



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



SUSTAINABLE DEVELOPMENT GOAL 9
INDUSTRY, INNOVATION AND INFRASTRUCTURE

JAPAN - UNIDO multi-stakeholder cooperation dialogue

UNIDO Programmes and Projects in Africa

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Outline

1. INTRODUCTION & CONTEXT OF UNIDO TECHNICAL COOPERATION IN AFRICA
2. UNIDO'S INNOVATIVE APPROACH FOR TECHNICAL ASSISTANCE DELIVERY
3. TICAD AND UNIDO
4. EXAMPLES OF UNIDO PROGRAMMES AND PROJECTS BY THEMATIC AREA
5. UNIDO AND THE PRIVATE SECTOR
6. OUTLOOK



1. INTRODUCTION & CONTEXT OF UNIDO TECHNICAL COOPERATION IN AFRICA:



The 2030 Agenda for Sustainable Development:

UNIDO contributes to several of the SDGs with a special focus on SDG 9 focused on Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation”.

The African Union 2063 Agenda:

Recognizes the importance of Industrialization under its Goal 5 “Transformed Economies and Jobs”. The priority areas and indicative strategies include accelerated manufacturing as the generator of decent jobs.



Towards One African Market

African Continental Free Trade Area:

Signed in March 2018 in Rwanda. Fully ratified in April 2019

Launch of its operational phase in July 2019.

Largest Free Trade Area: Market of 1.2 billion people and GDP of \$2.5 trillion.

Inclusive and Sustainable Industrial Development:

UNIDO’s mandate, as described in the Lima Declaration, is to promote and accelerate ISID in Member States.



ISID INCLUSIVE AND SUSTAINABLE INDUSTRIAL DEVELOPMENT



THE THIRD INDUSTRIAL DEVELOPMENT DECADE FOR AFRICA: 2016-2025



IDDA III

- Proclaimed by the United Nations General Assembly Resolution A/70/293 in July 2016.
- UNIDO designated to lead IDDA III implementation

IDDA III implementation gaining momentum

- **IDDA III High Level Event** in the margins of the **72nd and 73rd UNGA**
- Launch of the **IDDA III Champions initiative** → 7 African IDDA III Champions: Presidents of Côte d'Ivoire, Egypt, Kenya, Niger, Rwanda, Senegal and Zambia
- Development of a **UNIDO Roadmap** for IDDA III implementation
- Various multilateral and bilateral partners are enhancing their support towards IDDA III implementation
- Japanese Government is currently providing support through a dedicated projects that is expected to enhance synergies between IDDA and TICAD
- **IDDA III Focal Points Workshop** (held in March 2019)

Outlook

- Development and implementation of a **Joint Roadmap and Joint Programmes and Projects**
- **IDDA III High Level Event** to be held in Sept 2019 in the margins of the **74th UNGA**
- **IDDA III Side event to be held in the margins of TICAD 7**





1. UNIDO IN AFRICA: KEY FACTS

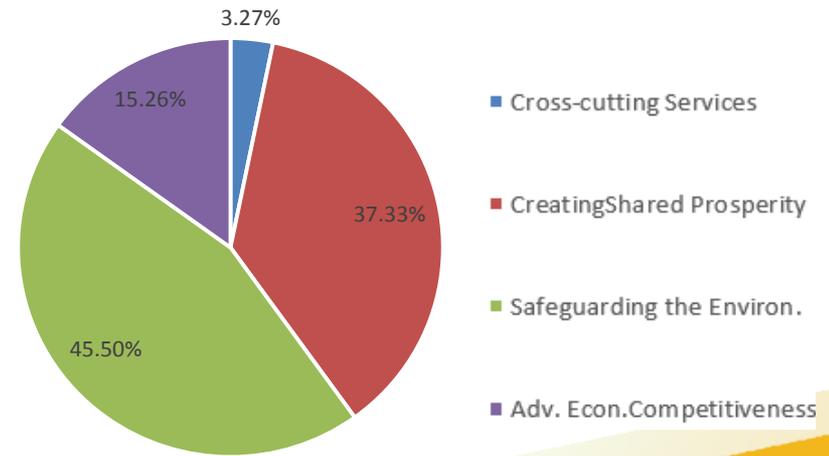
Levels of intervention:

- Continental level (e.g. AU)
- Regional level (e.g. RECs)
- Country level (e.g. 6 on-going PCPs, 13 CPs and 367 on-going projects in Africa)

Africa is **UNIDO's largest technical assistance** recipient.
In 2018, UNIDO's technical assistance to Africa amounted to **\$65,582,135**.

