



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



ANNUAL REPORT 2020

INVESTMENT AND TECHNOLOGY PROMOTION OFFICE, TOKYO

Message from the Head



We started the year 2020 with high expectations for a busy year with promising physical activities to promote investment and technology from Japan to developing and emerging nations. Instead we were faced with unknown and stark challenges posed by the COVID-19 pandemic, which affected the whole world.

Our first priority was the wellbeing of our staff and counterparts in Japan and all over the world. We adjusted the way we work in the office. Teleworking, staggered office schedules and online meetings and activities became the new “new normal”. Our next priority was to continue our service to recipient countries and Japanese companies, especially SMEs, and institutions in a positive way. From June 2020, we started organizing online activities, including country seminars, delegate programmes, business matching (B2B and B2G) meetings, and even exhibitions, based on our mandates of promoting ISID (Inclusive and Sustainable Industrial Development) along with expectation from the Ministry of Economy, Trade and Industry. While we also had the chance to hold a few physical activities, our online

presence, spearheaded and mostly managed internally by our innovative staff, made up most of our work.

In 2020, we also responded to a call by the Ministry of Foreign Affairs of Japan within the framework of Japan’s response to the COVID-19 pandemic, and engaged in a new project together with UNIDO Headquarters, based on UNIDO ITPO Tokyo’s Sustainable Technology Promotion Platform (STePP). The project aims to demonstrate and transfer Japanese technologies from 13 companies to 12 developing countries, by providing equipment and solutions to improve health, sanitary and hygiene environments, and to strengthen capacities and fight against the crisis caused by COVID-19. This project is expected to be completed in 2021, and we look forward to reporting its results.

With such activities and projects, we continue to believe that investment and technology promotion are key to achieving the inclusive and sustainable industrial development world-wide and to fighting against COVID-19. We also remain committed to the successful achievement of the 2030 Agenda for Sustainable Development, by contributing to regional initiatives such as the next and 8th Tokyo International Conference on African Development (TICAD8), which will be held in Tunis in 2022.

We will continue to work in this path in 2021 and beyond, look forward to your continued cooperation and understanding, and wish all our counterparts health and prosperity going forward.

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



Response to COVID-19

“Switching from offline to online and teleworking arrangements”



Just as other organizations in the world, COVID-19 obliged us to switch to innovative yet efficient online working arrangements, including tele-working, staggered and shorter office hours, activities and internal/external meetings online.

Using online communication and meeting tools, our staff started self-training around April-May 2020 in order to conduct online seminars (so-called webinars) and business matching meetings. We quickly managed to master the organizational skills necessary to make such events successful. Starting in June 2020, various events were already being held online. For some events requiring broader tasks and more detailed preparations, third-party vendors were used.

In this way, we could continue our services to recipient countries as well as Japanese companies in facilitating investment and technology transfer. While organizing country seminars and business matching (B2B and B2C meetings) has been challenging, the following positive points enabled our work to continue online under COVID-19:

- Japanese companies and recipient countries maintained a strong interest for cooperation.
- Online seminars allowed higher level speakers to be present.
- More people from all over the world to join the events at their convenience, so total number of participants were up to 2-4 times higher than physical events.
- Q&A sessions attracted more questions as all of them were received online and in real time.
- Online B2Bs or B2Gs allowed for fruitful meetings without the need for travel, resulting in significant cost savings.

Naturally, all physical travels and meetings cannot be sustainably replaced by online activities alone, given some limitations. However, we feel that we have effectively balanced responding to the COVID-19 threat and ensuring continuity in our service provision with reasonable results.

We also embarked together with UNIDO Headquarters on a complimentary project to promote 13 technologies from 12 Japanese companies registered in our STePP database, as a response to mitigating responses to COVID-19 challenges in selected developing countries. You can read more about this project on pages 14-15.

Even once the COVID-19 situation stabilizes and we are able to gradually return to our usual physical activities, we plan to keep online activities as an alternative way of promotion, at least in the short and medium term.



About 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.



Establishment: 1966
Member States : 170*
Headquarters: Vienna, Austria
Director General: LI Yong
Number of Staff : 692*

*As of December 2020

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.

UNIDO – Japan Cooperation

In 2020, UNIDO and Japan extended their cooperation on the Sustainable Development Goals (SDGs) in order to move closer to the achievement of the 2030 Agenda for Sustainable Development.

The Government of Japan contributed to several UNIDO projects in Pakistan, South Africa, Uganda, the Islamic Republic of Iran and Iraq. The newly-funded projects cover from human security to strengthening of national institutions and industrial value chains to climate and environmental protection. Additional funding was also allocated for the implementation of the programme for hosting and managing the Climate Technology Centre and Network (CTCN), which is the operational arm of the United Nations Framework Convention on Climate Change (UNFCCC) and is jointly hosted by UNIDO and UN Environment Programme (UNEP). Furthermore, a separate project was funded in response to the COVID-19 pandemic, aiming to demonstrate and transfer Japanese technologies from 13 companies to countries in Asia and Africa, by providing equipment and solutions to improve health, sanitary and hygiene environments, and to strengthen capacities and fight against the crisis caused by COVID-19. All of this support from Japan to UNIDO comes in addition to the funding and support to UNIDO ITPO Tokyo.

UNIDO – Japan Decade of Action

In September 2019, the Sustainable Development Goals (SDGs) Summit launched the Decade of Action, highlighting that in times of uncertainties, deeper inequalities, and the climate crisis more effective actions and even closer partnerships are required to deliver the SDGs.

Against this backdrop, UNIDO stands ready to intensify the cooperation with Japan and partner countries to

contribute to the achievement of the 2030 Agenda. The solid partnership between Japan and UNIDO is growing every year. It encompasses virtually all aspects of industrial development: from reducing poverty and bolstering human security in areas affected by crises, to trade, technology promotion and investment facilitation. The cooperation further includes the engagement of the private sector and a wide range of activities in the areas of energy and environment to tackle climate change.

UNIDO is an active partner and supporter of the Tokyo International Conference on African Development (TICAD) that was launched by the Government of Japan as a pioneer forum for African development. A number of projects related to the TICAD7 priorities are currently being implemented by UNIDO.

Factsheets



Factsheets have been developed to showcase some ongoing and completed UNIDO projects funded and supported by the Government of Japan, specifying their direct contributions to the SDGs.

Available at: www.unido.org/unido-japan-cooperation-deliver-globalgoals

The UNIDO Network

UNIDO Headquarters

Vienna International Centre
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 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



4 8

Total 48 regional hubs:

5 Regional office hubs / 4 Regional offices / 39 Country offices

<<Africa>>

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>>

Algeria
 Egypt
 Jordan
 Lebanon
 Morocco
 Sudan
 Tunisia

<<Asia and the Pacific>>

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

<<Europe and Central Asia>>

Armenia
 Kyrgyzstan
 Turkey

<<Latin America and the Caribbean>>

Bolivia
 Brazil
 Colombia
 Ecuador
 Mexico
 Nicaragua
 Uruguay

Activities & Results

How UNIDO ITPO Tokyo supports Japanese companies interested in doing business in developing countries

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.

3 Delegates

31 Business meetings
by delegates

-----> p. 8



Japanese companies can discuss specific business topics with officials from Investment Promotion Agencies of developing countries, by joining delegate programme activities and meetings.



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.

23 New technologies

-----> p. 10



Japanese companies can share information on their technologies with developing countries, by registering on STePP (Sustainable Technology Promotion Platform).

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.

37 Seminars

-----> p. 16



Japanese companies and institutions can collect general information on developing countries, by joining our seminars and events.

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.

12 Participants

-----> p. 21



Delegations from developing and emerging countries and embassy officials in Japan can benefit from capacity building activities.



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.



Companies and institutions in Japan and in African countries covered by our advisors are invited to contact them for specific business discussions and general inquiries.

*covering Algeria, Burundi, Ethiopia, Mozambique, Rwanda, Senegal and Uganda, and other French speaking countries in West Africa

83 Advisor Services in Africa

→ p. 22



2020 Results by Region

Region	Delegates	Business meetings by delegates with Japanese companies	Seminars & Events	Seminars & Events participants
Africa	2	15	17	2,041
Asia and the Pacific	1	16	12	2,283
Latin America	0	0	3	598
Europe/CIS	0	0	2	163
Middle East and North Africa (MENA)	0	0	1	311
TOTAL	3	31	37*	5,724*

*Including 2 seminars not dedicated to specific regions.

