

# Agenda

## 13<sup>th</sup> June (Monday)

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08:00 – 18:00      Arrival

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18:00 – 20:00      Ice breaker / Pre-workshop discussion

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## 14<sup>th</sup> June (Tuesday)

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08:00 – 09:00      Registration

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09:00 – 09:30      **Opening ceremony**

Remarked by:

*Ying-Yuan Lee, Minister, EPA, Taiwan*

*Kin W. Moy, Director, American Institute in Taiwan*

*Tran Duy Hai, Representative, Viet Nam Economic and Cultural office in Taipei*

**Opening of the Center for Environmental Monitoring and Technology**

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09:30 – 09:40      Group photo

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09:40 – 10:10      Coffee break

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10:10 – 12:05      **Plenary session**

10:10 – 10:25      Addressed by

*Hung-Teh Tsai, Director, EPA, Taiwan*

*Kwang-Hwa Lii, Executive Vice President, NCU, Taiwan*

*Hal Maring, Program Manager, NASA Headquarters, USA*

*David Gay, Coordinator, NADP, USA*

**Plenary presentations, chaired by Neng-Huei (George) Lin**

10:25 – 10:45      Overview of atmospheric background measurements at Mt. Lulin and remote islands:  
Present status and perspectives

*Neng-Huei (George) Lin, National Central University, Taiwan*

10:45 – 11:05      The air we breathe: It is not what it used to be!

*Russ Schnell, NOAA/GMD, USA*

11:05 – 11:25	AERONET collaborative research in SE Asia and the outlook for future research under Version 3 <i>Brent Holben, NASA/GSFC, USA</i>
11:25 – 11:45	Building coordinated global mercury deposition monitoring: The North American network <i>David Gay, NADP, USA</i>
11:45 – 12:05	Regional cooperation to track atmospheric mercury: The Asia-Pacific Mercury Monitoring Network <i>David Schmeltz, EPA, USA</i>

**12:05 – 14:00 Lunch**

	<b>Mt. Lulin Symposium</b>	<b>Mercury Workshop</b>
<b>14:00 – 15:20</b>	<b>Session LL-1</b>	<b>Session HG-1</b>
<b>15:20 – 15:50</b>	Coffee break	
<b>15:50 – 17:30</b>	<b>Session LL-2</b>	<b>Session HG-2</b>
<b>17:30 – 18:00</b>	Heading for the Welcome Reception venue	
<b>18:15 – 20:30</b>	<b>Welcome Reception</b> <i>Hosted by Dr. Ying-Yuan Lee, Minister, Taiwan EPA</i>	

## 15<sup>th</sup> June (Wednesday)

	<b>Mt. Lulin Symposium</b>	<b>Mercury Workshop</b>
<b>09:00 – 10:20</b>	<b>Session LL-3</b>	<b>Session HG-3</b>
<b>10:20 – 10:40</b>	Coffee break	
<b>10:40 – 12:00</b>	<b>Session LL-4</b>	<b>Session HG-4</b>
<b>12:00 – 13:00</b>	Lunch	
<b>13:00 – 18:30</b>	Leaving for the Lulin Atmospheric Background Station	
<b>18:30 – 18:50</b>	Hotel check-in	
<b>18:50 – 20:30</b>	Dinner	

## 16<sup>th</sup> June (Thursday)

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08:00 – 12:00 Visiting Lulin Atmospheric Background Station

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12:00 – 13:30 Lunch

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13:30 – 19:00 Heading to Taipei

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19:00 – 19:20 Hotel check-in

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19:20 – 20:30 Dinner

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## 17<sup>th</sup> June (Friday)

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09:00 – 12:00 Discussion for future works

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12:00 – 13:30 Lunch

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13:30 – 17:00 Environmental / cultural experiencing activities

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## 18<sup>th</sup> June (Saturday)

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Departure

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# Mt. Lulin Symposium

14<sup>th</sup> June (Tuesday)

## 14:00 – 15:20 Session LL-1, chaired by Russ Schnell

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14:00 – 14:20 Long-term atmospheric monitoring and atmospheric research at the High Altitude Research Station Jungfrauoch (3580 m asl), Switzerland.

