



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



SUSTAINABLE DEVELOPMENT GOAL 9
INDUSTRY, INNOVATION AND INFRASTRUCTURE

Japan-Africa Business Partnership through a UNIDO project

Nahomi Nishio
Department of Environment
UNIDO



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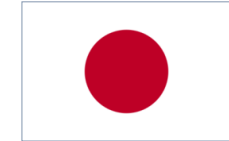
Case: South Africa

ΜΑΥΕΚΑΨΑ
MYCOM





About the Project



- **Low Carbon and Climate Resilient Industrial Development in Africa**





Project Objectives

- **To create awareness and demonstrate the opportunities and benefits of low carbon growth and climate resilient development in the production process in Africa**





Project Countries

- Egypt
- Kenya
- Senegal
- South Africa





Key Partners

National Governments

- Policy Actions

National Cleaner Production Centers (NCPCs)

- Technical Assessments/ technology transfer

Industry Associations

- Pilot technology demonstration in selected companies





Key Activities

Climate Risks &
Vulnerability
Assessments

LCCR Technology
Demonstration
(Adaptation
Measures)

Business
Partnerships

Awareness Raising & Dissemination





Business Partnership

- **Between Japanese companies and African companies**
 - Private sector to Private sector Contracts
- **To provide technological solutions for climate adaptation of the companies**





UNIDO/ITPO roles

UNIDO Environment Dept.

- Identifying the technological needs in Africa



UNIDO ITPO Tokyo

- Identifying the technology providers in Japan



South Africa's case

• Climate Vulnerability

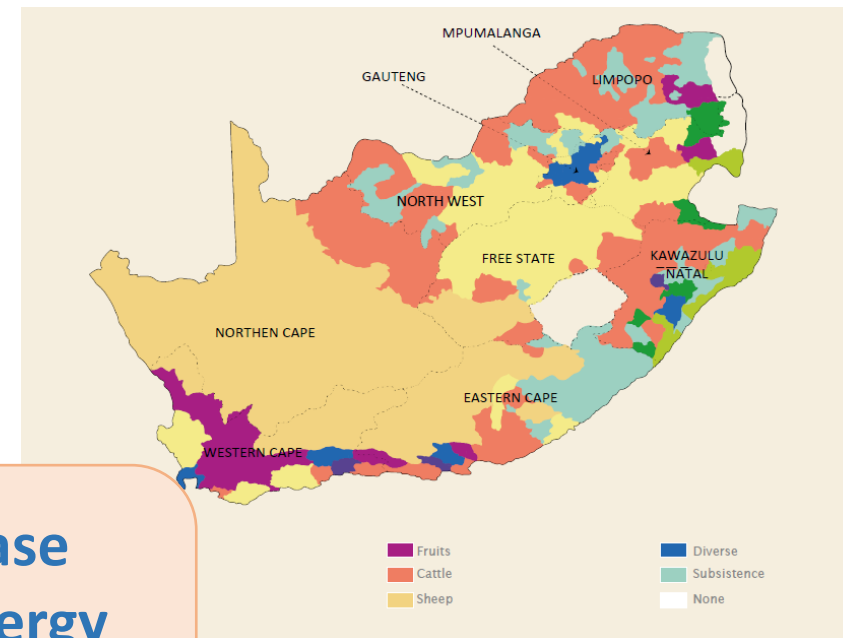
Temperature
raise

Erratic rain
patterns

Impact on

- Harvest/
Supply
- Energy cost
- Water use
- Logistics

Need to increase
resource & energy
efficiency to sustain
the production



Agricultural Zones of South Africa

In cooperation with





SirFruit

- Climate vulnerable
- Environmental commitment
- Demonstrative capacity
- Willingness to invest





SirFruit

- Climate vulnerable
- Environmental commitment
- Demonstrative capacity
- Willingness to invest

The screenshot shows the SirFruit website's sustainability page. At the top is a navigation menu with links: HOME, OUR STORY, OUR PRODUCTS, TRADE & STOCKISTS, SIR FRUIT (logo), RECIPES, SUSTAINABILITY, PARTNER BRANDS, and GET IN TOUCH. The main content area has an orange background and features the heading "THERE IS NO PLANET B" followed by "REDUCE, REUSE, RECYCLE". Below this is a paragraph of text: "You can't claim to be a champion fruit juice without championing the rights of Mother Nature. After all, she's a single parent, who works pretty hard to keep us all alive. But, in all seriousness, sustainability is a very real and complex issue. Sir Fruit is taking the slow and steady approach to win the race. Our tortoise verses hare tactic means making simple changes first and testing the complicated ones thoroughly. Indeed! We feel our strategy is more likely to result in a longer-term, more meaningful change. This will allow us to avoid falling victim to greenwashing and fly-by-night 'solutions'. We believe in the 'Three P's': People, Planet and Prosperity. We've already kicked-off some great stuff, but we haven't come this far to only go this far. So, keep your monocles fixed squarely on this space." To the left of this text is an illustration of a globe wearing a black bowler hat. To the right is a list of topics: WATER USAGE, ENERGY, WASTE NOT WANT NOT, SOCIAL, B-BBEE, and ONE FINAL NOTE. At the bottom of the page, there is a copyright notice "© 2018, Sir Fruit. All Rights Reserved." and social media icons for Facebook, Twitter, and Instagram.