2018/19 Results by Region (for reference)

Region	Delegates		Business meetings by delegates with Japanese companies		Seminars & Events		Seminars & Events participants	
	'18	'19	'18	'19	'18	'19	'18	'19
Africa	4	3	38	70	22	21	4,059	2,106
Asia and the Pacific	5	3	189	61	14	20	998	1,657
Latin America	1	1	15	11	2	6	150	419
Europe/CIS	3	1	26	12	3	10	125	761
Middle East and North Africa (MENA)	1	2	12	29	0	5	0	469
TOTAL	14	10	280	193	45**	67**	6,180**	5,747**

**Including seminars not dedicated to specific regions.



DELEGATE PROGRAMME



ABSTRACT

UNIDO ITPO Tokyo promotes investment and technology from Japan to developing and emerging countries, by organizing individual meetings and promotion events online together with representatives of Investment Promotion Agencies (IPAs).

Results

3 Delegates; 31 Business Meetings; 2 Seminars and B2Bs with 601 Participants

Nigeria Nigerian Investment Promotion Commission (NIPC) 7 - 30 September

- ◆ Mr. Mohammed Baba, Deputy Director of Investor Relations – JAPAN DESK
- ◆ Mr. Abayomi Salami, Deputy Director of Policy Advocacy



Mr. Baba and Mr. Salami have been working at NIPC for over 20 years to attract FDI to Nigeria, including coordination among relevant organizations/agencies, support of company registration, land acquisition and facilities investment, improvement of investment policies, and relevant incentives for foreign investors.

Mr. Baba, acting as Japan Desk of NIPC, has visited Japan many times to facilitate business partnerships between Japan and Nigeria. Within its premises, NIPC has the One Stop Investment Center which houses related government agencies for investment approvals and permits.

During the programme, Mr. Baba and Mr. Salami had individual online meetings with 15 Japanese companies interested in doing business in manufacturing, agriculture and ICT sectors in Nigeria. They also presented at the online “Nigeria Business Seminar” together with the Executive Secretary & CEO of NIPC, Ms. Yewande Sadiku, introducing recent business environments and investment potentials in Nigeria to Japanese companies.

→ Please visit p. 17 for details of the seminar

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.

*Due to the COVID-19 pandemic, we have organized delegate programmes only online in 2020.

◆ Mr. Jalalul Hai, CEO of HAISON International



Mr. Jalalul Hai devoted his career to promote business partnerships between Bangladesh and Japanese enterprises. After working at the Board of Investment of Bangladesh (BOI) to provide services to foreign investors, he joined the Embassy of Japan in Dhaka as an economic advisor. In January 2015, Mr. Hai established Haison International, Ltd. and continues extending his support to further develop business relations between Bangladesh and Japan.

During the programme, Mr. Jalalul Hai had individual meetings with 16 Japanese companies interested in developing their business in Bangladesh. He also made a presentation at the “Bangladesh Business Seminar” held on 10 November. Mr. Hai was also instrumental facilitating smooth communication and encouraging business partnerships between Bangladesh and Japanese companies during the business matching event held between 11 November and 4 December.

→ Please visit p. 18 for the details of the seminar and the business matching event

 **Testimonial from a Japanese company**

We appreciate UNIDO ITPO Tokyo's facilitation of a meeting with Mr. Hai, who has good experiences in supporting Japanese companies. Mr. Hai provided us with valuable information on Bangladesh business practices, which we were not able to collect from our network in Japan.

 **How to apply for the delegate programme (for Recipient countries)** 

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

- Age preferably 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

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.

* Interested organizations may send a request by e-mail; itpo.tokyo@unido.org

 **How to join delegate programme activities and meetings (for Japanese companies)**

We organize delegate programmes occasionally based on discussions and coordinations with investment promotion agencies (IPAs) in developing countries and economies in transition. Once programmes are fixed, details will be uploaded on our website (unido.or.jp/en/).

Past Delegate Programmes (for reference)

In 2020, we have organized the delegate programme only online due to the COVID-19 pandemic. In 2018 and 2019, ITPO Tokyo invited delegates from the countries below to Japan.

2018

Ethiopia/ Kyrgyz Republic/ Mozambique
Pakistan/ Cuba/ Fiji/ Turkey/
Indonesia/ Myanmar/ Vietnam
Uganda/ Morocco

2019

Uzbekistan/ Cuba/ Algeria/ Mauritius
Kenya/ Fiji/ Cambodia/ Myanmar
Egypt/ Rwanda

TECHNOLOGY TRANSFER



ABSTRACT

UNIDO ITPO Tokyo promotes selected sound, productive, and sustainable 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 101 Companies; 118 Technologies (23 registered in 2020)



STePP (Sustainable Technology Promotion Platform)

■ Concept

UNIDO ITPO Tokyo promotes selected sound, productive and sustainable 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

■ 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*¹
- Production enhancement
- Adaptation to climate change
- Water resource management

Human Health Technologies*²

- 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/



STePP / New Technologies Registered in 2020

Bamboo Chemical Laboratory, Ltd. Three Types (Pelton, Screw, Undershot) of Small Hydropower Generators

The range of power output generated by a relatively small-capacity turbine is 10kW or less, and the equipment can be installed at lower cost as compared to large-scale types.



Green Science Alliance Co., Ltd. 100% Nature Biomass Based Biodegradable Resin: Nano Sakura

This consists mainly of biodegradable cellulose and/or starch, and/or PLA (polylactic acid). These biodegradable materials can be properly compounded with nano fibrillated cellulose and/or biomass wastes.



Techno Medica Co., Ltd. Portable Electrolyte Analyzer 'STAX-5 inspire'

STAX-5, a point of care electrolyte analyzer is intended for in vitro diagnostic use by health care professionals. Operation is simple enough to get the analysis results in three steps.



ARKRAY Inc. Blood Biochemical Analyzer "The Lab 004"

This is a simplified blood testing device applicable to test kidney and liver functions in patients living with HIV and/or diabetes. It can be used in the areas where electricity is unstable.



O's&Tec Co., Ltd. High Voltage Generator to Maintain Freshness "Wi-Free"

"Wi-Free" can maintain freshness and store products in a wide area without freezing in temperature ranges from 10°C to -10°C, and can greatly increase storage periods.



Sion Corporation Anti-Virus/Microbe Porous Material and Applied Equipment

Antibacterial and antiviral effects can be generated by adding metal ions such as copper and zinc to the inorganic porous material synthesized from incineration ash. The technology can be utilized as antibacterial materials in combination with non-woven fabrics and filters.



Tromso Co., Ltd. "Welvina": High Performance Water Purifier with Rice Husk Activated Charcoal Filter

Welvina water purifier has rapid absorption performance, adsorption of large organic molecules, excellent effects to remove tiny proteins, and most importantly, a capacity to remove germs and viruses.



TSP TAIYO INC. Mobile Inspection System Equipped with Solar Panels for PCR Tests

This facility is effectively utilized for outdoor PCR tests. It is equipped with solar panels as well as battery units, enabling usage even in off-grid areas of developing countries.



Saraya Co., Ltd. Anti-Viral Alcohol-Based Hand Rub and Improvement of Hygiene Environment

Technologies enabling manufacturing of alcohol-based disinfectants, know-how on related disinfection methods, and instruction of hygiene management. The disinfectant has a high bactericidal effect in a short period of time and can contribute to prevention of nosocomial infections.



Delegate Programme

Technology Transfer

Seminars & Events

Capacity Building

Activities Overseas

TECHNOLOGY TRANSFER

STePP / New Technologies Registered in 2020

Fujita Corporation

Container Unit "Quick & Easy Hospital" with Remote Supervision IT System

This "One-package service" medical unit built using 20ft containers available in every corner of the world, can effectively provide isolation wards in a prompt and simple way.



Tsuji plastics Co., Ltd.

Battery-free Innovative Solar Charger

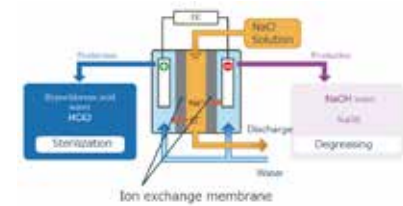
This device stores electric power from solar cells and distributes it to charge mobile phones and other appliances. It can be useful in non-electrified areas. Almost no maintenance cost is required.



KANAZAWA INDUSTRY CO., LTD & AGC Inc.

