

KMA's Training Activities

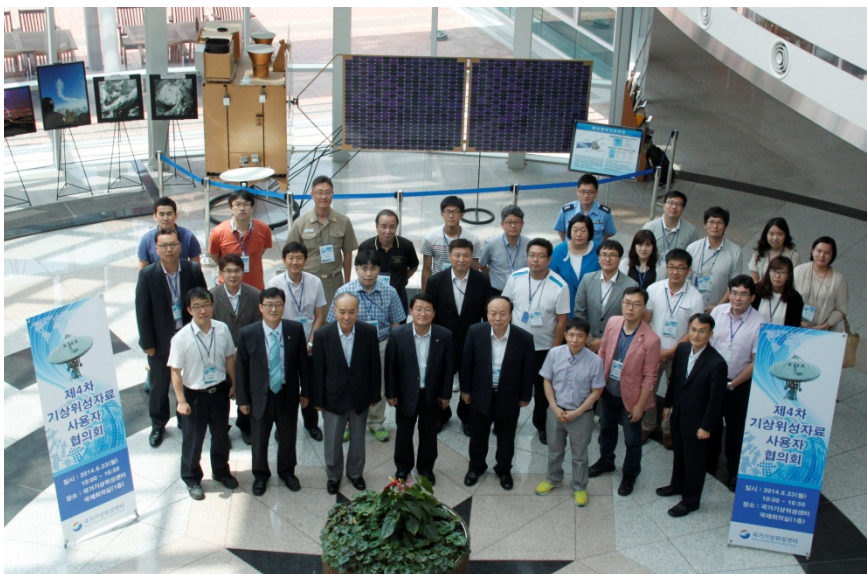
Dohyeong Kim

dolong@korea.kr

National Meteorological Satellite Center
Korea Meteorological Administration

Domestic Training Programs

- ◆ **Expert training program for forecasters**
 - Satellite image analysis, remote sensing etc
- ◆ **Operation of cyber lecture course**
 - Satellite meteorology for KMA staff
- ◆ **Specialized education on Satellite**
 - General course on Satellite
 - Satellite image analysis for weather forecast
- ◆ **Publishing the teaching materials**
 - Standardization text for the level of forecaster
- ◆ **Domestic user group workshop for COMS data utilization since 2006**



- ◆ **Training Program under the WMO VLab program**
 - Cooperation by bilateral and participation in WMO program
- ◆ **Contribution to WMO VLab TSO (2012, 2013 and continued)**
 - Contribution to VLab Technical Support Office as WMO Trust Fund
- ◆ **Support of ground and data processing system(2010-2012)**
 - Sri Lanka is the first country, and will expand to Asia-Pacific countries
 - Training of H/W system and S/W algorithm (20 Nov-3 Dec 2011, 10-23 Jun 2012)
- ◆ **WMO-KMA joint VLab HPTE (4-6 Oct 2012, NMSC/KMA)**
 - Lecturers: Dr. Purdom, Dr. Menzel, KMA, IPWG, CMA, JMA, and EUMETSAT
 - Participants: 20 including 5 KMA staff members
- ◆ **Regional Training Workshop (7-8 Oct 2013, Melbourne/Australia)**
 - Title : Preparation for Advanced Meteorological Imagers
 - 25 including remote session participants
- ◆ **Training Program “Analysis of COMS data”**
 - COMS data processing, image analysis and utilization etc
 - 2007 to 2013 / approx. 20 participants from 11-14 countries every years

◆ Backgrounds

In July 2012, NMSC/KMA completed the project that develops and establishes the COMS data reception/analysis system for Sri Lanka with assistance of KOICA (Korea International Cooperation Agency)

◆ Goals of training

- To provide operation techniques of COMS MI data reception/analysis system
- To deepen understanding on COMS meteorological products and its utilization
- To strengthen the ability of supporting weather forecast with COMS MI data

◆ Date/period

- Date/Period : (1st) Nov. 2011, (2nd) June 2012 / 4 weeks
- Venue : NMSC/KMA
- Number of Trainee : (1st) 7 persons / (2nd) 4 persons

◆ Contents

- Status and Plans of Meteorological Satellite Development in Korea
- Data Processing of COMS Meteorological Imager (MI)
- Operation of COMS reception / analysis system
- Techniques and Tools of Satellite Image Analysis

