**DAM SAFETY: COORDINATED OPERATION OF TRANSBOUNDARY CASCADE DAMS**

**RISKS**

- **Climate extremes**
  - + Extreme floods
  - + Prolonged droughts

- **Dam failures**
  - + Loss of lives, properties & services
  - + Regional insecurity
  - + Environmental damage

- **Uncordinated operation**
  - + Energy underproduction
  - + High & low releases
  - + Inefficiency of irrigation water use
  - + Evaporation loss

**ACTION**

- **Adaption strategies**
  - + Strengthen forecasting system
  - + Drought & flood management plans

- **Dam safety standards**
  - + Institutional & legal framework
  - + Setting construction, operation & safety standards

- **Regional cooperation**
  - + Regional optimized planning
  - + Setting up basin organization
  - + Standardize tools

**BENEFITS**

- **Flood & drought control**
  - + Reliable water supply
  - + Resilient economies

- **Functional safety**
  - + Safety of downstream lives, property & environment
  - + Regional security
  - + Sustained economic services

- **Maximized returns**
  - + Energy uplift
  - + Irrigation expansion
  - + Improved navigation
  - + Sustained environmental flow