies in Asian and African countries were discussed.



Professor Kenichi Ohno



## Visit to Matsuo Neutralization Plant

On 18 January, UNIDO ITPO Tokyo organized a visit to the Matsuo Neutralization Plant for ABE Initiative students, in collaboration with Japan Oil, Gas and Metals National Corporation (JOGMEC) and Hinode Sangyo Co., Ltd. Technologies to treat waste water after mining were presented and it became a valuable opportunity for African ABE students to learn about Japan's waste management.



Matsuo Neutralization Plant

## 11th Kawasaki International Eco-Tech Fair

On 8 February, UNIDO ITPO Tokyo and Kawasaki City co-organized a half-day visit to the 11th Kawasaki International Eco-Tech Fair exhibition for diplomats from developing and emerging countries stationed in Tokyo. The participants learned about Japanese technologies in the field of water treatment and waste management that can be transferred to their home countries.



11th Kawasaki Int'l Eco-Tech Fair

## 12th Kawasaki International Eco-Tech Fair

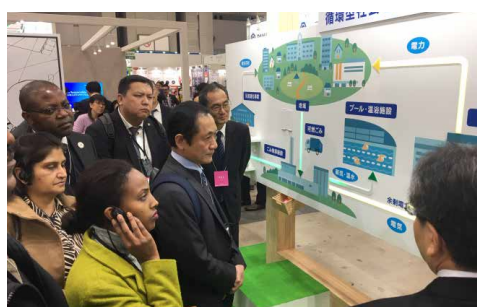
On 14 November, UNIDO ITPO Tokyo and Kawasaki City co-organized a half-day visit to the 12th Kawasaki International Eco-Tech Fair exhibition for diplomats from embassies in Tokyo. Twenty-one diplomats from 17 embassies visited several booths of Japanese companies and learned about the latest environmentally friendly technologies in Japan.



12th Kawasaki Int'l Eco-Tech Fair

## EcoPro 2019

On 6 December, UNIDO ITPO Tokyo organized a guided tour for diplomats of embassies based in Tokyo at the "EcoPro 2019" exhibition held at Tokyo Big Sight, in cooperation with Nikkei Inc. and Japan Environmental Management Association for Industry (JEMAI). Fifteen diplomats from countries in Asia, Middle East and Africa took part and visited several company booths where the latest eco-friendly technologies and services were showcased.



EcoPro 2019

## JICA Training Programme

On June 26, UNIDO's investment promotion activities were introduced to the officials of investment promotion agencies from 15 countries who participated in the training programme "Capacity Development for Investment Promotion" provided by JICA.



JICA Training Programme

# ACTIVITIES OVERSEAS



## ABSTRACT

UNIDO ITPO Tokyo facilitates the business activities of Japanese companies overseas through a network of UNIDO, government, and private sector contacts in developing and emerging countries, and also through the Africa Advisory Programme.

## Results

Africa Advisory Programme; 78 Japanese companies/ organizations received the services of advisors in 2019.

## Africa Advisory Programme

Since 2013, UNIDO ITPO Tokyo has been posting experienced African investment promotion advisors to support Japanese companies interested in starting their businesses on the continent. The advisors provide a variety of services required for doing business in Africa, such as consultations on connecting with local businesses, arranging

meetings with government agencies, matchmaking with local partners, and facilitating site visits to local companies.

As of now, four advisors who are based in Algeria, Ethiopia, Mozambique and Senegal cover seven countries (Algeria, Burundi, Ethiopia, Mozambique, Rwanda, Senegal and Uganda). Since 2016, the coverage has been expanded to East African countries (Burundi, Rwanda and Uganda), and Senegal with coverage of neighboring French-speaking countries in West Africa was added in 2019.

These advisors provided assistance to 78 Japanese companies; some of them have already succeeded in concluding business agreements with local partners and in establishing liaison offices.

