



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

## **ACTIVITY REPORT**

Period: September 2011 to August 2012

Centre of Excellence: China-Nanjing

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

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

During the period from September 2011 to August 2012, we hosted 13 international training programs covering variety of topics in meteorology. A total of 284 participants from all six WMO regions attended corresponding programs.

The international trainings together with our development of meteorological textbooks and web-based courseware contributed to furthering the development of meteorological undertakings throughout the world.

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

Given consideration to trainees' need of face-to-face trainings, our distance training platform relatively lacks strength and need improvement in terms of facilities and studios etc..

### **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)?**

The Government of China, CMA, NUIST, WMO and the RTC provide support in the development and production of the training materials.

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

We use blackboard, multi-media, lab practices and websites to conduct training activities.

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

We use web-based courseware and Saba Centra (for on-line meetings).

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

The trainers join international conferences and have on job trainings.

### **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?**



It is appreciated that the VLab could share more resources for on-line training and web-based courseware development so as to develop the blended learning approaches, combining the face-to-face training with the distance training.

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

<b>Title of training material</b>	<b>Type of resource</b>	<b>Availability of resource</b>	<b>Submitted to ESRC</b>
Short-Term Climate Prediction	Textbook	Open access	NA
Tropical Cyclone	Textbook	Open access	NA
Agro-Meteorology	Textbook	Open access	NA

**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.

We suggest continue and enhance resources sharing and conduct more practices for the program participants.

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

**Please complete the table in the next page with information about the training events organised by your CoE, as part of VLab activities, during this reporting period.**

**Alternatively, you may export the information you have entered in the Online Calendar of Events to Excel and just add the post-event information needed (i.e. number of participants and Country of origin of participants). You can then copy and paste your own table to the last page of this report.**

Date	Title	Location	WMO region	Host	Type	Language	Number of trainees	Country of origin of trainees
30 Aug. – 19 Sep. 2011	Training Course on Climate Change and Climate Information Service for Developing Countries	Nanjing	I, II, III, V, VI	RTC Nanjing	Course	English	34	Palestine, Ghana, Uganda, Nepal, Macedonia, Malawi, Bangladesh, Sierra Leone, South Africa, Mexico, Vietnam, Papua New Guinea, Nigeria, Zimbabwe, Lesotho, Zambia, Fiji, Myanmar, Kenya, Seychelles, Ethiopia
12 Sep. – 11 Oct. 2011	Training Course on Doppler Weather Radar Application	Nanjing	V	RTC Nanjing	Course	English	6	Indonesia
17 Oct. – 4 Nov. 2011	Training Course on Agriculture Meteorology	Nanjing	I, II, IV, V, VI	RTC Nanjing	Course	English	18	DPR Korea, Saudi Arabia, Malaysia, Philippines, Trinidad and Tobago, Tanzania, Bulgaria, Zimbabwe, Jordan, Thailand, Tajikistan, Kenya, Lao, China
14 Nov. – 25 Nov. 2011	Training Course on Weather Modification	Nanjing	I, II, V	RTC Nanjing	Course	English	17	Kenya, United Arab Emirates, DPR Korea, Indonesia, Philippines, Malaysia, Uzbekistan, Rwanda, Saudi Arabia
5 Dec. – 16 Dec. 2011	Training Course on Tropical Cyclone	Nanjing	I, II, III, V	RTC Nanjing	Course	English	31	Philippines, Kenya, United Arab Emirates, Zimbabwe, Venezuela, Thai, Saudi Arabia, DPR Korea, Ethiopia, Malaysia, Hong Kong China, China
6 Dec. – 19 Dec. 2011	Training Course on Cloud Seeding for Senegal Meteorological Service	Nanjing	I	RTC Nanjing	Course	English	3	Senegal

14 Dec. – 16 Dec. 2011	Training Course on Tropical Cyclone Ensemble Forecasting	Nanjing	I, II, III	RTC Nanjing	Course	English	37	China, Philippines, Kenya, United Arab Emirates, Zimbabwe, Venezuela, Thai, Saudi Arabia, DPR Korea, Ethiopia, Malaysia, Hong Kong China
15 Mar. – 15 Jun. 2012	Training Course on Weather Forecasters for Macau Meteorological Bureau	Nanjing	II	RTC Nanjing	Course	Chinese	3	Macau China
26 Mar. – 7 Apr. 2012	Training Course on Methods for Short-term Climate Prediction	Nanjing	I, II, V	RTC Nanjing	Course	English	23	Uzbekistan, Thai, Saudi Arabia, Solomon Islands, Kenya, DPR Korea, Pakistan, Indonesia, Yemen, Liberia, Tanzania, Senegal, Ghana, Uganda, Lesotho, Burkina Faso, Sudan
10 May – 30 May 2012	Training Course on Agro-meteorology for Developing Countries	Nanjing	I, II, III, IV, V	RTC Nanjing	Course	English	29	Uganda, Ghana, Sierra Leone, Vanuatu, Southern Sudan, Lesotho, Cuba, Guinea, Egypt, DPR Korea, Venezuela, Myanmar, Niger, Pakistan, Eritrea, Kenya, Nepal
11 Jun. – 22 Jun. 2012	Training Course on Radar Meteorology	Nanjing	I, II, V	RTC Nanjing	Course	English	22	Malaysia, Mongolia, Brunei, Tanzania, Thailand, Kenya, Ethiopia, Oman
2 Jul – 13 Jul.	International Seminar on Climate	Nanjing	I, II, V	RTC Nanjing	Course	English	23	Zambia, Nigeria, Benin, Ghana, Rwanda, Swaziland, Togo, Zimbabwe, Mali, Uganda,

2012	System and Climate Change							Gambia, Gabon, Guinea Bissau, Guinea, Sierra Leone, China, Pakistan, Vietnam, Tajikistan, Indonesia, DPR Korea, Saudi Arabia
29 Aug – 18 Sep. 2012	Training Course on Climate Change and Climate Information Service for Developing Countries	Nanjing	I, II, III, IV, V, VI	RTC Nanjing	Course	English	38	Ethiopia, Papua New Guinea, Ecuador, Cuba, Ghana, Kenya, Malawi, Mali, Mauritius, Bangladesh, Myanmar, Moldova, South Africa, Nepal, Surinam, Vanuatu, Venezuela, Uganda, Jamaica, Zambia, Chile