45 countries covered (Physical presence in 22 countries)
2 Regional Hubs: Ethiopia and Nigeria
1 Regional Office: South Africa
16 Country Offices: Burkina Faso, Cameroon, Côte d'Ivoire, DRC, Ghana, Guinea, Kenya, Madagascar, Mali, Mozambique, Rwanda, Senegal, Sierra Leone, Uganda, United Rep. of Tanzania, Zimbabwe
11 National Cleaner Production Centre (NCPC)
 Cape Verde, Ethiopia, Kenya, Mauritius, Mozambique, Senegal, South Africa, Rwanda, Uganda, United Rep. of Tanzania, Zimbabwe
Regional Energy Centers
 Nigeria and Cape Verde

Technical Assistance delivery in Africa by thematic area.





2. UNIDO'S INNOVATIVE APPROACH - PROGRAMME FOR COUNTRY PARTNERSHIP (PCP) APPROACH



GOVERNMENT OWNERSHIP



PRIORITY SECTORS/AREAS



MULTISTAKEHOLDER
PARTNERSHIP



FACILITATION OF PUBLIC
AND PRIVATE FINANCE

- 4 Key Features of the PCP
- In 2019, UNIDO plans to initiate the formulation of new PCPs for **Côte d'Ivoire**, **Egypt**, **Rwanda** and **Zambia**.

Ongoing PCPs



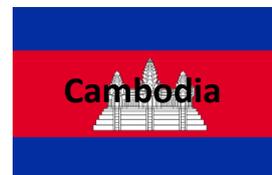
Ethiopia



Senegal



Morocco



Cambodia



Peru



Kyrgyzstan



PCP ETHIOPIA



■ **UNIDO's support:**

- Development and completion of master plans, feasibility studies, engineering designs, and environmental and social impact assessment studies for the establishment of four pilot **Integrated Agro-Industrial Parks (IAIPs)** and the **Modjo Leather City**.

• **Results to date**

IAIPs

- Construction of the 4 IAIPs is expected to be completed mid-2019.
- Public investment: USD 300 million from the GoE for infrastructure.
- Business sector engagement: >300 applications for occupancy; 7 approved, 5 international enterprises.

Modjo Leather City (MLC)

- Investment of around USD 100 million through blended financing - EU grant of EUR 15 million (LISEC project)
- EUR 100 million under advanced discussions (EIB, Italy and others).

PCP Ethiopia



- Supports the **Growth and Transformation Plan II**
- **3 Priority areas:** Agro-Food Processing, Textile and Apparel Leather and Leather products
- **Key Partners:** AfDB, EIB, EU, FAO, IFAD, World Bank, UNDP, China, Italy



PCP SENEGAL



Programme for
Country Partnership



UNIDO's support

- Development of a business model and incentive package;
- Development of legal, regulatory and institutional aspects related to management and administration of IP and SEZ;
- Feasibility studies for the establishment of 3 Agro Poles in various regions

Results to date

- Establishment of Diamniadio Industrial Park which also has SEZ status.
- Public investment: The Government of Senegal has invested USD 44 million in building the Diamniadio park (inaugurated in November 2018)
- Private investment: Seven companies are operating in the park, producing garments, PVC-pipes, packaging, magnetic e-cards and electric bikes. Total investment so far is around USD 60 million.

