



**Asia Pacific Mercury
Monitoring Network**

**The 14th Annual Asia Pacific Mercury Monitoring Network
(APMMN) Partners Meeting**

December 09-12, 2025

Taipei, Taiwan

Organizers: Ministry of Environment Taiwan

United States Environmental Protection Agency

National Atmospheric Deposition Program

National Central University

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About APMMN

Mercury Concerns in Asia

Mercury (Hg), a persistent and bioaccumulative toxicant of increasing global concern, is dispersed worldwide primarily via long-range atmospheric transport. Methylmercury (MeHg), the most toxic species of Hg, is a neurotoxin that can cause long-term development delays in children. Because consumption of marine fish is the primary exposure route through which people are exposed to MeHg, methylation of inorganic Hg in aquatic environments and its subsequent accumulation in fish are major environmental concerns for human health. However, the main source of inorganic Hg is from the atmosphere for many aquatic systems, such as the open ocean worldwide.

Asia is the largest source region of atmospheric mercury and emissions continue to increase rapidly. The rapid growth of economic and industrial activities in Asia marked by the massive consumption of coal, petroleum, and fossil fuels has resulted in a dramatic increase of atmospheric mercury emissions. It is expected that mercury deposition within Asia will also continue to increase, leading to more mercury health issues in the region.

At present, scientists and decision-makers in the Asia-Pacific region must rely on limited information to understand and quantify the critical linkages between mercury emissions, environmental response, and potential human health concerns. As a primary mercury source region with limited mercury information and data, Asia is a particularly important region to further develop monitoring capacity.

The **Asia Pacific Mercury Monitoring Network (APMMN)** is a cooperative effort involving many different groups, including environmental ministries and federal government agencies, academic institutions, and scientific research and monitoring organizations. The goal of the APMMN is to systematically monitor wet deposition and atmospheric concentrations of mercury in a network of stations throughout the Asia-Pacific region. Objectives of the APMMN include:

- Determine the status and trends in: concentrations of ambient air mercury species - Gaseous Oxidized Mercury (GOM), Particulate Bound Mercury (PBM_{2.5}), Elemental Mercury (GEM); and wet, dry and total atmospheric deposition of mercury.
- Assist partner countries in developing their mercury monitoring and assessment capacity by providing training on multi-media (e.g., air, precipitation, water, sediment, biota) sampling and analytical methods, and best practices.
- Provide a robust dataset for regional and global model input.
- Share data and monitoring information among network partners.



Contact Information

Ministry of Environment Taiwan

Mr. Jhih-Yuan Yu (游智淵)

E-mail: jhihyuan.yu@moenv.gov.tw

Phone: +886-223117722#6700

Ms. Ting-Yu Yeh (葉亭妤)

E-mail: tingyu.yeh@moenv.gov.tw

Phone: +886-223117722#6704

National Central University

Dr. Guey-Rong Sheu (許桂榮)

E-mail: grsheu@atm.ncu.edu.tw

Phone: +886-34227151#65514

Mr. Da-Wei Lin (林達偉)

E-mail: dwlin@g.ncu.edu.tw

Phone: +886-923607952

Ms. Shu-Yu Chang(張書瑜)

E-mail: changshuyu@g.ncu.edu.tw

Phone: +886-912318031

Metropolitan Rapid Transit (MRT) in Taipei



Location Map of Meeting Venue and Hotel



Hotel Information

Caesar Park Taipei (台北凱撒大飯店)

Address : No.38, Section 1, Zhongxiao West Road, Zhongzheng District, Taipei 100, Taiwan

Tel : +886-22311-5151

Website : <https://taipei.caesarpark.com.tw/en/>

From Taoyuan Airport to Caesar Park Taipei by Airport MRT

- After taking the Taoyuan Airport MRT to A1 Taipei Main Station, please follow the direction to Taiwan Railway, Taiwan High Speed Rail (THSR), or Taipei MRT, and choose to take the underground passage to the K12 entrance or the K-area underground mall to the Caesar Park Hotel Taipei.

