

Integrating NASA Earth Systems Data into Decision-Making Tools of Member Utilities

NASA Earth Science Applications:
Water Resources Award # 80NSSC19K1199



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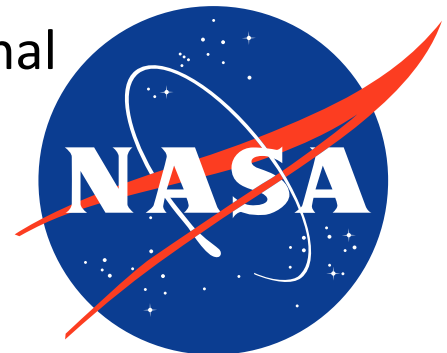
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Water Supply Authority

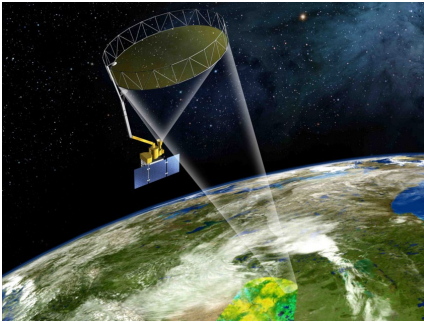
Karen Schlatter, University of Florida



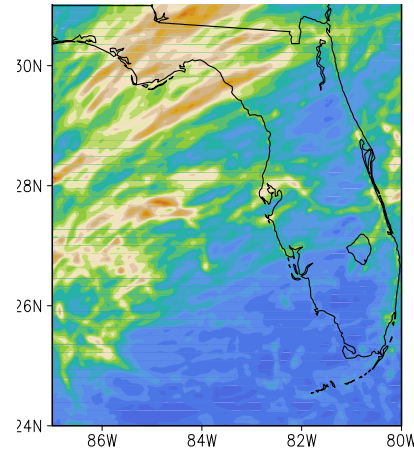
Project Summary



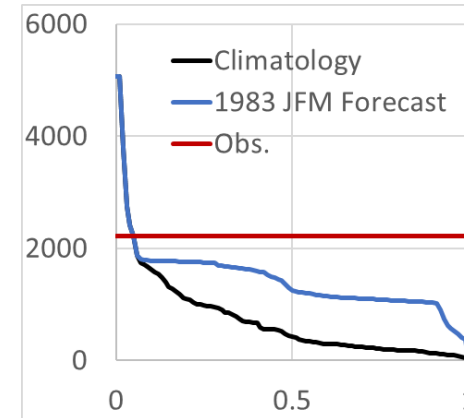
Remotely Sensed Data



