

We Are *Tomodachi* Autumn 2016





The Government of Japan

We Are *Tomodachi* Autumn 2016

Prime Minister Abe's Trip to Mongolia for the 11th ASEM Summit (July 2016)





About TICAD

TICAD stands for "Tokyo International Conference on African Development." It was launched in 1993 to promote high-level policy dialogue between African leaders and development partners. Meetings are led by Japan and co-organized by the United Nations, the United Nations Development Programme (UNDP), the World Bank, and the African Union Commission (AUC). With the inception of TICAD, Japan became the first country to have pioneered a pan-African external development partner forum. TICAD's innovative approaches include advocating African ownership and the international community's partnership; promoting the participation of international organizations, donor countries, the private sector and nongovernmental organizations in Japan-led aid initiatives; and creating followup and review mechanisms to ensure the progress of each project.

Hopes for TICAD VI

The next and sixth TICAD (TICAD VI) will be held in Africa for the first time, with Kenya as the host nation, on August 27 and 28, 2016. About 6,000 delegates, including Japanese Prime Minister Shinzo Abe and Kenyan President Uhuru Kenyatta, are expected to attend.

At TICAD VI, taking note of the new challenges that have arisen since TICAD V, such as the collapse in prices of natural resources, the Ebola crisis, and the rise of violent extremism and terrorism, the delegates will discuss Africa's economic diversification and industrialization, resilient health care systems, and social stability, among other topics, to further advance Africa to be a growth center of the world by the middle of the twenty-first century.

> For more details, visit: http://www.japan.go.jp/ticad/

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Japan and Africa

Japan and Africa have had an impactful and unique relationship for several decades. Japan long has developed a positive leadership role in Africa's development.

One of the most important and most visible features of Japan's relationship with Africa is the Tokyo International Conference on African Development (TICAD). TICAD, initiated by the government of Japan in 1993, is a multilateral and international forum that focuses entirely on African development. The sixth installment of TICAD will occur this August in Kenya. TICAD is one of the oldest international forums in which issues related to Africa's development are discussed among multiple stakeholders. The TICAD organizers invite African heads of states, international and regional development organizations, representatives of the private sector, development partners, and representatives of civil society.

From 1993, TICAD was held every five years in Japan. At TICAD V in 2013, the sponsors decided to change its cycle to every three years, with the hosting country alternating between Japan and an African country. TICAD VI will be held outside Japan for the first time, in Nairobi, Kenya, in August 2016. Following the success of TICAD V, expectations are high for the first TICAD on the African continent. Deciding to hold TICAD VI in Kenya is meant to move the proceedings away from a Tokyo-centric forum on African development to an Africa-focused forum. Indeed, this is considered a major milestone and a specific demonstration towards achieving a more strategic partnership between African countries and Japan. And it underscores the spirit of partnership and ownership underpinning the formation of the TICAD process in 1993.

Since its inception, TICAD has provided fundamental and comprehensive policy guidelines on African development. TICAD has evolved into a major global framework to facilitate the implementation of initiatives for promoting African development under the dual principles of African ownership and international partnership. For the initial TICAD meetings, Japan's contributions to Africa primarily were in the areas of development assistance and poverty reduction. Other TICAD meetings focused on social development sectors, including education, health, and community development. Latter TICAD meetings emphasized infrastructural investment and the effects of climate change.

The upcoming TICAD VI more specifically is based on three pillars:

- 1. Promoting economic transformation through industrialization
- 2. Promoting resilient health systems for improved quality of life
- 3. Promoting social stability for shared prosperity

Given these themes, Japan has contributed to Africa in many specific ways. First, following TICAD V in 2013, the government of Japan shifted its focus towards Japanese private-sector investment in Africa. TICAD VI will feature inclusion of the Japanese and African private sectors in promoting socioeconomic development. According to Ambassador Ben Ogutu, the director of the TICAD VI Secretariat, the upcoming event will capture the essence of job creation.

Additionally, in 2013, Prime Minister Abe's pledge of USD 32 billion to be invested over the subsequent five years constituted a significant increase in Japanese investment. The Japan External Trade Organization (JETRO) initiated a program that helps African countries achieve sustainable economic growth by working with them to strengthen export industries. Moreover, the Japan International Cooperation Agency (JICA) is supporting programs promoting human resource development for industry and business in Africa.

A second contribution from TICAD was Prime

Minister Abe's 2014 visit to Côte d'Ivoire, Ethiopia, and Mozambigue, the first trip to Africa by a Japanese prime minister in nearly 10 years. Third, in addition to the renewed focus on private-sector investment in Africa, the government of Japan continues to contribute to development projects in individual countries. As an example, during his visit to Mozambique, Prime Minister Abe announced the provision of USD 570 million for the development of a trading corridor in that country. Japan also has been investing in Africa's agricultural sector with particular emphasis on rice production. Another example of Japan's contribution is assisting African countries with natural disaster preparation plans. Moreover, the prime minister announced the African Business Education Initiative for Youth (ABE Initiative), a plan that will invite 1,000 African nationals over five years to study in Japan and to work as interns in Japanese companies.

What motivates Japan's relationship to Africa? Japan clearly sees the humanitarian needs in Africa and given its economic wealth, it could create a positive aid environment. Japan also uses TICAD as a platform to put forward a development model that derives from Japan's own development history. Japan long has emphasized a self-help policy based on industrialization. The benefits from these policies can be shared with African countries. Moreover, the Japanese government seeks to reinforce relations with Africa at a time when other countries are making their presence felt on the continent, considered the world's last great growth market. For their part, African countries are hoping to attract investment from diverse sources, including Japan, in order to foster sustainable growth and combat the effects of a possible slowdown in the global economy.

Japan can play a crucial role in assisting African governments towards their development goals, and TICAD represents a notable example of global collaboration and Japanese leadership focusing on African development. While Africa's economy has been growing by around 5% annually, much of that new wealth remains under the control of African elites. For more comprehensive development, more work needs to occur with the construction of effective and efficient infrastructure, the development of a vibrant middle class, the implementation of environmental policies, and the protection of human rights and human security. The small but vocal group of Japanese civil society organizations at TICAD V highlighted this concern of expanding the view of development. For these groups, economic growth is necessary, but not sufficient in order to achieve development.

TICAD VI represents the continuity of Japanese development policy towards Africa, but also a renewed focus on what Africans themselves want. Holding this international conference in Kenya demonstrates an important shift for Japanese policy and a new opportunity to bring positive and impactful change in Africa. (*Written in July 2016*.)



Dr. Howard Lehman

Dr. Howard Lehman is a professor of political science at the University of Utah. He has published many articles and two books on African development and Japanese foreign aid policy to Africa. His most recent edited book is Japan and Africa: Globalization and Foreign Aid in the 21st Century. He has been the recipient of three Fulbright Scholar awards including to Japan, where he taught at Kyushu University. He also has been a visiting scholar at Kobe University.