PCP SENEGAL



- Supports the “**Plan Sénégal Emergent**”
- **5 Priority areas:** Industrial Policy, Agro-Poles, Industrial Parks, Renewable energy and energy efficiency Regional Mining Hub, Special Economic Zones and Incentive Package Reform
- **Key Partners:** AfDB, AFD, EU, FAO, GEF, IDB, IFAD, WB, Japan, China, Italy, Belgium



PCP MOROCCO



Programme for
Country Partnership



- PCP Morocco was **signed on 26 March 2019**.
- The PCP focuses on sectors with high growth potential, to pool additional resources and expertise from various public and private actors, as well as international partners and finally, to generate the greatest impact regarding the SDGs in Morocco.
- UNIDO, through PCP technical assistance, will be contributing to achievement of SDGs in four themes of **UNDAF Morocco (2017-2021)**: Inclusive and sustainable development; Education; Economic inclusion, reducing inequalities and vulnerabilities; Inclusive, integrated and sustainable rural development.

PCP MOROCCO



- Supports the **Industrial Acceleration Plan 2014-2021**
- **6 Priority areas**: industrial zones; agro-industry; energy efficiency; the circular economy; Industry 4.0 ; and e-commerce.
- **4 cross-cutting components**: South-South and triangular industrial cooperation; multi-stakeholder partnerships; gender mainstreaming; and industrial statistics



3. UNIDO AND TICAD



- ❑ UNIDO has been an **active partner and supporter of the TICAD process** since its beginning. Areas of cooperation are **wide-ranging**.
 - Implementation of technical cooperation projects in support of TICAD related priorities. These include entrepreneurship and skills development; renewable energy infrastructure; climate change adaptation for industry; Investment promotion and partnership development through its ITPO in Tokyo etc
 - Organization of side events in the margins of TICAD main Conference.





ITPO TOKYO: Promoting business between Africa and Japan



KOMATSU

Liberia: Training Operators to Rebuild the Country

UNIDO has been implementing technical and vocational training projects to support and promote youth employment in Liberia. In cooperation with UNIDO, Komatsu Ltd. provided practical equipment and a training curriculum. It is now expected that young people trained through this project will contribute to the rebuilding of the country's infrastructure.



MAYEKAWA

South Africa: Providing Low-Carbon Cooling System

Mayekawa Manufacturing Co., Ltd. participated in UNIDO's project for low carbon and climate-resilient industrial development in Africa. The company has been selected as a partner by SirFruit Co., Ltd., a South African company, to procure an 'energy efficient cooling system'.

Ms. Katinka Condes, Head of Quality, SirFruit Co., Ltd.

"Mayekawa's technology will help cool our products with less energy consumption and a reduced use of gases, which is more efficient and harmless to the environment. The technology also incorporates a heat-recovery system that will provide hot water for our factory and allow us to get rid of our existing energy-consuming boilers."



FUJI FILM

Ethiopia: Acquiring the Trust of Medical Institutions

Fuji Film Corporation established its office in Ethiopia for high-tech medical equipment, accessories, and consumables. UNIDO ITPO Tokyo's advisor in Ethiopia, provided the necessary support to Fuji Film such as identifying local partners, including hospitals; establishing a country office; hiring local staff to cover Africa; and handling trade logistics.



YAZAKI

Morocco: Major Wire Harness Supplier's Investment

Yazaki invested in Morocco with three plants and created new jobs for 10,000 employees. UNIDO ITPO Tokyo's delegate in Morocco has guided and supported Yazaki Corporation. Assistance provided to the company included facilitating bilateral discussions with government counterparts, finding suitable locations, obtaining licenses, hiring staff, and handling logistics.



UNIDO's AFRICA-JAPAN Partnership Promotions



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4. EXAMPLES OF UNIDO PROGRAMMES AND PROJECTS

A. ADVANCING ECONOMIC COMPETITIVENESS

B. SAFEGUARDING THE ENVIRONMENT

C. CREATING SHARED PROSPERITY



A. ADVANCING ECONOMIC COMPETITIVENESS

Upgrading businesses and industrial infrastructure

- ✓ Industrial Restructuring and Upgrading Programme in Central Africa
- ✓ Programme for inclusive and sustainable industrial development in the United Republic of Tanzania
- ✓ Integrated Industrial Upgrading and Enterprise Development Approach