Regional Seasonal Climate Forecasts



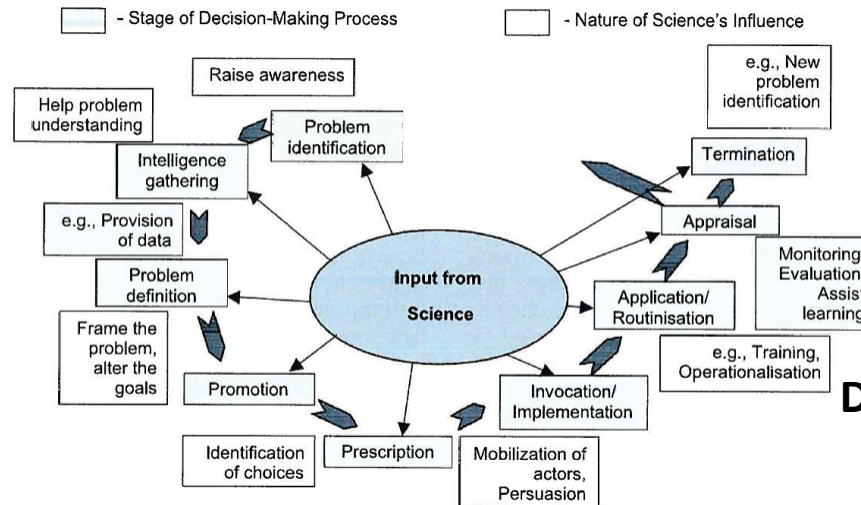
Seasonal Hydrologic Forecasts



Source Allocation



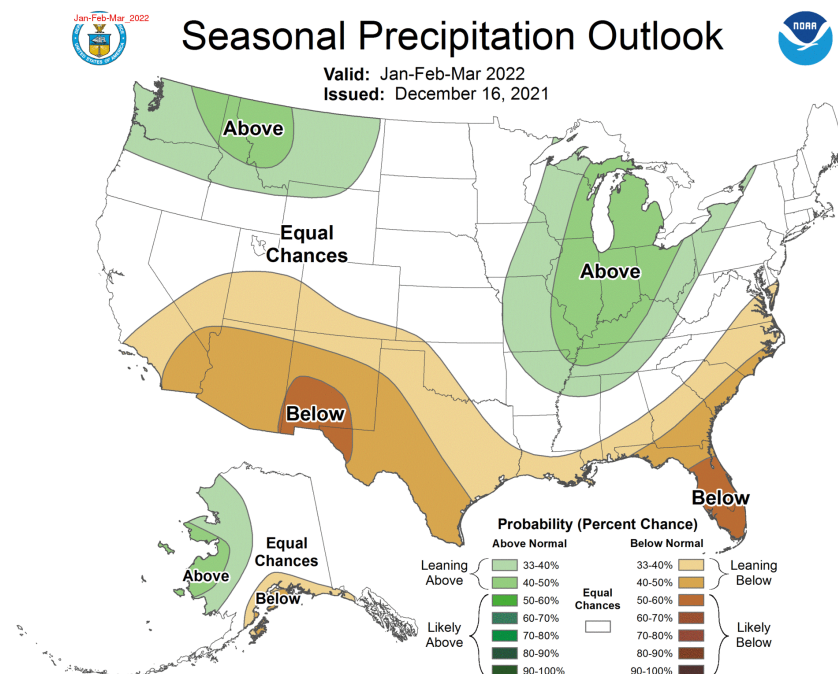
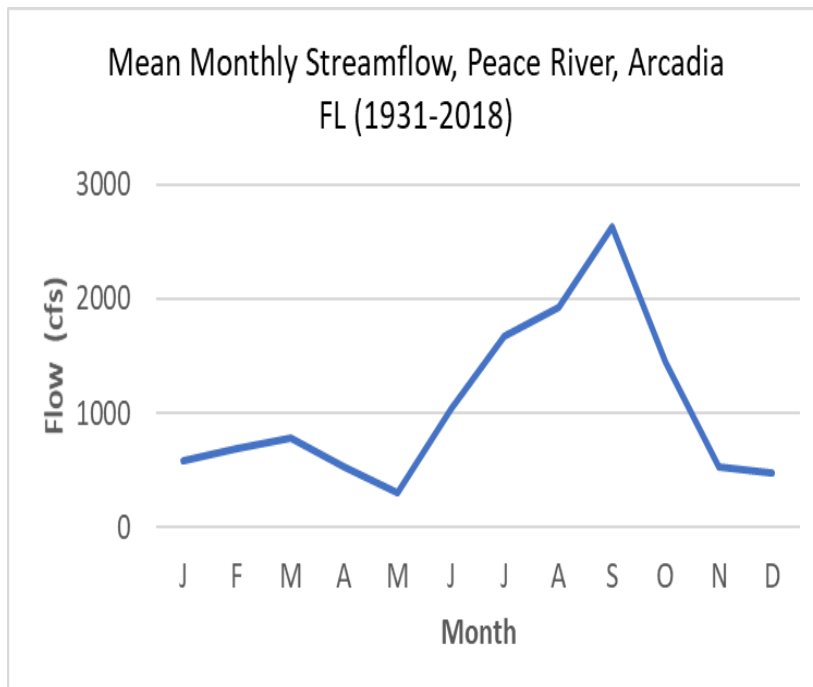
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Decision Making Process

Rationale

- Florida has very distinct wet and dry seasons
- Operational forecasts are at a relatively coarse resolution
- Many utilities use multiple water sources
- ***How to use the right source at the right time?***



