

Expert Roundtable (TICAD8 Official Side Event)

# **How to Foster ‘Win-Win’ Net-Zero Partnerships Between Japan and Countries in North Africa - Insights from JICA-**

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# About JICA

- ✓ JICA carries out official development assistance (ODA) for the government of Japan in an effort to reduce poverty and address other challenges in partner countries, while effectively mobilizing Japan's human, technical, and financial resources.
- ✓ JICA engages in technical cooperation, ODA loans, and grant aid. It also dispatches Japan Overseas Cooperation Volunteers and Japan Disaster Relief to partner countries.
- ✓ JICA provides ODA for partner countries to put in place conducive infrastructure, policies, and institutions to help develop their industries and improve opportunities for trade and investment.



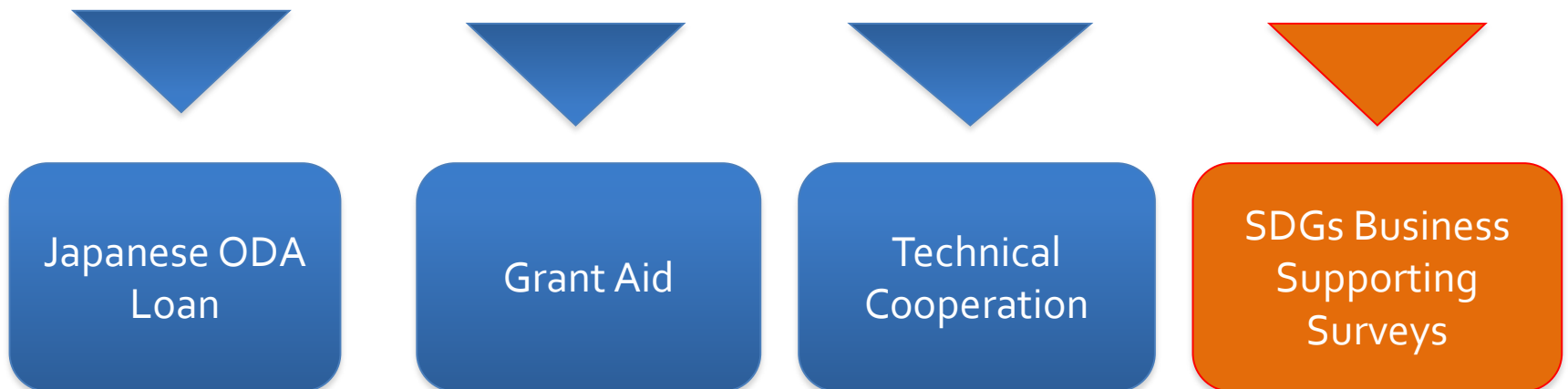
# JICA in North Africa at a glance

- JICA have offices in Egypt, Tunisia and Morocco (Tunisia office overseeing projects in Algeria)
- For Egypt, Tunisia and Morocco, Tech Cooperation, ODA Loan and Grant is utilized to maximize the impact of the cooperation.  
For Libya and Algeria, technical cooperation is utilized.
- Until 2021, JICA implemented in total of 27 Public-Private Partnership projects in this area (17 in Morocco, 6 in Egypt, 4 in Tunisia).



# JICA's Partnership with the Japanese Private Sector

By utilizing various schemes, JICA will collaborate with the Japanese private sector to conduct ODA more efficiently and effectively.