- **From Exit K12**



- **By underground tunnel**



Taking Metropolitan Rapid Transit (MRT) from/to the hotel :

- Taipei Main Station is the closest MRT station to the hotel.
- The hotel is connected to Taipei Main Station (with train, high speed rail, and MRT services) by an underground passage in its basement.
- Take the Taipei MRT **Blue Line (Bannan Line)** or **Red Line (Tamsui-Xinyi Line)** to Taipei Main Station, exit from M6 Exit (next to the hotel) or take the elevator from B1 to the reception hall.

Meeting Venue

Ministry of Environment Taiwan

Dec. 9th : Conference room, 3rd floor in rear building

Address : 83, Zhonghua Rd. Sec. 1, Zhongzheng District, Taipei City 100006, Taiwan (R.O.C.)

Tel : +886-23117722

Website : meet.google.com/xuo-bdsy-iex

Direction:

Taking Metropolitan Rapid Transit (MRT) to the Ministry of Environment :

- **Blue Line (Bannan Line)** – Get off at Ximen Station (circled in purple in MRT route map), take the No. 2 Exit and walk for about 10 minutes.

Chang Yung-Fa Foundation International Convention Center

Dec. 10th : Room 1007, Chang Yung-Fa Foundation International Convention Center

Dec. 11th : Room 1007, Chang Yung-Fa Foundation International Convention Center

Address : No.11, Zhongshan S. Rd., Taipei City 10048, Taiwan (R.O.C.)

Tel : +886-22351-6699#6199

Direction:

Taking Metropolitan Rapid Transit(MRT) to the Chang Yung-Fa Foundation International Convention Center :

- **Red Line (Tamsui-Xinyi Line)**– Get off at NTU Hospital Station, take the No. 2 Exit and walk

for about 5 minutes.

Emergency Services

119

Ambulance and fire

110

Police

Agenda of the 14th Annual APMMN Partners Meeting

9th December, 2025 (Tuesday)

08:40 – 09:10	Registration
09:10 – 09:30	Opening Ceremony Remarked by: <i>Chi-Ming Peng, Minister, Ministry of Environment, Taiwan</i> <i>Victoria Tran, Principal Deputy Assistant Administrator, Environmental Protection Agency, USA (pre-recorded)</i> <i>Koki Takaki, Director, Office of Mercury and International Chemicals Management, Ministry of the Environment, Japan (pre-recorded)</i>
09:30 – 09:40	Group photo
09:40 – 10:00	Coffee break
10:00 – 11:40	Invited Presentations <i>Chaired by Guey-Rong Sheu</i>
10:00 – 10:20	Outcomes of sixth meeting of the Conference of the Parties (COP) to the Minamata Convention on Mercury <i>Lynwill Martin, South African Weather Service, South Africa</i>
10:20 – 10:40	The Asia Pacific Mercury Monitoring Network (APMMN): An update on progress and opportunities <i>Timothy Sharac, Environmental Protection Agency, USA</i>
10:40 – 11:00	The Asia Pacific Mercury Monitoring Network (APMMN): Support from North America (NADP) <i>David Gay, National Atmospheric Deposition Program, USA</i>
11:00 – 11:20	Variations in atmospheric Hg concentrations and fluxes over deciduous coniferous forests in Japan <i>Akinori Takeuchi, National Institute for Environmental Studies, Japan</i>
11:20 – 11:40	Current status of atmospheric mercury studies in Southern Vietnam: insight into the application of UAV in mercury measurements <i>Nguyen Ly Sy Phu, VNUHCM-University of Science, Vietnam</i>
11:40 – 13:30	Lunch

