

Discussion results of climate change assessments and adaptations of Drought WG

What is a key mission?

- to carry out a long term monitoring of SM, SM, precipitation, air temperature and snow by in situ and satellites with studying the definition of drought (for climate change assessments)
- to present an early warning system including seasonally forecasting (for adaptations)

Methodology

Step 1 for Climate and Bio-Physical Drivers

- Monitoring system and data analysis of precipitation, soil moisture, phenological elements, evapotranspiration, air temperature, land use, discharge and groundwater
- Numerical model experiments

Step 2 for Socio-Economic Drivers

- Impact assessments
- Early warning system
- Stakeholders

Implementation Strategy

1. Sharing observation capability
2. Sharing long term data
3. Sharing data infrastructure and climate projection data sets
Need to obtain easily the products of GCMs.
4. Sharing hydrological models including down scaling methods
5. Sharing regional characteristics of the climate change impacts on river flow regimes

Implementation Plan

Implementation Schedule