Japan Contributing to Africa's Tomorrow

Improving East Africa's Inland Logistics

New International Bridge and Customs Post Facilitate Cross-Border Transport

The Rusumo International Bridge at the border of Rwanda and Tanzania is a key logistics link for the inland countries of East Africa. The bridge is on the Central Corridor, an arterial roadway from the Indian Ocean to Rwanda. For many years it was subject to constant congestion due to traffic limits made necessary by the bridge's structural deterioration and to the complexity of customs procedures. To address this problem, the Japanese government extended JPY 3.72 billion (USD 35.4 million) in grant aid to undertake the Project for Construction of Rusumo International Bridge and One Stop Border Post (OSBP) Facilities, aimed at achieving a dramatic decrease in the amount of time required to cross the border. This major project, based on technical cooperation from the Japan International Cooperation Agency (JICA), included both construction of a new bridge and the introduction of OSBP facilities to streamline customs formalities.

The new two-lane bridge, built with high-level Japanese technology, eases passage by allowing twoway traffic. And the new OSBP complex reduces congestion and promotes smoother cross-border trade: Whereas previously it was necessary to go through customs separately on both sides, a process that could take about 14 hours, now the procedures can be completed more expeditiously in one stop. Over a period of eight years the Japanese government worked steadily with various government organs in Rwanda and Tanzania and with the East African Community (EAC), which has been promoting the adoption of the OSBP concept, to support the enactment of relevant legislation. JICA also assisted with the preparation of operational manuals and technical training for customs officials. On March 1, 2016, the long-awaited OSBP was inaugurated, greatly shortening the time required to clear customs. JICA estimates that in the first year of operation, the new facility will result in savings of USD 1.8 million in costs for round-trip transportation between the port of Dar es Salaam in Tanzania and Kigali, capital of Rwanda. And the improvement of the Central Corridor logistics network will promote the flow of goods and contribute greatly to the economic development and modernization of East Africa's inland nations.

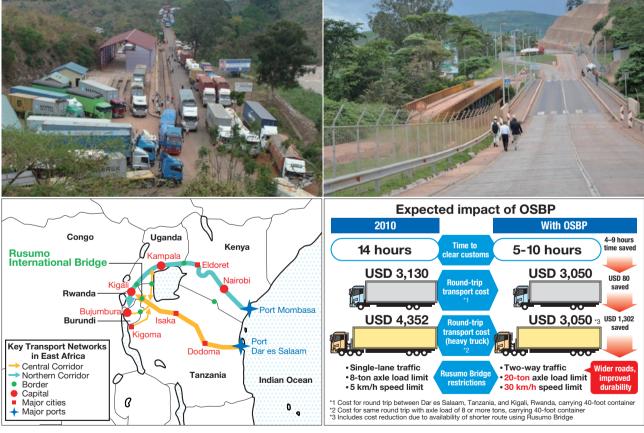
The project has also produced positive effects in enhancing the capabilities of the local engineers who were involved. Ryutaro Murotani, acting senior representative at the JICA Rwanda Office, notes, "Rwandan engineers who worked on this project have put their experience to work on another project: the construction of an OSBP on the border between Rwanda and Uganda." Representatives of local construction companies also report that working with a Japanese company on the bridge-building project offered them a good opportunity to learn Japanese civil engineering technology and high-quality construction techniques.

JICA'S goal is to see a uniform system of one-stop border posts adopted throughout Africa's distribution network so as to enhance the interconnectivity among the countries of the continent. The agency is now at the preparatory stage, working on a sourcebook together with the regional organizations and national government organs currently operating OSBPs based on their own systems. Support for the Rusumo International Bridge project has been a part of this undertaking, and the project's successful outcome will be a step toward further support for Africa's development.



<image>

1. Overview of the new Rusumo International Bridge and One Stop Border Post (OSBP) complex. The area beyond the curve in the river on the left is the site of the OSBP on the Tanzanian side of the border. 2. A commemorative panel at the approach to the bridge displays the flag of Japan along with those of Rwanda and Tanzania. Local university architecture students visited the site frequently to see the Japanese launching erection method used in constructing the bridge. 3. An engineer from a Japanese construction company (left) provides guidance to local engineers as they work together on the project.





4. Congestion on and around the old bridge. The Rwandan side of the border is in the foreground. On the far side, in Tanzania, a line of trucks wait to cross the border. The former bridge had an axle load limit of only 8 tons and the speed limit was 5 kilometers (3 miles) per hour; only one large truck at a time could cross it. 5. A view of the new bridge from the Tanzanian side. The yellow-fenced pathway-like structure on the left is the old bridge. 6. The major roadways for transport of goods from the Indian Ocean to inland areas. The Northern Corridor was formerly the most-used route, but two border crossings made it time consuming. With the inauguration of the new bridge and OSBP, the Central Corridor has come to play a much bigger role as a transport route. 7. Improvements expected to result from the project: In addition to the lowering of transportation costs thanks to the introduction of OSBP facilities, the opening of the new bridge will allow the passage of trucks heavier than the former limit of 8 tons.

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Fighting Infectious Diseases in West Africa

Japanese Support for an Advanced Research Facility

West Africa is constantly fighting against infectious diseases. Malaria, for example, causes more than 10,000 deaths a year in Ghana, and the country has around 270,000 people with the human immunodeficiency virus (HIV). In order to promote the sustained development of this region, it is necessary to fight and overcome these diseases. And since the infectious diseases of this region are repeatedly mutating and developing new routes of infection, it is essential to conduct a steady, long-term campaign against them locally, including activities to detect and promptly analyze viruses.

Bacteriologist Dr. Hideyo Noguchi was a pioneer Japanese researcher who conducted work on site in this region. He commenced his studies on yellow fever at a hospital in Accra, Gold Coast (now Ghana), in 1927, and he achieved numerous noteworthy results, including the discovery of the pathogen for yellow fever, before he was infected with the disease six months later and died there. For those accomplishments, he was nominated three times for a Nobel prize. In 1968 the government of Ghana requested Japan, Dr. Noguchi's home country, to assist in medical research on infectious diseases. The Japanese government responded by launching a program of technical cooperation that same year. In 1979 the Noguchi Memorial Institute for Medical Research (NMIMR), named in honor of Dr. Noguchi, was established in Accra with grant aid from Japan, and since then Japanese researchers have been dispatched to this institute on an ongoing basis.

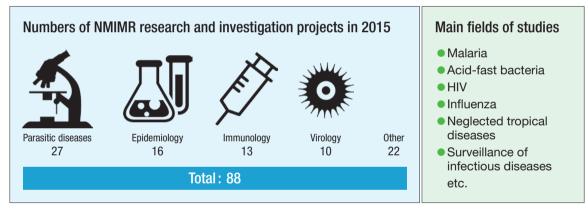
Researchers at NMIMR, while coping with frequent blackouts and inconsistent water supply, have been able to produce numerous successful results. One major field for research has been HIV, and in 1986 researchers in Ghana became the first to discover HIV-2, a strain of the virus concentrated in Africa. The institute has now firmly established itself as a key base for contagious disease research in West Africa.

