

Hydrology Project Phase – III

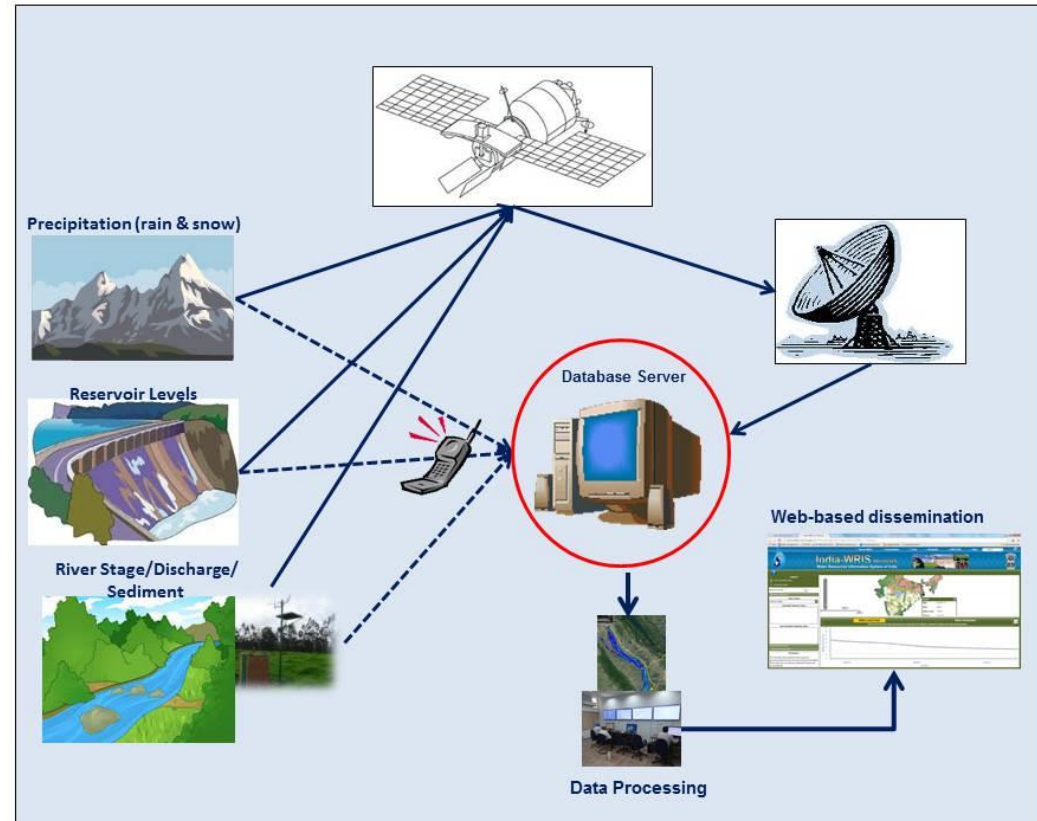
Approach towards Integrated Water Resources Management

**“India Water Resources Management Programme:
Hydrology Project”**

www.indiawrm.org

Avanish Kant
Ministry of Water Resources, River Development & Ganga Rejuvenation

**GW data
validation
technique?**



HYDROLOGY PROJECT – Journey Ahead



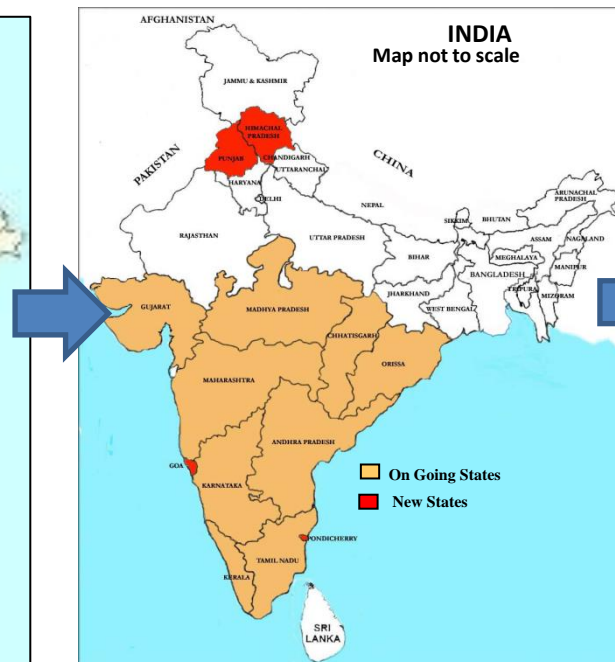
India Water Resources Management Programme: Hydrology Project

