



# NOAA Update to the Science Advisory Board

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Acting Chief Scientist  
April 9, 2018





Reduce the impacts of extreme weather and water events



Increase the sustainable economic contributions of our fishery and ocean resources

# Reduce the impacts of extreme weather and water events



NOAA



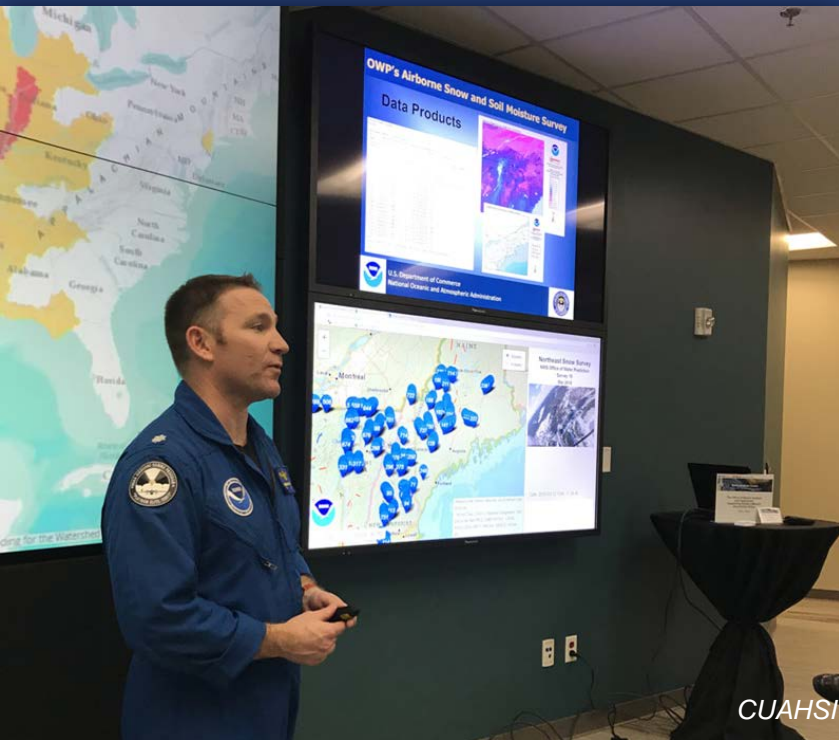
# JPSS-1 and GOES-S Launch



NOAA



