



Juntos!! Japan-Latin America and the Caribbean Exchange Program
Program of Online Visit to Japan (Theme: GX and DX) Report

1. Program Overview

【Objective】 This online visit program, learning Japan's advanced technology and countermeasures against global warming, was implemented for Latin-American alumni who visited Japan through the Juntos!! Japan-Latin America and the Caribbean Exchange Program in the past. The objective of the program at this time is primarily intended to increase their interest in Japan and to create an opportunity to discuss the utilization of the technology in their countries.

【Participants】 Alumni (participants of FY2015 to FY2021) of Juntos!! Japan-Latin America and the Caribbean Exchange Program

Total 9 alumni (undergraduates, graduate students, and working youths from Argentina, Ecuador, Guatemala, Saint Christopher and Nevis, Trinidad and Tobago, Barbados, Brazil, and Honduras; including online visitors)

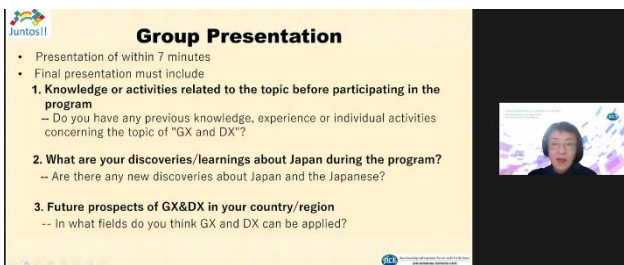

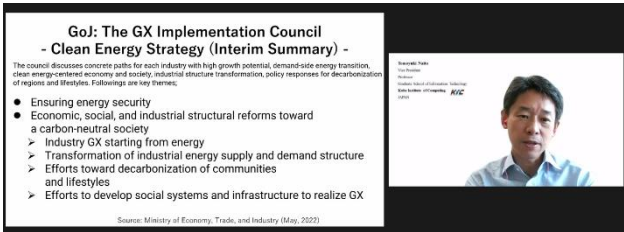
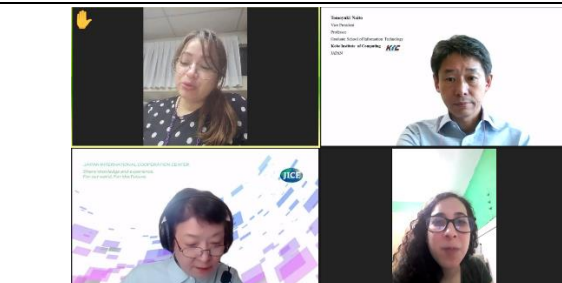


【Program Schedule】



Date Location	Program contents	Participants' questions and reactions (number of participants)
Day 1 October 25, 2022	【Orientation】 【Workshop】 1. Opening address 2. Overview of Juntos!! Program 3. Programs by group (self-introduction and assignment of roll) 2 groups 4. Group photo	In the orientation, the general announcement on the features of the program and the explanation on the Workshop were provided. During the workshop, for the purpose of the exchange and network building among the participants, an opinion exchange session for participants was held, where they summarized and consolidated the background information and knowledge that they learned in the past programs. (8 participants)
Day 2 October 26, 2022	【Theme related lecture, Q&A Session, Exchange of Opinions】 1. Lecture “GX ^(Note1) and DX ^(Note2) - Japan's	In the lecture, they learned about Japan's measures for GX and its cooperation in IT technology for Latin American countries, to get an idea of how to apply them to their

