

Toward TICAD 8

DECEMBER 22, 2021

AFRECO ASSOCIATION OF AFRICAN ECONOMY & DEVELOPMENT

About AFRECO

AFRECO:

Association of African Economy & Development was established in 1970 by former PM Nobusuke KISHI and socially prominent people. The current president is **Tetsuro YANO (Mr)**, former Senior Vice-Minister of Foreign Affairs.

Aims:

To promote closer economic and cultural exchanges and contribute to Japan and African countries' friendship and mutual prosperity

To cooperate in economic activities and formulate projects that bring economic benefits to the Japanese government and companies.

Key Activities:

1. Research and support programs to strengthen economic and cultural exchanges with African countries
2. Organizing events, lectures, round-table talks, study groups, and exchange meetings
3. Publication for publicity and enlightenment
4. Supporting cooperation with related organizations and groups in Japan and African countries

Medical Engineer Training



Objective:

To make Higher Institute of **Medical Technologies of Tunis, University of Tunis El Manar (ISTMT)** a hub for sub-Saharan Africa, especially French-speaking countries, in the field of medical engineering (ME)

Development:

- 2019 **Prof. Hedi TRABELSI from ISTMT** had a vision and experiences of triangular projects.
MOU b/w ISTMT and AFRECO
- 2020 Introducing **Tomotaka NARAMURA, C.E., PhD from Clinical Engineering Global Promotion Foundation**
Opening the Medical Engineer course at ISTMT
- 2021 MOU b/w ISTMT and **Morinomiya Univ. of Medical Sciences** for ME course
MOU b/w ISTMT and **JICA** for triangular cooperation projects

Future Plan:

- Enhancement of ME course
- Showcase of medical equipment maintenance at TICAD8

INOUE BALLOON Introduction



Objective:

To make Tunisia a hub for sub-Saharan Africa to introduce Percutaneous Transvenous Mitral Commissurotomy (PTMC) Treatment using INOUE BALLOON to resolve rheumatic fever and rheumatic heart disease

Development:

2020 **Kanji INOUE M.D.** asked AFRECO to submit PTMC treatment more in Africa.

Habib GAMRA M.D. from Fattouma Bourguiba Univ. Hospital kindly became a partner on this project.

2021 Dr Gamra invited Dr Inoue to the 22nd PanAfrican Course on Interventional Cardiology (**PAFCIC 2021**)

Future Plan:

- Demonstration of PTMC treatment by Dr Inoue at TICAD8 inviting doctors in the continent

INOUE BALLOON (**Toray Medical Co., Ltd.**)

Rheumatic heart disease is still prevalent in Africa, and many young patients suffer from heart failure.

Approx. 60% of them are patients with mitral stenosis, which PTMC could save.

Inter-university Exchange through Product Making



Objective:

Japanese and Tunisian universities collaborate to create products with an eye on student entrepreneurship.

Development:

2020 **Ryuen HIRAMATSU, PhD from Dept. of Total Beauty, University of East Asia (UEA)** started to communicate with **Mohamed HACHANA, PhD from High School of Health Science and Techniques of Monastir.**

2021 MOU b/w University of Monastir and UEA

The two universities have started a joint class for students to make nature-friendly soaps using Tunisian ingredients and Japanese packaging supported by **Reinatural Inc.**, a cosmetics company in Tokyo.

Future Plan:

- Selling the soaps to the general public. Using some % of the profit, delivering them to refugee camps.
- This project will continue after TICAD 8 to provide entrepreneurship education and start a business in Tunisia.



Plant to Manufacture Infectious Disease Test Kits



Objective:

To transfer technology of manufacturing infectious disease test kits and provide them to all over Africa

Partner Wanted!

- **G Cube Co., Ltd.**, Osaka, is now providing SARS-CoV-2 Test Service for COVID-19 in Japan, which contains:
 - ① Antigen Self-test kit
 - ② PCR kit
 - ③ Antibody Kit
 - ④ Antibody Quantitative Test
- G Cube is interested in setting up a plant to manufacture these test kits in Africa.
- As a first step, G Cube can deliver the parts of the kits, and the plan in Africa can assemble the parts.
- Later, G Cube can transfer all the technology to manufacture the kits from scratch.
- Now G cube thinks the kits for COVID-19 but can apply the same technology for other infectious diseases in the future

AI Support System Introduction



Objective:

To introduce an AI Support system for chest X-ray imaging diagnosis to support doctors

Partner Wanted!

- **NTT DATA Corp.** and its consulting company, **Qunie Corp.**, are looking for a partner in Africa. They believe this system could be a solution because it can:
 - ① instantly diagnose more than 17 diseases such as COVID-19, tuberculosis and pneumonia.
 - ② Automatically generate a clinical radiology report.
 - ③ be used as an education tool for young doctors and technicians.
 - ④ provide the screening programs of MOH and hospitals in case of outbreaks.
- This system is on a pay-as-you-go basis (a few dollars per image) and is plug-and-play, requiring only a PC and a digital X-ray system. The initial cost can be thus reduced.
- This uses a cloud system which needs a minimum communication speed of about 3 Mbps.
- Once the diagnostic imaging equipment and communication environment are in place, the system can be installed in one week, including software installation and training for medical personnel.

Survey on Japan's Cooperation in the Health Sector in Africa

AFRECO conducted the **Survey on Japan's Cooperation in the Health Sector in Africa** (mainly sub-Saharan Africa) this summer commissioned by Japan's Ministry of Finance. The theme is **HEALTH X FINANCE**.

AFRECO recommended the following 6 points to Japan's government in the report after this survey:

1. Keep in mind that previous charters, strategies or plans may not have been followed.
2. Pursue the possibility of funding the medical and health care through the government's general account
3. Promote PPPs in the medical and health care sector
4. Proceed PPPs mainly with DFIs
5. Use MSMEs especially in the introduction of new technologies and services
6. Facilitate DFI fundraising and resource mobilization

Catalogue:

(URL) <http://afreco.jp/2021/12/07/healthcare-projects-catalogue/>

AFRECO plans to increase the number of technologies in this catalogue. Some are introduced in this presentation by QR codes. Should you be interested in any of them, feel free to contact AFRECO.

Thank you !

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