Electrolyzed Water Generator Incorporated with Ion Exchange Membrane

Electrolysis of aqueous salt (sodium chloride) solution in an electrolytic cell using a special separation membrane, produces acidic electrolyzed water.



NEW STANDARD'S Co., Ltd.

AWG (Atmospheric Water Generator) with Ultra-efficient Condensation System "Sarastear"

The "Sarastear" technology condenses moisture from the air, and filters it into safe drinking water with periodic circulation, which lets you enjoy delicious and clean drinking water at any time.



Terios-Tec Co., Ltd., and Parks Co., Ltd.

Hypochlorous Acid Solution Manufacturing Equipment (Patented Technology: Buffer Method)

"Eva Maker" provides high cost-efficiency to the entire system with minimum initial cost and preparation period. The production engineering is easily learned by anyone irrespective of age and gender.



Nanatsubaki Inc. (Matsuzawa kawatzen Group)

Electrodeless Germicidal Lamp: "SVI (Super Virus Inactivity) Light"

"Super Virus Inactivity Light" can instantly sterilize air, water and surfaces of objects by irradiating various bacteria and viruses with UV-C light derived from the electrodeless discharge.



HORIBA, Ltd.

Accurate and Fast Non-contact Infrared Thermometer: IT Series

The "IT Series" allows accurate, fast and efficient temperature measurement from a distance, making it hygienic. Rotating/moving objects can also be measured.



GIKEN LTD.

Press-in Method (Piling technology) with "Silent Piler"

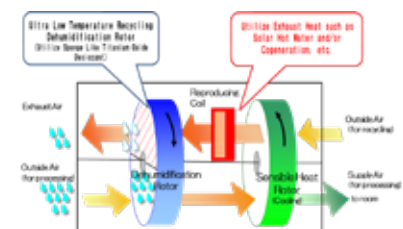
"The Silent Piler" characteristics, include low noise, no vibration, and compactness, which allow work in constrained areas such as overwater, restricted headroom, and construction sites along existing buildings.



Earth Clean Tohoku Co., Ltd

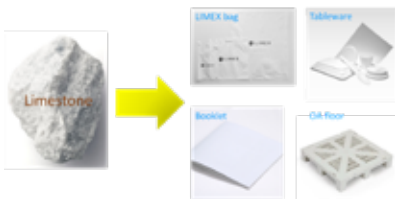
Energy Saving Air Conditioning without Freon "DESICCANT · MEGACOOLO"

A refrigerant-free air conditioner that efficiently combines the cooling effect of water evaporation with a dehumidifying rotor. The technology greatly contributes to energy saving and reduction of CO2 emissions, as it does not use freon gas.



TBM Co., Ltd. (Times Bridge Management)
LIMEX: Alternate Plastic and Paper Material

Utilizing CaCO₃ as the main raw material, the technology can be applied to various uses, instead of paper/plastic. LIMEX consumes less water to produce than paper, and it can also reduce usage of petroleum-derived materials, as compared to plastic.



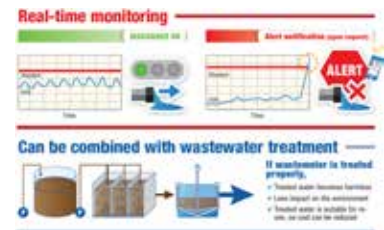
SHINMEI Co., Ltd.
Food Traceability System

To establish and strengthen a safe value chain for food and agricultural products, this technology provides a traceability system using QR code & IC chips with printers. The best system can be provided, according to food and distribution channel requirements.



Mitsubishi Chemical Aqua Solutions Co., Ltd.
Real-time Online Wastewater Monitoring System

This system constantly shares information such as COD, turbidity, and pH of wastewater through a cloud server. By setting an alarm based on a local effluent standards, operators can respond quickly when abnormal conditions occur.



Mitsubishi Chemical Aqua Solutions Co., Ltd.
Oil Adsorbent DiaFellow™ DM

This material consists of inorganic compounds and polymers, and can efficiently adsorb and remove oil in wastewater through a filtering process. It is also effective for emulsion oils, which is generally difficult to treat.



Tokyo Boeki Medisys Inc.
Fully Automated Clinical Analyser "BIOLIS 30i"

This is a compact, high performance blood analyzer, which is ideal for switching from a manual or semi-automatic analysis method to full automation. The air pressure agitates reagents and samples in a contactless manner.



Promotional Video Production

In order to promote the STePP-registered technologies, promotional videos were created for 15 technologies in 2020 and made public on UNIDO ITPO Tokyo's website (www.unido.or.jp/en/publications/videos/).

- AffordSENS Corporation / Mikuniya Corporation / Well Create Co., Ltd. / CHUWA INDUSTRIAL & M.K.D.
- COMOTEC Corporation / Nippon Basic Co., Ltd. / GUUN Co., Ltd. / JTOP Co., Ltd. / Excelsior Inc.
- GAINA Pro Co., Ltd. & NISSHIN SANGYO CO., LTD. / MARS Company Inc. / Takino Filter Inc. / KAWASAKI KIKO CO., LTD.
- Solar Wind Technology Inc. & KANKYO BUNKA KENKYUSHO Co., Ltd. & Aga Material Co., Ltd. / TAIKI SANGYO CO., LTD.



Japanese technologies to tackle impact of pandemic



The COVID-19 pandemic has already disrupted the lives of millions of people worldwide, with a disproportionate impact on the poor; thereby jeopardizing the successful achievement of the 2030 Agenda for Sustainable Development. The Government of Japan's funding for this project is part of the international community's solidarity with developing countries that have fragile health systems.

The funding for this new project enables UNIDO to cooperate with Japanese companies to demonstrate and transfer their technologies related to the provision of equipment and solutions to improve health, sanitation and hygiene. Within the framework of a US\$4m initiative of Japan's Ministry of Foreign Affairs to strengthen the developing countries' capacity to mitigate the impacts of infectious diseases through appropriate technology transfer from Japan, UNIDO ITPO Tokyo is supporting selected Japanese companies that will provide technology and technical training.

The companies have been selected from enterprises registered on our Sustainable Technology Promotion Platform (STePP). Products and technologies from 13 Japanese companies are being demonstrated and transferred, and the project is expected to be completed within 2021.

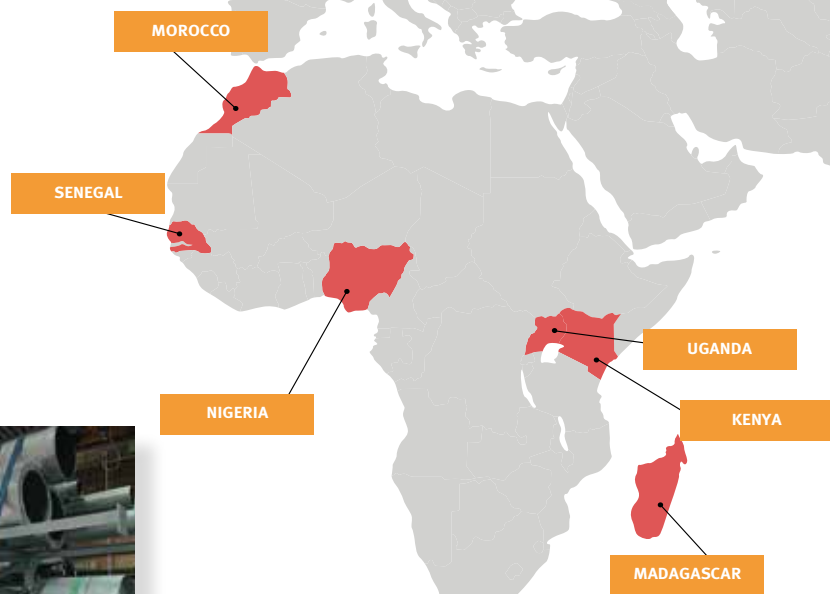
Please see the next page for the list of selected companies and technologies.



