

Outline of the 3rd Asian GAW Workshop on Greenhouse Gases

Purpose

1. Introduce the current status and future planning of Sulphur Hexafluoride (SF₆) World Calibration Center (WCC), and to get an advice and support from the participants from various countries including SAG members. Dr. Jeongsoon Lee will talk about this right after me.
2. To share the data and analytical result of greenhouse gases, and to draw special attention to the increasing greenhouse gases in the Asian region.

Outline of the 3rd Asian GAW Workshop on Greenhouse Gases (continued)

□ Discussion session: Agendas for strengthening the Workshop

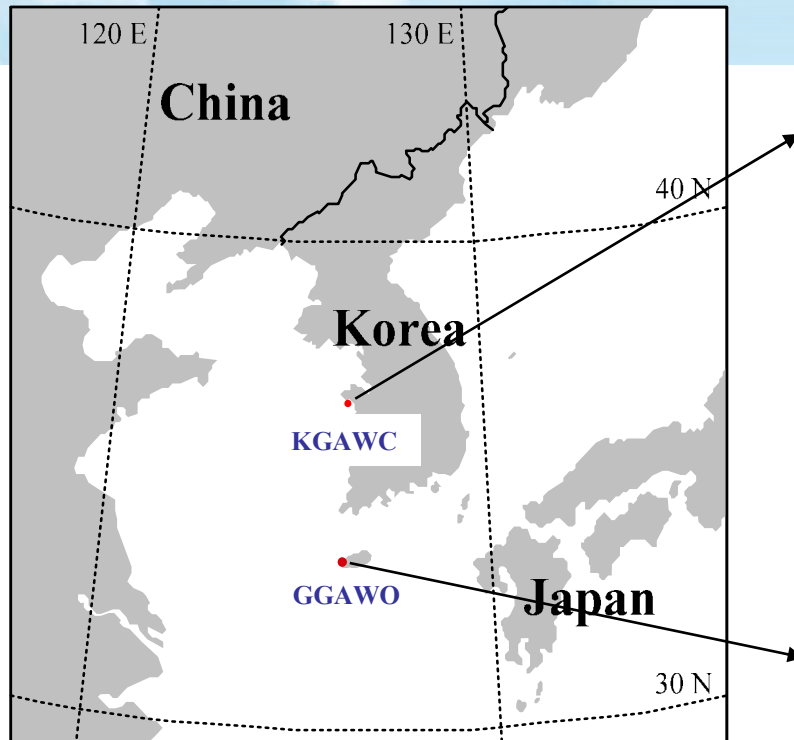
1. establish asian GAW network on greenhouse gases
2. publish the 2nd “Asian GAW Greenhouse Gases Newsletter”
3. future direction and ways to developing the workshop

Any businesses related to Asian GAW workshop will be communicated with member countries, which is attended at least in this meeting, and also will be decided by close consultation with WMO secretariat (Dr. Oksana Tarasova)

□ Field trip to the KGAWC (Korea Global Atmosphere Watch Center)