Handling pathogens like HIV requires highly secure facilities. In 1999 NMIMR completed a research laboratory facility that meets the biosafety level 3 (BSL-3) standard of the World Health Organization (WHO). Because of this, in 2014 the institute was recommended by the WHO as one of the most critical institutions contributing to the fight against Ebola virus disease. And it supported work not just within Ghana but also in tandem with other West African countries on measures to deal with Lassa fever, which showed signs of an outbreak this year.

NMIMR's staff of 334 people includes 49 researchers from Ghana, other African countries, Japan, and elsewhere around the world, including France and the United States. Dr. Mitsuko Ohashi, a Japanese parasitologist who has been working at the institute for seven years, notes, "The researchers have high potential. The levels of personnel and research at NMIMR are world-class, and together we are producing results by serving as members of a team where we are improving ourselves through friendly rivalry."

In order to further strengthen the capacity of Ghana and West Africa as a whole to fight infectious diseases, the Japanese government has decided to provide grant assistance for the construction of a new facility at NMIMR, the Advanced Research Center for Infectious Diseases, scheduled for completion in August 2018. This center will enable even more precise detection and surveillance of pathogens with a BSL-3 compliant molecular biology lab with the latest devices. It is hoped that this will serve as a base for medical research and education for future researchers, thus helping to control the diseases that threaten humankind.





The number of studies conducted at NMIMR rose from 56 in 2010 to 88 in 2015. The main focus is infectious diseases, but studies have also been conducted on topics such as food safety and climate change.



5. On May 18, 2016, following a Japan-Ghana summit meeting in Tokyo, the two countries' leaders were present for an exchange of letters concerning grant assistance from Japan to Ghana. 6. Dr. Mitsuko Ohashi of Tokyo Medical and Dental University found the component to develop a drug effective against sleeping sickness made with Ghanaian medicinal herbs. Tokyo Medical and Dental University and NMIMR jointly applied for a patent for it in 2015. The application for an international scientific patent is a first for NMIMR.

Supporting Kenya's Human Resource Development

Training Personnel for the Future from a Private-Sector Perspective

The rapid development of African economies has created an urgent need to develop human resources with high levels of knowledge and skills in various fields. In Kenya, the long-term national strategy "Kenya Vision 2030" includes the goal of developing capacity to train global human resources.

Toyota Tsusho, a trading company that belongs to the Toyota Group, is undertaking a broad range of operations in Africa, focusing on business creation, human resource development, and social contributions. In Kenya, one of the principal countries for these operations, the company sees supporting the development of local human resources as a crucial activity for the advance of the country's economy, along with the expansion of its own business. With this in mind, in 1990 Toyota Tsusho joined with Toyota Motor in establishing the Toyota Kenya Foundation, which through fiscal 2015 has provided scholarship grants to 385 students. Some of them have gone on to take posts in Kenya's government after earning their degrees.

In addition, Toyota Tsusho has actively undertaken to provide training for local human resources; it set up a training center within its subsidiary, Toyota Kenya, to provide technical and management training for technical staff members of that company and of Toyota's official import and sales agencies and dealerships in East Africa. In July 2014, the center was moved and the program was substantially enlarged with the establishment of the Toyota Kenya Academy, a human resources training center situated within the Toyota Kenya Business Park in Nairobi, Kenya. Some of the courses have been made open to the general public. Masakazu Ohira, general manager of Toyota Tsusho's Africa Automotive Department, explains: "We thought we could contribute to Kenya's further development by providing training and education in a broad range of fields, not limited to the automotive sector."

The Toyota Kenya Academy offers courses in four major areas. In addition to courses that the previous center had been offering to technicians in the automotive field, the academy has been receiving cooperation from the Japan International Cooperation Agency (JICA) and Kenyan government organs in providing courses in entrepreneurship, agri-preneurship, and agri-mechanization. In the two years following its opening in 2014, 381 students have taken courses at the academy, and this September it plans to launch courses on Toyota's "Kaizen" process of workers onsite continuously brainstorming ideas to improve productivity and on the "plan, do, check, act" (PDCA) management cycle.

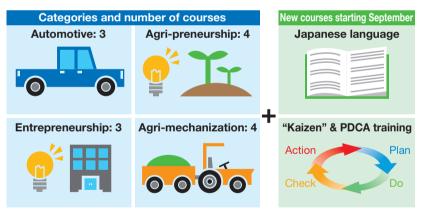
"At the Toyota Kenya Academy we're working not just to teach knowledge and technical skills but to have students learn how to solve problems on their own initiative," says Ohira. "Though it's only about two years since the academy was established, I can sense solid results, hearing from students that they have learned new ways of looking at things." He declares, "Kenya has many highly motivated individuals, and these people are taking advantage of our programs to learn and to achieve personal growth. We hope to create a solid success story here and then extend it to other African countries."

> Toyota Kenya Academy http://toyotakenyafoundation.org/





1. President Uhuru Kenyatta (seated at center) and other Kenyan government officials attended the opening ceremony of the Toyota Kenya Academy in July 2014. 2. Specially certified employees of Toyota Kenya serve as instructors. 3. The academy's curriculum is oriented to practical training. This young man is enthusiastically studying to become an auto repair shop manager.



The Toyota Kenya Academy currently offers 14 courses. This year it expects an enrollment of 750.

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4. The academy is located within the 60,000-square-meter Toyota Kenya Business Park, home to many Toyota Group facilities. 5. Masakazu Ohira, general manager of Toyota Tsusho's Africa Automotive Department, praises the diligence of the academy's Kenyan students.





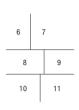
Moments of Prime Minister Abe

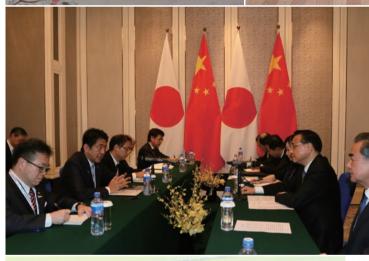




Prime Minister Abe visited Ulaanbaatar in Mongolia, where he attended the Asia-Europe Meeting (ASEM) and held meetings with leaders of other countries (July 2016). 1. Joint photograph. 2. With President Tsakhia Elbegdorj of Mongolia. 3. With Prime Minister Jargaltulga Erdenebat of Mongolia. 4. ASEM opening ceremony. 5. ASEM plenary session.

6. With Prime Minister Sheikh Hasina of Bangladesh. 7. With Prime Minister Nguyen Xuan Phuc of Viet Nam. 8. Summit meeting with Premier Li Keqiang of China. 9. With Prime Minister Hun Sen of Cambodia. 10. Leaders observing a moment of silence for the victims of the incident in Nice, France. 11. With Chancellor Angela Merkel of Germany.











