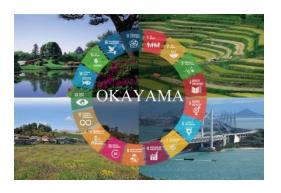


Human Resource Development Programmes for Africa and ASEAN in collaboration with UNCTAD

NASU Yasutomo M.D., Ph.D.

President
OKAYAMA UNIVERSITY
Japan



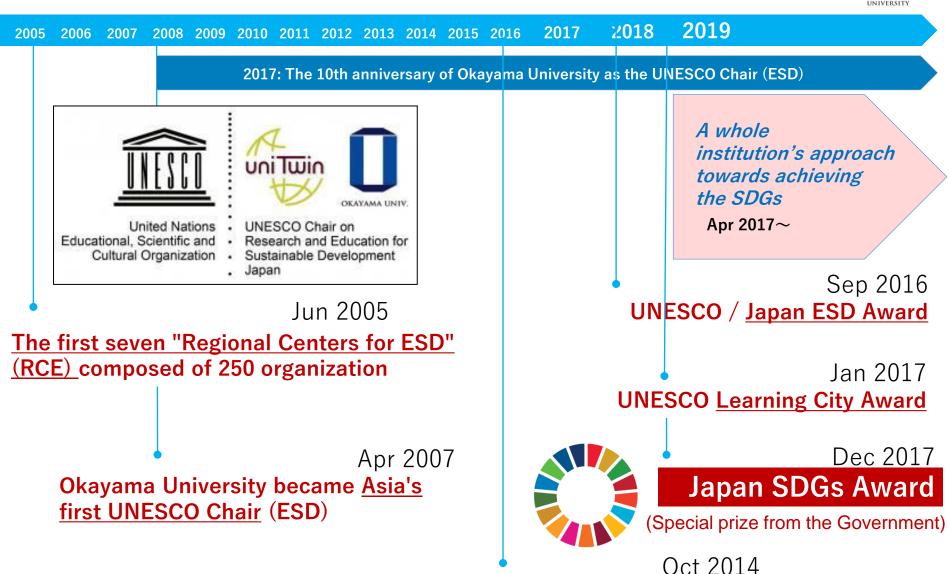




Since 1870

Tangible Achievements of Okayama University in Partnership with UNESCO to advance the SDGs





UNESCO World Conference on ESD





Established in 1964. Located in Geneva, UNCTAD is the central United Nations agency that comprehensively addresses trade and development, finance, investment, technology, and sustainable development issues.

It aims to maximize trade, investment, and development opportunities for developing countries, assist developing countries in facing challenges arising from globalization, and integrate them into the world economy on an equal footing.







On January 9, 2020, Okayama University and UNCTAD concluded a memorandum of understanding (MoU) for comprehensive cooperation on the development of human resources in science and technology innovation for the Sustainable Development Goals (SDGs) (STI for SDGs), the first of its kind among universities around the world.

1. UNCTAD Short-term Researcher Acceptance Programme

Young Female Scientist Programme in Japan

"Joint Research and Training Course for Young Female Researchers from Developing Countries"

2. UNCTAD Long-term Program

(At the Graduate School of Environmental and Life Science and Interdisciplinary Science and Engineering in Health Systems)

"Doctoral degree program for young researchers from developing countries"



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Science, technology and innovation / Young Female Scientist Programme

Young Female Scientist Programme

Science, Technology and Innovation (STI) are key drivers to achieve the Sustainable Development Goals (SDGs) but STI capabilities in developing countries are still limited. Also, there is a lack of young women scientists in developing countries and closing the gender gap will be key to accelerate progress in harnessing science, technology and innovation for truly inclusive and sustainable development for all communities and all countries.

Objective

To improve STI capabilities in relation to the achievement of the SDGs, the Young Female Scientist Programme was launched and implemented in the context of the United Nations Commission on Science and Technology for Development.

The aim of this Young Female Scientist Programme is to build human capital in STI-related fields in developing countries through educational programmes and contribute to the achievement of Sustainable Development Goals.

Activities

The programme offers the opportunity for eligible young female scientists from ASEAN and African countries to engage in cutting-edge research activities at Okayama University in Japan for 14 to 30 days.

Intended Outcomes

Participants can gain hands-on research experience in their respective STI fields (many of them are health-related) with the help of topclass faculty at the university. Participants are expected to contribute to the achievement of SDGs in their own countries building on their research experience in Japan.