# National Water Model Improvements

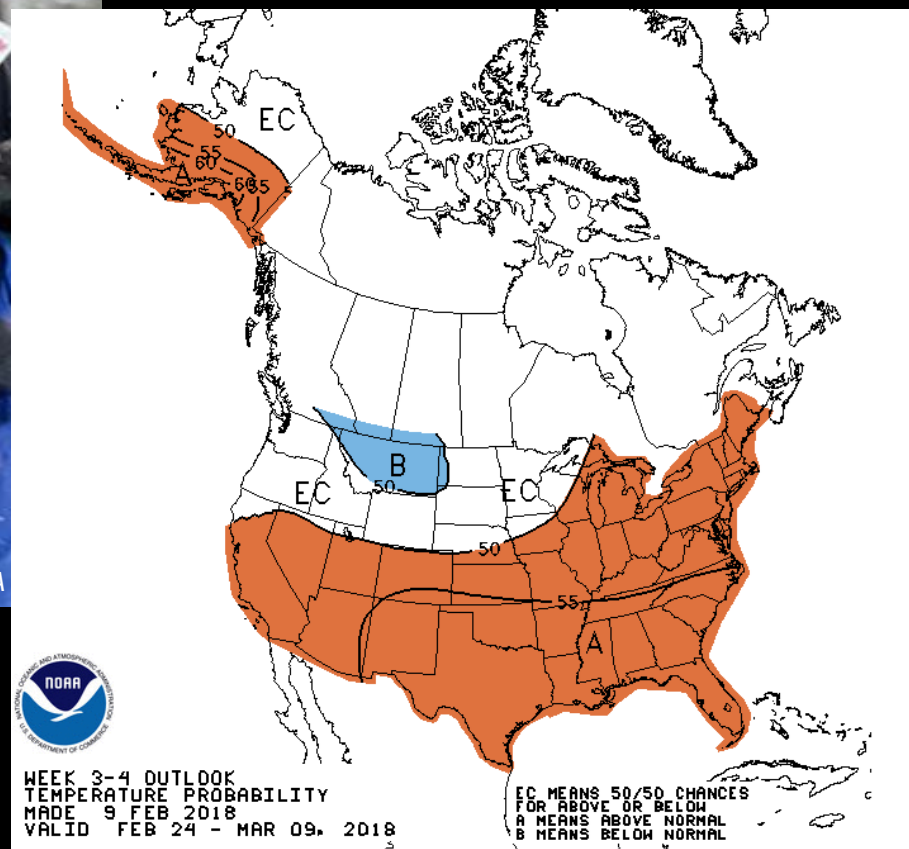


CUAHSI



University of Alabama

# Sub-seasonal to Seasonal Weather Prediction





Increase the  
sustainable  
economic  
contributions of  
our fishery and  
ocean resources

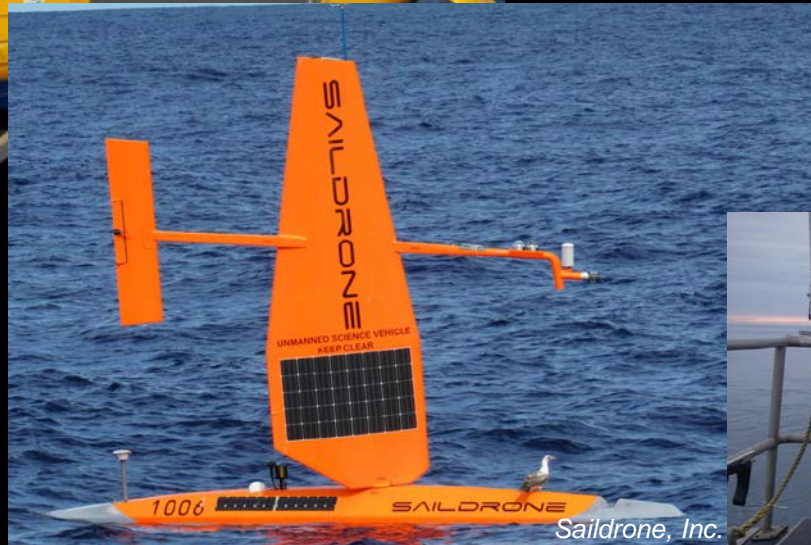


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# Emerging Technologies



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Saildrone, Inc.