13:30 – 14:10	Meeting Session I. The Asia-Pacific Mercury Monitoring Network <i>Chaired by Guey-Rong Sheu</i>
13:30 – 13:55	Introduction to the APMMN and State of the Network <i>Guey-Rong Sheu, National Central University, Taiwan</i>
13:55 – 14:10	Mercury Central Analytical Lab and Site Liaison Reports <i>Da-Wei Lin, National Central University, Taiwan</i>
14:10 – 15:10	Meeting Session II. APMMN Partner and Stakeholder Updates <i>Chaired by David Gay</i>
14:10 – 14:25	Taiwan <i>Guang Wen Lien, Chemical Administration, Ministry of Environment</i>
14:25 – 14:40	Australia <i>Jennifer Powell, Commonwealth Scientific and Industrial Research Organisation</i>
14:40 – 14:55	Fiji <i>Vincent Lal, University of the South Pacific</i>
14:55 – 15:10	India <i>Asif Qureshi, Indian Institute Technology</i>
15:10 – 15:30	Coffee break
15:30 – 16:45	Meeting Session II. APMMN Partner and Stakeholder Updates (continued) <i>Chaired by David Gay</i>
15:30 – 15:45	Indonesia <i>Ida Suoth, Environmental Management Center</i>
15:45 – 16:00	Japan <i>Kohji Marumoto, National Institute for Minamata Disease</i>
16:00 – 16:15	Korea <i>Seunghee Han, Gwangju Institute of Science and Technology</i>
16:15 – 16:30	Maldives <i>Fathimath Fairooza, Ministry of Tourism and Environment</i>
16:30 – 16:45	Mongolia <i>Otgonjargal Suren, Central Laboratory of Environmental Metrology</i>
16:45	Day 1 Wrap-up

17:30

Welcome Dinner

10th December, 2025 (Wednesday)

09:00 – 10:45	Meeting Session II. APMMN Partner and Stakeholder Updates (continued) <i>Chaired by Guey-Rong Sheu</i>
09:00 – 09:15	Nepal <i>Ashmita Oli, Department of Environment</i>
09:15 – 09:30	Philippines <i>Billy William G. Franco, Environmental Management Bureau</i>
09:30 – 09:45	South Africa <i>Lynwill Martin, South African Weather Service</i>
09:45 – 10:00	Sri Lanka <i>Anurudda Karunaratna, University of Peradeniya</i>
10:00 – 10:15	Thailand <i>Chanthiraporn Tangsuwan, Climate Change and Environmental Research Center</i>
10:15 – 10:30	Taiwan <i>Guey-Rong Sheu, National Central University</i>
10:30 – 10:50	Coffee break
10:50 – 11:30	Meeting Session III. Network Directions Discussion <i>Moderated by David Gay and Guey-Rong Sheu</i>
11:30 – 13:00	Lunch
13:00 – 14:20	Training Session by APMMN, including Q&A <i>Da-Wei Lin, National Central University, Taiwan</i> <i>Nguyen Ly Sy Phu, VNUHCM-University of Science, Vietnam</i>
14:20 – 14:40	Coffee break
14:40 – 16:40	Presentation / practice ● Outline and Sampling Operation of Manual Active Sampling Operation of Manual Active Sampling (Sample Collection)
16:40	Day 2 Wrap-up

11th December, 2025 (Thursday)

MOEJ Training Workshop

09:00 – 09:20	Housekeeping Information
09:20 – 10:30	Presentation ● QA/QC Procedure for Survey and Analysis ● Other Methods / Techniques of Mercury Analysis
10:30 – 10:45	Coffee break
10:45 – 12:00	Presentation / practice ● Sample Measurement of Manual Active Sampling Method
12:00 – 13:30	Lunch
13:30 – 15:30	Presentation ● Global Monitoring and Minamata Convention
15:30 – 15:45	Coffee break
15:45 – 17:30	Discussion for Future Networking
17:30	Day 3 Wrap-up

12th December, 2025 (Friday)

08:30 – 12:00	Field trip
12:00 – 14:00	Lunch
14:00	Return to hotel

13th December, 2025 (Saturday)

Departure