Hinode Sangyo and Hinode Microbubbler

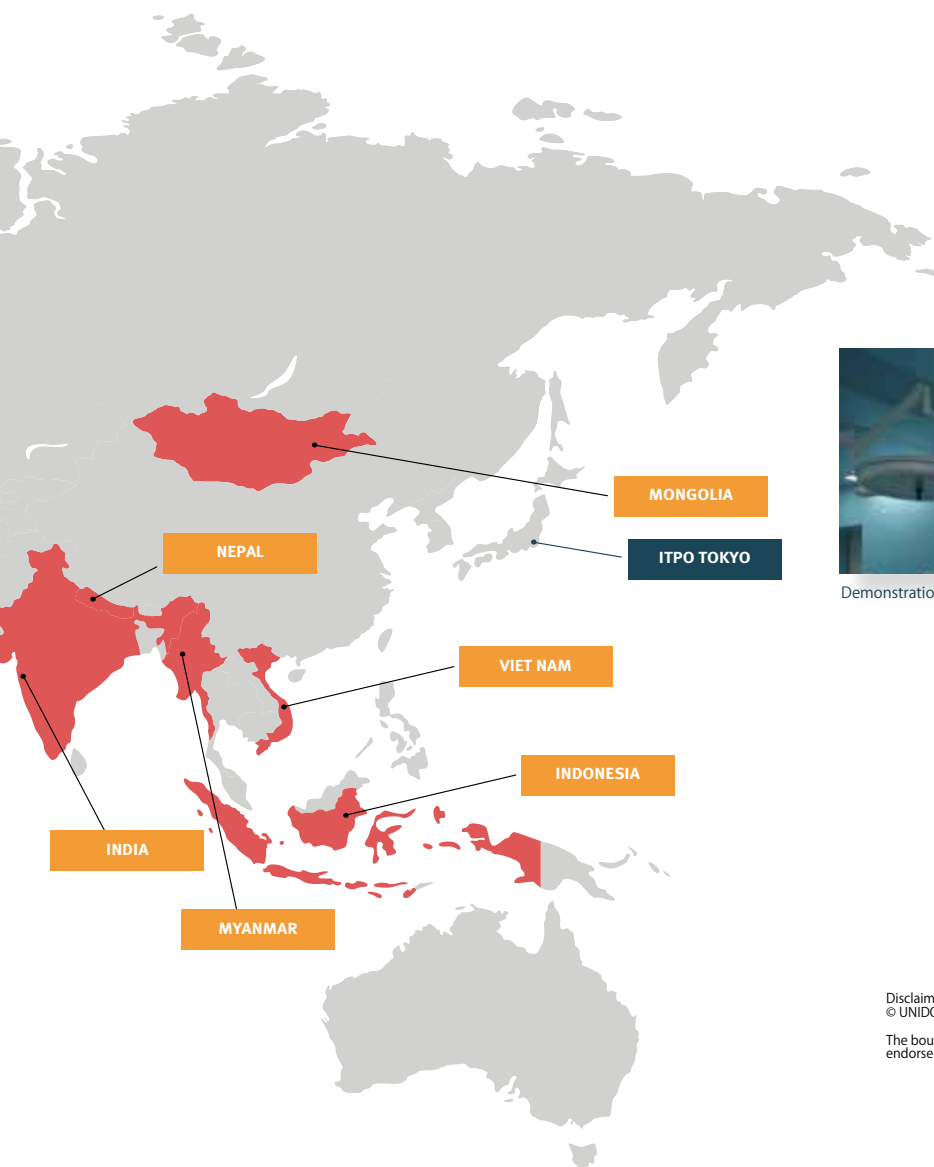


Chuwa Industrial, shipping their incinerator to Senegal



Selected Japanese companies and technologies

Company	Technology	Countries
AGC INC.	Hypochlorous acid water generator	VIET NAM
KINSEI SANGYO CO., LTD.	Gasification incinerator for medical waste	KENYA
SARAYA CO., LTD.	Mass production of alcohol-based hand rub and hygiene education	UGANDA
JTOP CO., LTD.	Water regeneration system	INDIA
CHUWA INDUSTRIAL CO., LTD.	Smokeless incinerator for medical waste	SENEGAL/ MADAGASCAR
TSP TAIYO INC.	Mobile inspection system with solar system	KENYA
TECHNO MEDICA CO., LTD.	Blood test analyzer	NIGERIA
TERIOS-TEC CO., LTD.	Hypochlorous acid water generator	SENEGAL
TROMSO CO., LTD.	Water purifying system	VIET NAM
SOLAR WIND TECHNOLOGY INC.	Hypochlorous acid type disinfectant	INDONESIA
HINODE SANGYO CO., LTD.	Domestic wastewater treatment system	MOROCCO
MARUSYO SANGYO CO., LTD.	Photocatalytic coating with antibacterial effect	KENYA/NEPAL/ MONGOLIA
mitsubishi chemical aqua solutions co., ltd.	Water purification unit for hospitals	MYANMAR



AGC, at an online meeting with Viet Nam counterparts



Demonstration by Marusho Sangyo



Workshop in Kenya organized by Saraya

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The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations.

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

37 Seminars; 5,724 Participants / 2 Exhibitions; 693 Participants

◆ Investment Attractiveness of Pharmaceutical Industry of Uzbekistan and Opportunities for Japanese Companies (Online) 17 June

The seminar was organized jointly with the Embassy of Uzbekistan in Japan. Mr. Temirov Alisher, Deputy Director of the Agency on Development of the Pharmaceutical Industry, expressed his expectations on future investments from Japan, quoting the rapid growth of domestic production and increase in pharmaceutical exports. Seminar participants raised questions on the industry's future potential, possible challenges for Japanese companies in doing business in Uzbekistan, as well as questions related to medicinal herb cultivation and availability of raw materials.



◆ Tunisia Business Seminar (Online) 9 July

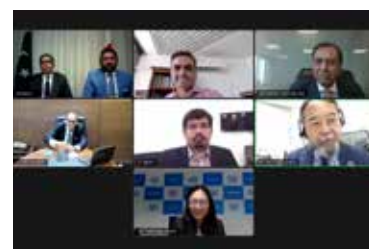
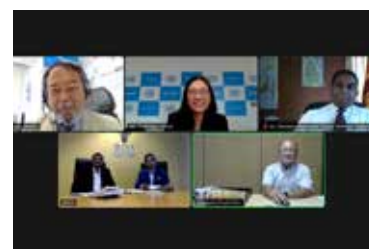
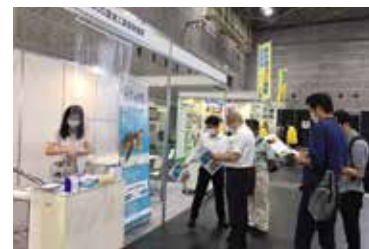
The seminar was organized in collaboration with the Embassy of the Republic of Tunisia in Japan and the Foreign Investment Promotion Agency (FIPA), attracting 183 participants. Mr. Abdelbasset Ghanmi, General Manager of FIPA-Tunisia, presented how FIPA has assisted foreign investors as well as emerging innovative cases under the COVID-19 crisis. He also introduced the latest investment opportunities in the automotive, ICT, agri-business and renewable energy sectors in Tunisia. Mr. Naoki Tamaki, Director General of New Energy and Power Finance department II from JBIC joined a panel discussion, where speakers expressed their views on topics focusing mainly on renewable energy and agri-business sectors.



◆ The Current and Future Issues of PNG Business Situation in the Aftermath of COVID-19 (Online) 17 July

The event was organized in cooperation with the Pacific Islands Centre (PIC), attracting 123 participants. Dr. Takehiro Kurosaki of Tokai University reported that a growing interest among Japanese companies in Papua New Guinea (PNG) has been seen since the bilateral investment agreement took effect in 2014. Mr. Clarence M. Hoot, Managing Director of the Investment Promotion Authority, introduced that Japanese investments in PNG are noticed mainly in sectors such as mining and petroleum, construction, architecture and engineering.





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◆ **Plant Show Osaka 2020** 29 - 31 July

UNIDO ITPO Tokyo participated in the “Plant Show Osaka 2020” technology exhibition held at INTEX Osaka. At the booth, UNIDO activities and services were introduced to visitors, while advisory services were also provided to those interested in developing their businesses overseas. Around 300 businesspeople visited UNIDO’s Booth during the 3-day exhibition.

◆ **Technology Transfer Overseas by a Japanese SME & Business Opportunities in Water/Wastewater Management in Myanmar and Vietnam** 29 July

The seminar was organized at the “Plant Show Osaka 2020” exhibition. Mr. Toshihiro Matsuo, Director of J Top Co., Ltd., registered in STePP, introduced their experiences in transferring wastewater treatment technology overseas. The experts from Myanmar and Vietnam also made presentations on the current issues of water supply and wastewater treatment as well as business opportunities for Japanese companies.

