

International Cooperation in Water supply

Water supply division

Pharmaceutical safety and environment health bureau



MHLW

Ministry of Health,
Labour and Welfare of Japan

History of Modern water supply system

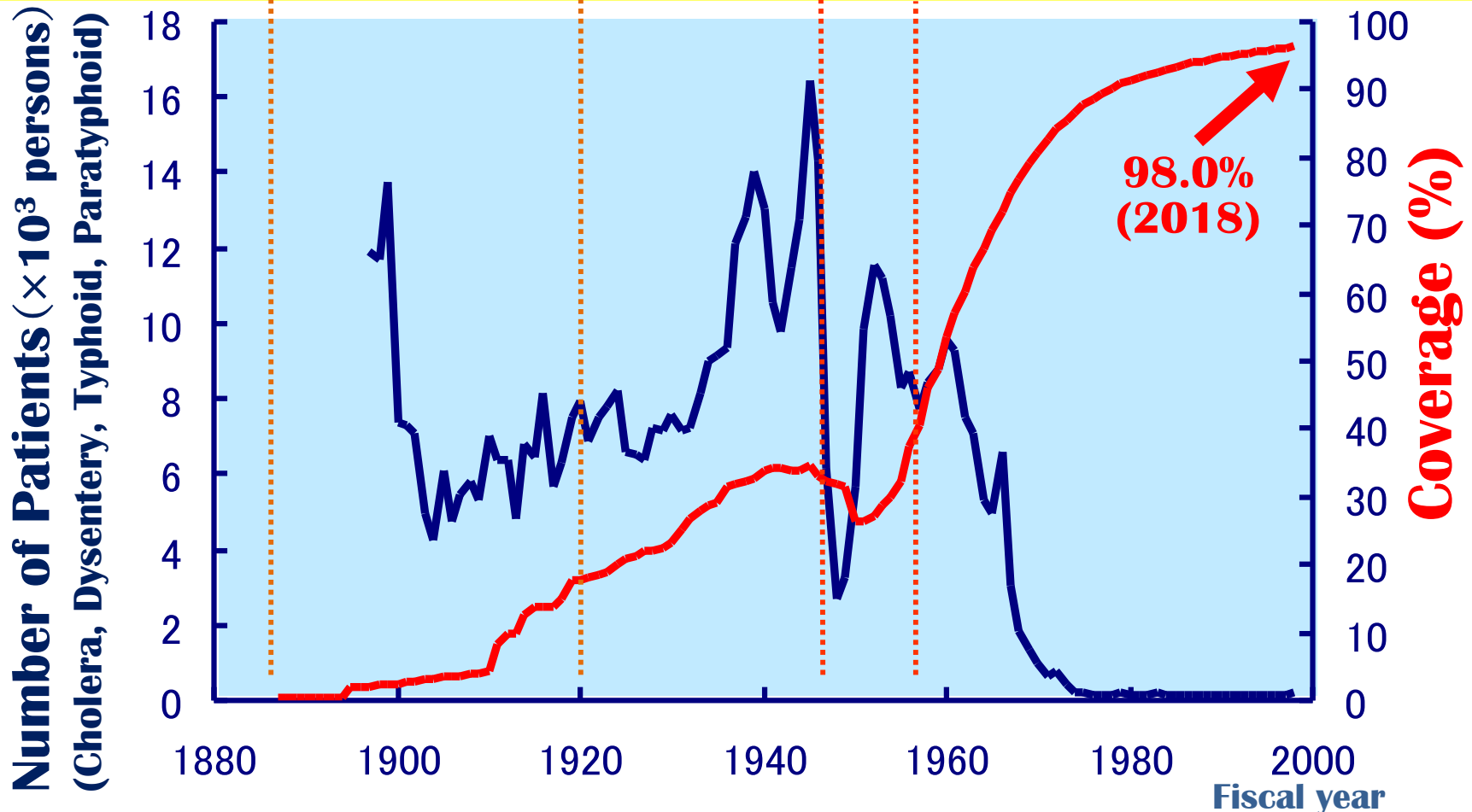
● 1854 The opening of the country

Introductory period of modern waterworks

● 1945 The end of World War II

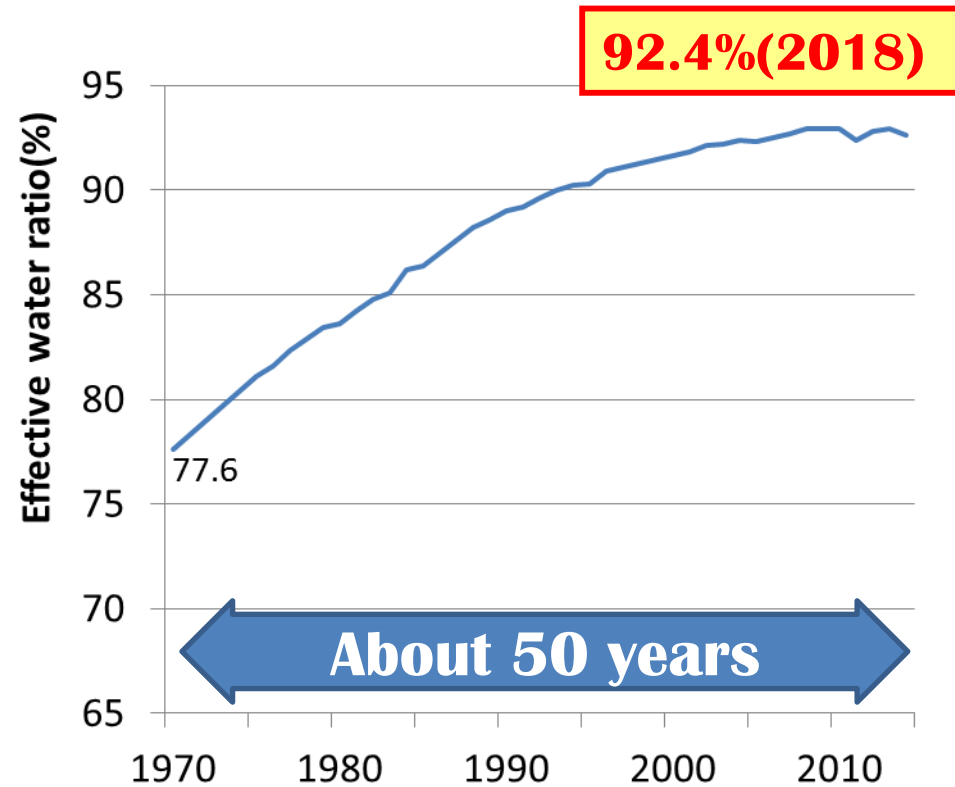
Disinfections (Chlorination)

● 1957 Waterworks Act

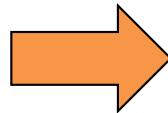


Efforts for the Reduction of Water Leakage

- **National average of effective water ratio is 92% (Leakage is 8%).**
 - **Leak detection plan**
 - **Rehabilitation of old pipelines**



Smaller leakage



- ◆ **Save water**
- ◆ **Reduce cost**
- ◆ **Consolidate management**