1. Meeting with President Idriss Deby Itno of Chad in Nagoya (May 2016). 2. Meeting with President John Dramani Mahama of Ghana at the Prime Minister's Office (May 2016). 3. Prime Minister Abe attended a meeting of the Ministerial Council on the Terrorist Incident in Bangladesh at the Prime Minister's Office and offered a silent prayer for the victims, including the seven Japanese who lost their lives in the incident (July 2016). 4. Prime Minister Abe attended the Memorial Ceremony to Commemorate the Fallen on the 71st Anniversary of the End of the Battle of Okinawa, held in Okinawa Prefecture (June 2016). 5. Prime Minister Abe attended a ceremony at the Prime Minister's Office to present a certificate of appreciation to Tsuneo Kono and his wife Toshiko for their donation of JPY 400 million (USD 3.8 million) to the Fund to Support Children's Future, which aims to eliminate child poverty (July 2016).





Speeches of the Prime Minister

Remarks on the Attack in Nice, France, Delivered in Ulaanbaatar, Mongolia, July 15, 2016



Prime Minister Abe (left) at the Japan-EU joint press conference with European Council President Donald Tusk of the European Union (center) and European Commission President Jean-Claude Juncker of the European Union (right).

In Nice, a large number of people have become victims of an attack that appears to have been a cruel act of terrorism. I pray for the repose of the souls of those who lost their lives and also extend my sympathy to those who were injured, as well as the families of all those affected. Japan and France share universal values. We express our strong solidarity as France goes through this hardship. The people of Japan stand with the people of France. Despicable acts of terrorism that involve innocent people are absolutely unforgivable. I resolutely condemn them. Just now, at the ASEM Summit Meeting, the nations of Asia and Europe shared their strong indignation and also shared their will to cooperate in rooting out terrorism. Going forward, Japan will work together with the international community in fighting resolutely against despicable terrorist acts while working to put an end to terrorism. Speech at the Hiroshima Peace Memorial Ceremony, August 6, 2016

Today, at the opening of the Hiroshima Peace Memorial Ceremony on the 71st anniversary of the atomic bombing, I reverently express my sincere condolences to the souls of the great number of atomic bomb victims.

I also extend my heartfelt sympathy to those still suffering even now from the aftereffects of the atomic bomb.



On a bright sunny morning 71 years ago, the dropping of a single atomic bomb deprived people said to number well more than 100,000 of their precious lives and reduced Hiroshima to ashes in an instant. In this devastation, even those who narrowly escaped death experienced unbearable hardships.

However, thanks to the tireless efforts of its citizens, Hiroshima achieved reconstruction that transformed the city and admirably established its position as an International City of Peace and Culture.

This May, President Barack Obama visited Hiroshima as the first sitting U.S. president to do so. The president of the only nation to have used nuclear weapons witnessed the



realities of atomic bombings and, in the presence of atomic bomb survivors, appealed to the world to pursue a world free of nuclear weapons and strongly urged countries holding nuclear weapons to have the courage to pursue such a world.

I am certain that this, together with the G7 Foreign Ministers' Hiroshima Declaration, gave great hope to the people of Hiroshima and Nagasaki, as well as people throughout Japan and around the world, who have never given up their hope for "a world free of nuclear weapons."

The disastrous experiences that took place in Hiroshima and Nagasaki 71 years ago must never be repeated.

It is the responsibility of us who live in the present to keep making efforts continually towards that end. As the only country to have experienced the horror of nuclear devastation in war, Japan will appeal for the importance of maintaining and



strengthening the regime of the Treaty on the Non-Proliferation of Nuclear Weapons (NPT) while firmly upholding the "Three Non-Nuclear Principles." Japan will continue to make various efforts to bring about "a world free of nuclear weapons" by calling for cooperation from both nuclear weapon states and non-nuclear weapon states and having world leaders and young people become directly acquainted with the tragic reality of the atomic bombings.

In a year in which we will take a new step forward, I pledge once again here in Hiroshima that Japan will make its utmost efforts for the realization of eternal world peace.

Japan has enhanced its comprehensive relief measures covering health and medical services and welfare for atomic bomb survivors on the basis of the Atomic Bomb Survivors Relief Law. We will steadily promote relief measures by continuing to take into proper consideration the circumstances of atomic bomb survivors, who are advancing in years. We are working in particular to conduct screenings for recognizing atomic bomb diseases as quickly as we can so that we can convey the results as soon as possible.

I wish to conclude with my heartfelt prayers for the repose of the souls of those who fell victim to the atomic bombing here in Hiroshima, where people continue to pray for eternal peace. I also extend my best wishes to the bereaved families and to the atomic bomb survivors and pray sincerely for the inner peace of all the participants today and the people of Hiroshima City.

Japanese Individuals Contributing Worldwide

Addressing Poverty in Africa by Promoting Growth of "Miracle Rice"

New Rice for Africa (Nerica), also called "miracle rice," is helping to address the issue of poverty in Africa. Rice is a luxury food that people can eat only on special occasions in many African countries. It has high nutritional value, and it serves as a valuable source of income for farmers. Japanese agronomist Tatsushi Tsuboi has been working for more than 20 years to promote the spread of rice cultivation. Known as "Mr. Nerica," he rigorously follows an approach based on going out into the field to provide guidance; so far he has trained about 50,000 local farmers.

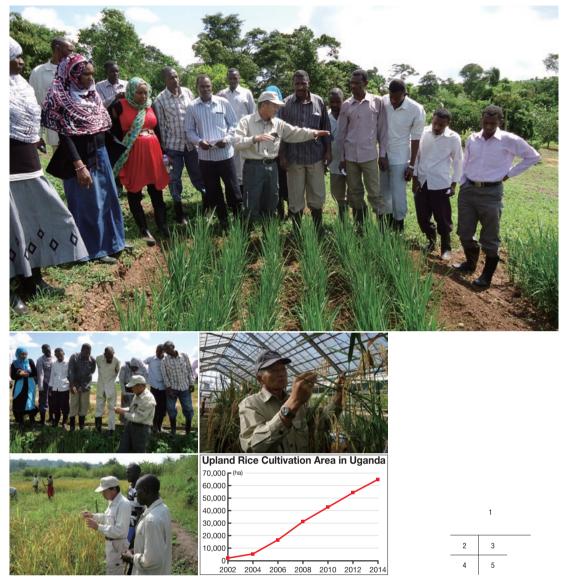
From 1981 Tsuboi worked as an agricultural specialist for the Japan International Cooperation Agency (JICA) providing guidance on rice cultivation through persistent efforts in countries including Indonesia, the Philippines, and Côte d'Ivoire. In 1992 he learned of the existence of Nerica from Dr. Monty Jones of the West Africa Rice Development Association (WARDA), who showed him this hybrid that he had just succeeded at producing. It is a cross between pest- and drought-resistant African rice and high-yield Asian rice, combining the strengths of both. It can be harvested twice a year under local climate conditions. Tsuboi explains, "Nerica grows even in moist lowland locations unsuited to use as fields for other crops, and it can be planted in the gaps between crops like coffee and bananas. After growing it experimentally in various locations, I became confident that this strain of rice could help resolve Africa's poverty issues, and I decided to work at spreading the cultivation technology."