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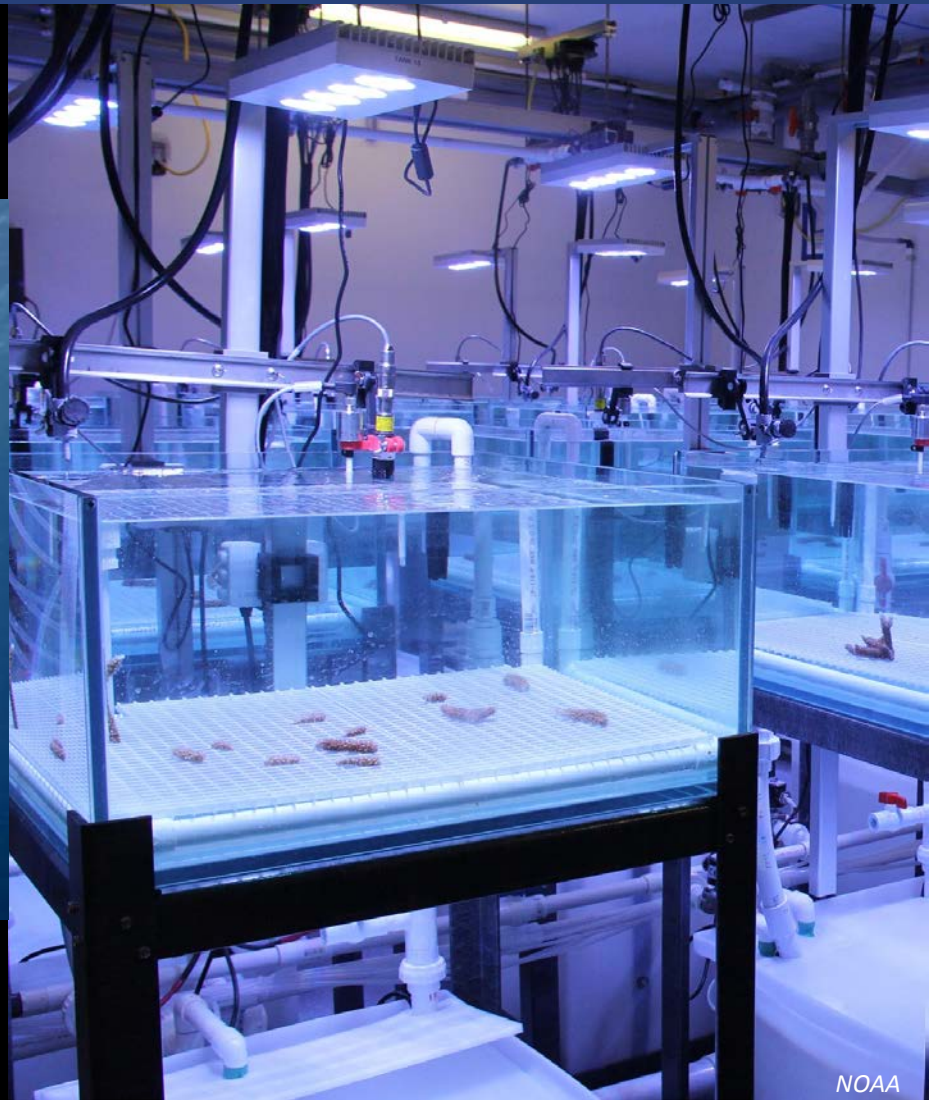
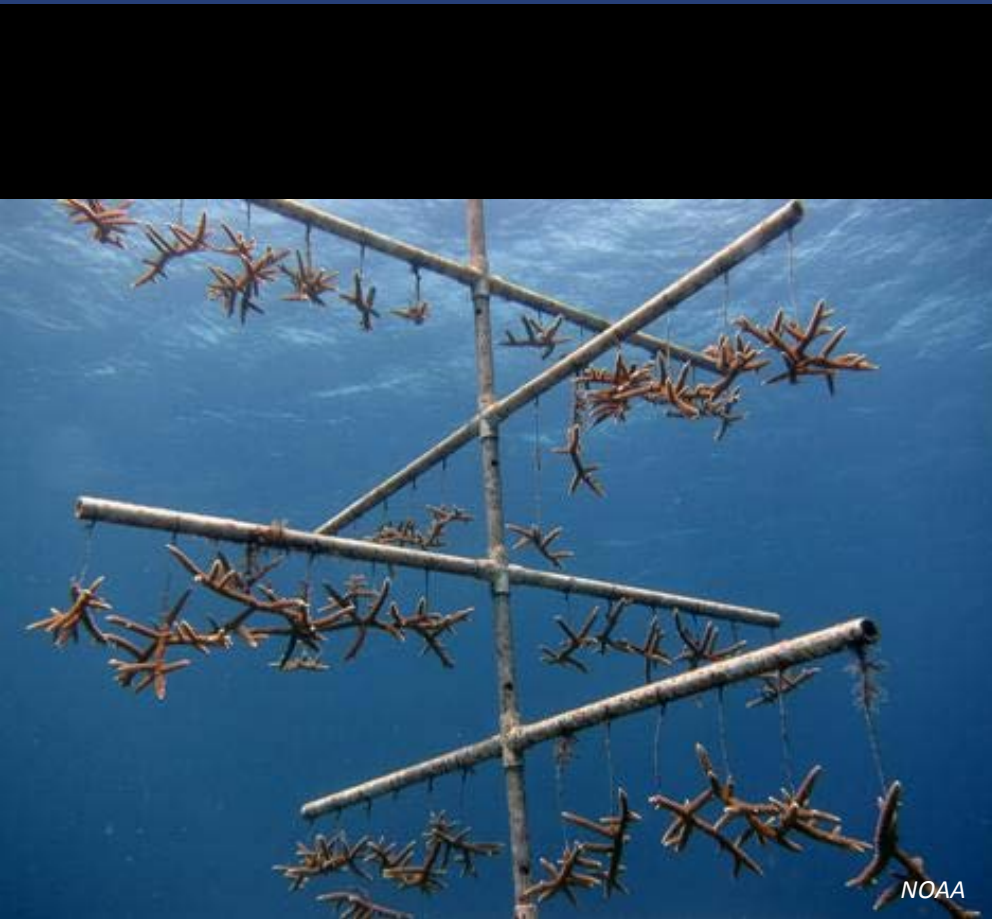


