

Sharing of Policy Practices, Information, and Technologies for Regional Air Quality Improvement (The Republic of Korea)



Ministry of Environment

❖ Overview

1. (Trilateral) Korea-China-Japan

- Tripartite Environmental Ministers Meeting (TEMM)
 - Tripartite Policy Dialogue on Air Pollution (TPDAP)
 - Joint Research on Dust and Sandstorms
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2. (Bilateral) Korea-China

- Joint Research (Basement at Beijing)
 - Monitoring Data Sharing (35 cities of China ↔ 3 cities of Korea)
 - Demonstration Project for Air Pollutant Reduction Technology
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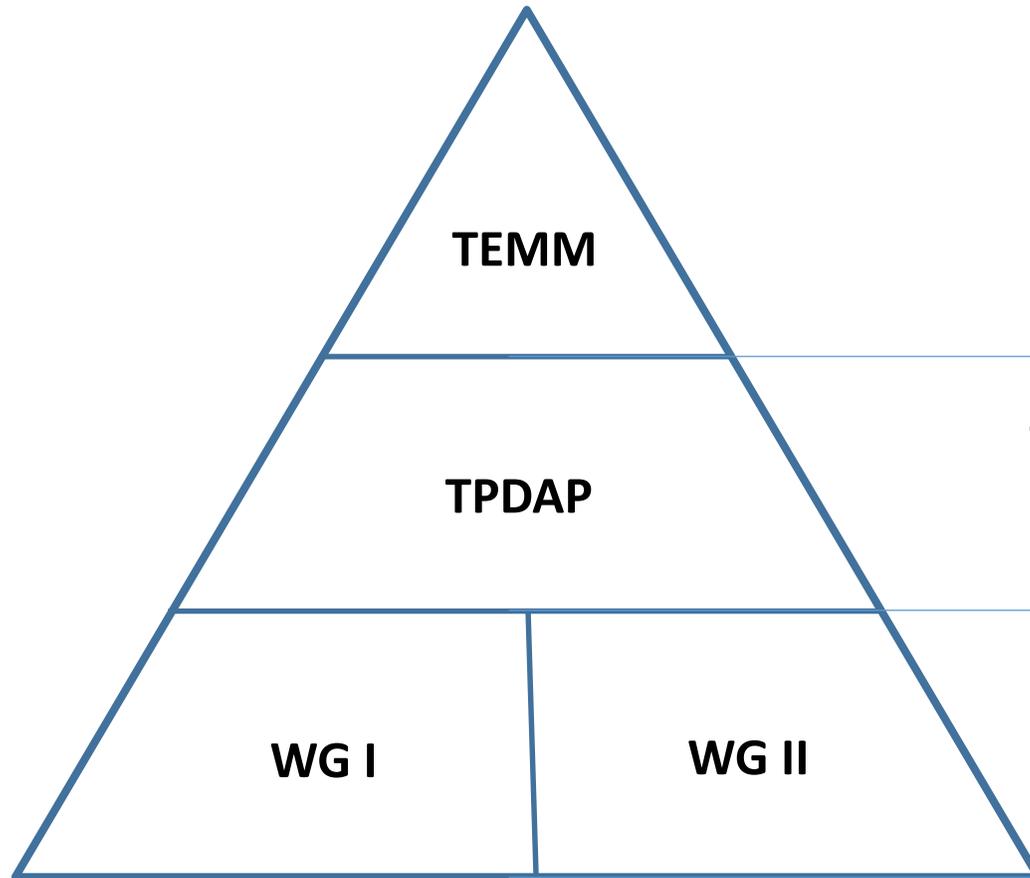
3. (Bilateral) Korea-Japan

- PM_{2.5} Bilateral Cooperation for Monitoring and Inventory
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4. (Multilateral) Regional

- EANET (Acid Deposition Monitoring Network in East Asia)
- LTP (Long-range Transboundary Air Pollutants in Northeast Asia)

❖ Tripartite Cooperation on Air Quality



Korea-China-Japan Tripartite Environment Ministers Meeting

- Held annually on a rotation basis between countries
- Total nine major environmental areas for cooperative actions

Tripartite Policy Dialogue on Air Pollution

- Held annually on a rotation basis between countries
- Director's level

WG I: Scientific Research on Prevention and Control

WG II: Technology/Policy on Air Quality Monitoring and Prediction

❖ Tripartite Environmental Ministers Meeting (TEMM)

- **Background**
 - TEMM was launched in 1990, following Korea's suggestion to promote the region's environmental cooperation
 - Since then, TEMM is held every year on a rotation basis between the three countries
 - The 21st Meeting will be held on November on this year in Japan



20th TEMM (Suzhou, June 2018)

❖ Tripartite Environmental Ministers Meeting (TEMM)

- **Major Activities**

- **(Main Session)** Ministers' meeting

- **(Major Programs)** Bilateral ministers' meeting, TEMM Environment Award, Tripartite Roundtable on Environment Businesses, Youth Forum, etc.

