

International River Summit-2019

## Building a Sustainable and resilient future through water

### Theme3: Threats to Water resources and Food Security

- Risk Management for Disasters and Climate Change
- Managing Water under Uncertainty and Risk. Hydrologic Modeling and watersheds, Land use change; Climate change effects, Drought and water scarcity, Floods and disasters and debris flows and there assessment and Management.
- Extreme weather events. Combat desertification; restore degraded land and soil, including land affected by desertification.
- Flow reduction in rivers, contamination in ground water, water table fluctuations, river siltation and meandering.
- Agriculture in uncertain climate. Climate effects on Plant, Human, soil;
- Threats to fisheries and sea water habitants; Ecosystem challenges and Biodiversity.
- Climate change mitigation, as many efforts to reduce carbon emissions and to sustain carbon storage in plants and soil rely on water availability. Environmental Assessments, Protection and Challenges.

#### Action:

Threats extent Assessment & Prediction, models, studies

#### Keywords:

- Climate change , disaster, soil degradation,
- Hydrology, watersheds, Forests
- Threats to Food security, Agriculture and fisheries