◆ **Rwanda-Japan Business Matching Seminar (Online)** 19 August - 10 September

The series of 4 online events were organized together with the JICA ICT Innovation Ecosystem Strengthening Project and the Rwanda ICT Chamber, attracting 350 participants. These events consisted of the Japan-Rwanda Virtual Pitching Event, an online business matching; and 2 online seminars, where Mr. Tadesse, Regional Advisor in Ethiopia with coverage of Rwanda, made a presentation on the attractiveness of doing business in the country. In the pitching event, 7 startups from Rwanda introduced their businesses to Japanese companies. This was in follow-up of the online business matching, where Japanese and Rwandan companies actively communicated and met on the online platform.

◆ **Sri Lanka Investment Seminar (Online)** 28 August

The seminar was organized jointly with the Board of Investment (BOI) of Sri Lanka and the Embassy of Sri Lanka in Japan, attracting 201 participants. Mr. Prasanjith Wijayatilake, Executive Director of BOI, introduced 3 Export Processing Zones, and provided specific information on BOI’s priority sectors, including pharmaceuticals, electronics/electrical, auto components and logistics. Also, the representatives of two Japanese companies shared their experiences in local production and reported about the current situation of their operations under the pandemic.

◆ **Nigeria Business Seminar (Online)** 16 September

The seminar was organized together with the Nigerian Investment Promotion Commission (NIPC) on the occasion of the online delegate programme. Ms. Yewande Sadiku, Executive Secretary & CEO of NIPC, explained recent business environments and investment potentials, and concluded with an invitation to Japanese companies to establish their presence in Nigeria in order to take advantage of one of the largest markets in Africa. Two panel sessions featured representatives from the private and public sectors of Japan and Nigeria, who interacted actively with each other. The event attracted 155 participants.

◆ **Pakistan Investment Seminar (Online)** 29 September

The seminar was organized in cooperation with the Japan International Cooperation Agency (JICA) and the Board of Investment (BOI) of Pakistan. Mr. Abdul Razak Dawood, Advisor to the Prime Minister and Mr. Atif R. Bokhari, Chairman of the BOI emphasized that Pakistan is an ideal destination for investments from the viewpoint of geopolitical importance, abundant natural and human resources, as well as strong policies and structural reforms. The representatives from the investment and trade offices of Balochistan, Sindh, Khyber Pakhtunkhwa and Punjab introduced the business overview of their areas, potential sectors for investment, and special economic zones available for investors.

SEMINARS AND EVENTS

◆ **Jordan Investment and Business Seminar (Online)** 13 October

The event was organized in collaboration with the Embassy of Jordan and the Japan External Trade Organization (JETRO), and attended by 288 participants. The seminar welcomed several high-level speakers from Jordan and Japan, including the newly appointed Minister of Digital Economy and Entrepreneurship, H.E. Mr. Ahmad Hanandeh; the Chairman of the Jordan Investment Commission (JIC), Dr. Khalid Wazani; the Ambassador of Jordan in Japan, H.E. Ms. Lina Annab; and the Director of the Management Unit for the Youth, Technology and Jobs of the Ministry, Mr. Rashad Bibars. They joined speakers from UNIDO, JETRO, GRA, Inc. and Mitsui & Co., Ltd. to discuss business opportunities in infrastructure, ICT and digitalization, medical and pharmaceutical business, education and agri-food sectors, together with the audience.



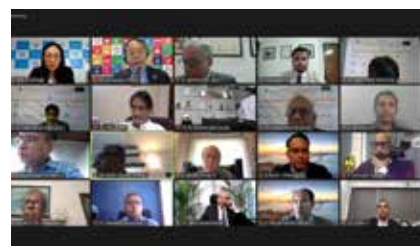
◆ **Pakistan Investment Seminar 2 (Online)** 22 October

The seminar was jointly organized with JICA and the BOI of Pakistan, attracting 234 participants. The representatives of three Japanese companies in the fields of trading, food processing, and information and communications technology presented their experiences of developing business in Pakistan. The Consul-General of Japan in Karachi introduced the city's business environment, while JICA and JETRO representatives in Pakistan introduced the assistance schemes they offer to Japanese companies.



◆ **Bangladesh Business Seminar (Online)** 10 November

The seminar was organized in parallel to the delegate programme for Bangladesh. The CEO of Haison International, JETRO Representative in Dhaka, and the Secretary General of the Japan-Bangladesh Chamber of Commerce and Industry made presentations on the economic outlook, potential sectors for investments and the business operations of Japanese investors under the pandemic. The representatives of 22 Bangladesh companies introduced their businesses and specific areas for possible cooperation with Japanese entrepreneurs. The seminar attracted an audience of 372.



◆ **Bangladesh B2Bs (Online)** 11 November - 4 December

The business matching event accommodated 24 Bangladesh companies from sectors including logistics & transportation, textile & garments, construction, engineering, chemical, food processing, telecommunication, real estate and consulting. Seventy-four (74) Japanese companies joined this event and discussed possible partnerships with the Bangladesh counterparts, resulting in 97 business meetings.



◆ **Mauritius Seminar (Online)** 25 November

The "Mauritius: Africa's Investment Hub" seminar was organized together with the Economic Development Board (EDB) Mauritius. It was attended by 186 participants. Mr. Ken Poonoosamy, CEO of the EDB, presented the investment potential of Mauritius along with its economic and geographic advantages. Other panelists added that Mauritius has EPAs and FTAs with various regions and countries. Safety is another attractiveness for investors. In their presentations, the importance of Mauritius as an investment hub which connects Africa, Asia and Middle East was also highlighted.



- ◆ **Sustainable Technology & SDGs Seminar (Online)** 8 December
The seminar on SDGs and sustainable technologies attracted 212 participants. Mr. Takashi Matsuki of the Nikkan Kogyo Shimbun, Ltd., introduced the examples of several Japanese small & medium-sized enterprises contributing to SDGs in their business activities. The representatives of 23 Japanese companies with technologies registered in STePP made a short presentation individually on their technologies & products, which are expected to be transferred to developing and emerging countries.



- ◆ **Sustainable Technology Exhibition (Online)** 9 - 10 December
A virtual exhibition was organized by inviting 23 Japanese companies who joined the "Sustainable Technology & SDGs Seminar". They exhibited unique and sustainable technologies in four categories, namely energy, environment, agribusiness and human health. Active interactions and business exchanges took place virtually between the exhibitors and visitors coming from 37 countries across Asia, Africa and Latin America. This resulted in a total of 120 meetings and discussions.



Featured Seminar

- ◆ **ITP Network: Industry 4.0 & Society 5.0 (Online)** 18 August
An expert panel was convened virtually to discuss "Exploring the Future of Manufacturing and Industries: Industry 4.0's Potential in Advancing the Attainment of the SDGs and Shaping Society 5.0". The panel discussion, moderated by Mr. Yasunaga, Head of ITPO Tokyo, was part of the GMIS Digital Series of online webinar discussions on the Fourth Industrial Revolution, foreshadowing the GMIS 2020 Virtual Summit.



Mr. Bernardo Calzadilla-Sarmiento from UNIDO's Directorate of Digitalization, Technology and Agri-Business, noted that the COVID-19 pandemic, which exerted significant downward pressure on global development spending, provides big opportunities to accelerate progress towards collaborative solutions to development issues, through advanced manufacturing technologies and digitalization. Prof. Stefano Fantoni of the Euroscience Open Forum 2020 also stressed the importance of integrating science, manufacturing and innovation systems for sustainability for sustainability.

Prof. Yusuke Kajihara of the University of Tokyo identified two common problems with design optimization, namely obtaining micro-scale dynamics and rapid assembly; and introducing new innovations such as atomic layer semi-conductors, artificial organs, micro-needles and implantable devices in the brain.



Prof. Alina Sorgner from John Cabot University observed a defeminization of labour in the manufacturing sector, which could be exacerbated as new modes of production require new skills which are often in developing countries.

Mr. Bill Huang, CEO and Founder, CloudMinds, focused on cloud robotics, noting the potential of 5G and neural networks to build much more complex robots. He stated that these had been deployed to deliver medicines and to act as nursing assistants during the pandemic.



Finally, Mr. Andrey Suvorov of Kaspersky Lab, addressed skills and training issues, citing these as common challenges globally, citing these as common challenges globally. He identified essential skills for workers of the future, such as AI analytics skills; creative problem solving; working safely and effectively with new technologies; having strong cybersecurity skills; and possessing entrepreneurial skills.