- ✓ Promoting Japanese direct investments in African countries through public-private partnerships as a follow-up to TICAD VI
- ✓ Enterprise Development and Investment Promotion (EDIP) Unit in the Bank of Khartoum, Republic of Sudan
- ✓ Cabo Verde National System of Innovation Survey

Investing in technology and innovation

Supporting small and medium industry clusters

- ✓ Inclusive and sustainable cluster development in Upper Egypt
- ✓ Enhancing climate change adaptation capacity of small scale enterprises and communities in Gambia's artisanal fisheries value chains to sustain economic livelihoods and food security
- ✓ Development of Cabo Verde's marine fisheries and sea cluster industry

- ✓ Improving sustainable value chains for exports from Ghana
- ✓ Capacity-building for industrial research and development in Rwanda
- ✓ Reinforcement of the Productive and Commercial Capacities in Benin

Setting up and supporting export consortia

Meeting the standards

- ✓ Global Quality and Standards Programme: Strengthening the quality of essential and vegetable oils exports from South Africa
- ✓ Technical assistance on SPS standards and value chains to facilitate access to international markets for West African artisanal fishermen

- ✓ The National Quality Infrastructure Project (NQIP) for Nigeria: Building Trust for Trade
- ✓ West Africa Competitiveness and Quality Infrastructure Project
- ✓ SADC Sustainable Quality Infrastructure Project

Quality and compliance infrastructure

Competitive trade capacities and corporate responsibility

- ✓ Increasing Sierra Leone's competitiveness through enhanced productivity and trade compliance in selected value chains
- ✓ Improving the Competitiveness of the coffee sector in Burundi
- ✓ Improving competitiveness and trade for selected value chains in Kenya

- ✓ Promoting social stabilization through entrepreneurship development for youth in north eastern Nigeria
- ✓ Promoting youth employment by supporting technical and vocational education in Liberia
- ✓ Facilitating job creation through the Entrepreneurship Training Programme "Learning Initiative for Entrepreneurs (HP LIFE)" and Enterprise Creation in Nigeria

Entrepreneurship development



West Africa Competitiveness and Quality Infrastructure Project



Competing with quality in regional value chains

At a Glance

Location: 16 West African countries

Focus Area: Improving competitiveness and quality infrastructure

Donors: European Union

Implementing agency: UNIDO

Other stakeholders: ECOWAS and UEMOA

Commissions; UEMOA Member State governments and national agencies; ITC; the private sector in the region (FEWACCI, FEWAMA, FEBWE)

Duration: New Phase started - October 2018

Key Results to date

- Regional (ECOWAS) Quality Policy developed and adopted.
- Establishment of the ECOWAS Agency for Quality
- 3 accreditation bodies established (2 with the support of UNIDO)
- 16 national quality policies aligned with regional policy developed/and under adoption
- 42 regional standards adopted
- 12 countries are ISO members
- 173 Conformity Assessment Bodies strengthened (mainly laboratories)
- 350 technicians trained in metrology
- 16 National Quality Awards and 2 Regional Quality Awards
- 4,105 technicians trained in various quality fields
- 26 companies certified with the support of Quality Programmes
- 490 consultants trained

A. Youth employment for socio-economic stability



Contributing to diversifying the local economy, promoting inclusive and sustainable investment and enhancing the employability of young women and men

At a Glance

Geographic scope: Egypt

Focus area: Human Security and post conflict rehabilitation

Funding partners: Japan

Duration: 2016-2017

Key Results

- 1778 technical secondary school students trained on entrepreneurship
- 316 youth equipped with upgraded skills and career prospects in agribusiness
- 67 million EGP mobilized for upgrading Luxor industrial zone
- 57 business opportunities in agribusiness, waste management, sustainable energy, creative industries promoted
- 22 enterprises kick-started and grew their businesses in agribusiness, waste management, sustainable energy
- 96 technical secondary school teachers improved pedagogical and entrepreneurial skills





B. SAFEGUARDING THE ENVIRONMENT

RESOURCE-EFFICIENT AND LOW-CARBON INDUSTRIAL PRODUCTION

- Supporting the development of resource efficient and cleaner production
- Eco-industrial parks and sustainable cities
- Climate-sensitive business development in Africa