Identified LCCR technology

- Efficient cooling system with heat recovery





Open Competitive Biddings

- Limited to Japanese companies

The screenshot displays the UN Global Marketplace website interface. On the left, there is a navigation menu with categories like Publications, Statistics, Evaluation, Policy-making Organs, Employment, Procurement, and Procurement Methods. The main content area is titled "Notices" and contains introductory text about procurement notices and instructions on how to access the e-portal. Below this text is a table of tender notices.

Title	Beneficiary Country	Deadline	Type	Event Number	Registration
Étude de faisabilité technico-économique de reconversion à l'énergie solaire du centre apicole de l'Union Sefrou des coopératives a	Morocco	01.05.2018 17:00:00 CET	Request f. Quotation	7000002912	Click here for more information
PROVISION OF TWO (2) MOBILE LABORATORIES FOR PCBs ANALYSIS IN TRANSFORMER OILS IN THE RUSSIAN FEDERATION	Russian Federation	02.05.2018 16:00:00 CET	Inv. to Bid (1 env.)	7000002773	Click here for more information

On the right side of the screenshot, there is a search and filter interface for tender notices. It includes fields for Title, Description, Reference, Published between, and Deadline between. A "Clear All" button is present. Below the search interface, a table displays search results for tender notices. The table has columns for Title, Deadline, Published, UN organization, Type of notice, Reference, and Beneficiary country/territory. Each row includes an "Express Interest" button.

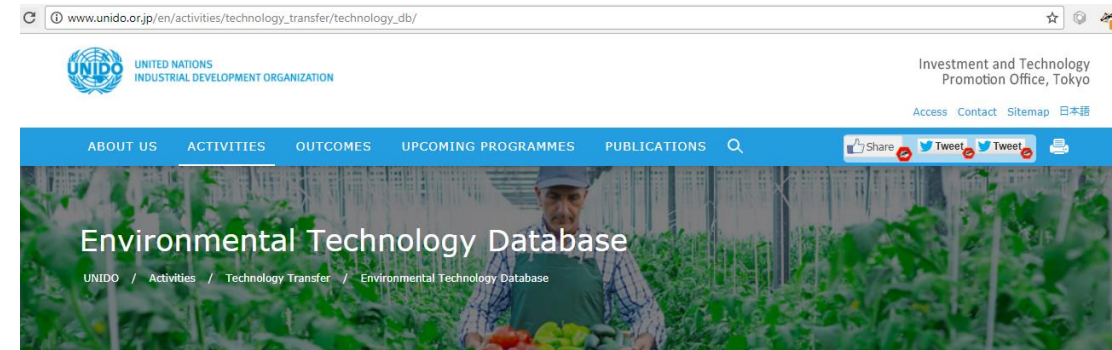
	Title	Deadline	Published	UN organization	Type of notice	Reference	Beneficiary country/territory
Express Interest	RFQ - UNDP/GEF YSLME Phase-II Project Website Development	27-Apr-2018 03:00 (GMT 0.00)	20-Apr-2018	UNOPS	Request for quotation	RFQ/2018/4107	Multiple destinations
Express Interest	ITB for Supply and delivery of cement, sand, Aggregate and Reinforcement Material to Dolkha	30-Apr-2018 06:15 (GMT 0.00)	20-Apr-2018	UNOPS	Invitation to bid	ITB/2018/4114	Nepal
Express Interest	RFQ for supply and delivery of Builder Training tool kits and Safety equipment for UNOPS Nepal	26-Apr-2018 06:15 (GMT 0.00)	20-Apr-2018	UNOPS	Request for quotation	RFQ/2018/4125	Nepal
Express Interest	Manpower agency for recruitment and management of Fundraising personnel	10-May-2018 10:00 (GMT 7.00)	20-Apr-2018	UNICEF	Request for EOI	REOI-2018-P5FR-200418	Thailand





Bridging with Japanese companies

- **Environmental Technology Database** on ITPO website
- **Coordinator in ITPO Tokyo**
 - Cold calling to potential technology providers
 - Visiting technology fairs