- Friday after lunch and plan to arrive Seoul Garden Hotel around 19:30

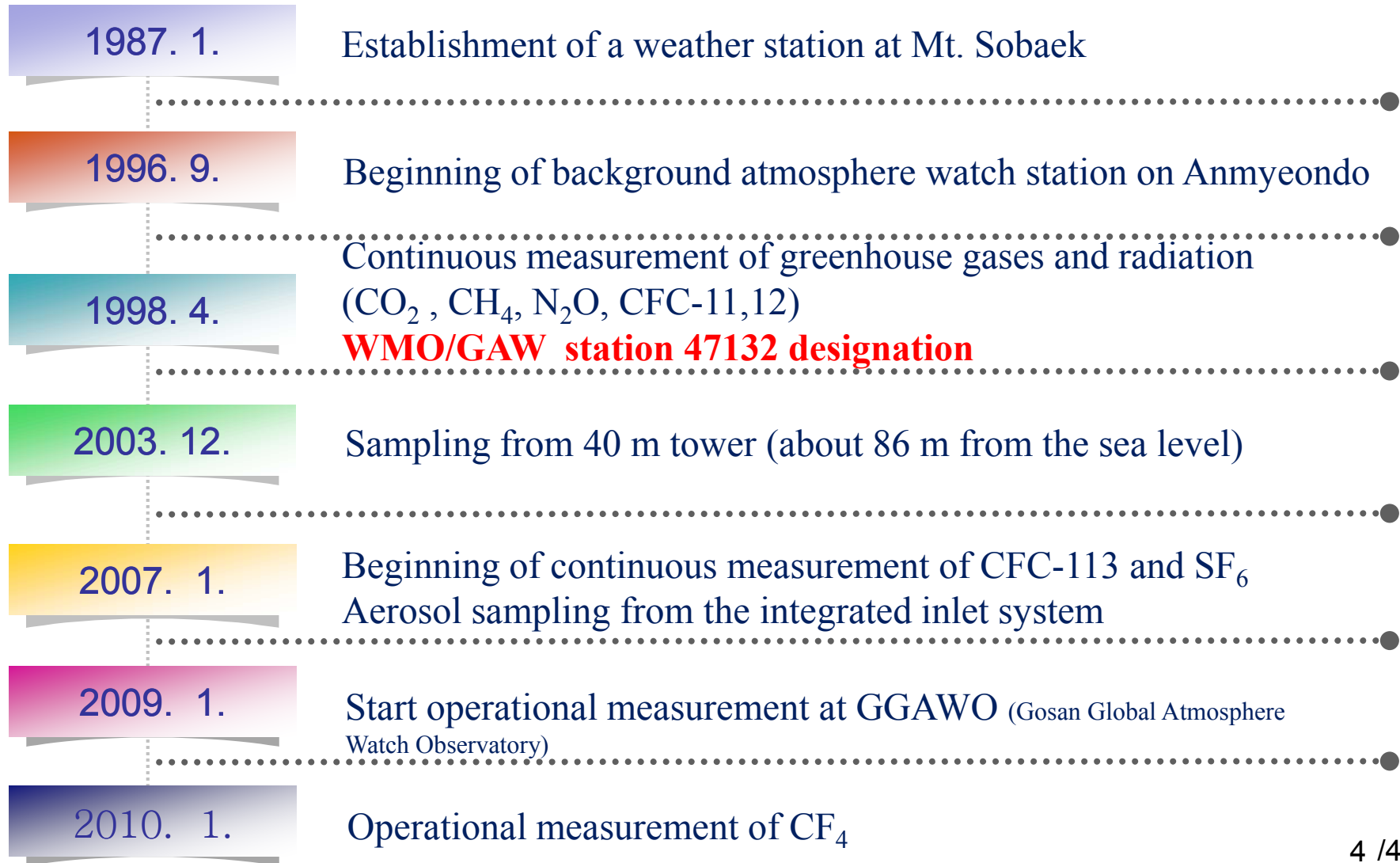
Where is ?



- Station Name : Anmyeon-do (KGAWC)
- Station Category : WMO Regional GAW Station (47132)
- Latitude/Longitude/Altitude : $36^{\circ}32'N$ / $126^{\circ}19'E$ / 45.7 m
- Station Name : Gosan (GGAWO)
- Station Category : Local Station for GAW

