

Promotion and Utilization of Digital Transformation (DX) and Science Technology Innovation (STI): Innovation of Development Models and Methods Utilizing DX/STI

Status Quo and Challenges

- Internet economy on the Africa continent will grow to \$ 180 billion by 2025, and \$ 712 billion by 2050. Also there will be 10% improvement in internet connectivity which leads to 2.5% increase in GDP (source: IFC).
- Due to COVID-19, digitization of economic society is drastically progressing internationally including Africa.

Direction of Activities towards TICAD 8

■ Vision:

Advocate the "**JICA DX Challenge for Africa**" for TICAD 9, and aim for economic and social development based on "Human Security" by mainstreaming DX and promoting data-driven development in Africa. JICA will contribute to the AU's Africa DX Strategy (2020-2030) by promoting collaboration with other development partners.

■ General:

Starting from Africa, JICA will build a support system that facilitates the adoption of DX projects in any region, field, or issue, and will promote the formation and implementation of model projects throughout the organization. In the future, we also aim to share and encourage development based on the accumulated data with governments and other development partners.

● Mainstreaming of DX:

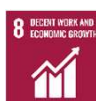
- ✓ By screening JICA's projects in Africa and considering incorporating DX technologies, we aim to increase the development effectiveness of projects that can be replicated in other areas.

● Data-driven development in Africa:

- ✓ As a partner in promoting the use of data in African development, JICA will formulate and implement projects that will be highly effective through the introduction of DX in each field and issue.
- ✓ JICA will consider the direction of data utilization that will contribute to Africa's development over the medium to long term, based on the problems of data utilization in Africa.
- ✓ The scope of these activities will be introduced by Technical Cooperation, Grant Aids, ODA loan, and private sector partnership projects.



Contributing SDGs



JICA's Efforts to Date



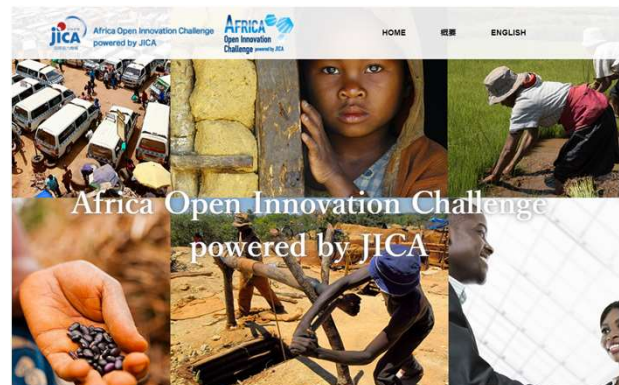
A joint side event with WB and UNDP was held at TICAD 7 under the theme of From Idea to Action: Harnessing the Potential of Science, Technology and Innovation (STI) in Africa Development



In 2020, STI-DX sector was newly established in JICA to promote DX, and cooperation in new areas using digital technology.



Seminars were held as part of a study on open innovation using digital technology in Africa.



Implementing projects to solve issues through open innovation with private companies. Established a special website as an platform of information on the public call and the progress of the demonstration.



Conducted surveys that led to new DX such as ICT Technical Cooperation in Rwanda and survey on digitization of public services in Africa.



"JICA-Kosen Open Innovation Challenge" that utilizes manufacturing skills of technical school students in Japan to solve social issues in Africa.