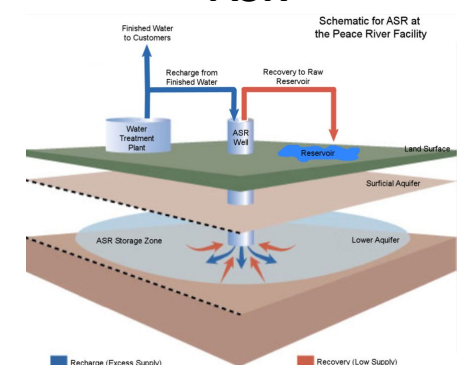
Surface Water



Desalination



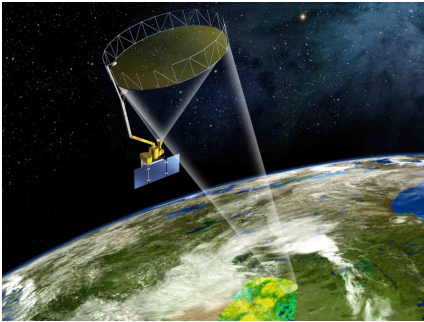
ASR



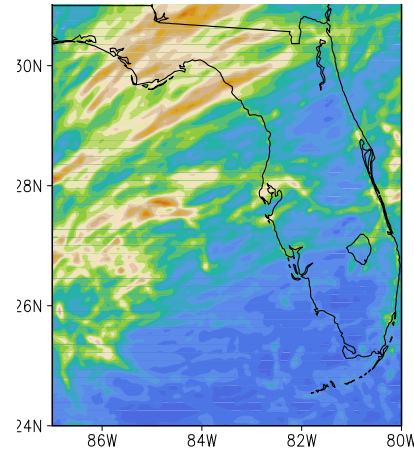
Project Summary



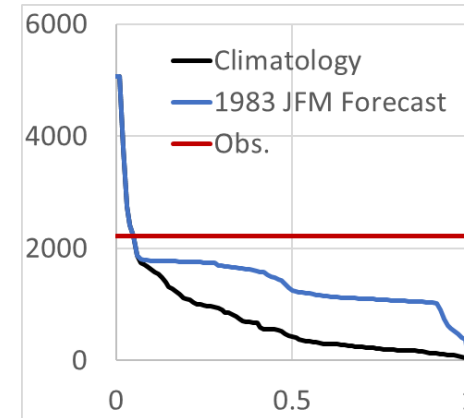
Remotely Sensed Data



Regional Seasonal Climate Forecasts



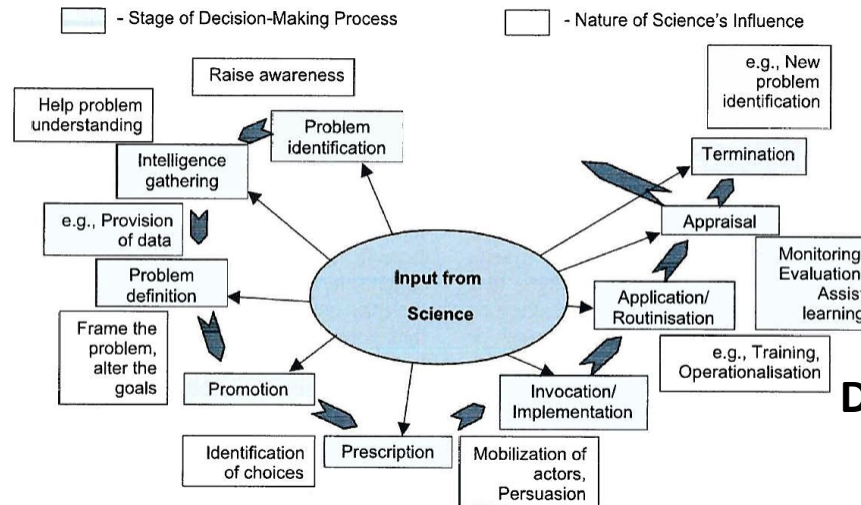
Seasonal Hydrologic Forecasts



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Decision Making Process