In 2004 the Japanese government decided to dispatch an expert to Uganda to support the spread of Nerica, and Tsuboi was selected for this role, serving as a JICA expert on Nerica adaptation. Study results had indicated that among the countries of Africa, Uganda is best suited to Nerica cultivation in terms of the climate and environment of its relatively dry upland area. So the idea was to start with an initiative aimed at producing a success story there.

Tsuboi set up a rice cultivation research section to study Nerica at Uganda's National Crops Resources Research Institute (NaCRRI), and this served as the base for guidance activities covering everything from the sowing of seeds and the care of the rice plants through the harvesting of the rice. Tsuboi developed a distinctive program to promote the spread of Nerica. He gives each farmer who participates in his training sessions 1 kilogram (2.2 pounds) of seed rice, enough to produce a harvest of 50 kg (110 lbs.) or more of unhulled rice. And each farmer is asked to give 2 kg (4.4 lbs.) of seed rice from what he harvests to neighboring farmers. The experience of growing rice on their own enhances farmers' technical capabilities, thereby leading to an increase in the rice cultivation area.

The circle of Nerica-growing farmers is continuing to extend steadily, and over the 10 years after Tsuboi took his post in Uganda, the upland rice cultivation area grew from 5,500 to 65,000 hectares (13,600 to 160,000 acres). Farmers tell Tsuboi that the income from their rice sales has helped them, for example, by letting them send their children to high school or by making it possible for them to have mobile phones.

Tsuboi is optimistic that Nerica will bring a brighter future to Africa. "Over the past thirteen years I've trained more than 2,000 African researchers and extension workers. I want to keep up my activities until the day comes when Nerica will have spread throughout Africa and the issue of poverty is resolved." Today he continues to work under the African sun, spreading rice cultivation technology.



1 & 2. Tsuboi provides guidance in Uganda. In addition to guidance for farmers, Tsuboi, operating from a Nerica rice-growing test station in Uganda as his base, trains extension workers and researchers. He has trained over 2,000 such professionals in countries around Africa. 3. Tsuboi conducts a study at the experiment station. Of the 18 varieties of Nerica that have been developed, Nerica 4 is the most widely cultivated. 4. In his training for farmers, Tsuboi provides detailed instructions, such as the best depth for planting the seeds and the best amount of space between the rice plants. Proper growing techniques can increase harvests by a significant multiple. 5. When Tsuboi came to Uganda in 2004, Nerica was being grown on 5,500 hectares (13,600 acres) in upland Uganda, but the cultivation area has increased steadily and rapidly, reaching 65,000 ha (160,000 acres) in 2014.

Tatsushi Tsuboi

Joined the Japan Overseas Cooperation Volunteers (JOCV) in his twenties. Conducted activities to support rice cultivation in the Philippines and has since been involved in similar activities for over 35 years in Asia and Africa. In 2004 he was posted to Uganda, where he led the program to spread Nerica. He continues to provide guidance on rice cultivation, traveling to countries around Africa.



Developing "Farming as a Business" in Kenya

Farming is the backbone of Kenya's economy. It accounts for 65% of the country's foreign currency earnings and employs about 80% of the population. The scale of operations remains small, however, with 75% of the marketed crops grown in smallholder family farms. Until about 10 years ago, farmers had no choice but to sell their crops to middlemen at prices set by the latter, and their incomes were inadequate. To address this issue, since 2006 Japan has been cooperating with Kenya in implementation of the Smallholder Horticulture Empowerment Promotion (SHEP) approach, which aims to increase farmers' incomes.

Arisa Kikuchi, an employee of the Japan International Cooperation Agency (JICA) on the front lines of SHEP implementation in Kenya, explains that the approach aims to develop local farmers' capabilities so as to transform their activities into "farming as a business." The first key element of this approach is to hold gatherings to bring farmers together with people in the horticultural industry. Through such meetings, farmers become able to understand the market actors' needs and expand their network. This helps them to select suitable buyers for their produce and to buy seeds and fertilizer at lower prices through group purchasing.

The second key element of the approach is to conduct market surveys by groups of farmers to determine which crops would be more marketable. Having information about demand in the market allows farmers to make more concretely informed decisions about what to plant in the next growing season. Kikuchi notes: "In other projects, market surveys are commonly conducted by consultants, but in the SHEP approach the focus is on survey activities conducted by farmers themselves. This requires the provision of detailed support, which is the core of Japan's technical assistance, and it's essential as a means of making the SHEP approach take root locally and become sustainable."

The gender training conducted as part of the SHEP approach is an important means of raising farmers' incomes. In many Kenyan farming households, males tend to handle the decision making about what to plant and what to buy; relatively few couples discuss such matters and decide jointly. "Gender training sessions lead to more discussion between husbands and wives, with husbands becoming more likely to share the chores previously handled mainly by their wives and to consult with their wives when deciding what equipment they should buy. When a couple buys a water tank at the wife's request, her water-drawing burden is lightened, and she can devote the saved time to farming, which leads to more income."

These activities have been steadily producing results. From 2011 to 2014 the real horticultural incomes of the targeted farming households rose by 58%. And people report that their lives have improved, saying, for example, that they have become able to send their children to a private middle school or that they used their earnings to start a new business. Kenyan government authorities have recognized that the SHEP approach is effective in increasing farmers' incomes, and from 2010 to 2015 it was implemented in 33 out of the nation's 47 counties.

Africa's population is expected to double to 2.4 billion by 2050. With the continent's future in mind, Kikuchi expresses her determination: "Developing manufacturing industry is important in terms of creating jobs and achieving economic growth, but for many African countries farming continues to be a key sector employing the largest number of people. I hope to be involved in activities that will support the livelihoods of smallhold farmers, who account for large shares of countries' populations, by further extending the establishment of 'farming as a business.'"











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1. Kikuchi organizes training aimed at extending the SHEP approach to various African countries, together with SHEP Team members consisting of government officials in Kenya and JICA experts. 2. A local market: Through SHEP activities farmers developed direct connections with the market and became able to choose buyers offering higher prices rather than relying just on middlemen. 3. At gender training sessions for farming couples, husbands and wives are asked to write down the contents of their spending and of their everyday chores so as to make this information visible. The attitudes of husbands reportedly change as they focus on achieving the couple's shared goal of increasing their income. 4. Real horticultural income per farmer increased by 58% from 2011 to 2014.

Source: Data collected by SHEP Team by interviewing farmers and extension officers.

Notes: Figures have been adjusted for consumer price inflation. 10,000 Kenyan shillings = approx. USD 120 as of March 2014.

