



WMO-CGMS Virtual Laboratory  
for Education and Training in Satellite Meteorology

## **ACTIVITY REPORT**

Period: September 2012 to December 2013

Centre of Excellence: China - Nanjing **Error!**

## **GENERAL INFORMATION ABOUT THE CENTRE OF EXCELLENCE (CoE) AND THE DEVELOPMENT OF VLAB TRAINING ACTIVITIES**

### **1) What were the major achievements of your CoE during this reporting period?**

A total of twenty-one training courses were organized by WMO RTC Nanjing during the reporting period.

### **2) What were the main difficulties of your CoE during this reporting period?**

The online training courses have not been developed.

### **3) Who provides support in the production of your training materials (e.g. produced by own trainers, support from Satellite Operators, IT staff, University researchers and lecturers, etc)?**

Trainers of WMO RTC Nanjing and Nanjing University of Information Science and Technology, and researchers and lecturers of National Satellite Meteorological Centre of CMA

### **4) Is any kind of Learning Management System (e.g. Moodle, Blackboard, etc) used by your CoE to conduct training activities?**

None.

### **5) Is any kind of Online Conferencing System (e.g. Saba Centra, Blackboard Collaborate, GoToWebinar, etc) used by your CoE to conduct training activities?**

None.

### **6) What kind of training is provided to the trainers of your CoE and at what frequency?**

Attending the WMO organized workshop for trainers:

1. Training Seminar on the Management of Meteorological Training Institutions (Langen, Germany, 3-7 December 2012.)
2. WMO Regional Training Seminar for National Trainers of RAI and RAV (Bogor, Indonesia, 26 February-7 March 2013.)

### **7) Can you suggest ways for the VLab (including CoEs, Supporting Satellite Agencies, Partner Programmes, WMO Space Programme, VLab Co-chairs and TSO) to provide better support to your CoE?**

8) Please use the table below to list any training materials you may have developed over this reporting period:

Title of training material	Type of resource (e.g. text book, video, recorded presentation, Moodle course, webcast, PowerPoint slides)	Availability of resource (e.g. open educational resource <sup>1</sup> , institutional use only)	Submitted to ESRC (Yes/No)
All the training courses and Seminars	PowerPoint slides		

9) Is your CoE working closely together with the CoE's sponsoring Satellite Operator/Agency in VLab training activities? Can you suggest ways to improve this collaboration?

Yes. The RTC has been working closely with the National Satellite Meteorological Centre of CMA..

10) Please use this space for additional remarks you may wish to make relating to the delivery of training by your CoE.

11) The next page presents a table containing all training events entered by this CoE in the VLab Online Calendar of Events during this reporting period. Please complete the table with information about the number of trainees and Country of origin of trainees that attended the events. If the CoE had conducted other training events considered as part of their VLab activities, that for some reason were not submitted to the Online Calendar of Events, please add them to the table.

<sup>1</sup> Please also indicate if the Creative Commons License was applied to the resource.

Date	Title	Location	WMO region	Host	Type	Language	Number of trainees	Country of origin of trainees
DD.MM	Title of event	Use "online" if event was not offered in classroom			Course, RFG or Event Week			
29 August 2012-18 September 2012	Training Course on Climate Change and Climate Information Service for Developing Countries	Offered in classroom		WMO RTC Nanjing	Course	English	38	Mongolia(2), Bangladesh(2), Myanmar(2), Ethiopia(1), Ghana(2), Kenya(1), Malawi(2), Mauritius(2), South Africa(2), South Sudan(4), Uganda(1), Zambia(2), Guinea(2), Mali(2), Ecuador(2), Venezuela(2), Chile (2) , Cuba (4), Jamaica(1), Papua New Guinea(1), Vanuatu(1), Nepal(1),Moldova(1) DPR Korea(2), Vietnam(1), Laos(1), Thailand(1), Malaysia(1), the Philippines(2), Myanmar (1) , Nepal(1), Pakistan(2), Bangladesh(1), Sri Lanka(1), Maldives(1), Tajikistan(1), Kyrgyzstan(1),Kazakhstan(1)
17 September 2012-28 September 2012	International Training Course on Weather Forecast	Offered in classroom		WMO RTC Nanjing	Course	English	18	
19 September 2012-29 September 2012	Advanced Course for Civil Aviation Observers (in Mozambique)	Offered in classroom		WMO RTC Nanjing	Course	English	25	Mozambique
12 October 2012-1 November	Training Course on Meteorological	Offered in classroom		WMO RTC Nanjing	Course	English	24	Pakistan(2), DPR Korea(2), Maldives(1), Palestine(1), Ghana(1), Zimbabwe(2),