*Nicolas Bukowiecki, Paul Scherrer Institut, Switzerland*

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14:20 – 14:40 Standpoint of Mount Fuji Research Station and its use for observation of trans-boundary air pollution

*Shiro Hatakeyama, Center for Environmental Science in Saitama, Japan*

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14:40 – 15:00 Aerosol chemical properties at Mt. Lulin

*Chung-Te Lee, National Central University, Taiwan*

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15:00 – 15:20 Evaluation of long-range transport and source apportionment of atmospheric PCDD/FS in Mt. Lulin during 2010-2015.

*Kai Hsien Chi, National Yang-Ming University, Taiwan*

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## 15:20 – 15:50 Coffee Break

## 15:50 – 17:30 Session LL-2, chaired by Jia-Lin Wang

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15:50 – 16:10 A decade of greenhouse gas measurements at Mt. Lulin.

*Chang-Feng Ou-Yang, National Central University, Taiwan*

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16:10 – 16:30 Satellite-surface perspective of air quality and aerosol-cloud effects on the environment: An overview of 7-SEAS/BASELInE

*Si-Chee Tsay, NASA/GSFC, USA*

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16:30 – 16:50 Long-term measurements of solar radiation and aerosol optical depth at Mt. Lulin

*Carlo Wang, National Central University, Taiwan*

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16:50 – 17:10 The hygroscopic behavior revealed by a hygroscopic Differential Mobility Analyzer–Aerosol Particle Mass System

*Ta-Chih Hsiao, National Central University, Taiwan*

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17:10 – 17:30 Simulating the long-range and short-range transport for biomass burning aerosols from Southeast Asia to Mt. Lulin.

*Roger Chuang, National Central University, Taiwan*

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## 15<sup>th</sup> June (Wednesday)

**09:00 – 10:20 Session LL-3**

Data analysis discussion

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**10:20 – 10:40 Coffee Break**

**10:40 – 12:00 Session LL-4**

Regional network collaborations

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# Mercury Workshop

**14<sup>th</sup> June (Tuesday)**

## **14:00 – 15:20 Session HG-1, chaired by David Schmeltz**

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14:00 – 14:15	Update on the APMMN and progress on wet deposition sample analysis <i>Guey-Rong Sheu, National Central University, Taiwan</i>
14:15 – 14:30	Current status of Hg monitoring in India, research methods, and knowledge gaps <i>Asif Qureshi, Indian Institute of Technology Hyderabad, India</i>
14:30 – 14:45	Current atmospheric monitoring of mercury in Japan and relating NIES activities <i>Noriyuki Suzuki, National Institute for Environmental Studies, Japan</i>
14:45 – 15:00	Current operation and action plans of a national ambient mercury monitoring network in Korea <i>Rhokho Kim, National Institute of Environmental Research, Korea</i>
15:00 – 15:15	Progress on measurement of Mercury in air and precipitation in Thailand <i>Hathairatana Garivait, Environmental Research and Training Center, Thailand</i>

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## **15:20 – 15:50 Coffee Break**

## **15:50 – 17:30 Session HG-2, chaired by Guey-Rong Sheu**

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15:50 – 16:15	Update on mercury monitoring activities and plans in Vietnam <i>Nguyen Van Thuy, Center for Environmental Monitoring, Vietnam</i>
16:02 – 16:20	The fundamentals, importance and challenges of measuring atmospheric mercury speciation to support dry deposition estimates and models <i>Eric Prestbo, Tekran Research and Development, USA</i>
16:20 – 16:35	Mercury speciation, distribution, and control thoughts for coal-fired power plants in Taiwan <i>Hsing-Cheng Hsi, National Taiwan University, Taiwan</i>
16:30 – 16:50	Investigation of new habitats for mercury methylation <i>Chu-Ching Lin, National Central University, Taiwan</i>
16:50 – 17:30	Discussion

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**15<sup>th</sup> June (Wednesday)**

**09:00 – 10:20 Session HG-3**

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Lab Tour / APMMN Discussion

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**10:20 – 10:40 Coffee Break**

**10:40 – 12:00 Session HG-4**

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APMMN Discussion

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