Arisa Kikuchi

Completed graduate studies in agriculture. As she studied the connections between farmers and markets, she aimed to become involved in international cooperation activities based on agriculture. In 2009 she joined JICA, where she initially worked in the area of South Asian farming and rural development. From 2014 to 2016 she was stationed in Kenya, where she conducted activities as a project expert promoting the SHEP approach.



Cutting-Edge Technologies

KOKO Plus: Improving the Nutritional Status of Infants in Ghana

Malnutrition in infants can easily occur in areas where protein intake is dependent on grain. In Ghana, the traditional weaning food "koko," a porridge made with fermented corn and sugar, tends to be deficient in nutritional elements necessary during the weaning period. For example, infants may not be able to take in enough of the essential amino acid lysine, and this lack can result in delayed growth. "The first thousand days from conception to a child's second birthday are an extremely important time, and delay in growth due to malnutrition during this period is extremely difficult to regain later," says Dr. Yasuhiko Toride, senior manager of the R&D Planning Department at Ajinomoto.

Ajinomoto launched its *umami* seasoning product made from glutamine acid in 1909, and since then it has accumulated expertise on amino acids. With regard to lysine, nutritional assessment tests that were commenced in 1995 confirmed that the substance has a positive effect on a person's state of health. Ajinomoto has a 50-year history of producing lysine, and in recent years it has become able to do so more efficiently with a fermentation method based on biotechnology.

In 2009, as one of the initiatives commemorating its centenary, Ajinomoto launched the Ghana Nutrition Improvement Project, aiming to utilize its vast store of knowledge on food products and amino acids to help solve problems that developing countries are facing. This project, led by Dr. Toride, developed KOKO Plus, a supplement to be added while cooking koko. The main ingredient is soybeans, which are locally grown, together with an amino acid (lysine) and micronutrients (vitamins and minerals). Palm oil and sugar are added to get the taste just right.

Ajinomoto has positioned this project as a social business, aiming to establish it as a sustainable business in Africa, and has been advancing it based on collaboration among the government, academia, and the private sector.

Dr. Toride explains, "Since taste is an important factor in assuring that infants will keep eating the product, we developed it in line with local needs through collaboration with the Department of Nutrition and Food Science at the University of Ghana." Production is carried out together with a local food company. For distribution, Ajinomoto teamed up with a nongovernmental organization implementing a program supporting self-reliance for women, creating a system under which saleswomen sell the product person-to-person while promoting public awareness. Dr. Toride says this has been very effective in boosting demand. Also the government of Ghana is cooperating through the provision of education on nutrition.

Over a period of three years starting in 2013, a study was conducted on 900 infants to confirm the nutritional benefits of KOKO Plus. The results suggest that the supplement can be effective against problems such as stunting and anemia.

Dr. Toride shares his hopes: "I want to quickly establish this initiative on nutrition improvement as a sustainable business model and to extend it to neighboring countries. And building on our achievements with our supplement for weaning food, I hope we can undertake a project to improve nutrition for mothers as well." Malnutrition in infants causes delayed growth

40 (%) 30 Stunting 30 Wasting 20 0 6 6-8 9-11 12-17 18-23 24-35 36-47 48-59 age (months)

Malnutrition in infants being weaned at six months and up is a cause of delayed growth, with 10%-15% of those in the 6- to 11-month age group being underweight. Of toddlers in the 2- to 3-year age group, 30%-40% have stunting. Source: Ghana Health Service.

Koko KOKO Plus vitamin E 100(%) vitamin B1 vitamin K 80 60 40 vitamin B6 vitami B5 20 vitami B2 vitamin B12 vitamin C vitamin B3 vitamin M (folic acid)

The nutritional composition of koko and of koko supplemented with KOKO Plus, calculated as percentages of the World Health Organization's infant feeding recommendation.



1 2 3 4

 Thorough research on local needs. 2. Working on the production process with a local company.
Raising awareness among mothers with infants. 4. Sales network made up of local saleswomen. Advice from mothers who have experienced the benefits of KOKO Plus is proving effective.



5 6

5. KOKO Plus package. 6. Yasuhiko Toride, senior manager of the R&D Planning Department of Ajinomoto, with a doctorate in agricultural chemistry, has led the Ghana Nutrition Improvement Project.

KOKO Plus improves nutritional balance

Friends of Japan



Mansour Diagne

Born in Senegal. Majored in agricultural economics and agribusiness at the University of Jordan. Since coming to Japan in 1992, he has improved his Japanese language skills through movies, literature, and manga, to achieve Level 1, the top certification level, in the Japanese-Language Proficiency Test. Active in a wide range of fields including language teaching and business interpreting. Currently busy combining work with taking care of his children. He loves the Japanese comedy-drama movie series *Otoko wa Tsurai yo* (It's Tough Being a Man), which depicts the travels of a vagabond merchant among warm-hearted common people.

Bringing Lights to Africa

Mansour Diagne enjoyed watching Japanese anime and reading Japanese manga as a child. Japan had always been a country that he adored and longed to visit. His wish came true when he came to Japan while his uncle was posted to the Senegal Embassy in Tokyo. Diagne is fluent in French, Arabic, and English, and has taught at language schools as well as appearing on Japanese television as a TV personality. While doing various kinds of work in Japan, he fell more and more in love with the country and its people. "Japanese people have respect for others and consider how the other person feels. I feel that they are the most mature people in the world. As I followed their example, other non-Japanese said 'You are a black samurai!" Diagne said, laughing.

Working as an interpreter at a show about solar power generation held in Japan in 2013 opened a door for Diagne to become an employee at a subsidiary of Koyo Corporation, a company that handles solar power generation and various other kinds of renewable energy business. The company already had a desire to contribute something to the world through business, and when Diagne entered the company, it provided a chance to turn their attention to Africa. Thus began a project to improve electrical power infrastructure in an effort to deliver lighting to all areas of Africa, which still has an electrification rate of just 30% on average. Diagne is currently actively involved in this project. "As an African person, I think that to use the natural gas in various areas across Africa for local production and local consumption to supply electricity for the entire African continent is the most wonderful idea. Originally, this plan was made by our Chairman and CEO Norio Shoji, and I totally agreed with it," he said. Diagne is making full use of his contacts and has taken on the major role of being a guide familiar with the local environment, as well as promoter, to make this project reach fruition.