- **(Projects)** Currently, 38 projects are implemented in 9 major areas (2015 ~ 2019)

- * Under the Air Quality Improvement category, there are Sand and Dust Storm Joint Research (2007 ~) and Tripartite Policy Dialogue on Air Pollution (2014 ~)

❖ Tripartite Policy Dialogue on Air Pollution (TPDAP)

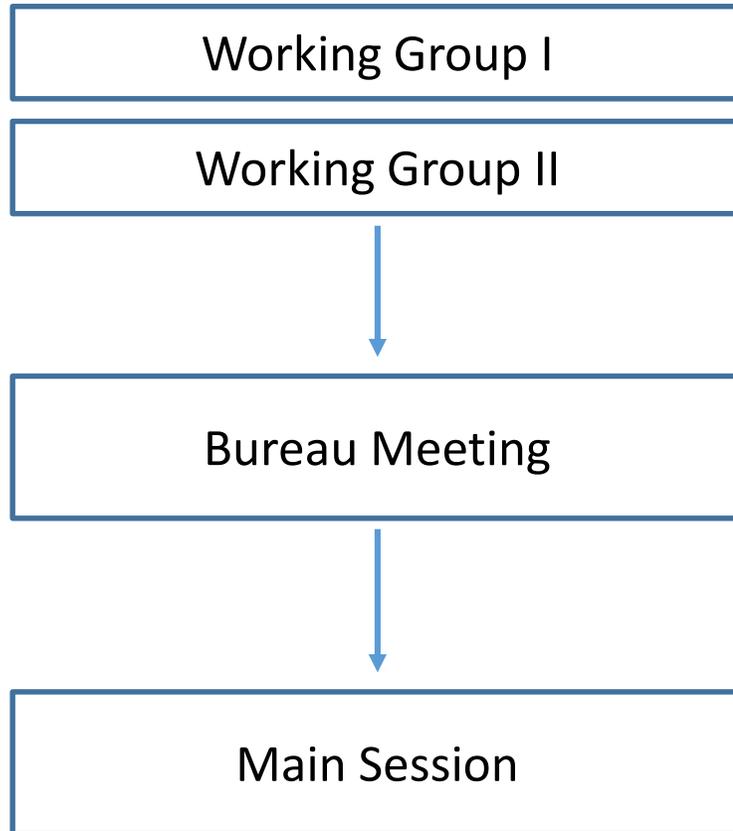
• Background

- Established under the TEMM15 (May 2013, Japan), following Korea's suggestion
- For cross-country sharing of best practices, policy, and information on air pollution management
- Annually held on a rotation since the first meeting in 2014
- The 7th Meeting will be held on February 2020 in China



5th TPDAP (Seoul, Feb 2018)

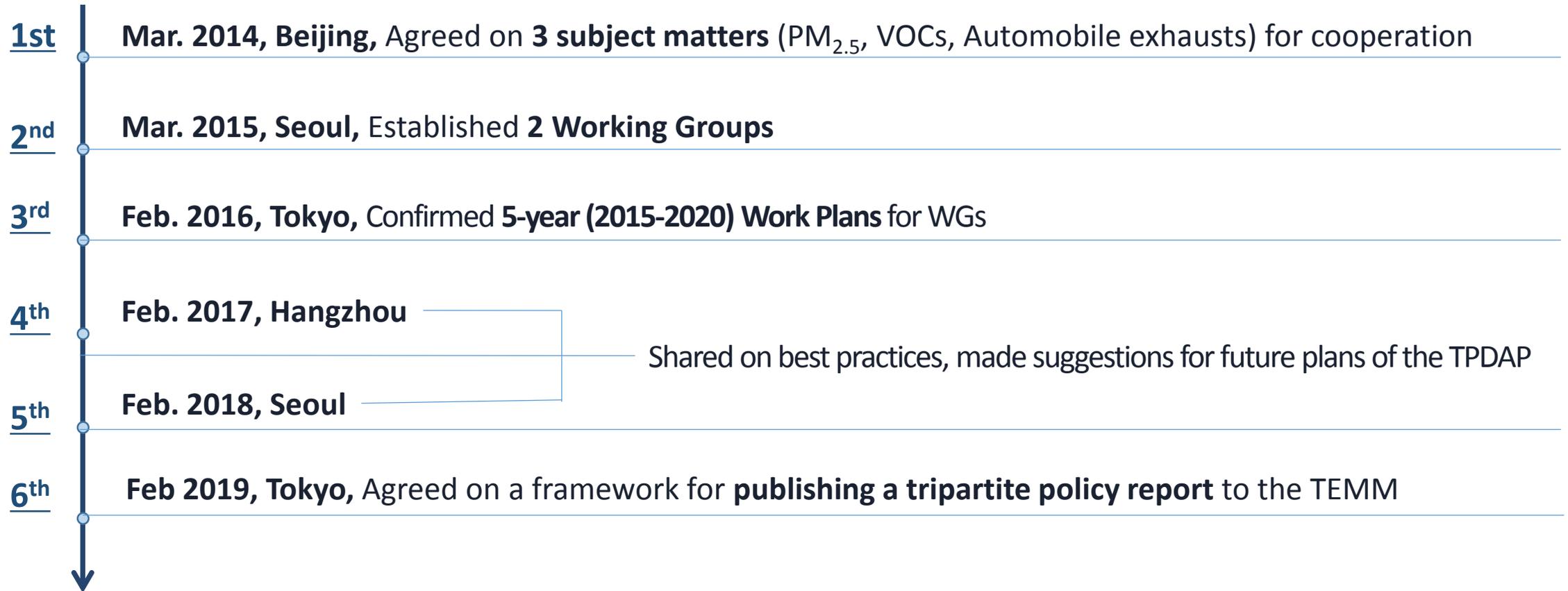
❖ Tripartite Policy Dialogue on Air Pollution (TPDAP)