Examples

- ❑ Resource Efficient and Cleaner Production Programme in Nigeria
- ❑ Abidjan Integrated Sustainable Urban Planning and Management in Côte d'Ivoire
- ❑ Low Carbon and Climate Resilient Industrial Development (LCCR) (Egypt, Kenya, Senegal, South Africa)

ACCESS TO CLEAN ENERGY FOR PRODUCTIVE USE

- Renewable energy, small hydropower for sustainable industrial development
- Global Cleantech Innovation Programme

Examples

- ❑ Establishment and first Operational Phase of the Secretariat of the SADC Centre for Renewable Energy and Energy Efficiency (SACREEE)
- ❑ ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE)
- ❑ Mini-grids based on Small Hydropower Sources to Augment Rural Electrification in Tanzania
- ❑ GEF-UNIDO Cleantech Programme for SMEs in South Africa

IMPLEMENTATION OF MULTILATERAL ENVIRONMENTAL AGREEMENTS

- Stockholm Convention on Persistent Organic Pollutants
- Minamata Convention on Mercury
- Montreal Protocol on Substances that Deplete the Ozone Layer
- Circular Economy

Examples

- ❑ Capacity Strengthening and Technical Assistance for the Implementation of Stockholm Convention NIP's in African LDC's of ECOWAS sub-region
- ❑ Minamata Initial Assessment in various countries
- ❑ The Low Carbon Low Emission Clean Energy Technology (LCET) Programme (Morocco, Kenya, Ethiopia)
- ❑ Enabling activities for HFC phase-down in Somalia
- ❑ SDG Accelerator Fund to be piloted on Circular Economy



B. Mini-grids based on Small Hydropower Sources to Augment Rural Electrification



At a Glance

Geographic scope: Tanzania

Focus Area: Renewable Energy

Partners: Global Environmental Facility

Duration: 2011 - 2019

Key Results

- 8 micro / mini hydropower based mini grids with a cumulative installed capacity of 4,881 kW were established
- A technical hub was established at Dar es Salaam's College of Engineering and Technology, which offers consultancy and training and manufactures its own micro/mini hydropower turbines



B. Low Carbon and Climate Resilient Industrial Development



At a Glance

Location: Egypt, Kenya, Senegal and South Africa

Focus Area: Climate adaptation for industry

Funding Partners: Japan

Partners: Taiyo Electric (Kenya), Mayekawa (South Africa), Mitsubishi (Egypt), local suppliers (Senegal)

Duration: May 2013 – June 2019



Key Results

- Energy efficient measures were taken at 5 food processing factories in Egypt, Kenya, Senegal and South Africa.
- Interventions led to more than 40% of energy consumption in these factories.
- In Kenya assessments were carried out in 3 sectors – Tea, Sugar and Milk
- Taiyo Electric, improving control of the drying and withering process of tea leaves and saving energy usage by 60%.
- Innovative drying method were applied in 3 millet processing factories in Senegal
- Solar power is tapped at 1 company in Egypt



B. Minamata Initial Assessment in Francophone Africa



At a Glance

Location: Mali, Senegal and Guinea

Focus Area: Minamata Convention

Partners: UNITAR, WHO

Duration: 2015-2018

Key Results

- With an overall budget of \$600,000, the project identified institutional gaps and established national and regional coordination on mercury.
- Existing mercury related regulations were reviewed and needed policy reforms identified to prepare for implementation of the Minamata Convention completed.