### Newly appointed

#### Advisor in Senegal\* Ms. Aïssatou Ndiaye



Executive MBA (Master of Business Administration), IAE Sorbonne University and Paris Dauphine University (France). Ms. Ndiaye is an experienced professional in corporate affairs, with a background in food technology and quality management. Experienced in engaging with relevant stakeholders at various levels, including multinationals, and in advocating and managing Shared Value projects (CSV).



- Languages: French, English, Spanish and Wolof
- Contact: Tel: +221-33-8596774  
E-mail: a.ndiaye@unido.org

\*with coverage of neighboring French-speaking countries in West Africa

#### Advisor in Algeria Mr. Lies Kerrar



Kerrar played a key role in liaising with existing Japanese companies in the sectors of trade, engineering, and manufacturing. Being a member of an Algerian business association (Forum des Chefs d'Entreprises: FCE), helped the advisor establish the Japan Algeria Business Club as a platform to foster business dialogues. The advisor participated in the Algeria Business and Investment Seminar (Tokyo) in March 2019 as a lecturer.



- Languages: French, English, Spanish and Arabic
- Contact: Tel: +213-21-798686 E-mail: l.kerrar@unido.org

## Advisors' highlights



"A need for shipping logistics services provides an opportunity to a Japanese logistics company to set-up a representation office in Maputo to support their operations between Mozambique and Japan".  
Nandio Duraó, Mozambique



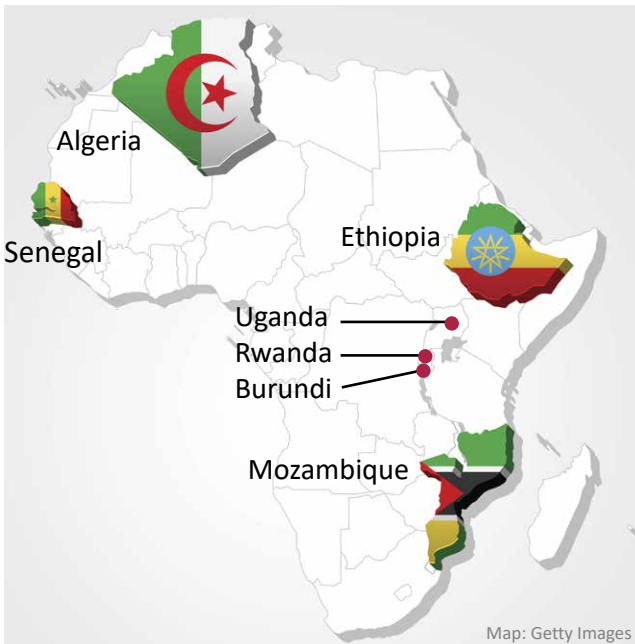
"Japanese automotive manufacturers are exploring a presence in the Algerian market for small to mid size passenger cars, with our support on automotive industrial policies and market studies."  
Lies Kerrar, Algeria



"A Japanese recycling company is exploring municipal waste recycling services in Addis Abeba. The project, which targets the set-up of a recycling plant, is in the final phase of feasibility study".  
Tadesse Segni, Ethiopia



"Fast growing ICT business opportunities in Senegal encouraged a Japan based ICT solutions company to finalize an agreement to establish their operations in a Special Economic Zone".  
Aïssatou Ndiaye, Senegal



Advisors visited Japan with local companies for TICAD7



### Advisor in Ethiopia

#### Mr. Tadesse Dadi Segni



Segni facilitated several matchmaking cases between Japanese companies and local partners by coordinating and facilitating the negotiation process in the sectors of garments, health, leather, trade, and waste management. As a regional advisor in East Africa, he also supported Japanese companies interested in business in three neighboring countries (Burundi, Rwanda, and Uganda). The advisor accompanied the delegate programme from Rwanda in 2019.