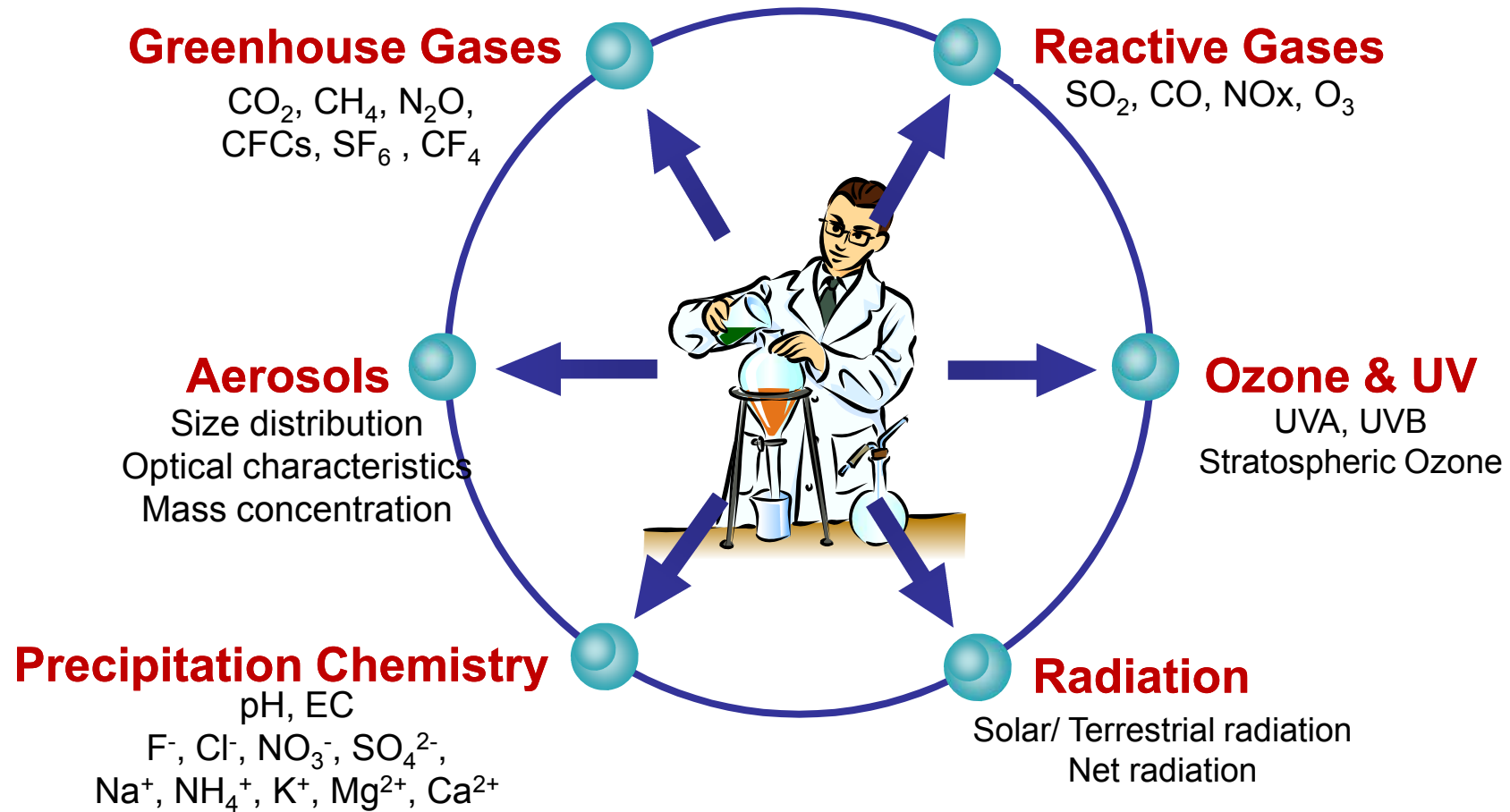


History of GAW Activities in KMA





Monitoring Areas in KGAWC



Observation items of KGAWC (Anmyeondo)

	No.	Parameter	Period		No.	Parameter	Period
Greenhouse Gases	1	CO ₂	1999 ~	Aerosols	20	TSP mass concentration / 9 ions	2001 ~
	2	CH ₄	1999 ~		21	PM ₁₀ mass concentration / 9 ions	1997 ~
	3	N ₂ O	1999 ~		22	PM _{2.5} mass concentration / 9 ions	1999 ~
	4	CFC-11	1999 ~		23	β-ray PM ₁₀ mass concentration	1999 ~
	5	CFC-12	1999 ~		24	Optical PM ₁₀ mass concentration	2008 ~
	6	CFC-113	2007 ~		25	Optical PM _{2.5} mass concentration	2009 ~
	7	SF ₆	2007 ~		26	Optical PM _{1.0} mass concentration	2009 ~
	8	CF ₄	2010 ~		27	Size distribution (0.3 ~ 10 μm)	2001 ~
Reactive Gases	9	SO ₂	2004 ~		28	Size distribution (0.5 ~ 20 μm)	2006 ~
	10	CO	2004 ~		29	Size distribution (0.01 ~ 0.487 μm)	2005 ~
	11	NO _x	2004 ~		30	Aerosol vertical profile	2003 ~
	12	Surface O ₃	2004 ~		31	Aerosol Optical Depth	1999 ~
Radiation	13	Direct Solar Radiation	1999 ~		32	Scattering coefficient	2003 ~
	14	Global Solar Radiation	1999 ~		33	Black carbon concentration	2003 ~
	15	Terrestrial Radiation	1999 ~		34	Dustfall : 9 ions	2004 ~
	16	Net Radiation	1999 ~		35	Stratospheric O ₃ vertical profile	2002 ~
Precipitation Chemistry	17	9 Ions	1997 ~		36	UV-B	1999 ~
	18	Acidity (pH)	1997 ~		37	UV-A	2008 ~
	19	Conductivity	1997 ~		Total : 37 parameters		



Plan of GAW activity