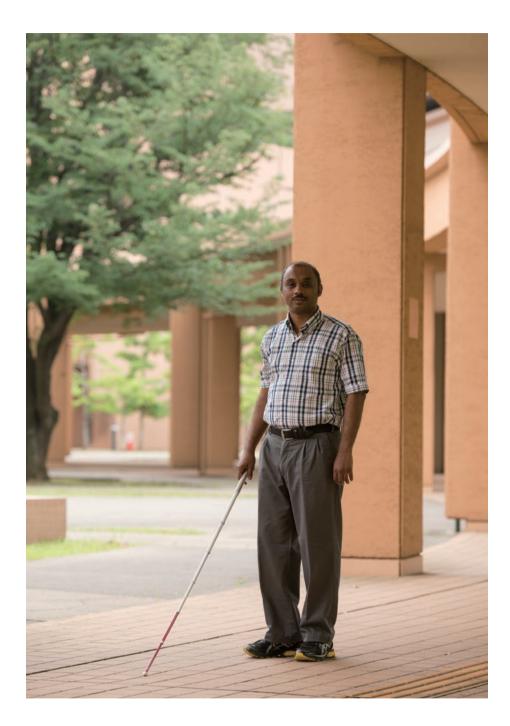
Looking back on his life in Japan, Diagne observes with a warm expression, "I've had to work hard at everything, but so long as I hold firm, I can make a decent living. And I've never run into racial discrimination." He hopes that Japan and Africa will enjoy closer relations in the future and has great expectations for the Japanese government's African Business Education Initiative for Youth (ABE Initiative), which will provide opportunities for African youth to earn graduate degrees at Japanese universities and to engage in internships at Japanese companies. Koyo Corporation has accepted five interns from Burundi, Mauritania, Mozambique, Nigeria, and Tanzania for the summer of 2016. Diagne stated, "There are many things in Japan for Africans to learn about. That includes not only the country's advanced technologies but also its people's management skills and habit of always being punctual. If Africans could acquire these qualities then each country in Africa would become much stronger and achieve major growth." While dreaming of the day when each African country achieves major development, Diagne intends to spare no effort in his role as a guide to help make that dream come true.

About the ABE Initiative

The African Business Education Initiative for Youth (ABE Initiative), proposed by Prime Minister Abe at TICAD V in 2013, offers opportunities for 1,000 young African men and women to earn master's degrees and undertake internships in Japan; 473 participants from 33 countries have come to Japan so far.

Participants in the ABE Initiative Master's Degree and Internship Program at a welcome reception in 2014. (Photo: Shinichi Kuno/ JICA)





Mohamed Omer Abdin

Born in Khartoum, capital of Sudan, in 1978. Visually impaired since birth, he became legally blind at the age of 12. At the age of 19, while still enrolled at the University of Khartoum's Faculty of Law, he came to Japan to study braille, acupuncture, and moxibustion at Fukui Prefectural School for the Visually Impaired. He subsequently enrolled in the Tokyo University of Foreign Studies, where he earned his doctorate in Peace and Conflict Studies and is currently a specially appointed assistant professor.

Falling for Japan, Sight Unseen

Mohamed Omer Abdin is a specially appointed assistant professor at the Tokyo University of Foreign Studies who arrived in Japan from Sudan in 1998. Legally blind, Abdin first came to Japan to study acupuncture and moxibustion at a school for the visually impaired offering courses in this field to international students.

"At that time, the civil war in Sudan was intensifying and the university I had been attending closed its doors," Abdin recalls. "I thought of going to Japan, an advanced country that excels in manufacturing, as a way to break free of my current situation."

After completing his studies in acupuncture and moxibustion at Fukui Prefectural School for the Visually Impaired, Abdin went on to study information processing at the Tsukuba College of Technology, a school for students with visual and hearing impairments.

"I learned how to use screen reading software and gained access to a much wider range of information. Staying in Japan, I thought, would let me broaden my studies even further."

Hoping to study everything from politics to literature, Abdin enrolled in the Tokyo University of Foreign Studies, where he has now spent more than a decade. Japan's language and environment are very different from Sudan's. But Abdin says that he never felt like giving up and returning to his home country.

"I was very fortunate in the families who welcomed me in for homestay and the friends I made, so I never felt lonely. I cannot see people, but I can sense the warmth in them—the leisurely, gentle feel of the Fukui dialect, for example. Most importantly, in Japan I was given a place to study and live, and new possibilities opened up for me."

Abdin decided to take on new challenges in Japan, becoming a university instructor in order to put his knowledge to work. Currently, alongside his research into the conflict in Sudan, he teaches African politics and related subjects at the Tokyo University of Foreign Studies. He believes that he can make good use of his perspective as a person born in a conflict zone in teaching Japanese students about conflict resolution.

"Sudan's civil strife is not something unrelated to life in Japan. If younger people take an interest in it, this can only influence our shared future for the better. In my lectures I make efforts to have students feel a sense of immediacy as they discuss Africa, even though it is geographically distant from Japan. And I've been delighted when they ask questions that even I can't answer, because that proves that they've come to think deeply about the material."

In his private life, Abdin is married to a woman also from Sudan. Together they have three children. "Her miso soup is delicious, but I was taken aback when she served it with bread," he laughs. However, his wife has now mastered a range of Japanese dishes, from grilled fish to *ohitashi* stewed vegetables.

Living as a family has also helped him feel a sense of connection to Japanese society. "The Japan that has given me so many opportunities to thrive over the years now faces social problems of its own. I would like to contribute even in a small way to solving those problems. I also want to help create a society in which people with disabilities can make the most of their strengths."

Abdin's face seems to glow in anticipation of the future roles he may be able to play in Japan.



Goodfriday Yamungo Chikwezga

Born in the Karonga district of Malawi. Became interested in environmental studies after working with Japan International Cooperation Agency (JICA) volunteers who were helping develop a molecular biology research center at Chancellor College in Zomba. Impressed by Japan's technological expertise, joined the ABE Initiative. Currently a master's student at the University of Tsukuba's Graduate School of Environmental Sciences.

Partnering with Japan for Sustainable Resource Use in Malawi

"Malawi needs to implement sustainable use of the nation's natural resources, which along with the environment have been under strain from population growth and other issues." So explains Goodfriday Yamungo Chikwezga, a master's student at the University of Tsukuba's Graduate School of Environmental Sciences. Chikwezga came to Japan in October 2015 through the Japanese government-sponsored African Business Education Initiative for Youth (ABE Initiative). Under this initiative, Chikwezga, who in Malawi is a teacher trainer at Domasi College of Education in the southern city of Zomba, will earn an advanced degree in environmental science while developing business and marketing skills through internships at Japanese companies and by attending business seminars.

Chikwezga joined the program out of a desire to "help Malawi achieve greater sustainability." Malawi receives development aid from various overseas sources, including the Japan International Cooperation Agency (JICA), but Chikwezga understands the necessity of the country being able to better address sustainability issues on its own. He intends to apply the knowledge and experiences he gains in Japan toward Malawi's national Science and Mathematics in Secondary Education Program so as to enable his homeland to more fully utilize its local human resources.

Sustainability is vital to improving the livelihood of Malawians, many of whom are heavily reliant on agriculture and fishing. Chikwezga can be expected to play a vital role in government efforts to find new techniques to help those dependent on land and water resources garner larger returns while ensuring sustainable use of these assets.

As part of his studies Chikwezga is working with Japanese researchers in Tsukuba monitoring phytoplankton in fresh water ecosystems. The approaches they are using will provide a new tool for evaluating Lake Malawi's ecosystem beyond standard measurements. "The methods I'm learning will allow us to directly monitor the impact of external factors and provide a clear guideline for when to introduce mitigation measures," he explains.