Highlight

"Africa Industrialization Day"



In 1989, the United Nations General Assembly declared November the 20th as "Africa Industrialization Day (AID)", within the framework of the second decade of industrial development for Africa, with UNIDO as the lead organization. UNIDO and other UN and Japanese organizations observed AID 2020 in Japan, by organizing an online seminar followed by online business matching between African and Japanese companies.

◆ "Africa's Horizon from COVID-19: Business Opportunities to Build Back Better" (Online Seminar) 20 January

UNIDO, JETRO, JICA and UNDP joined forces and organized this event in order to introduce the business investment opportunities in Africa to Japanese potential investors from macro and micro perspectives. The event attracted 257 participants and consisted of two sessions; the first session showcased opportunities for investment & business across the continent, with participation of African business leaders and a representative from a regional economic community. The second session discussed emerging business models under the new normal and how business can be more resilient and sustainable in Africa, featuring African and Japanese companies tackling such new business opportunities on the ground.



◆ Japan-Africa Business Partner Matching (Online) 20 November – 4 December

The online business matching event was organized in cooperation with our African Advisors and African companies from 11 countries. Sectors represented varied from manufacturing, agriculture, construction, and ICT to logistics, services, trading and utilities. 109 participants from Japanese and African companies engaged on the platform to find potential business partners, resulting in 215 meetings and 584 discussions.



CAPACITY BUILDING

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ABSTRACT

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

Results

1 Embassy Programme and 1 Site Visit; 12 Participants

◆ Study Tour to Minamata 18 - 21 February

The study tour was organized in collaboration with the Ministry of the Environment of Japan and Minamata City in Kumamoto by inviting Indonesian counterparts from the public and private sector. On the first day, participants received a cordial welcome by the Mayor of Minamata City, and visited the National Institute of Minamata Disease and the Minamata Disease Municipal Museum. Next, participants paid a visit to several Minamata-based companies and factories engaged in environmental businesses including recycling and waste management. On the final day, participants assembled for an information exchange session, which provided valuable networking opportunities between Indonesian participants and Minamata businesspeople.



◆ Study Tour to Matsuo 6 November

A site visit to the Matsuo Neutralization Plant was organized in collaboration with the Japan Oil, Gas and Metals National Corporation (JOGMEC) and Hinode Sangyo Co., Ltd. joined by students from the ABE Initiative and Innovative Asia scholarships. These students from Guinea, Ethiopia, and Thailand are participants in an internship programme at Hinode Sangyo Co., Ltd. The tour included a lecture on the Matsuo Mine's history and an outline of the neutralization plant. The students learned the application of bacteria for the treatment of mining water pollution, among many others.



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; 83 Japanese companies/organizations received the services of advisors in 2020.

Africa Advisory Programme

Since 2013, experienced African investment promotion advisors are assigned to support Japanese companies interested in starting their businesses on the continent. Our advisors provide a variety of services required for doing business in Africa, such as consultations to connect with local businesses, arranging meetings with government agencies, matchmaking with local partners, and

facilitating site visits to local companies. As of now, four advisors based in Algeria, Ethiopia, Mozambique and Senegal cover seven countries (Algeria, Burundi, Ethiopia, Mozambique, Rwanda, Senegal and Uganda), with Senegal also covering other French speaking countries in West Africa on demand basis. In 2020, the advisors provided assistance to 83 Japanese companies; some of them have already succeeded in concluding business agreements with local partners and in establishing liaison offices.

Advisor in Algeria Mr. Lies Kerrar



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Advisor in Ethiopia* Mr. Tadesse Dadi Segni



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*with coverage of Burundi, Uganda and Rwanda

Advisor in Senegal* Ms. Aïssatou Ndiaye



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

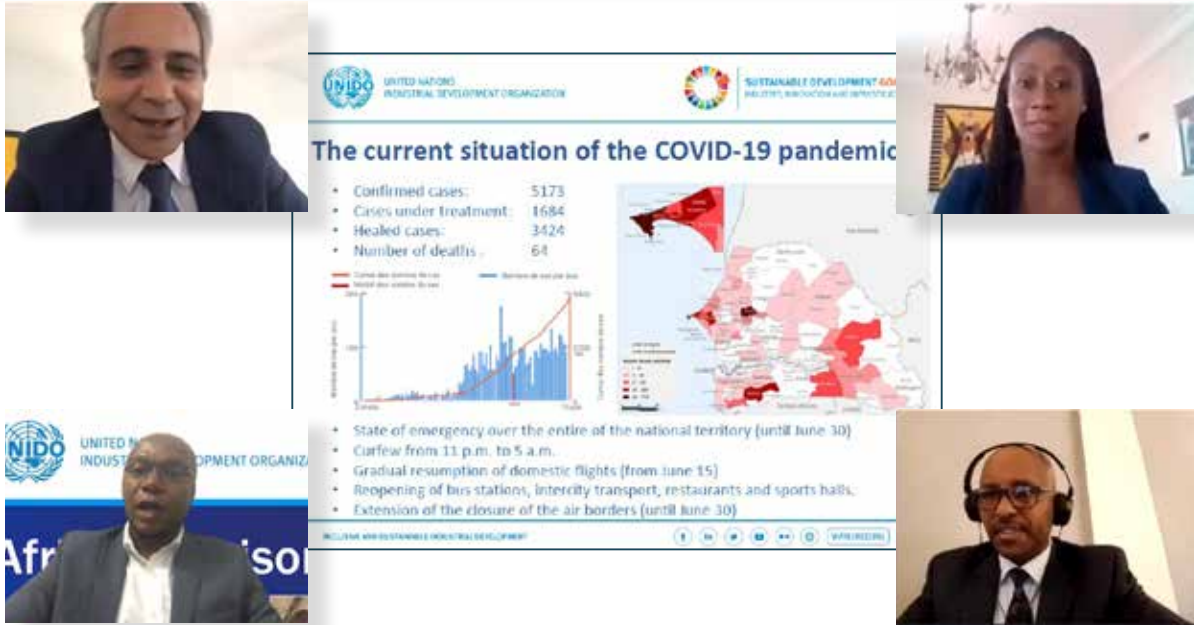
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Highlight

Business Environment Update by UNIDO African Advisors



In March 2020, the COVID-19 pandemic situation forced us to cancel all of our physical seminars and activities. As a result, we started to organize our first online seminars with our African Advisors in June 2020. This was a series of 2 online seminars, titled “Business Environment Update by UNIDO African Advisors”, which focused on updating the latest business environment under COVID-19 in our Advisors’ countries. The seminars attracted 401 participants in total, which illustrated the great interest of Japanese companies towards African countries, despite the challenges posed by COVID-19.

◆ “Business Environment Update by UNIDO African Advisors 1: Ethiopia (Burundi, Rwanda and Uganda) and Mozambique” 11 June

This event featured Mr. Tadesse from Ethiopia (covering Burundi, Rwanda and Uganda) and Mr. Durão, from Mozambique. The advisors made presentations on the latest business environment under the COVID-19 situation with relevant economic measures as well as promising sectors and opportunities in each country. H.E. Mr. RWAMUCYO Ernest, Ambassador-Designate of the Republic of Rwanda to Japan and Mr. Alex Ntale, CEO of the Rwanda ICT Chamber also joined the online seminar and provided comments on the presentation as well as questions from the audience. The event was attended by 223 participants.



◆ “Business Environment Update by UNIDO African Advisors 2: Algeria and Senegal” 16 June

In this event, Mr. Kerr, from Algeria and Ms. Ndiaye, from Senegal provided the latest business environment updates under COVID-19, including relevant economic measures and situations with Japanese and foreign companies. They also introduced promising sectors and opportunities for Japanese companies in each country. H.E. Mr. Gorgui CISS, Ambassador of the Republic of Senegal to Japan also participated in the seminar, providing remarks on the presentation and answering questions from the audience. The event was attended by 178 participants.



