

# Technical Cooperation for Water and Sewerage Sector in Mexico City



**HIMURO Atsushi**

Senior Officer,

Management Projects Division,

Planning & Accounting Department,

Nagoya City Waterworks & Sewerage Bureau

# 1. Background of Technical Cooperation for Mexico City

# Overview of Mexico City



# Overview of Mexico City



Population: Approx. 9 million  
Area: 1,485 km<sup>2</sup>  
(consists of 16 boroughs)  
Religion: Catholic (90%)  
Annual ave temp: 16.5 °C

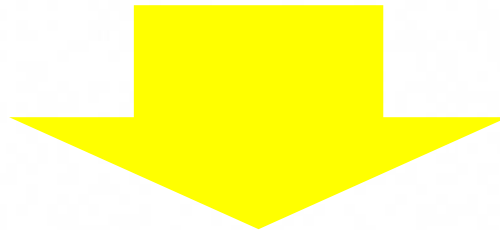


# Sister City Relationship

## Sister city relationship between Mexico City and Nagoya City

July 1975

When visiting the city of Los Angeles, the Nagoya Mexico-Japan Association received a proposal from the Los Angeles-Nagoya Sister City Committee to establish a sister city relationship with Mexico City as well because Mexico City and Los Angeles are sister cities.



Discussion between  
both cities

February 1978: Sister city  
relationship established

# Recent Exchange (1)

## Exchange with Japan-Mexico Institute

Almost every year, students in the Mexican students have visited Nagoya to develop relationship with people in Nagoya.



Japan-Mexico Institute



Exchange in Nagoya

# Recent Exchange (2)

## Commemorative events of the 40th anniversary of sister city relationship (2017)



(Nagoya) Holding the mariachi concert



(Mexico) Bushotai (warlord group) participated in autumn festival

## 2. Past Technical Cooperation



# Technical Cooperation for Mexico City

## Past technical cooperation

FY	Project name
FY2005 to 2010	JICA Partnership Program "Project for management of water quality in Mexico's water system"
FY2011 to 2013	JICA Partnership Program "Project for improvement of sewerage works in Mexico City"
FY2014 to 2016	JICA Partnership Program "Project for improvement of sewerage treatment in Mexico City"
FY2019 to 2022	JICA Partnership Program "Project for enhancement of measures against earthquake of water supply and sewerage in Mexico City"



Table: Records of exchange from FY2005 to 2020

	Number of people
Mexico City to Nagoya City	32
Nagoya City to Mexico City	36

# Training in Nagoya City (1)



Receiving lecture (2013)



Visit to sewerage treatment plant (2015)

# Training in Nagoya City (2)



Visit to sewerage treatment plant  
(2016)



Courtesy visit to Nagoya City's deputy  
mayor (2016)



# Activities in Mexico City (1)



Investigation of  
TV camera (2012)



Training on water quality instrument  
(2013)



# Activities in Mexico City (2)



Technical guidance on  
operation and management  
(2015)



Workshop in Mexico City  
(2015)

# 3. Current Technical Cooperation

# Mass Media Dispatch

- In January 2018, our bureau staff joined JICA's mass media dispatch program
- Confirmed the effect of past technical cooperation projects
- Confirmed need to acquire skills and knowledge related to measures against earthquakes

 **Proposed an earthquake countermeasure project**



**Road flooded with leaked treated water**



**Leakage from water treatment pipe**



**Fallen transformer**

# Project for Enhancement of Measures Against Earthquake of Water Supply and Sewerage in Mexico City

<b>Name</b>	<b>Project for enhancement of measures against earthquake of water supply and sewerage in Mexico City</b>
<b>Project Goal</b>	To have the Mexico City Water System take and enhance measures against earthquakes (quake resistance of water supply and sewerage infrastructure for emergency activities in case of earthquakes)
<b>Implementation period</b>	From Feb. 2020 to Sept. 2022 (2 years and 7 months)
<b>Target country</b>	The United Mexican States
<b>Target country's implementing organizations</b>	Mexico City Water and Sewerage Bureau (SACMEX) Mexico City Integrated Risk Management and Civil Protection Agency (SGIRPC)
<b>Achievement goals</b>	<ol style="list-style-type: none"> <li>1. To have the SACMEX prepare and continuously maintain an emergency activity manual, and have the SACMEX staff understand the contents [emergency activities]</li> <li>2. To improve knowledge and skills of the SACMEX and SGIRPC staff for effectively enhancing the resilience of the water supply and sewerage systems against earthquake [quake resistance]</li> <li>3. To provide people in Mexico City with information and knowledge of how to use water supply and sewerage systems (water infrastructure) in case of disaster through enlightenment activities by Mexico City [enlightenment of citizens]</li> </ol>



# First Dispatch (Kickoff Meeting)

- Four bureau members were dispatched in February 2020
  - Held a **kickoff meeting** by gathering representatives of each related organization
  - Discussed the details of how to carry out future activities. The target organization proposed **a significantly accelerated schedule** and a **talk with senior officials** of the SACMEX was held, which had not been planned originally



Kickoff meeting participants



Visit to water supply pipe construction work site

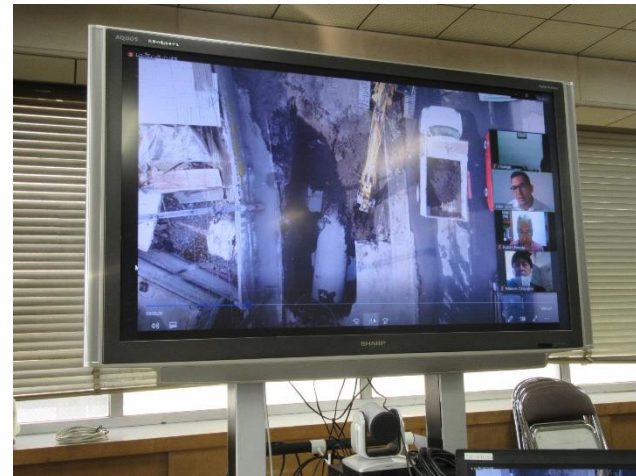
# Activities during COVID-19

## - Online activities

- Due to the pandemic, dispatch to Mexico has been postponed since the first one in February 2020
- In addition to conventional communication via e-mail, web meetings have been held with related organizations about once a month



Thanks to highly motivated work by the target organization, progress has been made in preparation of an emergency activity manual and materials for enlightenment of citizens



Photos of web meetings

# Introduction of Japanese Anti-earthquake Technologies and Products

## - Holding a seminar with Japanese companies

- Scheduled to hold a seminar in September 2022 in Mexico City to introduce anti-earthquake technologies and products from Japanese companies
- As part of its preparation, we have organized a review meeting, together with member companies of "Life of Water Chubu Forum," in which Nagoya City also participates, to discuss anti-earthquake technologies to be introduced to Mexico City



Scenes from the review meeting



# Interim Report Meeting

## - Holding of an interim report meeting

- On November 25, 2021, interim report meeting was conducted online to senior members of related organizations
- Remotely verified the progress toward the three achievement goals and confirmed the details of future activities



Group photo after interim report meeting



Thank you for your attention

