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Objectives of the project



- Dynamical high-resolution model forecasts for the winter season
- Real time monitoring of the onset/demise of the wet season
- Transition of forecasts to operations in Tampa Bay Water and Peace River Manasota Regional Water Supply Authority



Model winter forecast strategy SST forecast from U. Miami (Ben Kirtman)







Highlights

- 1. Model forecast initialized on 1st November
- Model forecasts for November-December-January (0-month lead) AND December-January-February (1-month lead)
- 30 ensemble member seasonal re-forecasts at 10km grid resolution completed from 2000 to 2019



10km Vs. 100km





Reforecast verification



Florida Climate Institute

Alliance





(d) EM DJF ROM

DJF Error

(f)

84W

VO

81W

78W



Experimental Seasonal Outlook of Rainfall





except in the panhandle

Conclusions



- An unprecedented high resolution winter seasonal forecast over Florida at 10km grid resolution is now available
- The results from the 20 years of winter seasonal reforecasts are encouraging
- Watch out for dynamical seasonal forecast for Florida in November 2020
- Real time monitoring of wet season in 2021

