Hydro-Met Services and Inter-Agency Collaboration

Greg Browder Global Lead for Water and Resilience World Bank Water Practice



Challenges to Interagency Cooperation

- Meteorological and Hydrological Responsibilities Often Separated
- Multiple Agencies Collect Hydrological Data
- ➤ Need Policy, Law, Regulations and/or Coordinating Body





Example of Thailand

National Hydroinformatics and Climate Data Center

2012-2015

2016





240 data items





























+21 agencies

377 data items from 29 agencies (as of date)

Collaboration Is Important Because Hydro-Met Information Serves Multiple Purposes Across Time Scale

Months Hours Days Years Decades · Infrastructure development · On-line monitoring Reservoir operation Flash flood forecasting Water allocation Water and environmental Solutions Real-time control Seasonal forecasting planning Emergency management **Drought management** · Climate change · Flood forecasting and Reservoir sedimentation adaptation early warning management

Hydrometeorological Information Fundamental to Design and Operation of Hydraulic Infrastructure





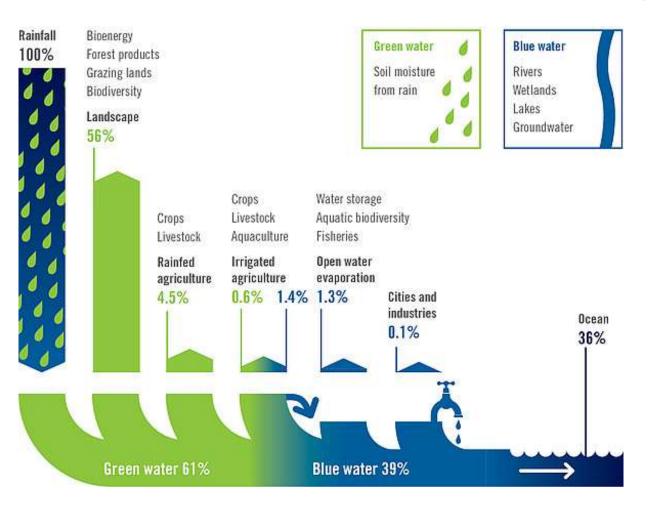








New Perspectives on Hydrology



ET Monitoring

Water Accounting

Africa Agriculture