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Delegate Programme

	Country	Date	Name	Title	Organization
1	Nigeria	7 - 30 September	1. Mohammed Baba 2. Abayomi Salami"	1. Deputy Director of Investor Relations – JAPAN DESK 2. Deputy Director of Policy Advocacy"	Nigerian Investment Promotion Commission
2	Bangladesh	9 November - 4 December	Jalalul Hai	CEO	HAISON International

Technology Transfer

NEW Registered in 2020

	Company	Technology	Energy Technologies	Environmental Technologies	Agribusiness Technologies	Human Health Technologies
	1 AffordSENS Corporation	Vitalgram®: Wearable Multi-Vital Sensor				X
	2 AGC Inc.	Electrodialysis Using Ion Exchange Membranes		X	X	
		High Durability Film "F-CLEAN™" for Greenhouse	X		X	
NEW	KANAZAWA INDUSTRY CO., LTD & AGC Inc.	Electrolyzed Water Generator Incorporated with Ion Exchange Membrane			X	X
NEW	3 ARKRAY, Inc.	ARKRAY Japan: Blood Biochemical Analyzer "The Lab 004"				X
NEW	4 Bamboo Chemical Laboratory, Ltd.	3 Types of Small Hydropower Generator	X			
	5 BGCT JAPAN K.K., Creative Co., Ltd.	Solid Recovered Fuel "Green Coal" - RPPWF™	X	X		
	6 Biomaterial in Tokyo Co., Ltd.	Ethanol Production through Yeast Fermentation	X			
	7 CHUWA INDUSTRIAL CO., LTD., M.K.D. Corporation	Environment-friendly and Smokeless Incinerator: CHUWASTAR		X		
	8 COMOTEC Corporation	Cassette-type Black Smoke Removal Device		X		
	9 CR-POWER LLC	Biofuel and Waste Management: C-POWER PLANT	X	X		
	10 Donico Inter Co., Ltd.	Micro-Sizer: Glass Cullet Production Equipment		X		
		Efficient Glass Interlayer Separation Equipment		X		
NEW	11 Earth Clean Tohoku Co., Ltd.	Energy Saving Air Conditioning without Freon "DESICCANT-MEGACOOl®"	X		X	
	12 EcoCycle Corporation	EcoClean and GreenClean Series for Bioremediation		X		
	13 Ef-Initials Co., Ltd.	Multilayer Nanotechnology Coatings			X	X
	14 EiShin Co., Ltd.	Energy Efficient & Eco-Friendly Automobile Filter Spray	X	X		
	15 Excelsior, Inc.	Mt. Fuji Toilet: Portable and ECO-friendly Hygiene Facility		X		X
	16 Fermentation Co., Ltd.	Integrated Ethanol Production System Utilizing Biomass		X	X	
NEW	17 Fujita Corporation	Container Unit "Quick & Easy Hospital" with Remote Supervision IT System				X

As of December 2020

	Company	Technology	Energy Technologies	Environmental Technologies	Agribusiness Technologies	Human Health Technologies
	18 FUMIN Co., Ltd.	Coating for Ultraviolet and Infrared Ray Shielding	X			
		"MR-X" Agricultural Materials for Environmental Protection			X	
	19 GAINA Pro Co., Ltd., NISSIN-SANGYO CO., LTD.	GAINA - A Multifunctional Ceramic Coating Material	X			
NEW	20 GIKEN LTD.	Press-in Method (Piling technology) with "Silent Piler"		X	X	
NEW	21 Green Science Alliance Co., Ltd. (Fuji Pigment Co., Ltd. Group)	Biodegradable Resin: Nano Sakura		X		
	22 GUUN Co., Ltd.	Fluff Fuel Technologies Derived from Waste Plastics		X		
	23 HINODE SANGYO Co., Ltd.	Elbic Series Solutions for Wastewater Treatment		X		
		Hinode Microbubble Generator (HMB)		X		
	24 Hitachi Metals, Ltd.	Amorphous Energy Efficiency Distribution Transformer	X			
NEW	25 HORIBA, Ltd.	Accurate and Fast Non-contact Infrared Thermometer: IT Series	X		X	
	26 IHI Corporation	TIGAR®(Twin IHI GASifier)	X			
	27 JAG SEABELL CO., LTD.	Micro Hydropower System (Ultra-low Head)	X			
	28 Japan Conservation Engineers & Co., Ltd.	Fulvic Acid Extract "Fujimin"			X	
	29 Japan Insulation Co., Ltd.	Thermal Insulation Materials Using Biomass	X	X		
	30 JTOP Co., Ltd.	On-site Regeneration System of Activated Carbon Filtration Unit		X		
	31 KAIHO INDUSTRY CO., LTD.	Eco-Friendly ELV Recycling System		X		
	32 KANEKA CORPORATION	KANEKA Biodegradable Polymer PHBH™		X		
	33 KAWASAKI KIKO CO., LTD.	Tea Ingredient Analyzer			X	
	34 KAWATOKU CO., LTD.	Removing Heavy Metals from Water		X		
	35 KIHARA WORKS Co., Ltd.	Food Dehydrator with DDS (Dual Drying System)			X	
	36 KINSEI SANGYO CO., LTD.	Waste Incinerator of Gasification System		X		
	37 KITA MACHINERY Co., Ltd	Design and Construction of Wastewater Treatment Facility		X		
		Design and Construction of Small Hydropower Generation	X			
	38 Kokusaikan Corporation Japan, Japan Nano Coat Co., Ltd., Miyako Roller Industrial Co., Ltd., ef-initials Co., Ltd., Nano-Science Laboratory Corporation	Nanotechnology & Industrial Coatings	X			X
	39 KOMAIHALTEC Inc.	Mid-Size Wind Turbine "KWT300" (300kW)	X			
	40 KYOCERA Corporation	Photovoltaic Module / Solar Hybrid System	X			
	41 Lequio Power Technology Corp., Okinawa Medical Device Co., Ltd.	Ultrasound Imaging Diagnostic Device				X
	42 MARS Company	High-Quality Food Preservation: Kuraban			X	
		Special Ice Maker from Salty Water: sea snow			X	
	43 MARUSYO SANGYO CO., LTD.	Antimicrobial Coating: Inviroshield M5		X		X

As of December 2020

APPENDIX

Technology Transfer

NEW

Registered in 2020

	Company	Technology	Energy Technologies	Environmental Technologies	Agribusiness Technologies	Human Health Technologies
NEW	44	Nanatsubaki Inc. (Matsuzawa kawaraten Group)				X
	45	Mebiol, Inc.			X	
	46	Meiwa Co., Ltd.			X	
		Converting Organic Waste into Charcoal		X	X	
	47	Microtech Inc.				X
	48	Mikuniya Corporation		X		
	49	Mitsubishi Chemical Aqua Solutions Co., Ltd.		X		X
NEW		Real-time Online Wastewater Monitoring System		X		
NEW		Oil Adsorbent DiaFellow™ DM		X		
	50	Nabell Corporation	X			
	51	Nakayama Iron Works, Ltd.	X			
	52	NascNano Technology Co., Ltd.		X		X
NEW	53	NEW STANDARD'S Co., Ltd.			X	X
	54	NGK INSULATORS, LTD.	X			
	55	Nihon Genryo Co., Ltd.		X		
		Eco-friendly Non-Electric Sand Filtration Device		X		
		Eco-friendly Sand Filtration Device		X		
	56	NIHONHAKKO Co., Ltd.		X		
	57	Nippon Basic Co., Ltd.		X		X
		Desalination of Seawater for Drinking			X	
	58	Nippon Biodiesel Fuel Co., Ltd. (NBF)	X		X	
	59	Nomura Kohsan Co., Ltd.		X		
	60	Old Faithful Japan Co., Ltd.		X		X
	61	OOHASHI CO., LTD.		X	X	
NEW	62	O's&Tec Co., Ltd.			X	
	63	OSMO Co., Ltd.		X		X
	64	Panasonic Corporation	X			
	65	3MS Inc.	X			
	66	RBC Consultant Co., Ltd.		X	X	
	67	Sanso Electric Co., Ltd.			X	X
NEW	68	Saraya Co., Ltd.				X
	69	Shinko Tecnos Co., Ltd.	X	X		
		Hydrothermal Treatment Technology		X		
NEW	70	SHINMEI Co., Ltd.			X	