Chikwezga is also studying Japanese agricultural approaches for improving irrigation, production, and processing. In September he will travel to Okinawa Prefecture to study farming and agroprocessing techniques. He also has interned at a firm that manufactures pest control tape. He admits that he was unfamiliar at first with many of the methods and devices commonly used in Japanese laboratories and firms. However, he notes that his Japanese colleagues have provided assistance at every turn. "If I were to use one word to describe Japan and people here, it is just 'friendly,'" he says with a smile.

In addition to pursuing technical and business training, Chikwezga is working to build a vibrant network of collaboration between Malawi and Japan. "Going forward, I will act as a bridge between the academic and business partnerships I am building here in Japan and smallholders, enterprises, and research institutes in Malawi."

The JET Programme: A Great Way to Experience Japan

Sharing from the Heart Across Continents

I was active in theater as a freelance actress in my hometown of Cape Town, South Africa, so it is not surprising that I was initially connected with Japan through movies. I saw my first Japanese film in 2006, and while the story was average, I was captivated by one of the actors and quickly became a fan. Yearning to learn more about Japan, I joined Nihongokai, a local language school, where I studied Japanese and participated in cultural activities.

The cultures of Japan and South Africa are different in many respects, but they both share rich culinary histories. I visited Japanese restaurants with other Nihongokai members and enjoyed different cuisine, such as sushi, and also prepared dishes for friends and family, including *agedashi tofu*, a savory, deep-fried tofu. Since arriving in the country on the Japan Exchange and Teaching (JET) Programme in 2012, I have sampled a wide range of Japanese dishes and



Larissa Hughes

Born in Cape Town, South Africa. Arrived in Japan as a JET participant in 2012. Prior to coming to Japan, she was a theater actress and toured widely throughout her home country.

have also shared South African–style fish and chips, peppermint crisp tart, and other flavors from home with those around me.

I chose to participate in the JET Programme to experience Japan firsthand. I have recently begun my fifth and final year as an Assistant Language Teacher (ALT) at Nabari Seiho High School in Mie Prefecture. One of the most fulfilling aspects of my job is learning how students view the world and helping them express their ideas succinctly in English.

A crucial element of this has been the introduction of debate in class. In preparing, students must consider topics from multiple angles, a task requiring them not only to stay up to date with current events but also to search for information in books and online in Japanese and English to learn how other cultures view various issues. I enjoy engaging students in their writing and have been involved in developing a writing code that enables them to hone their arguments over multiple drafts. Students have gained confidence, are better at expressing their ideas, and their worldviews have expanded. In addition, I have seen a marked improvement in writing skills and higher scores on language proficiency exams.

In my free time I enjoy exploring the beautiful countryside around Nabari on foot. As I traipse through a quiet hamlet, locals are often surprised to see me, but I relish those special moments when a person will let go of their inhibitions and interact on a one-to-one basis. During such moments I sincerely enjoy the politeness of Japanese customs and the way people consider the feelings of those around them.

I look forward to sharing my JET experience with people in my homeland as well as those from other countries. I have been impressed by the way schools in Japan look after the needs of students, with teachers forging very close bonds with their charges. I hope someday to help promote a similar system in South Africa, which due to economic and other issues suffers from a disparity in educational opportunities, and provide all schoolchildren a safe, supportive learning environment.





Hughes helps third year students with pronunciation as they read an English text about a microcredit program.



The JET Programme official website http://jetprogramme.org/en/

Websites

Official Websites of the Government and Related Organizations

The following websites offer information from various ministries, information for tourists, and other information relating to the contents of this magazine.

Prime Minister of Japan and His Cabinet



Cabinet Public Relations Office, Cabinet Secretariat

Information in English about Japanese government policies, speeches and statements by the prime minister, and press conferences by the chief cabinet secretary.



http://japan.kantei.go.jp

https://www.facebook.com/Japan.PMO

https://twitter.com/JPN_PMO

Japanese Government Internet TV



Public Relations Office, Cabinet Office

Videos from the Japanese government relating to the prime minister, press conferences by the chief cabinet secretary, videos of the imperial family, and more.



JNTO (Japan National Tourism Organization)



Japan National Tourism Organization (JNTO)

Information about tourism in Japan, including videos and photos. In English and many other languages, including Chinese, Korean, French, and German



http://www.jnto.go.jp/



http://www.jnto.go.jp/eng/fb/index.html

(US) https://twitter.com/Visit Japan

JETRO (Japan External Trade Organization)



Japan External Trade Organization (JETRO)

Information about how JETRO supports Japanese companies overseas, attracts foreign companies to the Japanese market, contributes to Japan's trade policy and conducts activities in developing countries.



http://jetprogramme.org/en/







Ministry of Foreign Affairs of Japan



Ministry of Foreign Affairs

Information from Japan's Ministry of Foreign Affairs, with links to embassies and consulates overseas



JET (Japan Exchange and Teaching) Programme



Council of Local Authorities for International Relations (CLAIR)

Information about the Japan Exchange and Teaching Programme.

| | (US) https://twitter.c |
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Publications

Official Publications from the Government and Related Organizations

The government of Japan and various organizations publish the following periodicals.





"METI Journal"

Explains policies being instituted by the Ministry of Economy, Trade, and Industry (METI) in an easy-to-understand manner.

http://www.meti.go.jp/english/publications/

Bimonthly

Japan National Tourism Organization

"Monthly Web Magazine"

Each issue provides seasonal and updated information on three select features.

http://japan-magazine.jnto.go.jp/en/

Monthly



Ministry of Defense

HTML

Nuclear Regulation Authority



"F1 Issues Fukushima Daiichi NPS's Issues"

This releases information about the Fukushima Daiichi Nuclear Power Station, such as details about the monitoring of seawater since the accident caused by the Great East Japan Earthquake and subsequent tsunami.

http://www.nsr.go.jp/english/

About once a week



"Japan Defense Focus"

A monthly magazine that introduces various activities of the Ministry of Defense and Self-Defense Forces.

http://www.mod.go.jp/e/jdf/ index.html#sub01





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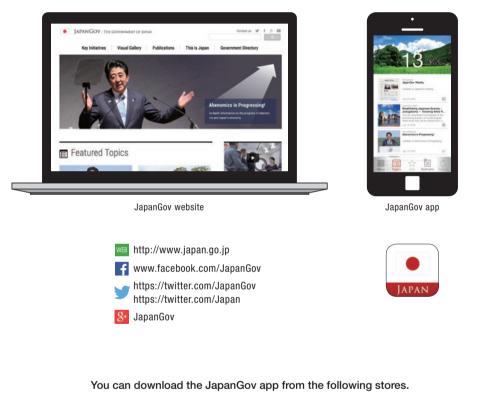
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https://www.kantei.go.jp/foreign/forms/comment_ssl.html

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The Government of Japan Website and App









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