Partners
Okavama University



Beneficiaries

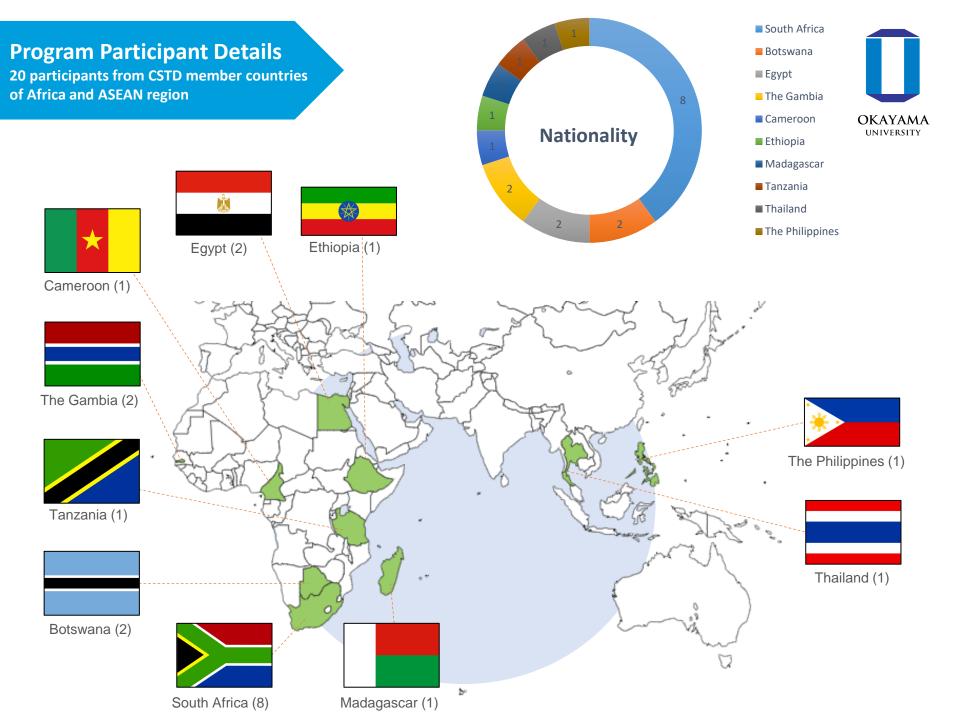
Gambia, South Africa, Tanzania, the Philippines, Egypt, Ethiopia, Botswana, Cameroon, Madagascar and Thailand.

Duration 2020-2024

© UNCTAD: https://unctad.org/topic/science-technology-and-innovation/young-female-scientist-programme

20 participants from 10 countries:

Republic of Botswana, Cameroon, Egypt, Ethiopia, Madagascar, South Africa, Tanzania, Thailand, The Gambia, The Phillippines

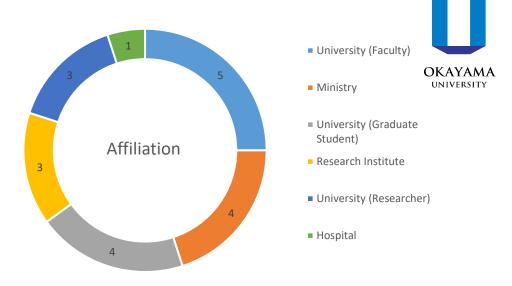


Background of the participants

Young female researchers from diverse backgrounds participated in this program

Examples of Institutional Affiliations

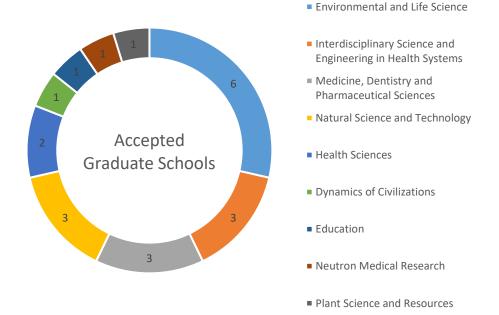
Nelson Mandela University, University of Cape Town, Rhodes University, Tshwane University of Technology, University of the Philippines Manila, National Science and Technology Development Agency, Ministry of Health Directorate of Health Research, Zewail City of Science and Technology, Yaounde Central Hospital



Research Areas

A wide variety of graduate schools at Okayama University accepted the researchers

Humanities and Social Sciences /
Natural Sciences and Technology /
Health Sciences /
Medicine, Dentistry and Pharmaceutical
Sciences /
Environmental, Life, Natural Science
and Technology /
Interdisciplinary Science and
Engineering in Health Systems



Research Activities at Okayama University





Dr. Zamaswazi Tshabalala (South Africa)
Postdoctoral Research Fellow,
University of the Free State
Research Subject "Study the Electronic band
structure and catalysis of the organometallic
complex for gas sensing applications"



Ms. Thandiswa Nqowana (South Africa)
Lecturer, Rhodes University
Research Subject "Water quality monitoring using
biosensors: A study of analysis for stimulus-response
coupling in aquatic organisms"



Ms. Phebian Ina Grant-Sagnia (The Gambia)
Principal Health Research Officer, Ministry of Health,
Directorate of Health Research
Research Subject "Implementation and Public Health
Research"