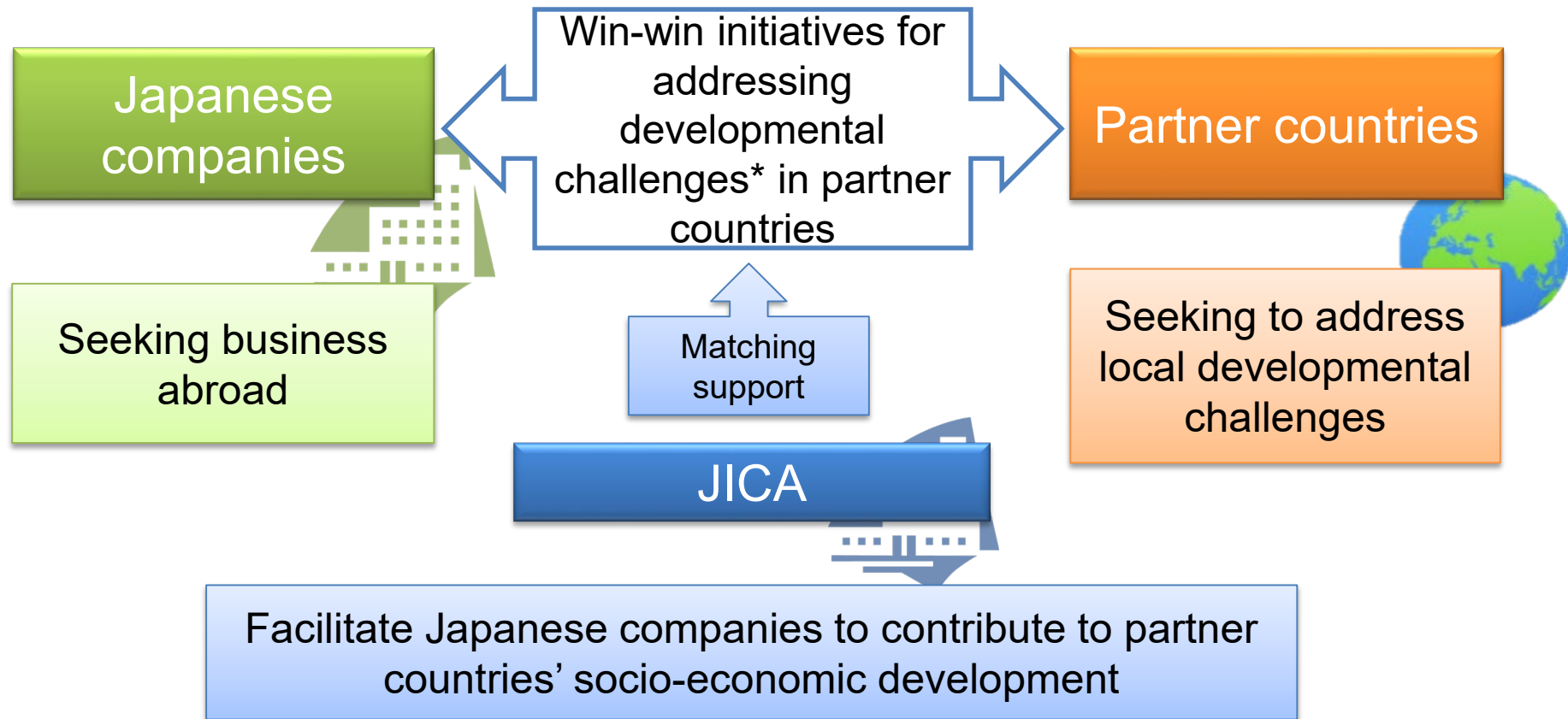


## SDGs Business Supporting Surveys

- The Japanese private sector possesses technological and human resources in various fields that may assist in fulfilling societal needs and have a positive impact on the social welfare of partner countries.
- JICA invites proposals from Japanese enterprises and collaborate with the proponents who have submitted successful proposals.

# SDGs Business Supporting Surveys

- JICA helps partner countries match their development needs with the appropriate products and technologies provided by Japanese companies.



For more information on SDGs Business Supporting Surveys, please see:

[https://www.jica.go.jp/priv\\_partner/case/ku57pq00002avzny-att/ind\\_summary\\_en\\_201907.pdf](https://www.jica.go.jp/priv_partner/case/ku57pq00002avzny-att/ind_summary_en_201907.pdf)

# Recycling of Olive Mill Waste by use of Oil Temperature Decompression Drying Machine

Eco-stage Engineering Co., Ltd., (Fukuoka, Japan)  
Suntech Co., Ltd., (Kagawa, Japan)

## Concerned Development Issues in Morocco

- Olive oil production: extraction plants discharge high volumes of olive mill waste and its waste water
- Olive mill waste can be converted into high value-add recycled product.

## Implemented Activities in the Survey

- Verified the effectiveness of recycling technology (an oil temperature decompression dryer).
- Shared the technology for using said dryer to recycle olive mill waste and established a disseminating system.
- Formulated a business plan

## Proposed Products/Technologies



## Oil Temperature Decompression Drying Machine

- ◆ The tempura method: With oil as the heating medium, the dryer is heated while decompressing the food waste and agitating the oil.

## Survey Overview

- ◆ Name of Counterpart: Sebou Hydraulic Basin Agency
- ◆ Survey duration: Feb. 2019 – Feb. 2023
- ◆ Survey Area: Doukkarat Industrial Zone in Fez-Meknès

## Impact in Morocco

- Widening opportunities to olive oil extraction industry (such as olive mill waste recycling businesses).
- Establishing recycling technology for olive mill waste will promote construction of the olive pomace recycling plants within Morocco.

## Survey Outputs and Outcomes

- Japanese Companies hope to sell decompression dryer kits to the 50 olive pomace recycling plants within Morocco.
- The company hopes to gain business opportunities in the international market as well.



# Installation of Smokeless Incinerators for Medical Wastes at Public Hospitals in Regional hub cities CHUWA Industrial Co., Ltd., (Tokyo, Japan)

## Concerned Development Issues in Morocco

- Hospitals and health centers in some rural areas did not have an established system to dispose medical wastes.
- The Ministry of Health is required to present effective measures for the disposal of medical wastes in rural areas.

## Proposed Products/Technologies



**Smokeless Incinerators  
for Medical Wastes (CX-1K)**

- Plastic wastes can be incinerated without smoke in a multi-nozzle incineration method.

## Survey Overview

- ◆ Name of Counterpart: Ministry of Health
- ◆ Survey duration: Feb. 2019 to Sep. 2023
- ◆ Survey Area: Khénifra Provincial Hospital Centre, Derâa Tafilalet Regional Hospital Center

## Impact in Morocco

- Reduce the risk of secondary infection caused by prolonged storage of medical wastes.
- Raised awareness on safety and how to handle medical wastes.

## Implemented Activities in the Survey

- Introduce smokeless incinerators to 2 national/public hospital in rural areas.
- Transfer techniques concerning the operation and maintenance.
- Build a foundation to expand the use of the incinerators and establish a business development plan.

## Survey Outputs and Outcomes

- Spreading of smokeless incinerators to other hospitals and provincial hospitals in rural areas. Moreover, to private medical facilities as well.
- Will help eliminate poor-quality waste treatment equipment.
- Waste treatment cost will be reduced and the financial conditions of the hospitals will improve.

## Background

- 2013 TICAD V: Commitment by the GoJ to commence ABE Initiative
- 2016 TICAD VI: Expansion of the Initiative (1,500 youths in 3 years)
- 2019 TICAD VII: Further expansion of the Initiative (3,000 youths in 6 years)

## Target

- Human Resource in Private Sector/Public Sector/Research
- About 1,500 youth from 54 countries in Africa came to Japan between 2014-20

## Master`s Degree

About 80 Universities in Japan

## Internship

About 500 Japanese enterprises



2018 Welcoming Reception

For the 2021 Batch: 108 youths

number of youth from the northern African countries  
(total sum until 2021)

Algeria	Egypt	Morocco	Tunisia	Libya
14	94	83	24	6