Fall 2012

Florida's Fragile Oasis
In a place routinely afflicted by drought, water managers in Tampa Bay use climate forecasts to ensure a water supply to people's taps without sucking the region's rivers, wetlands, and groundwater dry. The limits of their innovation might be tested in a future which could pose even more challenges to ensuring the oasis remains green. With COAPS associate professor Dr. Vasu Misra, Read the full article... (ClimateWatch Magazine).

Florida Climate Institute joins forces with four more Florida universities
The Florida Climate Institute - a joint venture started in 2010 by Florida State University and the University of Florida - has expanded to include the University of South Florida, the University of Central Florida, Florida Atlantic University and the University of Miami. "Each Florida university brings to the table complementary strengths and expertise that will allow the Florida Climate Institute to address questions that a single institution could not do," said Dr. Eric Chassignet, director of COAPS and of the FSU branch of the FCI. "FSU's strengths include global and regional climate modeling, extreme events, sea level rise, seasonal forecast, risk assessments and economic impact." Read more...

SENSE IT Workshop for Teachers

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SENSE IT Workshop for Teachers
Join us Saturday, November 10, from 9am to 3pm for a hands-on temperature sensor workshop at the FSU Coastal and Marine Laboratory. The event is free and open to middle and high school teachers, as well as other interested educators, and is co-hosted by the Deep-C Consortium. For more information, please see the event flyer.

Honors

Tam Nguyen, a COAPS PhD student in oceanography, for being selected as a recipient of the Douglas Peterson Vietnamese Scholarship for the 2012-2013 academic year. This scholarship is in honor of Douglas "Pete" Peterson, former U.S. Congressman and former Ambassador to Vietnam. The scholarship is made possible by an endowment gift from Mr. Doan L. Phung, a Vietnamese American and FSU graduate.

Heather Holbach received her MS in meteorology this summer under the guidance of COAPS's Dr. Mark Bourassa. The title of her thesis is "The Effects of Gap-Wind-Induced Vorticity, the Monsoon Trough, and the ITCZ on Tropical Cyclogenesis." Heather is continuing at COAPS as a PhD student.

COAPS alumnus Dr. Anthony Arguez is a recipient of the 2011 Presidential Early Career Award for Scientists and Engineers. Dr. Arguez is a research climatologist at NOAA's National Climatic Data Center. He received his PhD and MS in meteorology under the direction of COAPS professor emeritus James O'Brien. For more information, please see the NOAA press release.

COAPS alumnus Michael Lowry can now be seen on The Weather Channel! Michael joined The Weather Channel's tropical team in September after working at the National Hurricane Center. He received his MS in meteorology also under the guidance of Dr. O'Brien. You can read a 2011 interview with Michael here.

New Projects

Development and Evaluation of Forecasting Techniques
for Topographically Trapped Waves along the Sigsbee Escarpment
With COAPS scientists Steve Morey and Dmitry Dukhovskoy. Funded by DeepStar.

Weather and Advection Model for Oil Spill Tracking

Increasing Our Understanding of the Interaction Between Physical and Ecological Processes in the Gulf of Mexico and Caribbean
With COAPS director Eric Chassignet. Funded by NOAA through the Northern Gulf Institute.

Data Assimilative Ocean Hindcast for Oil Spill Risk Analysis in The Gulf of Mexico

**Publications**

*COAPS authors are in bold.*


Huang, BH; Hu, ZZ; Schneider, EK; Wu, ZH; Xue, Y; Klinger, B (2012), Influences of tropical-extratropical interaction on the multidecadal AMOC variability in the NCEP climate forecast system, *Climate Dynamics*, 39(3-4), 531-555, doi:10.1007/s00382-011-1258-z.


Roncoli, C; Breuer, N; Zierden, D; Fraisse, C; Broad, K; Hoogenboom, G (2012), The art of the science: climate forecasts for wildfire management in the southeastern United States, Climatic Change, 113(3-4), 1113-1121, doi:10.1007/s10584-012-0526-1.


Stefanova, L., P. Sura and M. Griffin (2012), Quantifying the non-Gaussianity of observed wintertime daily minimum and maximum temperatures in the Southeast United States, J. Climate, (accepted).


Feature Photo
About COAPS
The Florida State University Center for Ocean-Atmospheric Prediction Studies (COAPS) is a center of excellence performing interdisciplinary research in ocean-atmosphere-land-ice interactions to increase our understanding of the physical, social, and economic consequences of climate variability. COAPS scientists and students come from a wide range of disciplines, including meteorology, physical oceanography, statistics, and the computer and information sciences.

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