Hyogo Pref.	<p>Policy and Strategy”</p> <p>Lecturer: Prof. NAITO Tomoyuki, Vice President and Professor, Kobe Institute of Computing</p> <p>(Note1) GX (Green Energy Transformation): Initiative to transform the industrial structure by using environmentally friendly advanced technology.</p> <p>(Note 2) DX (Digital Transformation): Transformation of conventional business and organizations to newly generate additional value in the advanced potential market with the progress of digitization through the utilization of cutting-edge digital technology.</p> <p>2. Q&A Session</p> <p>3. Exchange of opinions on the lecture</p>	<p>countries.</p> <p>They also considered the cooperative relationship on GX and DX between Japan and the Latin American countries, and their questions went into depth, such as asking the importance of promoting GX and DX in association with cultural aspects. (9 participants)</p>
Day 3 October 27, 2022 Hyogo Pref.	<p>【Theme related lecture, Exchange of Opinions, Q&A Session】</p> <p>1. Lecture</p> <p>“Green Financial Inclusion ~Leaving no one behind financially~”</p> <p>Lecturer: Mr. Kgosana Katlego Segabadele Richard, Graduate Student, Kobe Institute of Computing iCraft Corp.</p> <p>2. Exchange of opinions on GX and DX in the surroundings</p> <p>3. Q&A Session</p> <p>4. Exchange of opinions on lecture</p>	<p>There was a lecture that served as an opportunity to deepen their understanding of Japanese IT technology and to consider the utilization of Japan’s knowledge and technology for their countries.</p> <p>During the opinion exchange, they learned from some cases of GX and DX in Japan and discussed the cooperative relationship between Japan and their own countries.</p> <p>There was some feedback indicating that they had not thought of the significance of carbon dioxide emissions and recycling and the impact they have on business finance, and some remarks on specific cases and issues of GX and DX in their homelands and the solutions for them. (5 persons)</p>
Day 4 October 28, 2022	<p>【Workshop】【Reporting Session】</p> <p>1. Group discussion</p> <p>Theme</p> <ul style="list-style-type: none"> Pre-program knowledge and activities with respect to the themes 	<p>After summarizing in the workshop the information and knowledge on Japan that they learned during the program to prepare for the presentation, they introduced their outcomes and future</p>

	<p>(presence of background information on GX and DX in their countries and personal activities and knowledge)</p> <ul style="list-style-type: none"> • Learning and discovery in the program (new discovery about GX and DX) • Future prospect of GX and DX (fields to make use of GX and DX) <p>2. Group presentation (1 group)</p> <p>3. Commentary</p> <p>4. Group photo</p>	activity plans in the reporting session. (3 participants)
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2. Program Photos

	
October 25, 2022 【Orientation】	October 25, 2022 【Programs by Group】
	
October 26, 2022 【Lecture】	October 26, 2022 【Q&A session】
	
October 27, 2022 【Lecture】	October 27, 2022 【Opinion Exchange, Q&A session】

	
October 28, 2022 【Reporting Session】	October 28, 2022 【Reporting Session】 Commentary

3. Voices from Participants (excerpt)

◆ Working Youth (Trinidad and Tobago)

It was an excellent program. I really liked the realistic atmosphere where I communicated directly with lecturers and other participants.

◆ Working Youth (Trinidad and Tobago)

I learned a lot about GX and DX. This program allowed me to learn what I had not known has existed in my country.

Working Youth (Trinidad and Tobago) It was wonderful to be reunited with my co-participants in the previous exchange program. I would have deepened my understanding better if I had received the materials on the lectures in advance.

◆ Working Youth (Saint Christopher and Nevis)

I would like to learn more about GX.

◆ Working Youth (Honduras)

I was satisfied with the themes and lectures.

4. Voices from the Receiving Parties (excerpt)

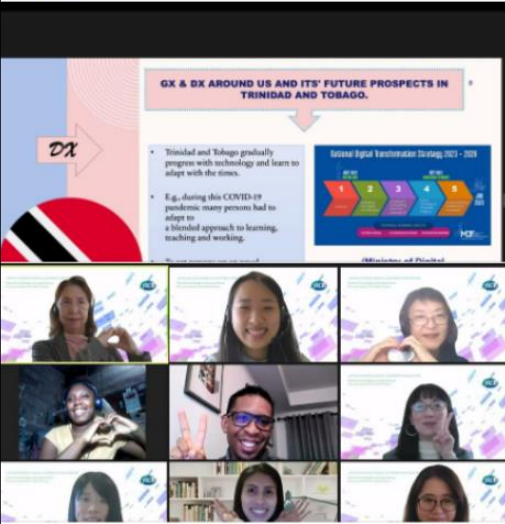
◆ Lecturer

I found the enthusiasm of participants greater than I had expected. I was convinced that the staff had thoroughly prepared for the implementation.

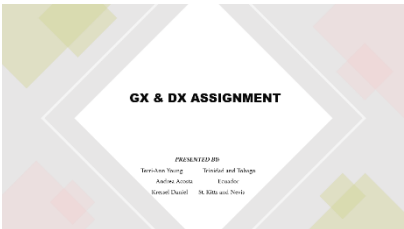
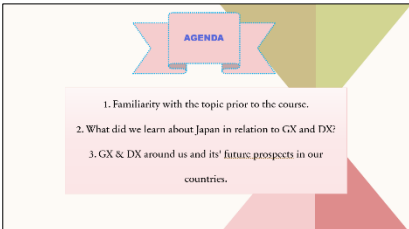

◆ Lecturer

I had a very good time having a valuable interaction with people from JICE and the Juntos!! participants.