- ◆ **Maintain adequate pressure**

International Cooperation of Japanese Water Industry

To strengthen good relationships with Southeast Asian countries, and to support activity of Japanese water industry, Ministry of Health, Labour and Welfare of Japan (MHLW) supports international cooperation of public and private water sectors in Japan.

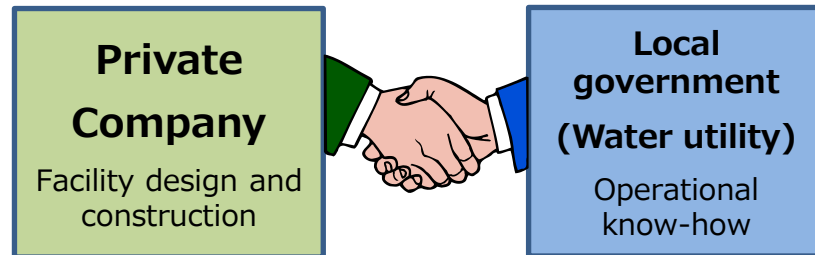
■ Waterworks Seminar and Field research

MHLW held Waterworks Seminar and Field research to introduce technologies etc. for the government and water supply utilities of the target countries.



■ Project Identification study

MHLW conducted Project Identification study to analyse the current situation and need for international cooperation with water utilities and private companies in Japan.