◆ Objectives

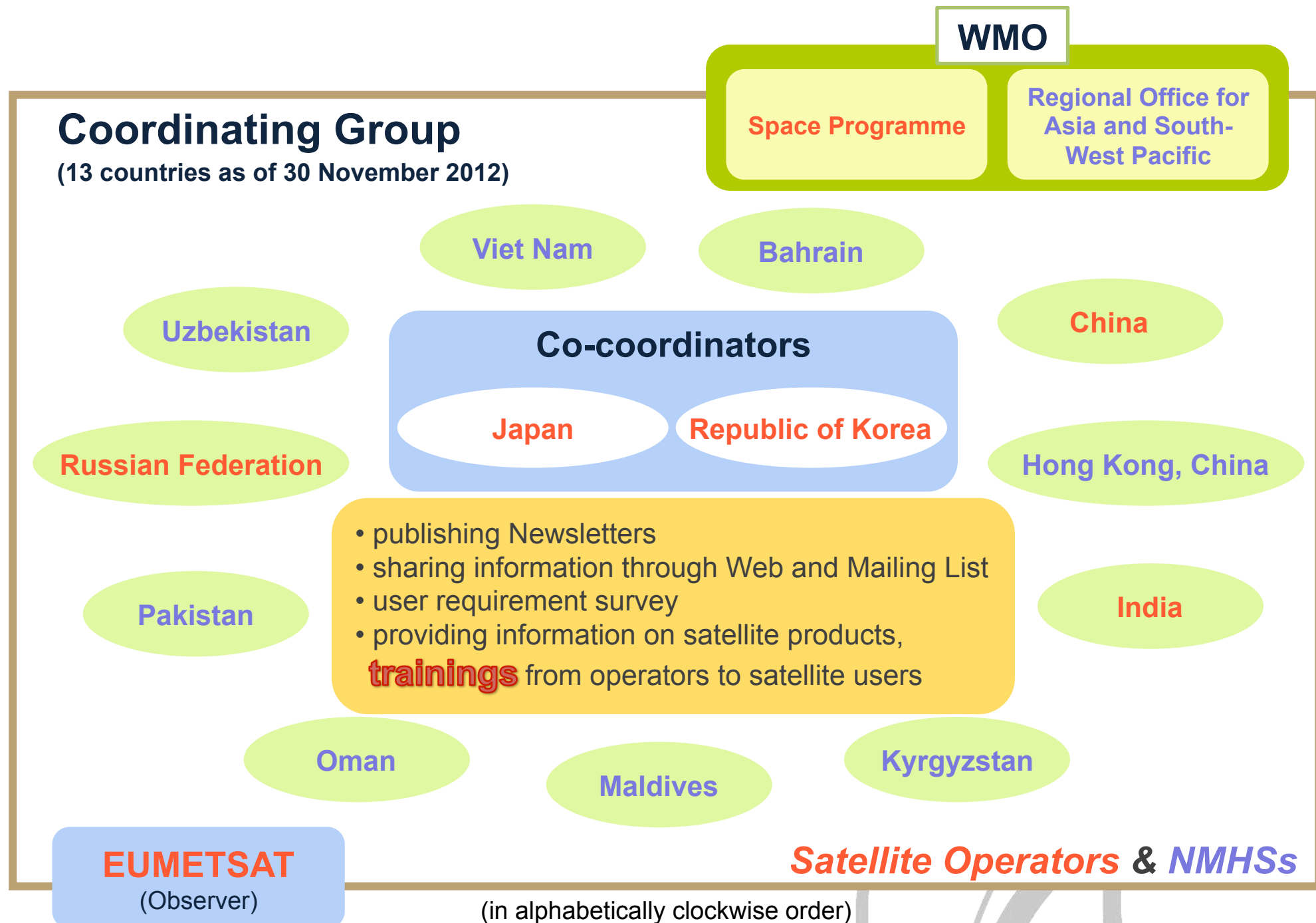
- Contribution to increase the use of COMS data for weather forecast
- Contribution to reduction of meteorological disasters obtaining satellite related technique and application

◆ Contents

- COMS image data and products
- COMS data processing system and utilization
- COMS data service and user stations
- COMS system, COMS program progress

◆ Participants

- 1st : Sep. 2 - 17, 2007 (13 participants/Asia-Pacific 13 countries)
- 2nd : Sep. 18 - Oct. 9, 2008 (13 participants/12 countries)
- 3rd : Sep. 3 – 24, 2009 (14 participants/14 countries)
- 4th : Aug. 26 – Sep. 18, 2010 (19 participants/11 countries)
- 5th : Sep. 2 – Sep. 22, 2012 (19 participants/13 countries)
- 6th : June 30 – July 30, 2013 (15 participants/8 countries)



Training Program: RAI VLab High Profile Training Event

- ◆ **Date** : 2012. 10. 4~6 (3 days) / NMSC, KMA
- ◆ **Contents** : WMO SP/VLab, NPP & Exercise, Real Time Weather Interpreting Satellite Imagery Exercise and Analysis, Satellite & their Orbit, COMS Data/Products(KMA), COMS Applications(Nowcasting, Tropical Storm), Rainfall(*IPWG*)*, Data(*CMA/ROSHYDROMET/JMA/EUMETSAT*)*
- ◆ **Lecturers** : James Purdom, Paul Menzel
IPWG, CMA, ROHYDROMET, JMA, EUMETSAT, KMA♪



* On-Line Lecture ♪

◆ Build up the dedicated web pages

- Share the previous training materials (Korean to English)
- Organize the discussion on the training activities with the COMS data

◆ Establishing online learning system

- Utilize the existing methodology
- Utilizing/delivering the contents provided by other CoEs

◆ Cooperation with

- WMO RAI WIGOS Project, Asia-Oceania Satellite User Groups

고맙습니다
Thank you