- Languages: Amharic and English
- Contact: Tel: +(251-11)544-4490 Mobile: +(251-91)124-7424 E-mail: t.segni@unido.org

### Advisor in Mozambique

#### Mr. Nándio Durão



Duraó facilitated the matching of interested Japanese companies with local enterprises and he provided consultations by closely working with UNIDO's programmes and other Japanese counterparts such as the Japanese Embassy, JICA, and JETRO. The introduction of Mozambican partner companies and advice for setting up a local office were provided to Japanese companies.



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# APPENDIX

## Delegate Programme

	Country	Date	Name	Title	Organization
1	Uzbekistan	11-23 February	Mr. Oybek Khamraev	Head of Department	Ministry for Investments and Foreign Trade
2	Cuba	10-16 March	Ms. Irmira Perojo	Specialist	Ministry of Foreign Trade and Foreign Investment
3	Algeria	24-30 March	Mr. Alaaeddine Harhoura	General Directorate of the Industrial and Technological Development	Ministry of Industry and Mines
4	Mauritius	2-8 June	Mr. Radhakrishna Neelayya	Market Development Manager, Global Outreach Strategic Business Unit	Economic Development Board (EDB)
5	Kenya	29 June-7 July	Ms. Heather Munyao	Investment Promotion Officer	Kenya Investment Authority (KenInvest)
6	Fiji	1-8 September	Mr. Kamal Chetty	Investment Manager	Investment Fiji
7	Cambodia	18-23 November	Mr. Long Naro	Deputy Director General	Phnom Penh Water Supply Authority (PPWSA)
8	Myanmar	18-23 November	Mr. Khin Manung Win	Patron/Executive Consultant	Myanmar Water Engineering & Products Co., Ltd.
9	Egypt	24 November-6 December	Mr. Nader Guirguis Saad Bissada	Technical Component Director	Industrial Modernization Center of Egypt
10	Rwanda	1-14 December	Mr. Alex Ntale	CEO	Rwanda ICT Chamber



