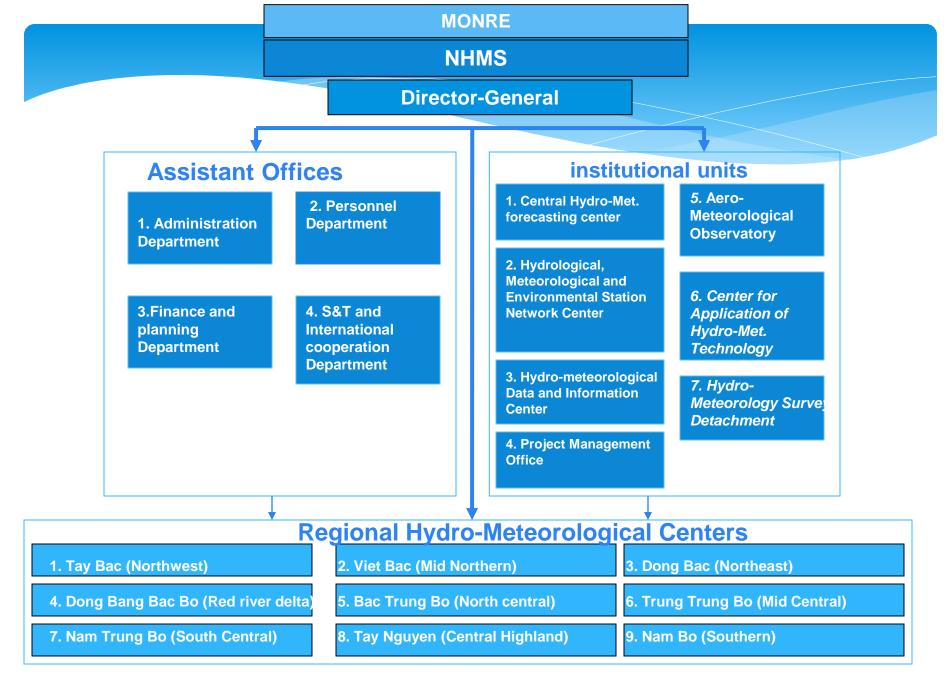


Ministry of Natural Resources and Environment National Hydro-Meteorological Service

BRIEF INTRODUCTION OF NHMS's ORGANIZATION STRUCTURE AND ACTIVITIES IN VIET NAM



Organization chart of NHMS

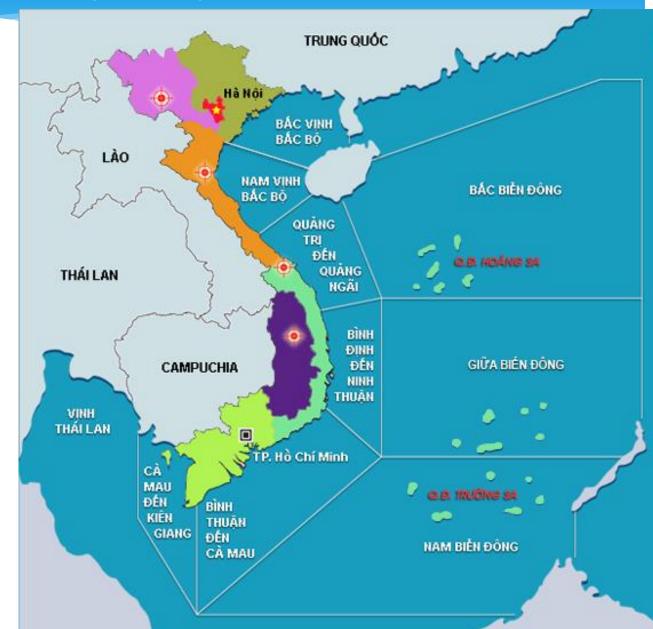
Functions of each forecasting level

Typhoon analysis and forecast **Central Hydro-**Marine Met. Forecasting Daily, medium- and long-term forecasts Center weather forecasts. Flood forecast Forecasts of heavy rain, cold surge, hot and dry weather. TV, VOV, Warnings of severe weather **Background forecast** Coast phenomena. broadcast radio stations Regional Hydro-Met. Weather and hydrological Center short- and long-term forecasts **GTS** for a region **Forecasts** Weather and hydrological short-**Provincial Hydro**and long-term forecasts for a

Met. Center

province.