As of December 2020

	Company	Technology	Energy Technologies	Environmental Technologies	Agribusiness Technologies	Human Health Technologies
NEW	71	Sion Corporation	Functional Material: CircuLite	X	X	
			Anti-Virus/Microbe Porous Material and Applied Equipment		X	
	72	SO-EN CO., LTD.	Water Treatment with Carbon Fiber		X	
	73	Solar Wind Technology inc., KANKYO BUNKA KENKYUSHO Co., Ltd., Aga Material Co., Ltd.	Hypochlorous Acid Type Disinfectant: JIAT X KIREIKUKAN			X
	74	STELLA ENVIRONMENT CORPORATION	Small-Type Medical Waste Incinerator		X	
	75	Sugawara Industry Co., Ltd.	Asphalt Waste Recycling Technology		X	
	76	Sumino Co., LTD.	Micro Hydraulic Power Unit (Spiral Type Pico-Hydro Unit)	X		
	77	Sumitomo Electric Industries, Ltd.	Concentrator Photovoltaic (CPV) Power Generation System	X		
			Vanadium Flow Battery System for Energy Efficiency	X		
	78	TAIKI SANGYO CO., LTD.	Electric Food Dryer			X
	79	Takino Filter inc.	Takino Filter Growing Mats			X
	80	TAMADA CORPORATION	SF Double-wall Tank		X	
	81	TBM Co., Ltd.	FOG-green Power Generation System	X	X	
NEW	82	TBM Co., Ltd. (Times Bridge Management)	LIMEX: Alternate Plastic and Paper Material		X	
NEW	83	Techno Medica Co., Ltd.	Portable Electrolyte Analyser: STAX-5 inspire			X
	84	TECHNO TAKATSUKI, CO., LTD.	Linear Diaphragm Air Pump	X	X	
	85	TERAL INC.	DC Solar Pump System			X
NEW	86	Terios-Tec Co., Ltd., and Parks Co., Ltd.	Hypochlorous Acid Solution Manufacturing Equipment (Patented Technology: Buffer Method)			X
	87	TESNA Energy Co., Ltd.	Compact Waste Incinerator		X	
	88	TOHATSU CORPORATION	Electronically Controlled 4 Stroke Fuel Injection Systems (Model: VF53AS)			X
NEW	89	Tokyo Boeki Medisys Inc.	Fully Automated Clinical Analyser "BIOLIS 30i"			X
	90	TOTETSU MFG. CO., LTD.	Rainwater Harvesting and Underground Storage			X
	91	Tottori Resource Recycling Inc.	Porous System		X	X
	93	Tromso Co., Ltd.	Photocatalytic Deodorization System: PCF® Hybrid		X	
NEW			Rice Husk Briquette Machine		X	X
NEW	94	TSP TAIYO INC.	Water Purifier "Welvina" Series		X	X
NEW	95	Tsuji plastics Co., Ltd.	Mobile Inspection System with Solar Modules			X
	96	Tsukishima Kankyo Engineering Ltd.	Battery-free Innovative Solar Charger	X	X	
	97	VPEC Inc.	Waste Liquid Incineration System		X	
	98	Well Create Co., Ltd.	Power Router for ECONETWORK	X		
	99	Yamaha Motor Co., Ltd.	Merry's System: Food Waste Composting and Creating Recycling Loop		X	X
	100	YIELD Co., Ltd.	Clean Water Supply System for Rural Areas		X	X
	101	Y's Global Vision, Inc.	Photocatalyst Titanystar		X	X
			Compact-Sized Desalination Device			X

As of December 2020

APPENDIX

Seminars & Events

Seminars/B2Bs *gray highlights = events supported

	Name of Seminar/Workshop	Date	City	Participants
1	New Year Symposium - Opportunities and Challenges of the Economy in Africa	5 February	Tokyo	57
2	Kyrgyz Company Presentation and B2Bs	14 February	Tokyo	80
3	Moldova Investment Seminar & B2Bs (Online)	21 - 22 May	Online	84
4	India: Investment Opportunities due to Global Business Realignment (Online)	5 June	Online	488
5	Business Environment Update by UNIDO African Advisors 1: Ethiopia (Burundi, Rwanda and Uganda) and Mozambique (Online)	11 June	Online	223
6	Business Environment Update by UNIDO African Advisors 2: Algeria and Senegal (Online)	16 June	Online	178
7	Investment Attractiveness of Pharmaceutical Industry of Uzbekistan and Opportunities for Japanese Companies (Online)	17 June	Online	104
8	Tunisa Business Seminar (Online)	9 July	Online	183
9	The Current and Future Issues of PNG Business Situation in the Aftermath of COVID-19 (Online)	17 July	Online	123
10	Partnering with DFIs for Africa's Development 1: DFIs (Online)	28 July	Online	91
11	Plant Show Osaka 2020 "Technology Transfer Overseas by a Japanese SME & Business Opportunities in Water/Wastewater Management in Myanmar and Vietnam"	29 July	Osaka	40
12	Rwanda – Japan Online Business Matching Seminar (Day 1)	19 August	Online	118
13	Rwanda – Japan Online Business Matching Seminar (Day 2)	26 August	Online	101
14	Bangladesh ICT Seminar (Online)	27 August	Online	142
15	Investment Opportunities in EPZs n Sri Lanka (Online)	28 August	Online	201
16	Rwanda – Japan Online Business Matching Seminar (Day 3)	9 September	Online	106
17	Rwanda – Japan Online Business Matching Seminar (Day 4)	10 September	Online	25
18	Nigeria Business Seminar (Online)	17 September	Online	155
19	SCEJ 51st Autumn Meeting (2020) [Special Symposium] Making the Sapporo Declaration in Action toward the Achievement of SDGs (Online)	25 September	Online	116
20	Pakistan Investment Seminar (Online)	29 September	Online	223
21	Jordan Investment and Business Seminar (Online)	13 October	Online	311
22	Pakistan Investment Seminar 2 (Online)	22 October	Online	234
23	Partnering with DFIs for Africa's Development 2 - Industrial Development Corporation of South Africa (IDC) (Online)	29 October	Online	58
24	Bangladesh Business Seminar (Online)	10 November	Online	372
25	Colombia Investment Webinar	11 November	Online	347
26	Forum on Economic Recovery & Investment Opportunities in Burkina Faso during COVID-19 (Online)	11 November	Online	65
27	Business Matching with Bangladesh Companies (Online)	11 November - 4 December	Online	74
28	Celebration of the 60 years of the Establishment of Diplomatic Relations Between Japan and the Republic of Senegal	18 November	Tokyo & Online	81
29	Africa's Horizon from COVID-19: Business Opportunities to Build Back Better (Online)	20 November	Online	257
30	Japan-Africa Business Partner Matching (Online)	20 November - 4 December	Online	109
31	Mauritius: Africa's Investment Hub (Online)	25 November	Online	186
32	Moldova Seminar & B2B (IT & BPO) (Online)	25 - 27 November	Online	79
33	Partnering with DFIs for Africa's Development 3 - Development Bank of Namibia (DBN) (Online)	26 November	Online	48
34	Sustainable Technology & SDGs Seminar (Online)	8 December	Online	212

Seminars/B2Bs *gray highlights = events supported

	Name of Seminar/Workshop	Date	City	Participants
35	18th Japan Bangladesh Association Meeting	9 December	Tokyo & Online	321
36	Pitch Event by Start-up Companies in Colombia (Online)	15 December	Online	50
37	Bangladesh Seminar on Trade, Investment and Skilled Human Resource Development (Online)	22 December	Online	82
合計				5,724

Exhibitions

	Name of Exhibition	Date	City	Booth Visitors
1	Plant Show Osaka 2020 / Exhibitor	29 - 31 July	Osaka	300
2	Sustainable Technology Exhibition (Online) / Organizer	9 - 10 December	Online	393
合計				693

Capacity Building

	Name of Event	Date	City	Participants	Countries
1	Study Tour to Minamata	18-21 February	Minamata	9	1
2	Study Tour to Matsuo	6 November	Iwate	3	3
合計				12	

Publications by UNIDO ITPO Tokyo

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Annual Reports (Japanese/English)

Covers a range of programmes and activities undertaken every year.



Outline of Activities (Japanese/English/French)

A brief outline of our activities. Issued once a year.



Japanese Bulletin "Uni-World" (Japanese)

"UNI-World" is a printed magazine introducing our activities once every 4 months.



STePP (Sustainable Technology Promotion Platform) Brochure "Technologies from Japan" (English)

Introduces sustainable technologies of Japanese companies registered in the STePP. Updated twice a year.



Partnership Brochure (Japanese/English)

Success stories with Japanese companies are featured in this brochure. Updated once a year.



UNIDO's AFRICA-JAPAN Partnership Promotion (Japanese/English/French)

Leaflet on our activities promoting AFRICA-JAPAN partnerships.



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INDUSTRIAL DEVELOPMENT ORGANIZATION

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