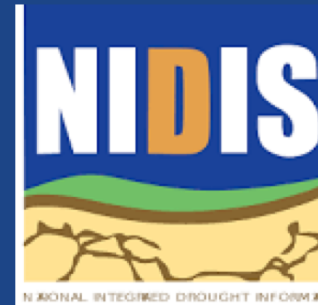


# TWDB-UTA-NIDIS Workshop on Forecast Informed Reservoir Operation and Water Resource Management

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# Organizing Agencies



# Welcome!

# Contributing Agencies



# Motivations

- Water-related hazards are on the rise over the region
  - Drought of 2010-2013
  - Memorial Day Flooding 2015, Hurricane Harvey 2017
- Reservoir management under spotlight

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- Water-related hazards are on the rise over the region
  - Drought of 2010-2013
  - Memorial Day Flooding 2015, Hurricane Harvey 2017
- Reservoir management under spotlight
- Weather and water forecasts undergoing improvements
  - The “last-mile” gap: how to act on forecast
  - Need to identify user needs

# Motivations

- Forecast-informed reservoir operation
  - What is the state of practice in TX and OK?
  - What are the proven and emerging paradigms across the nation?
  - What are the sector/entity/user-specific information needs that forecasts could address?
  - What are the unique challenges in adopting forecast?

# Overarching Aims of the Workshop

- Learn from entities in other parts of the nation that have integrated, or are in the process of integrating, forecasts in operational decision-support tools
  - A cross-region dialog and platform for sharing experience and expertise

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- Identify current and emerging NOAA operational products that can be readily used, for example, in the context of FIRO.
  - Help inform regional entities about what NOAA has to offer
  - Help NOAA identify and refine priorities in product rollout



# Overarching Aims of the Workshop

- Understand the concerns that water operators in Texas and Oklahoma have with using seasonal and sub-seasonal climate forecasts.
  - What are the requirements on accuracy, frequency, and geographic specificity of forecast?

# Layout of the Workshop

Session 1: Perspectives and strategic vision from state and federal agencies

Session 2: FIRO initiatives and experiences by entities outside the region and in the region

Session 3: NOAA forecast and research to operation efforts

Session 4: Perspectives from regional entities, challenges, and opportunities for collaboration

# Layout of the Workshop

- Sessions 2-4 will be followed by discussions, and the discussions will be summarized by session rapporteur(s)
- The summaries will be used to draft a report to NOAA
  - An excerpt will be sent to the Bulletin of the American Meteorological Society (BAMS) for potential publication as a meeting summary.