## Technology Transfer

**NEW** Registered in 2019

	Company	Technology	Energy Technologies	Environmental Technologies	Agribusiness Technologies	Human Health Technologies
<b>NEW</b>	1 AffordSENS Corporation	Vitalgram®: Wearable Multi-Vital Sensor				<b>X</b>
	2 AGC Inc.	Electrodialysis Using Ion Exchange Membranes		<b>X</b>	X	
		High Durability Film "F-CLEAN™" for Greenhouse	X		<b>X</b>	
	3 BGCT JAPAN K.K. Creative Co., Ltd.	Solid Recovered Fuel 'Green Coal' - RPPWF™	<b>X</b>	X		
	4 Biomaterial in Tokyo Co., Ltd. (bits)	Ethanol Production through Yeast Fermentation	<b>X</b>			
<b>NEW</b>	5 CHUWA INDUSTRIAL CO., LTD. M.K.D. Corporation	Environment-friendly and Smokeless Incinerator: CHUWASTAR		<b>X</b>		
	6 COMOTEC Corporation	Cassette-type Black Smoke Removal Device		<b>X</b>		
	7 CR-POWER LLC	C-POWER Plant	<b>X</b>	X		
	8 Donico Inter Co., Ltd.	Micro-Sizer: Glass Cullet Production Equipment		<b>X</b>		
		Efficient Glass Interlayer Separation Equipment			<b>X</b>	
	9 EcoCycle Corporation	EcoClean and GreenClean Series for Bioremediation		<b>X</b>		
	10 Ef-Initials Co., Ltd.	Multilayer Nanotechnology Coatings			<b>X</b>	X
	11 EiShin Co., Ltd.	Energy Efficient & Eco-Friendly Automobile Filter Spray	<b>X</b>	X		
<b>NEW</b>	12 Excelsior, Inc.	Mt. Fuji Toilet: Portable and ECO-friendly Hygiene Facility		<b>X</b>		X
<b>NEW</b>	13 Fermentation Co., Ltd.	Integrated Ethanol Production System Utilizing Biomass		<b>X</b>	X	
	14 FUMIN Co., Ltd.	Coating for Ultraviolet and Infrared Ray Shielding	<b>X</b>			
		"MR-X" Agricultural Materials for Environmental Protection				<b>X</b>
	15 Gaina Pro Co., Ltd., NISSIN-SANGYO CO., LTD.	GAINA - A Multifunctional Ceramic Coating Material	<b>X</b>			
	16 GUUN Co., Ltd.	Fluff Fuel Technologies Derived from Waste Plastics		<b>X</b>		
	17 HINODE SANGYO Co., Ltd.	Elbic Series Solutions for Wastewater Treatment		<b>X</b>		
		Hinode Microbubble Generator (HMB)			<b>X</b>	
	18 Hitachi Metals, Ltd.	Amorphous Energy Efficiency Distribution Transformer	<b>X</b>			
<b>NEW</b>	19 IHI Corporation	TIGAR®(Twin IHI GASifier)	<b>X</b>			
	20 JAG SEABELL CO., LTD.	Micro Hydropower System (Ultra-low Head)	<b>X</b>			
<b>NEW</b>	21 Japan Convection Engineers & Co., Ltd.	High Concentrate Fulvic Acid Solution "Fujimin®"			<b>X</b>	
	22 Japan Insulation Co., Ltd.	Thermal Insulation Materials Using Biomass	<b>X</b>	X		
<b>NEW</b>	23 JTOP Co., Ltd.	On-site Regeneration System of Activated Carbon Filtration Unit		<b>X</b>		
	24 KAIHO INDUSTRY CO., LTD.	Eco-Friendly ELV Recycling System		<b>X</b>		
	25 KANEKA Corporation	KANEKA Biodegradable Polymer PHBH™		<b>X</b>		
<b>NEW</b>	26 KAWASAKI KIKO CO., LTD.	Tea Ingredient Analyzer			<b>X</b>	
	27 KAWATOKU CO., LTD.	Removing Heavy Metals from Water		<b>X</b>		
<b>NEW</b>	28 KIHARA WORKS Co., Ltd.	Food dryer with DDS (Dual Drying System)			<b>X</b>	

As of December 2019

# APPENDIX

## Technology Transfer

**NEW** Registered in 2019

	Company	Technology	Energy Technologies	Environmental Technologies	Agribusiness Technologies	Human Health Technologies
	29 KINSEI SANGYO CO., Ltd.	Waste Incinerator of Gasification System		X		
<b>NEW</b>	30 KITA MACHINERY Co.,Ltd	Design and Construction of Wastewater Treatment Facility		X		
<b>NEW</b>		Design and Construction of Small Hydropower Generation	X			
	31 Kokusaikan Corporation Japan	Nanotechnology & Industrial Coatings	X			X
	32 KOMAIHALTEC Inc.	Mid-Size Wind Turbine "KWT300" (300kW)	X			
	33 KYOCERA Corporation	Photovoltaic Module / Solar Hybrid System	X			
<b>NEW</b>	34 Lequio Power Technology Corp. Okinawa Medical Device Co., Ltd.	Ultrasound Imaging Diagnostic Device				X
<b>NEW</b>	35 MARS Company	High-Quality Food Preservation: Kuraban			X	
<b>NEW</b>		Special Ice Maker from Salty Water: sea snow			X	
<b>NEW</b>	36 MARUSYO SANGYO CO.,LTD.	Antimicrobial Coating: Inviroshield M5		X		X
	37 Mebiol, Inc.	Sustainable Agriculture through Film Farming			X	
	38 Meiwa Co., Ltd.	Biochar for Drought-vulnerable Agriculture			X	
		Converting Organic Waste into Charcoal		X	X	
	39 Microtech Inc.	Drinking Water Quality Analysis Technology				X
	40 Mikuniya Corporation	Mishimax Organic Waste Treatment System		X		
	41 Mitsubishi Chemical Aqua Solutions Co., Ltd.	On-Site Water Treatment System		X		X
	42 Nabell Corporation	Portable Solar Power Charge and Storage System	X			
	43 Nakayama Iron Works, Ltd.	Pico and Micro Hydropower Systems	X			
	44 NascNano Technology Co., Ltd.	Multifunctional Nano-coating Technology		X		X
	45 NGK INSULATORS, LTD.	Sodium Sulfur Battery System	X			
	46 Nihon Genryo Co., Ltd.	Eco-friendly Mobile Sand Filtration Device		X		
		Eco-friendly Non-Electric Sand Filtration Device		X		
		Eco-friendly Sand Filtration Device		X		
	47 NIHONHAKKO Co., Ltd.	KID System		X		
	48 Nippon Basic Co., Ltd.	Bicycle-Powered Water Purifying Equipment		X		X
		Desalination of Seawater for Drinking			X	
	49 Nippon Biodiesel Fuel Co., Ltd. (NBF)	Rural Energy Supply with Jatropha	X		X	
	50 Nomura Kohsan Co., Ltd.	Mercury Waste Recycling Technology		X		
	51 Old Faithful Japan Co., Ltd.	Clean Move		X		X
<b>NEW</b>	52 OOHASHI CO., LTD.	Road Mats Made of Recycled Polyethylene		X	X	
	53 OSMO Co., Ltd.	Distributed Simple Water Purification Plant System		X		X
	54 Panasonic Corporation	Rechargeable Solar LED Lantern	X			

