



The 5th **Asia-Pacific GAW Workshop
on Greenhouse Gases**

Oct. 24-25, 2013 / Ramada Hotel in Jeju Island, Republic of Korea
Hosted by KMA Korea Global Atmosphere Watch Center

The 5th Asia-Pacific GAW Workshop on Greenhouse Gases

● First day (24th, Jeju Ramada Hotel)

09:00	Registration opens
■ Session 1. Welcome and keynote address (MC: Haeyoung Lee, KGAWC, Korea)	
09:50 ~ 10:00	Welcome / Won-Tae Kwon (Director General of Climate Science Bureau, KMA, Korea)
10:00 ~ 10:20	NOAA's role in insuring international greenhouse gas measurement quality / Edward J. Dlugokencky (GHG SAG Chairman, NOAA, USA)
10:20 ~ 10:40	The summary of IPCC WG I AR5 on Climate Change, 2013 / Won-Tae Kwon (Director General of Climate Science Bureau, KMA, Korea)
10:40 ~ 11:10	Photo time and Morning Break
■ Session 2. Asia-Pacific GAW activity I (Chair: Sungyoung Park, Kyungpook National University, Korea)	
11:10 ~ 11:25	Greenhouse gas monitoring activities and its characteristics in 2012, Korea / Haeyoung Lee (KGAWC/KMA, Korea)
11:25 ~ 11:40	Influence of Indian summer monsoon on surface CO ₂ and other greenhouse gases observations at the West Coast of India / Yogesh K. Tiwari (IITM, India)
11:40 ~ 11:55	Greenhouse gas monitoring activities in Bukit Kototabang, Indonesia / Sugeng Nugroho (BMKG, Indonesia)
11:55 ~ 13:00	Lunch
■ Session 3. Asia-Pacific GAW activity II (Chair: Jeong Sik Lim, KRISS, Korea)	
13:00 ~ 13:15	Establishment of continuous greenhouse gas observation capacity in Northern Vietnam through a Swiss-Vietnamese collaboration / Duong Hoang Long (NHMS, Viet Nam)
13:15 ~ 13:30	Present progress on greenhouse gas measurement at Lulin atmospheric background station (2862 m MSL) in central Taiwan and at Dongsha Island (Pratas Island) in South China Sea / Chang-Feng Ou-Yang (National Central University, Taiwan)
13:30 ~ 13:45	Development of Australian-Southeast Asian atmospheric observation capability / Marcel V. van der Schoot (CSIRO Marine & Atmospheric Research, Australia)
13:45 ~ 14:00	Greenhouse gas observation in New Zealand / Gordon Brailsford (NIWA, New Zealand)
14:00 ~ 14:15	The greenhouse gases observation and analysis at GAW stations in Malaysia / Mohd Firdaus Jahaya (MMD, Malaysia)
■ Session 4. WCC and Compatibility (Chair: Edward J. Dlugokencky, SAG Chairman, USA)	
14:15 ~ 14:30	SF ₆ calibration scale at ambient levels for Gas Chromatography with micro electron capture detector / Jeong Sik Lim (KRISS, Korea)
14:30 ~ 14:45	Compatible N ₂ O Data in the WMO-GAW Network: Still an issue that matters? / Rainer Steinbecher (WCC-N ₂ O, IMK-IFU/KIT, Germany)
14:45 ~ 15:00	Intercomparison experiments for greenhouse gases observation (iceGGO) in Japan / Masaomi Takahashi (WCC for CH ₄ , JMA, Japan)
15:00 ~ 15:15	Current activities of World Calibration Center for SF ₆ / Deulla Min (WCC-SF ₆ , KGAWC/KMA, Korea)
15:15 ~ 15:45	Coffee Break and Poster session

■ Session 5. Carbon Cycle, Other trace gases and new technology (Chair: Tae-Young Goo, NIMR, Korea)

15:45 ~ 16:00	CarbonTracker-Asia a tool to quantify global CO ₂ uptake/release focused on Asia / Chunho Cho (NIMR, Korea)
16:00 ~ 16:15	Preliminary results of CO ₂ retrievals from ground-based solar absorption FTIR spectrometer and its validation / Tae-Young Goo (NIMR, Korea)
16:15 ~ 16:30	Carbon budget and process network in a rice paddy / Joon Kim (Seoul National University, Korea)
16:30 ~ 16:45	The isotopic composition of N ₂ O: implications for trends in the relative contributions of microbial N ₂ O production processes / Sunyoung Park (Kyungpook National University, Korea)
16:45 ~ 17:00	Development of remote controlled dehumidification system for GHG analyzers and application to a measurement at a Korea Global Atmosphere Watch Center / Min Kyo Yin (GnL Co. Ltd., Korea)
17:00 ~ 17:15	Round robin and China GHG activity(preliminary) / Ling-Xi Zhou (CAMS/CMA, China)
17:15 ~ 18:00	Poster session
	1. Monitoring of atmospheric Radon-222 concentrations at Gosan site of Jeju Island, Korea in 2012 / Chang-Hee Kang (Jeju National University, Korea)
	2. Spatial and temporal variation of CO ₂ over Sumatra in 2004-2010 / Sugeng Nugroho (BMKG, Indonesia)
	3. FTS high resolution spectra change trend analysis based on solar intensity / Young-Suk Oh (NIMR, Korea)
	4. Development of the primary standards of SF ₆ at ambient levels / Dong Min Moon (KRISS, Korea)
18:00 ~ 20:00	Banquet

● Second day (25th, Technical Tour)

10:00 ~ 11:00	Station visit in Gosan, Jeju
11:00 ~ 12:00	Discussion
12:00 ~ 13:00	Lunch
13:00 ~ 15:00	Sight-seeing