2012	Hazards Early Warning for Developing Countries Training Seminar on Application of Meteorological Satellite in Disaster Risk Reduction and Environment	Offered in classroom	WMO RTC Nanjing	Course	English	15	Malawi(2), Venezuela(2), Cuba(2), Samoa(2), Tonga(2), Guyana (4), Vanuatu(1)
2 November 2012-22 November 2012	Advanced Course for Civil Aviation Forecasters (in Mozambique) Training Seminar on Management of Meteorological Disasters and Emergency Service	Offered in classroom	WMO RTC Nanjing	Course	English	20	Pakistan(4), Vietnam(2), Nigeria(1), Mali(2), Cuba(1), Fiji(2), Tonga(2), Niue(1)
5 November 2012-16 November 2012	Advanced Course for Civil Aviation Observers (in Cape Verde)	Offered in classroom	WMO RTC Nanjing	Course	English	21	Mozambique
3 December 2012-23 December 2012	Advanced Course for Civil Aviation Observers (in Cape Verde)	Offered in classroom	WMO RTC Nanjing	Course	English	17	Pakistan(4), DPR Korea(3), the Philippines(1), Georgia(2), Mongolia(2), Myanmar(2), Malawi(5), Malaysia (1), Tonga(2)
10 December 2012-21 December 2012	International Workshop on	Offered in classroom	WMO RTC Nanjing	Course	English	78	Cape Verde
4 March 2013-8							Australia (1), Cameroon (1), Colombia (1), Ecuador (1), France

March 2013	Climate Data Requirements and Applications							(1), Kenya (2), Netherlands (1), Uganda (1), United Kingdom (1), USA (1), Zimbabwe (1), Bahrain (1), Bangladesh (1), Bhutan (1), DPRK (2), Indonesia (1), Japan (2), Kazakhstan (1), Kyrgyz (1), Lao PDR (1), Malaysia (1), Maldives (1), Mongolia (1), Pakistan (1), Russia (2), Saudi Arabia (1), Thailand (1), Viet Nam (1), Hong Kong China (1), China (32)
1 April 2013-10 April 2013	International Seminar on Methods of Short-term Climate Prediction Seminar on Climate Change and Climate Information Service for Developing Countries Training Course on Radar Meteorology for Developing Countries	Offered in classroom	WMO RTC Nanjing	Course	English	12		Jordan (1), Hong Kong China (1), Malaysia (1), Philippines (2), Indonesia (1), Thailand (1), Zimbabwe (1), Senegal (1), Bulgaria (1), Yemen (1), Kazakhstan (1)
25 April 2013-15 May 2013	Training Course on Radar Meteorology for Developing Countries	Offered in classroom	WMO RTC Nanjing	Course	English	18		Pakistan (5), Nepal (1), Egypt (2), Ghana (2), Zimbabwe (2), South Africa (2), South Sudan (2), Cuba (2)
17 May 2013-6 June 2013	Training Course	Offered in classroom	WMO RTC Nanjing	Course	English	14		Eritrea (1), Ghana (2), Grenada (2), Vanuatu (1), Maldives (1), Yemen (1), Nepal (1), Sierra Leone (2), Ethiopia (1), Myanmar (2)
20 May	Training Course	Offered in	WMO RTC	Course	English	6		Macau China

2013-31 May 2013	for Aeronautical Meteorology Observers Seminar on Management for Meteorological Officials from Developing Countries	classroom	Nanjing					
11 June 2013-1 July 2013	Applied Meteorology Course for Forecasters (AMCF)	Offered in classroom	WMO RTC Nanjing	Course	English	18	Sierra Leone (1), Uganda (2), Mali (1), Palestine (2), Ghana (2), Tanzania (2), Malawi (1), Dominica (2), Ethiopia (2), South Africa (2), Mauritius (1)	
9 September 2013-17 January 2014	International Training Course on Use of Meteorological Instruments	Offered in classroom	WMO RTC Nanjing	Course	English	3	Singapore Kuwait (2), Mauritius (1), Azerbaijan (1), Yemen (2), Kenya (1), South Sudan (1), Maldives (1), Sudan (2), Botswana (1), Indonesia (3), United Arab Emirates (2), Bulgaria (1), Bahamas (1), Uruguay (1), Togo (1), Nigeria (1)	
12 September 13-25 September 2013	Training Course for Aeronautical Meteorological Forecasters	Offered in classroom	WMO RTC Nanjing	Course	English	22		
16 September 2013-27 September 2013	Review of WMO and ICAO	Offered in classroom	WMO RTC Nanjing	Course	English	4	Macau China	
23 September 2013-27		Offered in classroom	WMO RTC Nanjing	Course	English	8	Macau China	

September 2013	Documents and knowledge for Meteorological Technicians (in Macau China)						
14 October 2013-25 October 2013	International Training Course on Tropical Cyclone Forecast WMO	Offered in classroom	WMO RTC Nanjing	Course	English	14	Pakistan (1), Oman (2), Kenya (2), Venezuela (1), Tajikistan (1), Yemen (2), Indonesia (1), Botswana (1), United Arab Emirates (1), Madagascar (1)
28 October 2013-1 November 2013	Interregional Training Workshop on Verification of Operational Seasonal Forecasts	Offered in classroom	WMO RTC Nanjing	Course	English	12	Philippines (1), Mauritius (1), Morocco (1), Argentina (1), Ecuador (1), Spain (1), United Kingdom (1), Belgium (1), Brazil (1), Kenya (1), Togo (1), India (1), China (1)
28 October 2013-8 November 2013	Agrometeorology International Training Course on	Offered in classroom	WMO RTC Nanjing	Course	English	17	Tajikistan (1), Mauritius (1), Burundi (1), Uganda (1), Niger (1), Burkina Faso (2), Egypt (1), South Sudan (1), Argentina (1), Yemen (1), Azerbaijan (1), Guyana (1), Cape Verde (1), Barbados (1), Uruguay (1), Botswana (1)