Good Practices

In Cambodia

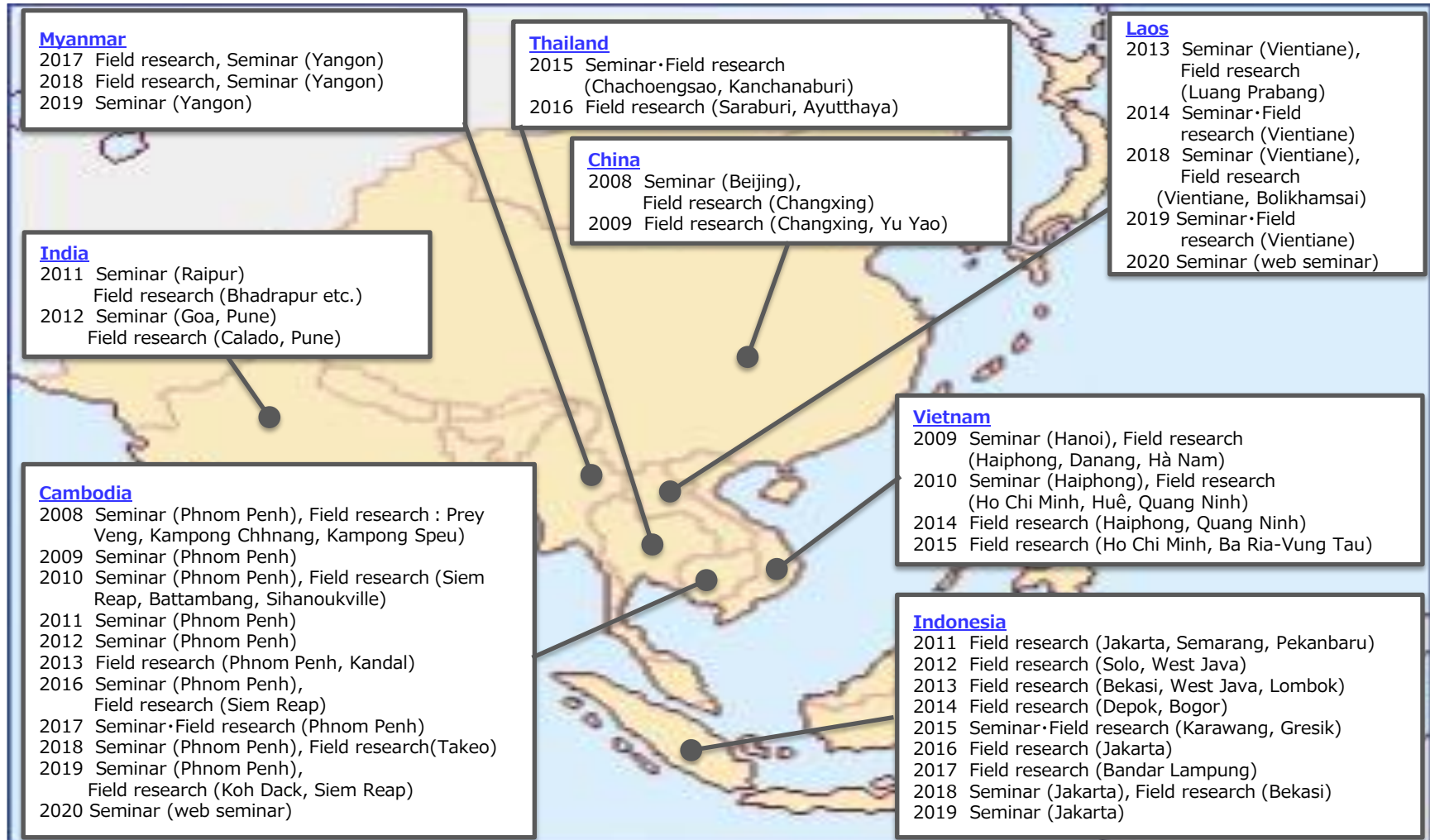
JICA Grant Aid "The Project for Expansion of Water Supply System in Kampot " in FY2016 are contracted by the company who participated Project Identification studies in FY2008 and FY2013.

In Vietnam

JICA Grant Aid "The Project for Improving An Duong Water Treatment Plant in Hai Phong City" in FY2019 are contracted by the company who participated Project Identification studies in FY2013 and FY2014.