Area of responsibility on Hydro-Met. forecasts



- 1 The North west
- **2** The northeast
- 3 The north of central VN
- The south of central vn
- **5** central High land
- **6** The southern region

Hydro-meteorological data collection

Surface Meteo. Stations: 186 Raingauge sites : 889 (414+475)

Radiation: 14

* Hydrological Stations: 232

Marine Met. Stations: 23

Aero- Meteorological Observation

* Radiosonde stations: 6

* Wind-gauge by theodolite: 8

Ozone and UV: 3Weather radars: 7

Air and water environment observation stations: 179

Automatic stations: 10

Dust/rain water quality: 16

River Water Quality: 51

Reservoir water quality: 4

Coastal water quality: 6

Salinity: 91

Climate Change Monitoring Station: 1

Satellite receiving and processing station

Data available:

Geostationary satellite (48sets/day): MTSAT-1R, CMACAST,

Polar-orbiting satellite: NOAA series and FY-1D, Himawari 8.

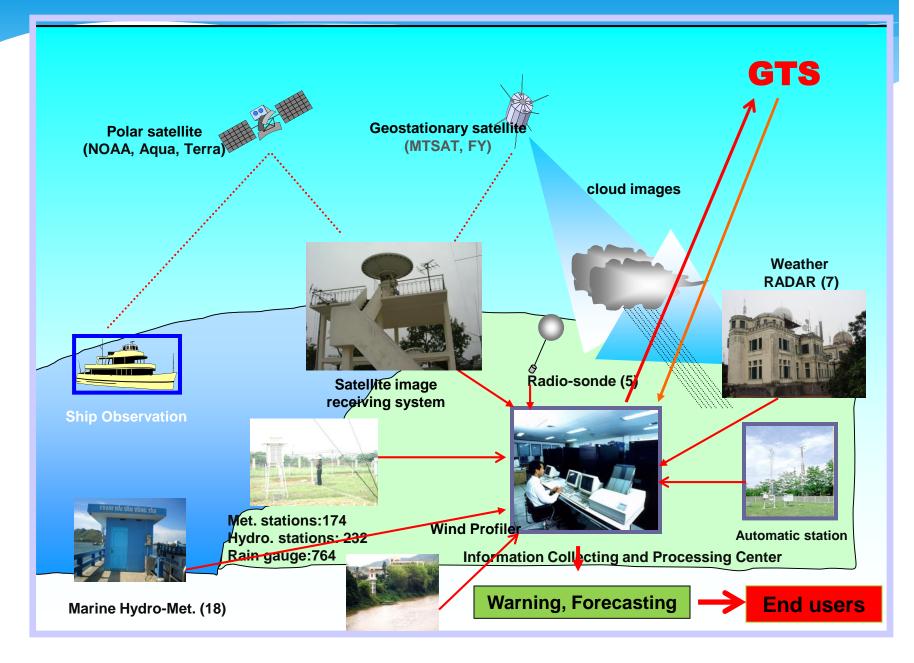
Microwave: Internet





TRẠM HẨI VĂN VŨNG TÀU

HYDRO-METEOROLOGICAL DATA COLLECTION SYSTEM



Science, technology activities

Research work focuses on improving the quality of:

- forecasting, disaster prevention service;
- hydro-met. investigation, exploiting effectively modern machineries, equipments;
- hydro-met. data achieves and services
- Weather modification is implemented at Vietnam in the war by US. After that, there are some researched in cloud seeding but it is too expensive to implement.

International Cooperation activities

Multilateral Cooperation:

Viet Nam is a member of WMO since 1955 and succeeded in 1976.

Viet Nam has relations with various organizations: UNDP, UNEP, UNESCO, ESCAP, APEC, Typhoon Committee, ASCMG, WB, ADB, ADPC, Me kong River Commission, etc.

Bilateral Cooperation:

Republic of Korea, Russia, Australia, US, Japan, Italy, Finland, Denmark, Norway, Lao PDR, China, ...

























Thank you!