	Company	Technology	Energy Technologies	Environmental Technologies	Agribusiness Technologies	Human Health Technologies
	55 Persh, Inc	Energy-Saving Ceramic Sheets for Air Conditioners	X			
	56 RBC Consultant Co., Ltd.	Water Treatment with Bakture System		X	X	
	57 Sanso Electric Co., Ltd.	Desalination - Small Equipment for Making Seawater into Drinking Water			X	X
NEW	58 Sion Corporation	Functional Material: CircuLite	X	X		
	59 Shinko Tecnos Co., Ltd.	Plastic Changing to Oil Machine (BP-2000N/5000N)	X	X		
		Hydrothermal Treatment Technology		X		
	60 SO-EN CO., LTD.	Water Treatment with Carbon Fiber		X		
NEW	61 Solar Wind Technology inc. KANKYO BUNKA KENKYUSHO Co.,Ltd Aga Material Co., Ltd.	JIAT X KIREIKUKAN				X
	62 STELLA ENVIRONMENT CORPORATION	Small-Type Medical Waste Incinerator		X		
NEW	63 Sugawara Industry Co.,Ltd.	RAP recycling plant		X		
	64 Sumino Co., LTD.	Micro Hydraulic Power Unit (Spiral Type Pico-Hydro Unit)	X			
	65 Sumitomo Electric Industries, Ltd.	Concentrator Photovoltaic (CPV) Power Generation System	X			
		Vanadium Flow Battery System for Energy Efficiency	X			
NEW	66 TAIKI SANGYO CO., LTD.	Electric Food Dryer			X	
NEW	67 Takino Filter inc.	Takino Filter Growing Mats			X	
	68 Tamada Industries, Inc.	SF Double-wall Tank		X		
	69 TBM Co., LTD.	FOG-green Power Generation System	X	X		
	70 TECHNO TAKATSUKI, CO., LTD.	Linear Diaphragm Air Pump	X	X		
NEW	71 Teral Corporation	DC Solar pump system			X	
	72 TESNA Energy Co., Ltd.	Compact Waste Incinerator		X		
	73 TOHATSU CORPORATION	Electronically Controlled 4 Stroke Fuel Injection Systems (Model: VF53AS)			X	
	74 TOTETSU MFG. CO., LTD.	Rainwater Harvesting and Underground Storage			X	
	75 Tottori Resource Recycling Inc.	Porous System		X	X	
NEW	76 Toyokosho Co., LTD.	Photocatalytic Deodorization System: PCF® Hybrid		X		X
	77 Tromso Co., Ltd.	Rice Husk Briquette Machine		X	X	
	78 Tsukishima Kankyo Engineering Ltd.	Waste Liquid Incineration System		X		
	79 VPEC Inc.	Power Router for ECONETWORK	X			
NEW	80 Well Create Co., Ltd.	Merry's System: Food Waste Composting and Creating Recycling Loop		X	X	
	81 Yamaha Motor Co., Ltd.	Rural Electric Water Sanitary Station		X		X
NEW	82 Yield Co., Ltd.	Photocatalyst Titanystar		X		X
	83 Y's Global Vision, Inc.	Compact-Sized Desalination Device			X	X