C. CREATING SHARED PROSPERITY

Agribusiness and rural entrepreneurship

Examples

- ❑ 3ADI+
- ❑ UNIDO-AfDB staple crops processing zones (SCPZs)
- ❑ Modjo Leather City in Ethiopia
- ❑ Growth pole programme (PDPC) in the DRC

- ❑ Creative Industries Value Chain Development in Madagascar
- ❑ Carpentry as a tool for female empowerment in Liberia
- ❑ Value addition of the cotton value chain in Egypt

Examples

Women and youth in productive activities

Human security, post-crisis rehabilitation and migration issues

Examples

- ❑ Promoting nutritional food security in South Sudan
- ❑ Daldhis (Build Your Country): re-establishing the state-citizen link in Somalia
- ❑ Community stabilization in Southern Somalia

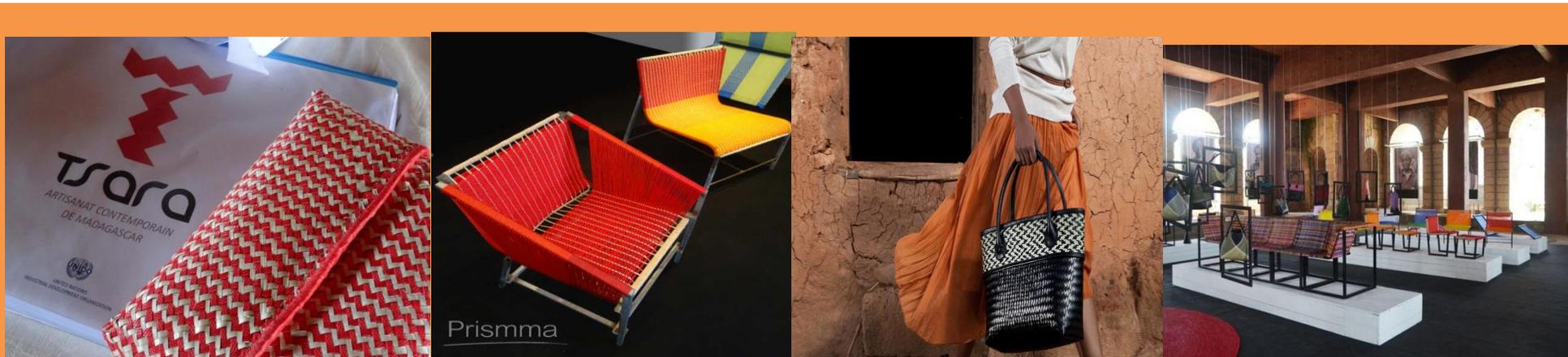


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Promoting creative industries in Madagascar



At a Glance

Location: Madagascar

Focus Area: creative design development

Donor: Norway

Duration: 2015- 2019

Key Results to date

- 7,515 students across 6 schools receive entrepreneurship education acquiring trade and entrepreneurial skills.
- The project is delivering trade and entrepreneurship education to 6 high schools in Bauchi, Adamawa and Gombe states.



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Promoting social stabilization through entrepreneurship development for youth



At a Glance

Location: Nigeria

Focus Area: Skills development for youth

Donor: Government of Japan

Coordinating Partners: Federal Ministry of Education (FME), Nigerian Educational Research and Development Council (NERDC) and 3 State Ministries of Education in northeastern Nigeria

Duration: 2018 - 2019

Key Results to date

- 7,515 students across 6 schools receive entrepreneurship education acquiring trade and entrepreneurial skills.
- The project is delivering trade and entrepreneurship education to 6 high schools in Bauchi, Adamawa and Gombe states.





C. Promoting social stabilization through vocational training and job creation for vulnerable people and communities in post-Ebola Liberia



At a Glance

Geographic scope: Liberia
Focus area: Human Security and post conflict rehabilitation
Funding partners: Japan
Duration: 2017-2018



Key Results

- 206 individuals with an average age of 29.5 years old, 22.3% of which were female, received carpentry and entrepreneurship training
- 36 persons received special wood processing training
- A seminar was hosted in Tokyo to mobilize the Japanese private sector with the participation of 27 Japanese companies
- 35 individuals from local businesses and carpentry unions received entrepreneurship training



5. UNIDO AND THE PRIVATE SECTOR

Examples of Partnerships:



Modalities of partnership:

- Programme for Country Partnership (PCP)
- Thematic multi-stakeholder partnerships
- Projects-level partnerships



UNIDO Partnership with illycaffè and Ernesto Illy Foundation



Improving the Sustainability and Inclusiveness of the Ethiopian Coffee Value Chain through Private and Public Partnership

At a Glance

Location: Ethiopia

Focus Area: Coffee value chain development

Partners: illycaffè and Fondazione Ernesto Illy, Italian Agency for Development Cooperation

Duration: 2015 - 2019

Key Results

- Capacity building and training for more than 9000 coffee farmers in Aleta Wondo (Southern Nation Nationalities and People Regional State) and Delo Mena (Oromia State)
- Renovation of 15 coffee farmers' cooperatives washing stations and coffee drying stations
- Development of a comprehensive communication strategy for the Ethiopian Coffee and Tea Development and Marketing Authority, as well as for the creation of national branding and marketing strategy for "Ethiopian Coffee".



