

WeatherSTEM

The Calm Before, During and After the Storm



EDWARD MANSOURI

- BS Meteorology, BS Engineering Penn State
- MS Meteorology, Florida State
- Developed primary teaching and learning software Florida Virtual School's used since 2003
- Creator of WeatherSTEM

What Is WeatherSTEM?

- Real time data via web, mobile, social media
- Weather Monitoring Equipment
- Educate the Public
- Inform your Community











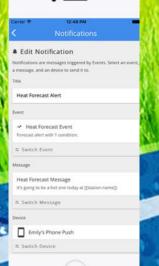
Worlds Most Connected Weather Stations

Dedicated phone Number for Community Use

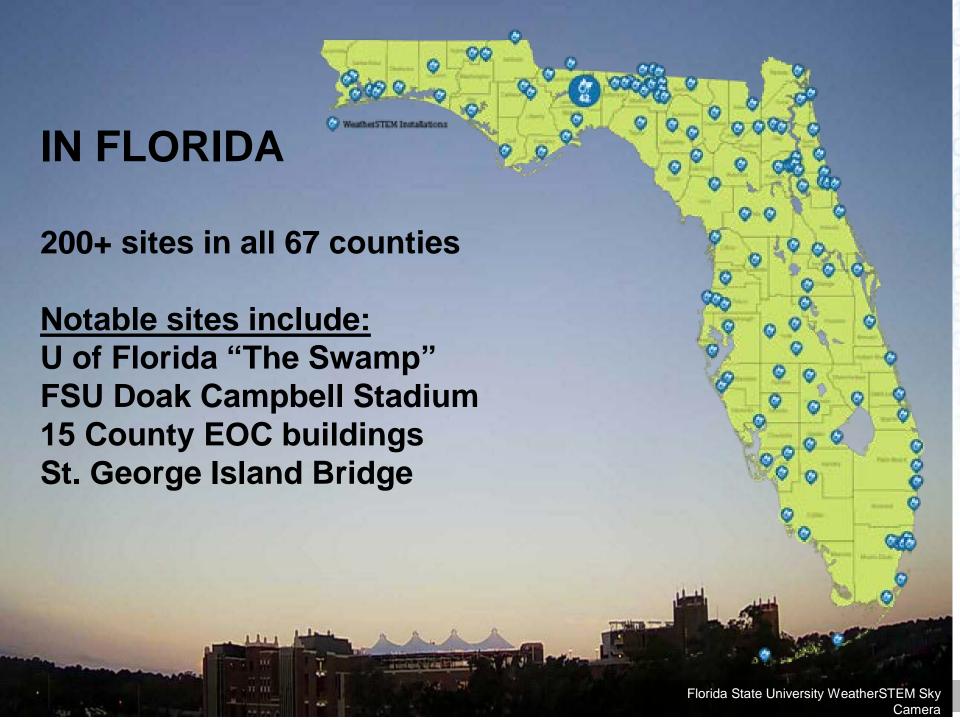
Automatic post to FB, Twitter with hazardous condition updates

Text Alerts

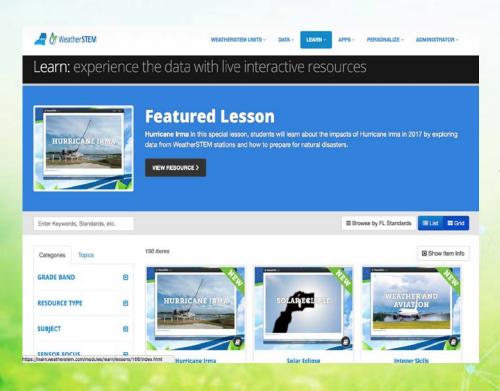








"An Educated Public is a Safer Public"



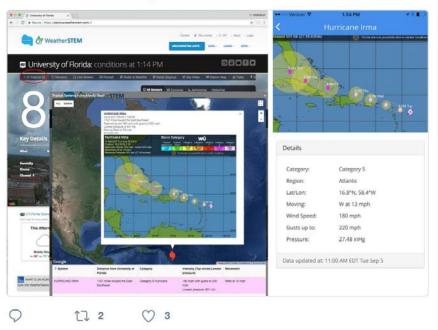
Hundreds of educational modules aligned to Florida's Next Generation Sunshine State Standards