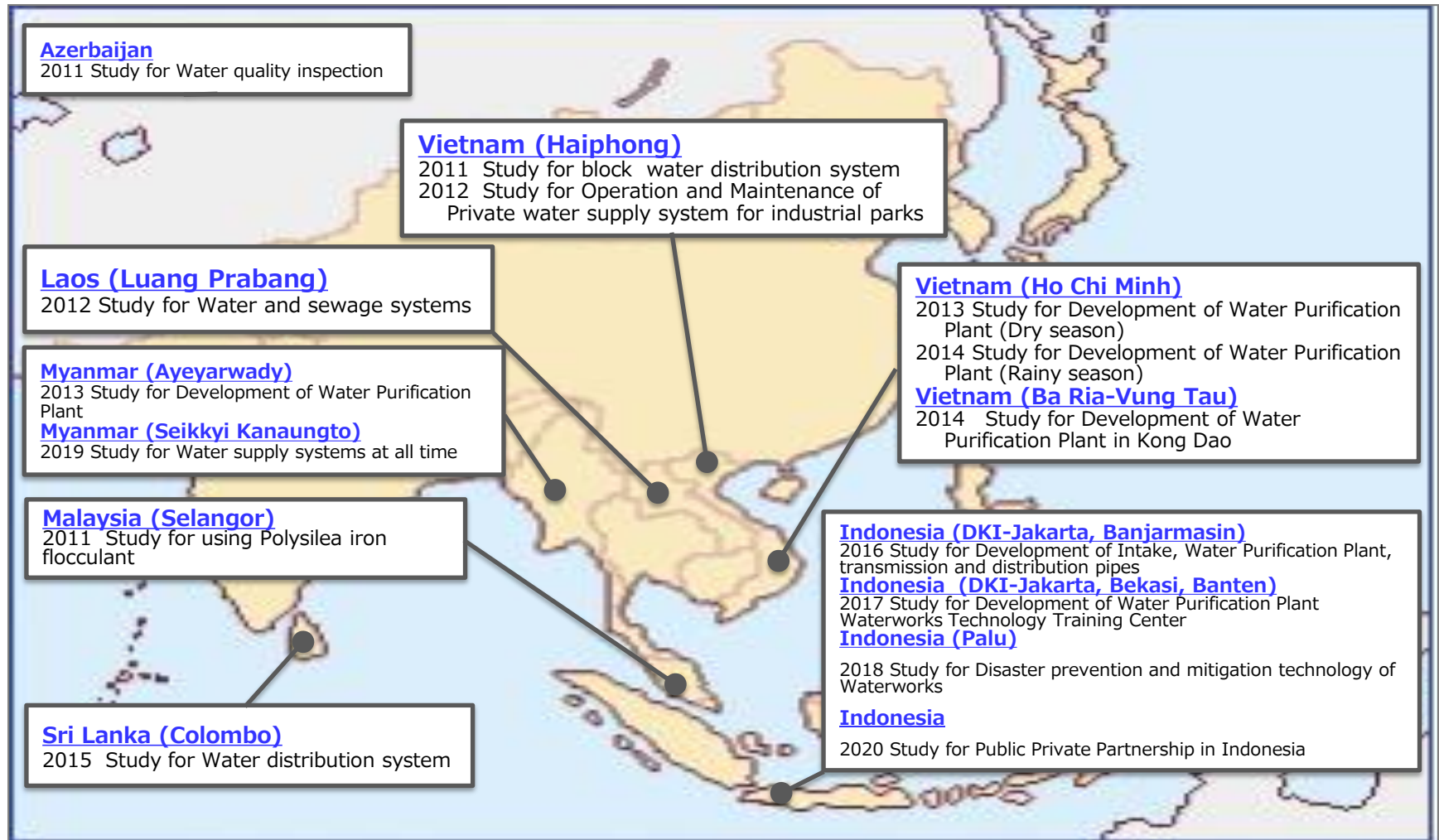
■ Waterworks Seminar and Field research

27 Seminars and 31 Field researches were held in 8 countries (in FY2008 ~ FY2020)



■ Project Identification study

15 Project Identification studies were held in 7 countries (in FY2011 ~ FY2020)



Summary of MaWaSU2 Project (2018-2023)

【Project name】 The project for Improvement of Management Capacity of Water Supply Sector(MaWaSU2)

【Duration】 2018,5,21~**2023,12,20** (five years and seven months)

【Target Organization】 Ministry of Public Works and Transport, Department of Water Supply, Waterworks of Vientiane Capital City, Luangprabang, Khamuane and all waterworks in Laos, and Department of Public Works and Transport in all provinces.

