Integrating NASA Earth Systems Data into Decision-Making Tools of Member Utilities of the Florida Water and Climate Alliance

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CHALLENGE

How to use the right source at the right time?

GOALS

- Improve water allocation and storage decisions by two Florida Water and Climate Alliance (FloridaWCA.org) utility members through a tool co-development process.
- Resolve land-ocean interactions in the Florida peninsula that are not available in current seasonal climate forecasts.

OBJECTIVES

- Develop real-time monitoring to anticipate the onset and demise of the of the distinct wet and dry seasons in Peninsular Florida.
- Develop high-resolution regional dry season forecasts.
- Integrate these forecasts into existing decision-making tools.
- Understand how participating in a stakeholder-scientist partnership affects adoption and integration of the scientific outputs into decision-making tools.

WATER MANAGEMENT SOURCES

Tampa Bay Water

Sources: Groundwater, Hillsborough and Alafia Rivers, CW Bill Young Reservoir, Desalination Plant





Peace River Manasota Regional Water Authority

- <u>Source</u>: Peace River
- Largest Aquifer Storage and Recovery system east of the Mississippi