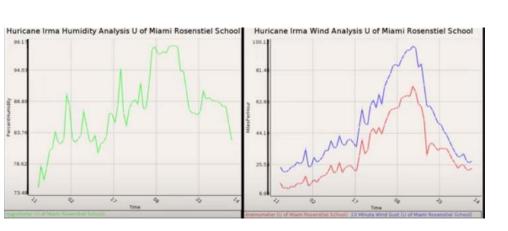
Hurricane Irma Resources

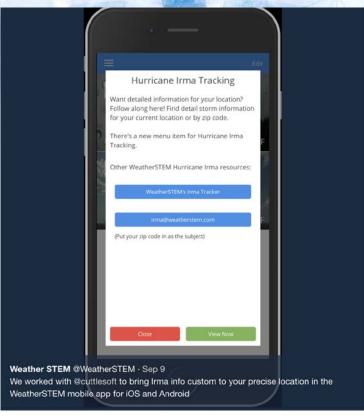


Weather STEM @WeatherSTEM · Sep 5

Keep up with Hurricane Irma on all our WeatherSTEM unit websites as well as the WeatherSTEM mobile app











Many @WeatherSTEM sites in FL, new app to predict max forecast gusts at each of them, check this out.

irma.weatherstem.com/irma_max_speed...

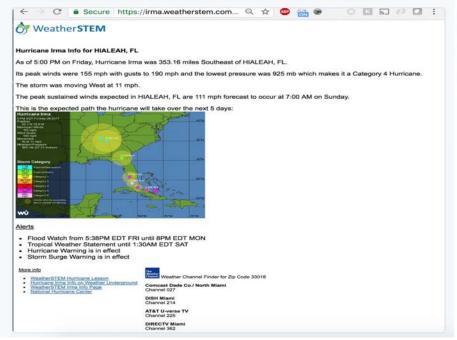
4:09 AM - 9 Sep 2017





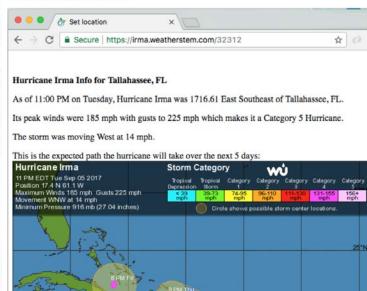
Weather STEM @WeatherSTEM · Sep 8

Hurricane Irma widget updated with max wind forecast and Weather Channel dial finder irma.weatherstem.com @weatherchannel @WXGeeksTWC





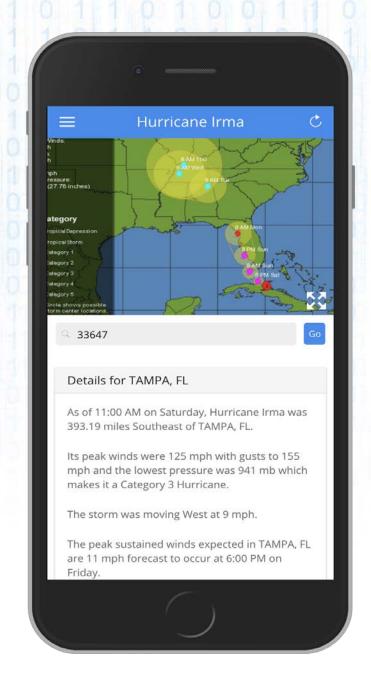
Irma information widget - Go to http://irma.weatherstem.com and enter your zip code (or go to http://irma.weatherstem.com/XXXXX - where XXXXX is your 5-digit zip code) for real-time Irma updates and alerts relative to your location.



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Preparing for Irma

- Innovative Communication for the Masses
- Location-Aware Text/E-Mail Alerts
- Dedicated phone number for each County in Florida gave live updates
- Location-Aware forecast
- All Communications offered Irma's proximity as well as info from the latest advisory



In The Midst of Irma

"Ed,

I just wanted to tell you what a invaluable tool WeatherSTEM was for UCF during Hurricane Irma. We used it to determine when Police had to seek shelter and for 11 weather reports we generated for our hurricane ListServ."

Joe Thalheimer UCF Emergency Management

After the Storm: A Lesson



Source: FEMA.gov

- Data from our FL sites
- Lesson shows how hurricane impacted state

This lesson will explore the hazards associated with *Hurricane* Irma and the impacts the *storm* had in Florida and other locations in the Southeastern United States.

Join WeatherSTEM!

The full WeatherSTEM Package:

- Custom painted weather station
- At least one "Cloud Camera"
- Hydrologic probes (soil, etc)
- Installation/configuration
- Custom web, mobile, social media
- Professional Development



For more information, contact Edward Mansouri

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