HP-I



- 9 States
- 6 Central Agencies

HP-II



- 13 States
- 8 Central Agencies

HP-III



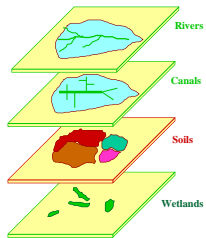
**Across All Indian States
and UTs**

Objectives of India Water Resources Management Programme: Hydrology Project

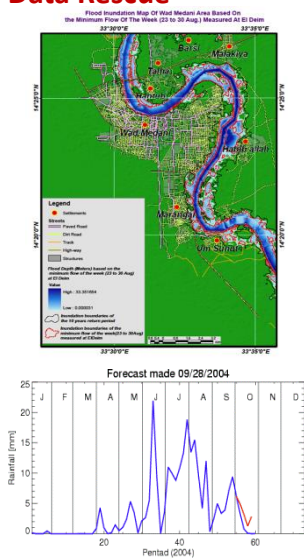


- **Standardize Water Resources monitoring and information system for the country with uniform procedures and database.**
- **Modernize water resources assessment at spatio-temporal scale for improved planning and management using physical and remote sensing based techniques.**
- **Introduce country wide generic solutions for flood forecasting and water resources management.**
- **Introduce site specific solutions for water resources planning and management.**

Vision for National Water information Center

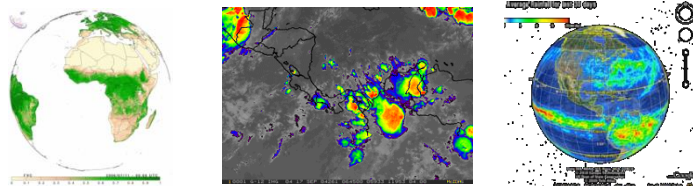


GIS and other datasets Data Rescue



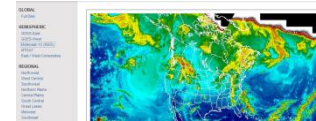
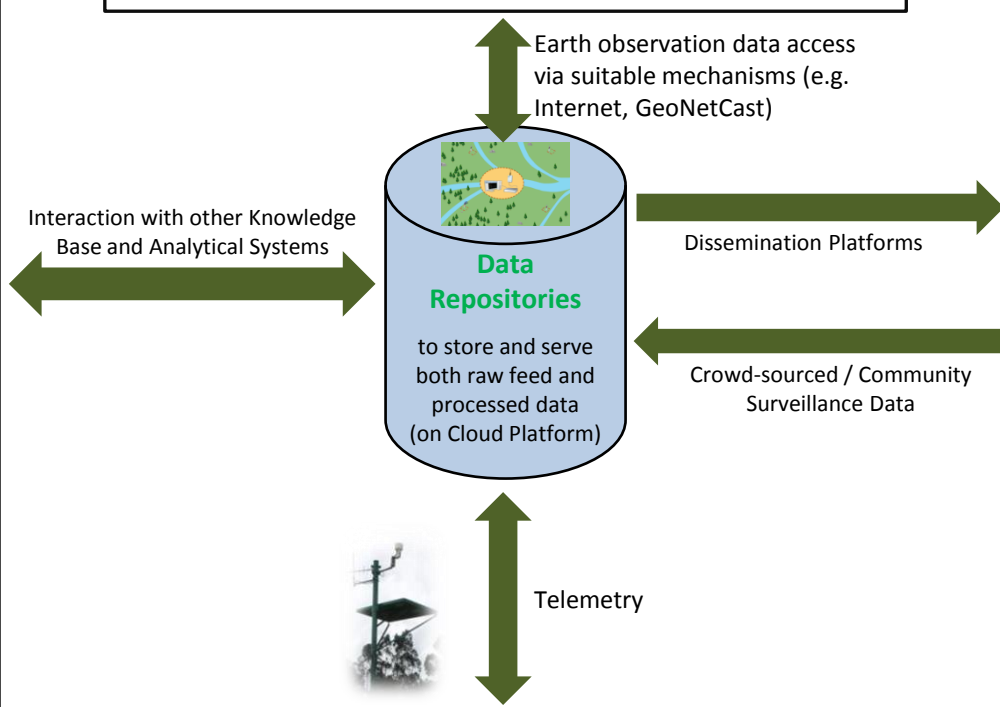
Data Management & Modeling
(for weather, hydrological, inundation & other forecasts – short-term and seasonal)

“Top-Down” Data Acquisition System



Satellite Earth Observation

Earth observation data access via suitable mechanisms (e.g. Internet, GeoNetCast)



Web Portals
(e.g. integrated hydromet visualization platforms)



Stakeholder Alerts



Operational Control Rooms



Manual Monitoring Automated Monitoring Radars
“Bottom-up” Data Acquisition System

Thanks for your kind attention