- Participated by scientists, experts, government officials, etc.
 - Joint research and sharing of technologies, data, and other info.
 - (WG I) Scientific Research on Prevention and Control
 - (WG 2) Technology/Policy on Air Quality Monitoring and Prediction
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- Participated by working-level government officials
 - For review of agenda to be discussed, specific issues and matters required to be shared in advance to the main session
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- Participated by directors, working-level government officials, scientists, and experts
 - For sharing of best practices for air quality management, current status, new projects, and further opportunities for cooperation
 - Reported by Working Group 1&2

❖ Tripartite Policy Dialogue on Air Pollution (TPDAP)

• Progress



❖ Joint Research on Dust and Sandstorms

- **Background**
 - Established at the “Directors General Meeting on DSS Responsive Actions (Mar 2007)”
- **Progress**
 - Since 2008, the Steering Committee and WG meetings have been held annually.
 - * (Steering meeting) Composed of officials at a director level and experts
 - ** (WG 1) DSS monitoring, forecasting and early-warning network
 - *** (WG 2) DSS prevention and ecological restoration



2nd Steering Meeting (Seoul, Jul 2008)

❖ Monitoring Data Sharing

- **Background**

- To enhance the forecasting accuracy
- MOU on the Data Sharing was concluded between the MOE and MEP
 - * On the occasion of Korea-China Summit (Seoul, Oct, 2015)

- **Progress**

- NIER for KOREA and CNEMC for China share real-time monitoring data through FTP
 - * 35 cities of China ⇔ 3 cities of Korea



❖ Air Quality Joint Research Team

- **Background**
 - MOU on the Joint Research Team was concluded on Jun 2015.
- **Progress**
 - Its basement was installed in the Chinese Research Academy of Environmental Sciences (Beijing)
 - A Korea-China joint research project called “Clean Sky Project” to be promoted from May 2017 to Jul 2020



3rd Joint Research Team Workshop (Beijing, Nov 2016)

❖ Bilateral Cooperation Meeting on PM_{2.5}

- **Background**
 - To Strengthen the two countries' cooperation on PM_{2.5} monitoring and inventory researches
 - To exchange current policies and opinions
- **Progress**
 - Held biannually in a rotation
 - MOU for sharing data for PM_{2.5} modeling research was concluded on Aug 2016



5th Bilateral Cooperation Meeting on PM_{2.5} (Seoul, Aug 2016)

❖ LTP (Long-range Transboundary Air Pollutants)

- A Northeast Asian cooperation mechanism launched responding to the increasing need for joint researches on long-range transboundary air pollutants
- Workshop has been held every year to present and exchange the result of joint researches since 1995.

❖ NEASPEC (North-East Asia Sub-regional Programme for Environment Cooperation)

- A regional cooperation body to jointly deal with the environmental issues of Northeast Asia including transboundary air pollution
- The participants include the Republic of Korea, China, Japan, Russia, Mongolia, and the Democratic of Korea.

❖ EANET (Acid Deposition Monitoring Network in East Asia)

- A cooperation body for joint monitoring and researches on the acid deposition matters in the region
- Total 13 countries participate in the EANET.
- Its secretariat is under the frame of UNEP and its Network Center (for scientific research) is located in Nigata, Japan.

Thank You!



Ministry of Environment