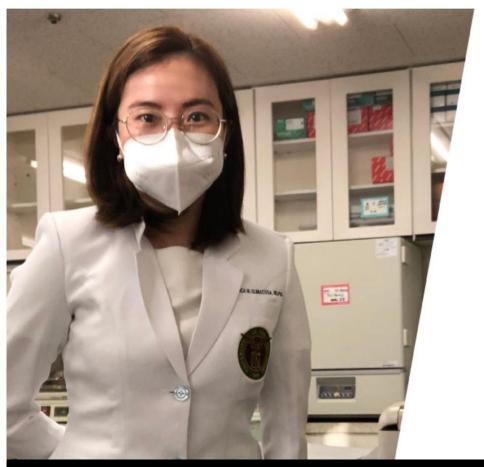


Assistant Professor, Center for Genomics, Zewail City of Science and Technology Research Subject "Investigating the tolerance mechanisms of stalled Topoisomerase 1 cleavage complexes"

Women scientists from developing countries at the forefront of cutting-edge research

09 February 2023

Participants of UNCTAD and Okayama University's Young Female Scientist Programme are breaking the glass ceiling in science, technology, engineering and maths.



"

I am exploring sending
Filipino graduate
students to Okayama
University for possible
sandwich research
programmes
to further strengthen the
collaboration."

Ms. Fresthel Climacosa, the Philippines

Interaction among Young Female Researchers

During their stay at Okayama University, participants have the opportunity to interact with young female researchers at Okayama University, as well as to experience traditional Japanese culture and the atmosphere of Okayama with other participants in the program.



WTT Faculty at Okayama University

Okayama University aims to achieve world-class research in the academic field and position ourselves as a global research base. In order to realize this, developing a diverse research environment is positioned as one of the most important tasks. The "Woman Tenure Track (WTT) System" was established in FY 2009 to promote recruitment and foster excellence in female faculties.



Young Female Scientist

"The Young Female Scientist Programme in Japan" invites female researchers under the age of 40 from CSTD member countries in Africa and the ASEAN region. This program lasts 14 to 30 days and brings together female scientists from various backgrounds, including university faculty, researchers, government employees, and graduate students.

Researchers who are raising children are also actively participating.







Ripple effect after the Program





Continuity

Alumni of the program encourage their colleagues to apply for the program. Creating the Human Resource Development Eco-system



Cooperation

Alumni of the program return to their home institute and started to discuss student and faculty exchange by signing the MoU with Okayama University



Collaboration

Alumni of this program continue their coresearch with Okayama University faculties, and several ongoing research, as well as co-publications, are under the review



UNCTAD-Okayama University Special Lecture Technology × \$\cong2 \text{SDGs}



Catching technological waves: Innovation with equity

Language
English (with Japanese simultaneous interpretation)

2023. **1.31** Tuesday 15:30-16:20



Venue O Okayama Visionary Commons, Okayama Uiversity Tsushima Campus

Capacity 150 (First-come-first-served basis) Applications will be closed when capacity is reached.

Free of charge

Profile of Lecturer

Dr. Shamika N. Sirimanne is the Director of the Division on Technology and Logistics of United Nations Conference on Trade and Development (UNCTAD). She leads UNCTAD's work on Science, Technology and Innovation (STI), including e-Commerce and the digital economy, and manages the research for two of UNCTAD's flagship publications: Technology and Innovation Report, and Digital Economy Report.

Registration

Please register from the QR code or the link below



Application deadline Tuesday, January 24, 17:00 https://forms.gle/j1qhWFKG2yQM4cvT6













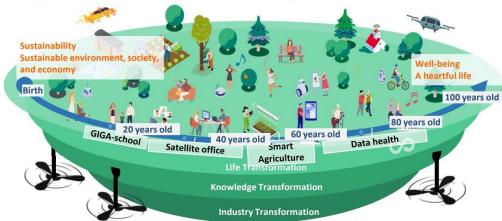


© UN: https://www.un.org/nl/file/156327



Crystalizing Vision for a Digital Garden City Nation

- Unleashing the full potential of digital technology, "developing the character and abundance of the local areas," and "being equal or more productive and convenient than the city areas," crystalize the "Vision for a Digital Garden City Nation."
- And achieve "Well-being" & "Sustainability in environment, society, and economy."



Basic concept for vision for a Digital Garden City Nation

To the extent that it follows the Digital principles and promotes the development of open data infrastructure, the government will support local activities that collaborate with multiple businesses and citizens to figure out the social issues.

Main efforts for a Digital Garden City Nation

- (1) Developing digital infrastructure that supports local areas
- (3) Fostering digital human resources & Enhancing the new influx to local areas
- (5) Exporting the Digital Garden City Nation model to the world
- (2) Deploying digital services that solve local issues
- (4) Revitalizing local industries and foster startups for digital technology

Setting clear goals

Require to set clear goals and to report to the supporter the progress and the results by monitoring all activities for a Digital Garden City Nation.



A Research University that Together Creates and Nurtures a Bright Future

Thank you for your attention!

NASU Yasutomo M.D., Ph.D.

President
OKAYAMA UNIVERSITY