5. Disseminations by the participants

<p>Yet another wonderful time spent with JICE and the Juntos Alumni, where we learnt about Japan's DX and GX initiatives. It was also fun working with members from Ecuador and St. Kitts and Nevis where we all shared our countries initiatives on the theme.</p> <p>N.B. GX- Green Energy Transformation DX- Digital Transformation</p> <p>These are articles you can read to know more about the initiatives in Japan, Ecuador, Trinidad and Tobago, as well as St. Kitts and Nevis.</p> <p>https://www.whitecase.com/.../nexus-between-dx-and-gx-how... https://www.argusmedia.com/.../2332800-ecuador-attracts... https://cng.co.tt/world-class-service-station/ https://www.sknis.gov.kn/.../government-of-st-kitts-and-...</p> <p>#Juntos_Japan</p> 	<p>October 25, 2022 (Facebook)</p> <p>Yet another wonderful time spent with JICE and the Juntos Alumni, where we learnt about Japan's DX and GX initiatives. It was also fun working with members from Ecuador and St. Kitts and Nevis where we all shared our countries initiatives on the theme.</p> <p>N.B. GX- Green Energy Transformation DX- Digital Transformation</p> <p>These are articles you can read to know more about the initiatives in Japan, Ecuador, Trinidad and Tobago, as well as St. Kitts and Nevis.</p>
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6. Presentations at the Reporting Session (excerpt)

		
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- What did we learn about Japan in relation to GX and DX?
 1. What is GX (Green Energy Transformation)?
 - Japan's Council for the Introduction of GX considers that GX does not only mean a shift from the use of fossil fuels but also a transformation of the energy sector.
 - The achievement of the goals will enable us to reduce greenhouse gas emissions by 2030 and to be carbon neutral by 2050.
 - A major driving force for achieving these goals was brought about by the COP26 summit in November 2021.
 - Paying attention to GX allows us to reduce greenhouse gas emissions, which cause global warming.

These issues have caused an unprecedented increase in floods and droughts throughout

the world.

2. What is DX (Digital Transformation)?

- The progress of digital transformation is gradual in Japan.

1) Early 2000: Development of ICT infrastructure

2) Mid-2000: Promotion of ICT utilization

3) From 2013: Promotion of data utilization

4) From 2017 onwards: Establishment of a digital society.

Integration of cyberspace (virtual space) and physical space (real space)

- A contact tracing app has been developed with a view to COVID-19.

■ **Future prospect by country**

1. ECUADOR

- The Coca Codo Sinclair hydraulic plant is the largest investment for reducing environmental loads.
- The constitution has stipulated that the government must promote the use of clean renewable energy sources, improve energy efficiency and preserve the environment.
- The major source is hydropower energy, which accounts for 62.51% of total energy generation. The remaining 35.12% of non-renewable energy generation comes mainly from internal combustion engines.

2. TRINIDAD AND TOBAGO

- In Trinidad and Tobago, its green agenda has been at the forefront because the government has been making efforts to diversify the energy sector to make it more environmentally friendly.
- As an example, they have a renewable energy project at the Preysal Service Station (in central Trinidad).
- This station provides liquid fuel and compressed natural gas to recharge electric vehicles by using renewable energy.
- Trinidad and Tobago has become technologically advanced by degrees, and has adapted to the times.
- For example, during this corona pandemic, many people had to adapt to mixed approaches of learning, teaching and working.
- Many organizations and government ministries provided useful courses to help people stand on an equal footing. These include a digital literacy course provided by YTEPP and the Ministry of Digital Transformation.
- Even though the future of GX and DX in Trinidad and Tobago is promising, it will take some time for the country to fully become a green energy society.

3. SAINT CHRISTOPHER AND NEVIS

- We promote the reduction of dependence on fossil fuels and make use of renewable energy.

- We will develop a geothermal power plant on Nevis, which will significantly increase power generation in the Caribbean.
- We construct solar power stations for construction.
- It is necessary to provide technical support for the development in the Caribbean by holding the Council for the Introduction of GX in view of the collaboration with Japan and promoting Small Island Developing States (SIDS) in the G7 and international organizations such as the United Nations, and to create alternative credit scoring mechanisms that include social and multidimensional indexes.

Implementation agency: Japan International Cooperation Center (JICE)