# APPENDIX

## Seminars & Events

### Seminars/Workshops

	Name of Seminar/Workshop	Date	City	Participants
1	Rwanda-Japan Business Forum	9 January	Tokyo	230
2	INVEST-KIC TOKYO2019 Roadshow	9 January	Tokyo	62
3	Japan-Morocco Association New Year's Symposium	24 January	Tokyo	92
4	Bangladesh ICT Seminar	25 January	Tokyo	100
5	Tunisia Investment and Business Seminar	6 February	Tokyo	126
6	Uzbekistan Business Seminar	18 February	Fukuoka	24
7	Uzbekistan Business Seminar	19 February	Osaka	54
8	The Prospects of Japanese Automotive Assembly in Ethiopia: Policy Issues and Concrete Problems	20 February	Addis Ababa	20
9	Uzbekistan Business Seminar	21 February	Tokyo	101
10	3rd SADC - Japan Business & Investment Forum	28 February	Osaka	150
11	Pakistan Trade & Investment Seminar	28 February	Nagoya	57
12	Pakistan Trade & Investment Seminar	1 March	Osaka	39
13	Pakistan Trade & Investment Seminar	4 March	Tokyo	120
14	Pakistan Foodex Seminar	5 March	Chiba	25
15	Palau Business Seminar	11 March	Tokyo	163
16	Africa Business Networking Fair 2019 (ABE Initiative)	13 March	Tokyo	373
17	Cuba Investment Seminar	14 March	Tokyo	58
18	Cuba Investment Seminar	15 March	Osaka	16
19	Kick-off Symposium: Global Pro-Active Root Technology Program	15 March	Tokyo	99
20	Turkey Trade and Investment Seminar	18 March	Nagoya	39
21	GUAM+Japan Investment Promotion Seminar	20 March	Tokyo	87
22	Algeria Business/Investment Seminar	29 March	Tokyo	61
23	University of Tokyo-UNIDO Workshop	8 April	Tokyo	27
24	UNIDO Seminar Japan-UNIDO Multi-stakeholder Cooperation Dialogue "Industrialization and Innovation in Africa"	9 April	Tokyo	130
25	UNIDO-Sophia University Seminar "Industrialization, Development and the SDGs" -Your future career in the UN-	10 April	Tokyo	76
26	Bangladesh B2Bs and Business Seminar	16 April	Tokyo	81
27	Bangladesh B2Bs and Business Seminar	18 April	Osaka	48
28	Bangladesh Business Seminar	19 April	Fukuoka	101
29	Bangladesh IT Seminar	8 May	Tokyo	60
30	Argentine Agri-Industry Seminar	13 May	Tokyo	114
31	Cuba Investment Seminar	20 May	Tokyo	180
32	G20-T20 Roundtable Discussion on "Global Value Chains for Inclusive Development: FDI, investment facilitation and linkage creation"	28 May	Tokyo	71
33	Investment Potential of the Republic of Belarus and the Industrial Park "Great Stone"	28 May	Tokyo	70
34	Seminar on Investment and Business opportunities in Mauritius	5 June	Tokyo	110
35	Africa Business Seminar in Oita	18 June	Oita	60
36	Investment Seminar on the Kingdom of Morocco	25 June	Nagoya	49
37	Kenya SDGs Business Round-table Meeting in Osaka	3 July	Osaka	19
38	Africa Investment Forum Roadshow in Tokyo	4 July	Tokyo	50
39	B2Bs with Pakistan Textile Companies	12 July	Osaka	36
40	Uzbekistan Business Seminar & Networking	16 July	Osaka	64
41	Uzbekistan Business Seminar & Networking	17 July	Nagoya	61
42	Uzbekistan Business Seminar & B2Bs	18 July	Tokyo	152
43	JOI Global Topic Seminar (East Africa) -Doing business in Africa with local partners-	23 August	Tokyo	70

