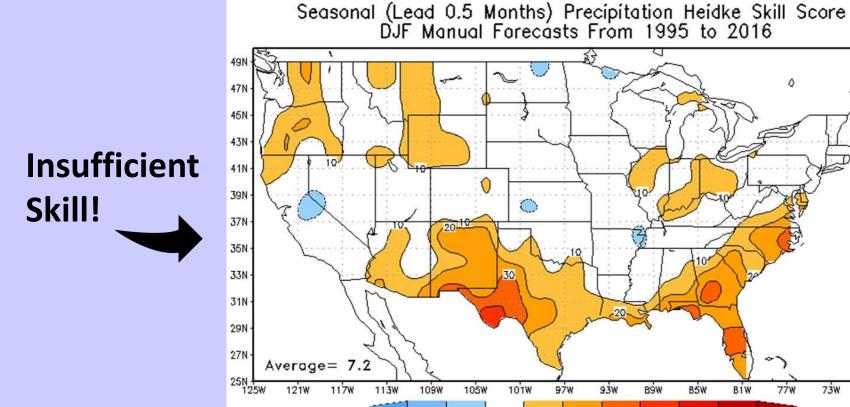
Improving S2S Precip Forecasting for Water Supply Management



Jeanine Jones, Western States Water Council & CDWR

69W

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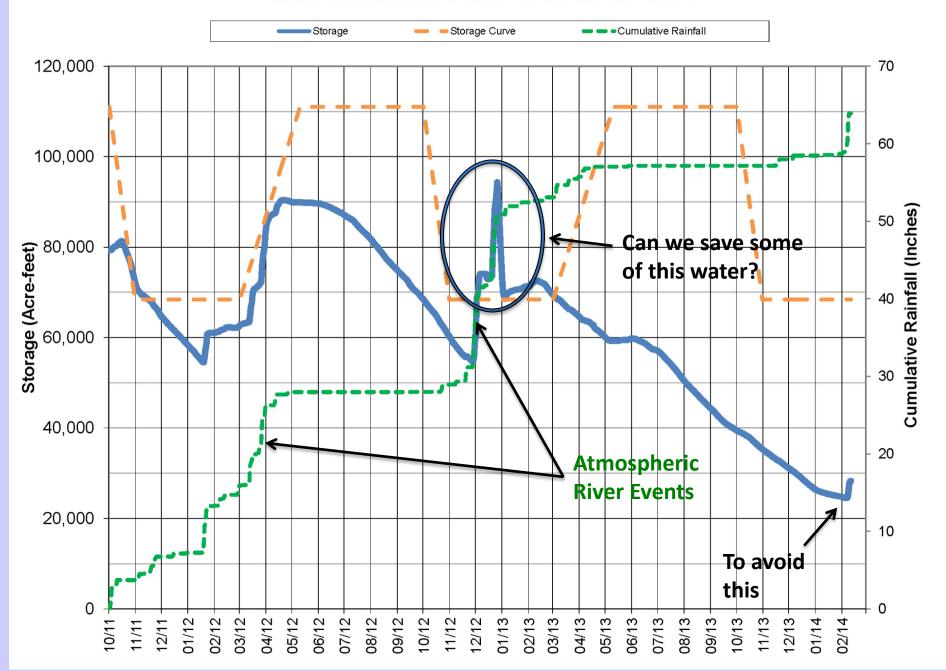
Lead Time Very Important for Water Management

- Public health & safety decisions
- Balancing risk/cost trade-offs
- Increasing water management efficiency
- Optimizing water infrastructure operations
- Operating within legal & regulatory frameworks, administering water rights
- Reducing impacts of extreme events





Lake Mendocino Water Years 2012 - 2014

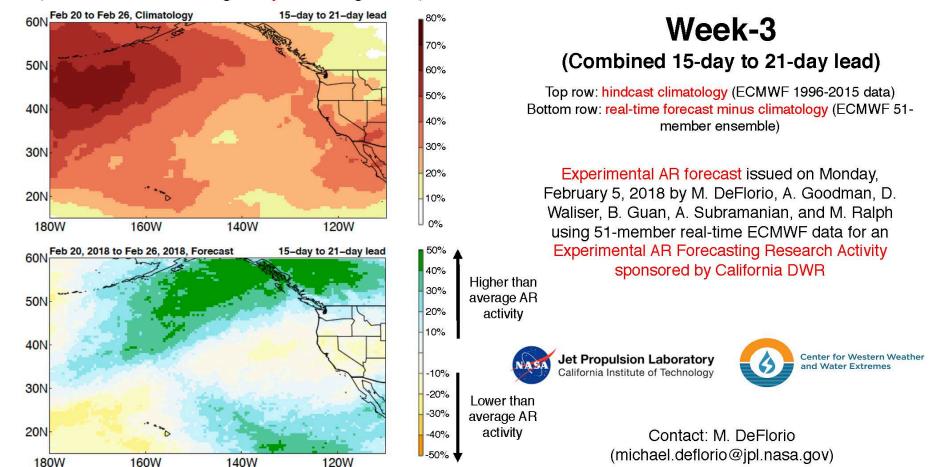


It's November 15th, will this winter be wet or dry? It's January 15th, will the rest of this winter be wet or dry?

State of California investment of >\$40M in extreme precip obs & research

EXPERIMENTAL AR FORECAST

February 5, 2018 forecast: probability of AR occurrence during week-3 (chance of an AR occurring at any time during week-3)



Schematic illustration of regional variations in the primary weather phenomena that lead to extreme precipitation, flooding and contribute to water supply in the Western U.S.