Promoting youth employment by supporting technical and vocational education



Contributing to diversifying the local economy, promoting inclusive and sustainable investment and enhancing the employability of young women and men

At a Glance

Geographic scope: Liberia

Focus area: Human Security and post conflict rehabilitation

Funding partners: Japan

Other partners: Komatsu Ltd., Booker Washington Institute

Duration: 1 April 2016 – 31 March 2018



Key Results

- A **modern operator school** was established to address the skills need in the mining, construction and roads sector
- Project has managed to attract further government and donor interest. **30 million USD (EU + Government of Sweden)** has been made available to support vocational and technical training in the country with a plan to establish similar schools in 6 locations in the country.
- **500 Liberian students** to date have received technical and vocational training at the Japan Heavy Equipment Operator School in Kakata.
- **98 graduates** took apprenticeships in various industries and gained practical experience with a view to possible regular employment in Liberia's heavy-duty equipment sector.



The Zambian Industrial Training Academy (ZAMITA)



Private-Public Development Partnership (PPDP) within Zambia's Mining Skills and Training Framework

At a Glance

Geographic scope: Zambia

Focus area: Heavy-duty machinery

Business sector partner: Volvo Group

Other partners: Sida, Embassy of Sweden in Zambia and NORTEC technical school

Duration: 2015 - 2019

Key Results

- The ZAMITA Programme in Heavy Equipment Engineering was officially opened on 7 November 2016.
- With support of international partners, a modern curriculum was developed; infrastructure was upgraded and hi-tech training equipment was installed
- In 2018, the Zambian Government and the AfDB provided bursaries to 280 students, while 9 students were sponsored by Canadian company, First Quantum Minerals, and the Zambia National Service.
- The ZAMITA had 87 female students in 2017, as opposed to just one in 2016.
- Career service points were established to facilitate apprenticeships and the transition of graduates into the workforce.



UNIDO Partnership with Volvo Group



Specialized skills development to improve access of Ethiopian youth to gainful employment opportunities

At a Glance

Location: Ethiopia

Focus Area: Poverty reduction

Implementing partners: UNIDO, the Swedish International Development Cooperation Agency (SIDA)

Business partner: Volvo group

Duration: 2012 – June 2019

Key Results

- Volvo provided new equipment, training material, teacher training, ongoing curriculum development and apprenticeship opportunities for students.
- Training or trainers was conducted focused on provision of up-to-date technical skills to deliver high level technical training.
- 25-30 young trainees graduate annually in operations and maintenance of commercial vehicles.
- More than 100 local technicians and SMEs benefit annually from short-term skill upgrading trainings.



6. OUTLOOK

Energy

Industrial Policy

Science, Innovation and Technology

Agro-industrial value chain development

Environment

Agro-industrial Parks and Special Economic Zones

4th INDUSTRIAL REVOLUTION

1 NO POVERTY	2 ZERO HUNGER	3 GOOD HEALTH AND WELL-BEING
4 QUALITY EDUCATION	5 GENDER EQUALITY	6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY	8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
10 REDUCED INEQUALITIES	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION	14 LIFE BELOW WATER	15 LIFE ON LAND
16 PEACE, JUSTICE AND STRONG INSTITUTIONS	17 PARTNERSHIPS FOR THE GOALS	

INDUSTRY 4.0

DIGITALIZATION

INDUSTRY 4.0

E-COMMERCE

INNOVATION



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ご清聴ありがとうございました



IDDA3

Third Industrial Development
Decade for Africa 2016-2025