## Seminars/Workshops

	Name of Seminar/Workshop	Date	City	Participants
44	Rwanda ICT & Innovation Forum	26 August	Tokyo	90
45	Tunisia-Japan Business Forum	29 August	Yokohama	150
46	Doing Business with Africa: Think Africa Invest Mauritius	29 August	Yokohama	41
47	Ethio-Japan Business and Investment Forum	30 August	Yokohama	200
48	TICAD7: Japan - Africa Business Partner Matching	30 August	Yokohama	59
49	Reception for Launch of the EDB Japan	30 August	Tokyo	114
50	Fiji Roundtable Meeting	4 September	Tokyo	17
51	Fiji Trade and Tourism Seminar	6 September	Akita	70
52	Pakistan and Bangladesh Legal Seminar	30 September	Tokyo	200
53	Bangladesh Apparel Seminar	2 October	Tokyo	90
54	Business Matching with Argentine Companies	3 October	Tokyo	11
55	UNIDO Seminar Japan-UNIDO Multi-stakeholder Cooperation Dialogue "Partnering for Africa's challenge on plastic litter"	7 October	Tokyo	122
56	10th Kobe Africa Business Seminar "Key to Business in Africa - Logistics, Human resources and Social issues"	18 October	Kobe	136
57	Cuba Bio Pharmaceutical Seminar	23 October	Tokyo	40
58	The 3rd Morocco Investment Seminar	6 November	Tokyo	52
59	Central Asia Business and Legal Seminar	13 November	Tokyo	109
60	Africa Industrialization Day 2019	20 November	Tokyo	36
61	UNIDO Seminar "Success Stories of Technology Transfer Overseas by Japanese SMEs & Business Opportunities in Water/Wastewater Management in Cambodia and Myanmar"	21 November	Chiba	119
62	Sri Lanka Business Matching	26 November	Tokyo	21
63	Sri Lanka Business Matching	27 November	Tokyo	30
64	Round-table Meeting with startups in Fukuoka (Rwanda ICT Chamber)	10 December	Fukuoka	16
65	Round-table Meeting at Kobe Institute of Computing (Rwanda ICT Chamber)	11 December	Kobe	19
66	Bangladesh Business Seminar	11 December	Tokyo	160
67	India Legal Seminar	16 December	Tokyo	120
Total				6,180

## Exhibitions

	Name of Exhibition	Date	City	Booth Visitors
1	UNIDO STePP Booth at the Japan Fair 'Japan-Africa Business Forum and EXPO'	28-30 August	Yokohama	345
2	INCHEM Tokyo 2019	20-22 November	Chiba	500
3	EcoPro 2019	6 December	Tokyo	500
Total				1,345

## Capacity Building

### Embassy Programmes

	Name of Event	Date	City	Participants	Countries
1	Industrial Policy Workshop for African Embassies	10-11 January	Tokyo	24	19
2	11th Kawasaki International Eco-Tech Fair	8 February	Kawasaki	26	25
3	12th Kawasaki International Eco-Tech Fair	14 November	Kawasaki	21	16
4	EcoPro 2019	6 December	Tokyo	15	13
Total				86	



**UNITED NATIONS  
INDUSTRIAL DEVELOPMENT ORGANIZATION**

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