【Project purpose】 The foundation necessary for strengthening the water supply sector management system and WSSEs' capacity is formulated.

【Experts】

Saitama City

Long-term Expert : Chief Advisor

Short-term Expert : Civil Engineering (Output3)
Water Quality (Output4)

Kawasaki City

Long-term Expert : Sub-Chief Advisor

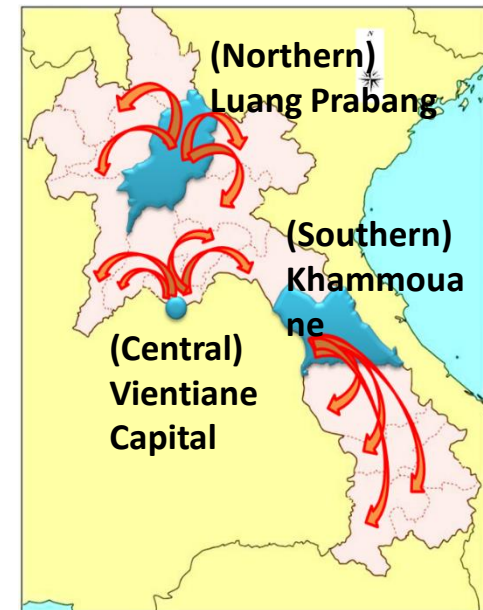
Short-term Expert : Civil Engineering (Output4)
Water Quality (Output4)

Yokohama City Short-term Expert : Finance (Output4)

Saitama Prefecture

Short-term Expert : Facility (Output4)
Water Quality (Output4)

MOU for MaWaSU2
JICA & 4 Utilities



Consultants Institution (Output1)
Sector Fund (Output1)
Pilot Project (Output2)

Project activities (Mid term)

Institutions improvement · strengthening administration ability (Output1)

- Verify the institutions in water supply sector
- Study Water Supply Sector Development Fund
- Make Water Supply Strategy
- Make Water Supply Annual report (2018、2019)

Pilot project implementation (Output2)

- Pilot Project Task Team : 8 times held
- Pilot Project Evaluation Committee:12times held
- 1st batch; explanation for all provinces (Aug.2019)
- 1st batch; judgement – selection – implementation (3 areas selected)
- 1.5 batch explanation for all provinces (Apr.2021)

Develop technical standard (Output3)

- Technical Standard Committee : 10times held
- Ministerial Ordinance Task Team : 8times held
- Standard Task Team :15 times held

Seminar · Conference

- MaWaSU2 National Seminar (Nov. 2018)
- Laos - Japan Waterworks & MaWaSU2 Conference 2019 (Feb.2019) ※cooperate with MHLW
- Laos - Japan Waterworks & MaWaSU2 Conference 2020 (Jan.2020) ※cooperate with MHLW
- MaWaSU2 National Seminar 2020 (Dec.2020)

Sub-Committee/Capacity development for WSSEs (Output4)

- ① Date management, ② Customer relations, ③ Planning, ④ Finance, ⑤ Water quality, ⑥ Water works association
Sub-Committees : 12 times held
- make common tool and manual for dissemination activity
 - Improve training capacity of trainers in 3 pilots
 - Establish the LWVA
 - Support the operation of LWVA

Dissemination/ Capacity development for WSSEs (Output4)

- 1st Dissemination Mini workshop(Dec.2018)
@Luangprabang, Oudmxay, Khamuanne
2nd Dissemination Mini workshop (Jun.-Jul.2019)
@Houaphan, Xiangkhouang, Champasak
3rd dissemination Mini workshop (Nov.-Dec.2019)
@Bokeo, Vientiane, Salavan

Training in Japan

- 1st : Statement of water supply administration/sharing of the water supply sector role (main receipt org.; MHLW, JWVA, Saitama pref., Saitama city, Kawasaki city and Yokohama city)(Aug.2019)
- 2nd : Role of JWVA and the activities (main receipt org.; JWVA)(Feb.2020)

**Thank you for
your attention!**