Activities

- ▶ Delegate Programme
- ▼ Technology Transfer
 - ▶ Environmental Technology Database
 - ▶ Low carbon & energy conservation
 - ▶ Prevention and destruction of pollution
 - ▶ Waste treatment & management
- ▶ Seminars & Events
- ▶ Capacity Building
- ▶ Activities Overseas

Environmental Technology Database



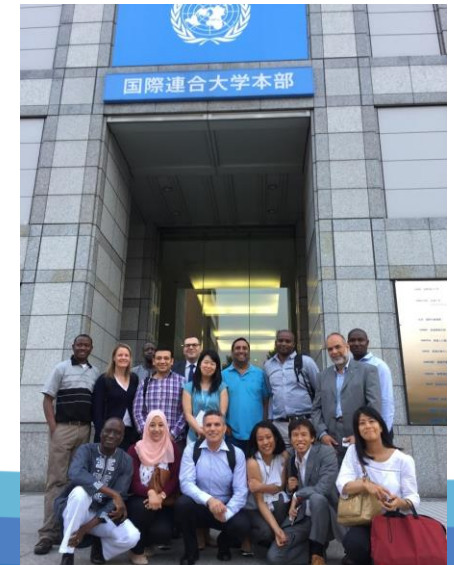
UNIDO ITPO Tokyo's Environmental Technology Database is designed to share information on energy and environment related technologies which Japanese enterprises possess, in order to promote the transfer of such technologies to developing countries.

The technologies are reviewed and checked for registration in the database by UNIDO officers and technology consultants





Japan Visit





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Other project countries

Country	Sectors	Technology identified	Japanese suppliers
Kenya	Tea	Efficient air blower	
Senegal	Fruits, Cereal	Dryers with Renewable energy	Local suppliers
South Africa	Fruit processing	Cooling system with heat recovery	
Egypt	Vegetable	Cooling system	Coming soon
	Fruit processing	PV panels	Coming soon



Project Video

- <https://youtu.be/0-tIFd0P8VI>

(Search words: UNIDO, Climate Resilient)

More about LCCR:



Low carbon and climate resilient industrial development in Africa

288 views

8 likes, 0 comments, SHARE, ...

United Nations Industrial Development Organization (UNIDO)
Published on Mar 12, 2018

SUBSCRIBE 5K

UNIDO works together with the Government of Japan in Egypt, Kenya, Senegal and South Africa to apply green industry policy instruments and Resource Efficient and Cleaner Production (RECP) practices and techniques in productive industries.

