

**JMA/WMO Training Workshop on  
Calibration and maintenance of Meteorological instruments in RA II (ASIA)**

**Country Report**

Vinliam Bounlom  
Ministry of Natural Resources and Environment (MoNRE),  
Department of Meteorology and Hydrology (DMH)  
Lao P.D.R.

**Summary**

1. Role of Department of Meteorology and Hydrology (DMH)  
DMH is Government organization, under Ministry of Natural resources and Environment (MONRE). Responsibility of DMH are follows:
  - manage the national network and data transmission system for meteorology, hydrology and earthquake
  - Collect, compile, analyze and publish data on meteorology, hydrology and earthquake, and
  - Raise awareness on meteorology, hydrology and earthquake regarding national development and natural disaster management.
  
2. Surface observation station  
DMH observes only the surface and has not yet to observe upper air. The Meteorological network in Lao PDR consists of 17 main synoptic Meteorological stations, 1 automatic station, and 33 climatology and Agro meteorological stations  
Rainfall stations 93 stations, 1 Doppler radar (provided from Japan) and MTSAT\_1R sources from JMA and 2 Earthquake observed stations (provided from China).
  
3. Instrument in operation use  
Instruments used are Barometer, Barograph, Thermometer, Thermograph anemometer, sunshine recorder, Hygrograph, Rainfall gauge. Instruments  
Manufactured by LAMBRECHT GERMANY and product from China and Japan.
  
4. Problem Facing  
Problem we are facing are lack of Human resources, lack of equipments  
Such as knowledge of maintenance and observation skill and experiences
  
5. Standard instrument and calibration  
No any calibration instrument and knowledge
  
6. Organization Future plan  
DMH has been striving for its improvement on both capabilities of human resources and technical facilities (Instrument for operating use, standard and equipment for calibration), and also plan to observe upper air and to buy new instrument for calibration.