

## **Summary of Roving Seminar 2006**

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(Ha Noi, Viet Nam, 04-07 September 2006, ESCAP/WMO Typhoon Committee)

### **I. Organization**

1. The Roving Seminar of ESCAP/WMO Typhoon Committee was held in The Hall of Sunway Hotel, Ha Noi, Socialist Republic of Viet Nam, from 04-07 September 2006
2. The Seminar was attended by a total 75 participants, which included 3 lecturers from Hong Kong, China, Australia, Republic of Korea, 07 participants from Cambodia; Hong Kong, China; Lao PDR; Malaysia; Philippines; Thailand and 65 local participants. (The list of participants is given in Appendix I)

### **II. Opening**

The opening ceremony was declared open by Dr. Bui Van Duc, Director – General of the National Hydro – Meteorological Service, Ministry of Natural Resources and Environment, Socialist Republic of Viet Nam at 8.40 hrs on Monday, 04 September 2006 in Sunway Hotel, Ha Noi. (Appendix II)

The following statement was delivered by Dr. Johnny Chan, City University of Hong Kong, Hong Kong, China.

### **III. Adoption of the Program**

The Seminar adopted the Program as shown in Appendix III

### **IV. Working Seminar**

1. 07 participants presented the hydro - meteorological forecasting status of their countries.
2. After the Country Reports, Professor Johnny Chan presented 3 lectures aimed at enhancing the participants understanding on the theoretical aspects of tropical cyclone formation. These lectures included topics on the physics of tropical cyclone motion; Structure Changes of a Tropical Cyclone; and Convection, Track and Wind Changes Associated with Tropical Cyclone Landfall.
3. Mr. Baek Jo Kim, Head of Typhoon Research Team, Korea Meteorological

Administration gave the lecture on Understanding and Forecasting Tropical Cyclone Intensity Change – Recent Operational and Research Activities.

4. The last lectures were given by Mr. Joe Courtney from the Australian Bureau of Meteorology. The lectures included topics on Dvorak interpretation, Microwave imagery interpretation; Quikscat interpretation; Consensus Track forecasting techniques and Operational Tropical Cyclone Procedures in the Bureau of Meteorology.

The participants expressed their thanks to the lecturers for their high standard presentations which helped to improve their knowledge on tropical cyclones. The combination of theoretical and practical techniques was highly appreciated by participants.

## **V. Discussion and Recommendations**

Mr Chan: City University of Hong Kong: suggested the next roving seminar include hands-on practical use of remote sensing techniques for tropical cyclone forecasting. He also suggested a focus on the formation of tropical cyclones close to land.

Mr Kim: Suggested that the next roving seminar include training on use of surface observations and radar to locate the tropical cyclone position. He also suggested that the lecture notes be distributed in the native language of participants.

Mrs Chau: In addition to Dr Chan's suggestion of practical use of remote sensing techniques, suggested training on the use of all available information for tropical cyclone forecasting in general.

Mrs Phuong: Asked for more roving seminars to be held in Vietnam.

Mrs Vennereth: Suggested to include in roving seminar topics on tropical cyclones in the Indian Ocean and ENSO phenomena relationship with tropical cyclones and rainfall.

Mr Courtney: Suggested topics on forecasting rainfall associated with tropical cyclones and the monsoon.

## **VI. Closure of the Seminar**

The participants from the Members of the Typhoon Committee expressed their thanks and appreciation to the Government of Viet Nam, the national Hydro-Meteorological Service (NHMS) of Viet Nam for the successful hosting of the Roving Seminar and staff of NHMS for the excellent arrangements made to ensure the success of the Seminar

The Seminar was closed by 5pm on Wednesday 7 September 2006.



Fig. 1. Group photo of the lecturers and participants of the Typhoon Committee Roving Seminar in Hanoi(4-7 September 2006).