SHOW MORE



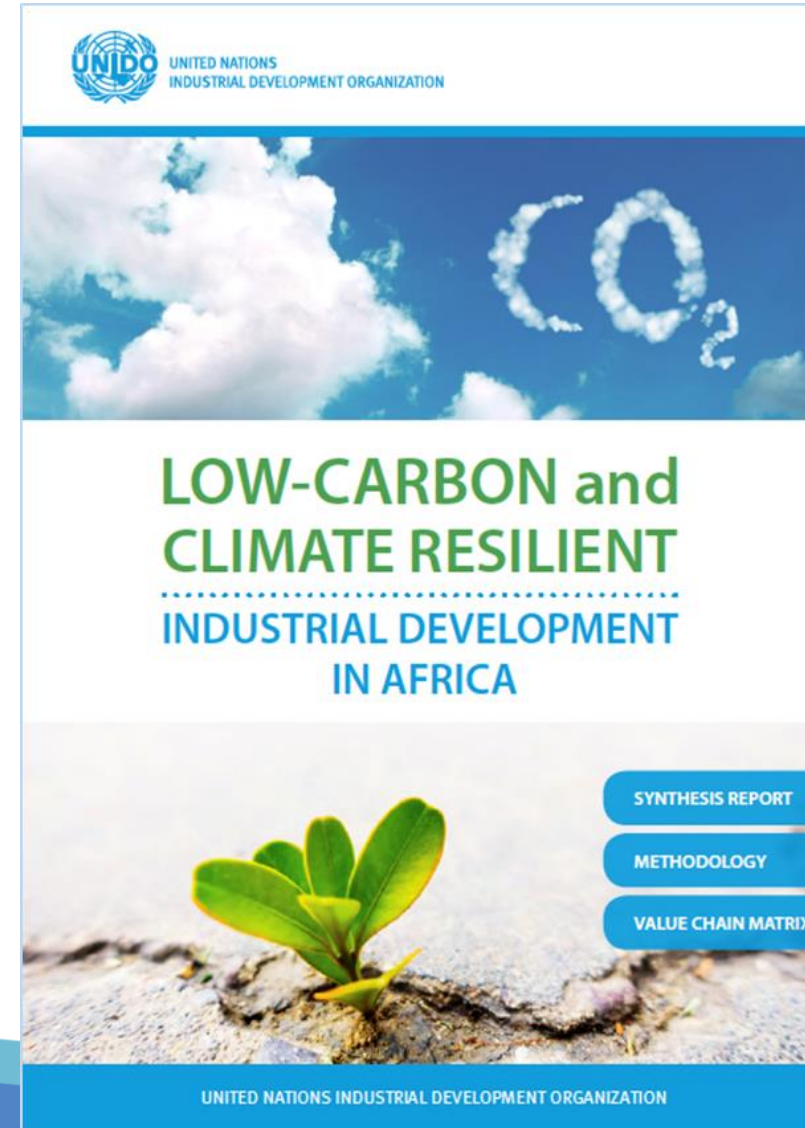
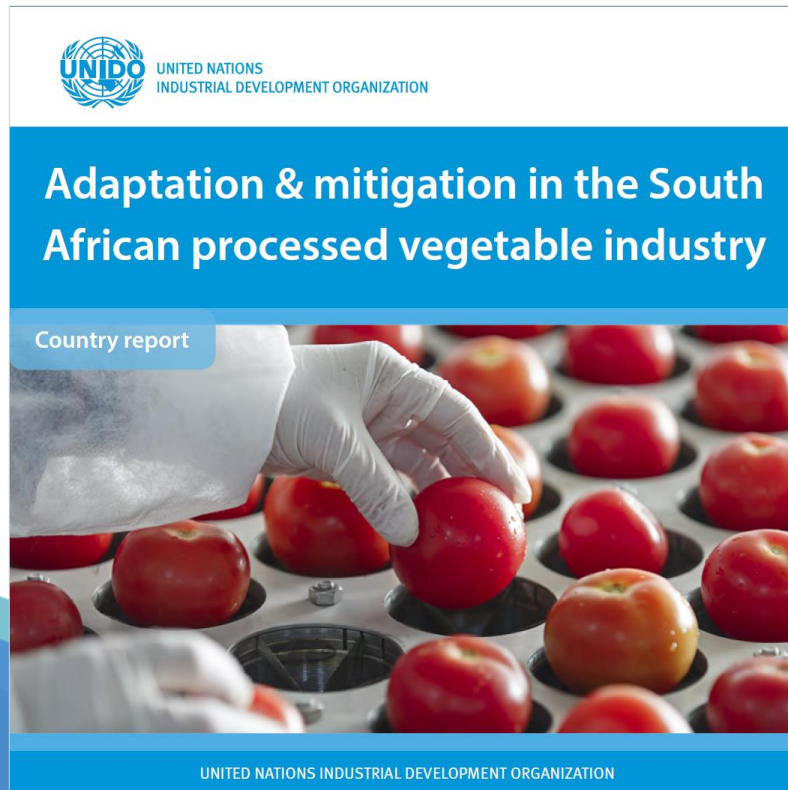


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Reports





Browser address bar: <https://open.unido.org/projects/M2/projects/130028>

Navigation: Home Projects Donors Publications Scorecard About

Region: Africa

Low Carbon and Climate Resilient Industrial Development in Africa

Overview

Project ID: 130028
Thematic Priority: GC3 Safeguarding the Environment
Location: Africa
Project Manager: Smail ALHILALI
Donor: Japan
Funds: Operational Budget, Trust Funds, Regular Programme of Technical Cooperation

The project will focus on four African countries, respectively: Egypt, Kenya, Senegal and South Africa. The project takes advantage of the institutional platforms already created by UNIDO through in particular the National Cleaner Production Centres (NCPCs), the ECOWAS Regional Centre for Energy Efficiency and Renewable Energy (www.ecree.org) and African Agribusiness and Agro-Industry Development Initiative (3ADI).

Financials

Total budget	\$1,828,408	Total expenditures	\$1,555,510
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Progress: 85%

Media

- 0. Vulnerability assessment report (Main).pdf [Download]
- 1. Value chain vulnerability-Egypt country report... [Download]
- 2. Value chain vulnerability-Kenya country report... [Download]
- 3. Value chain vulnerability-Senegal country repo... [Download]
- 4. Value chain vulnerability-SouthAfrica country r... [Download]
- UNIDO_leaflet_17_LCCR.pdf [Download]

Estimated Timeline

Progress: 96%

<https://open.unido.org/projects/M2/projects/130028>





UNIDO's Global RECP network

- National Cleaner Production Centers in 65+ countries

