



November, 2016

The intelligence you need to manage weather- and climate-related risks



Peter Webster receives International Water Prize

CFAN's co-founder Peter Webster has been awarded the Prince Sultan Bin Abdulaziz International Creativity Prize for Water. He received the Prize in an awards ceremony at the United Nations headquarters in New York on November 2, presided over by the U.N. Secretary General Ban Ki Moon and Prince Sultan Bin Abdulaziz.

The Prize is awarded to Dr. Webster for his work on ocean-atmosphere interactions and their effect on monsoon strength, which is used to provide one to two-week lead-time forecasts of monsoonal floods that often provoke catastrophic inundations in highly populated coastal regions.

[More information >>](#)

City Temperature Verification Statistics

OmniCast provides daily maximum and minimum temperature forecasts out to 15 days for 296 cities in the continental U.S. Our City Temperature forecast product is being undergoing a major upgrade.

Effective November 15, the OmniCast 15 day City Temperature forecast product has a new dashboard. New features include:

- option for user customization of the city list
- improved calibration of the forecasts
- real-time verification statistics for each city
- quarterly verification statistics for each EIA region

We are also extending the City Temperature forecasts to locations in Europe and in Asia. We anticipate that the Europe and Asia Forecasts will be available February 2017.

[More information >>](#)



Launching AgriCast

We are pleased to announce the launch of AgriCast, our new line of forecast products for the agricultural sector. AgriCast's inaugural products are targeted at farming operations in the Southeast U.S., a region where CFAN has established numerous collaborations with agricultural researchers and extension agents.

We are now registering interested users for a trial subscription of customized precipitation and temperature products for this region.

[More information >>](#)

CFAN scientists have published a new paper in the Agronomy Journal on producing probabilistic heat stress forecasts for well-watered cotton in Georgia. CFAN is currently working on strategies into operational forecast products for agricultural users. [More information >>](#)



Hurricanes Hermine & Matthew

While the 2016 Atlantic hurricane season was average in terms of overall activity, it was notable in that we saw Hurricane Matthew reach category 5, and we had two U.S. landfalling hurricanes.

Hurricanes Hermine and Matthew provided the first opportunities to test our new high-resolution landfall impacts product that is being used by power providers in the Southeast U.S. to help rapidly restore power. [More information >>](#)

As the tropical cyclone season winds down in the Atlantic, activity is ramping up in the North Indian Ocean and remains strong in the West Pacific.

During 2017, we will be introducing a new dashboard for our tropical cyclone products with increased functionality.



New initiative to improve subseasonal forecasts

CFAN has been awarded a grant from the NOAA Small Business Innovation Research program to improve subseasonal weather forecasts (weeks 3 to 4) for the energy and agricultural sectors.

There is a growing need for extended-range forecast information as renewables increase penetration into the grid, to support efficient plant operations, energy integration, energy trading, and asset management. For growers, subseasonal forecasts can help anticipate planting and harvesting dates, the need for irrigation, logistics around harvesting and transportation, and decisions related to storage and marketing. For commodity trading, subseasonal weather forecasts can support futures, forward contracts and hedging strategies.

To address these needs, CFAN is developing an innovative statistical/dynamical prediction system using the CFSv2 and ECMWF forecast products. During 2017, CFAN's OmniCast product will begin incorporating forecasts from the CFSv2, in parallel to our existing ECMWF forecast products. Additional new forecast products will become available in BETA test mode.

CFAN is seeking collaborators, partners and clients to help develop these products in a way that optimizes their utility for the energy and agricultural sectors. [More information >>](#)

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