# Aquaculture



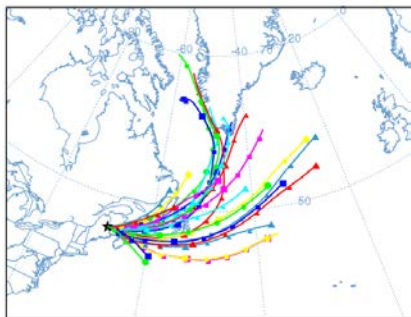
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# Coral Restoration and Resilience





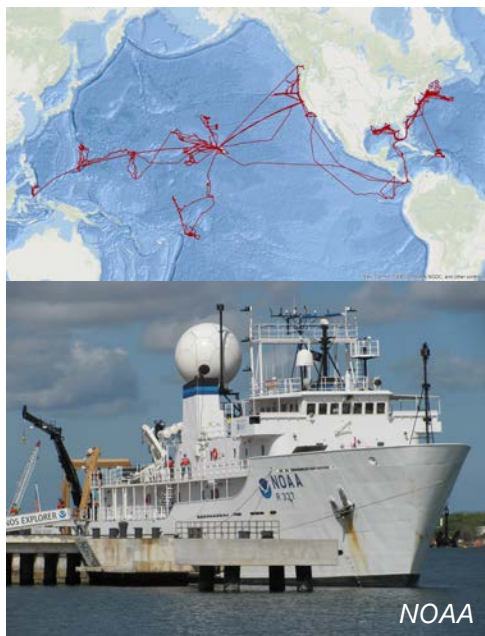
# Notable Milestones



**1.2 Million**  
HYSPLIT simulations  
run in 2017



**7400**  
Weather Ready Nation  
Ambassadors



**10 Years**  
*Okeanos Explorer*  
Service at Sea



**150<sup>th</sup>**  
Installation of  
Science on a Sphere®



**50**  
Years of GHG  
Sample Collection



# EPP Forum Highlights Student Research

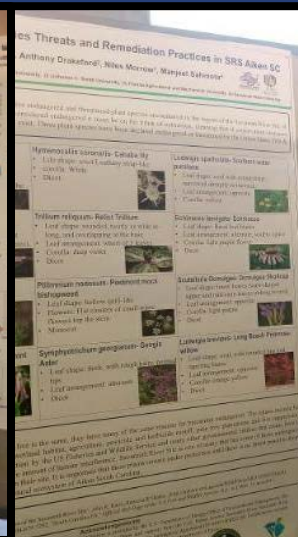
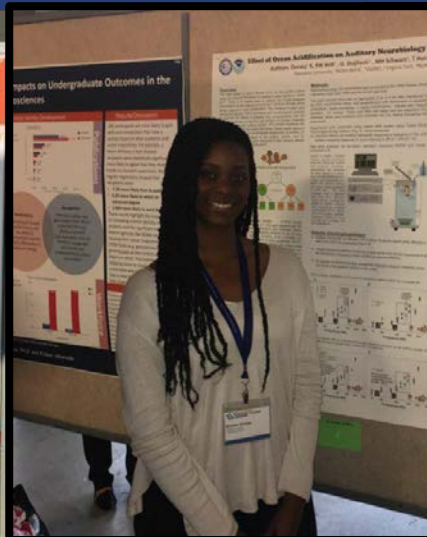
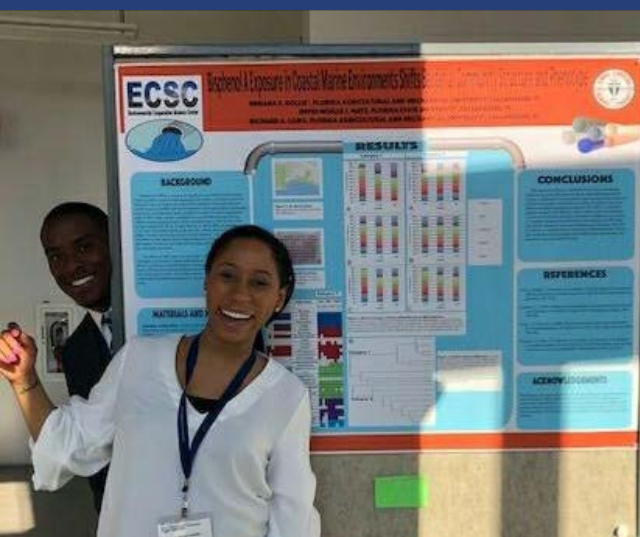


Photo Source: EPP Forum Attendees



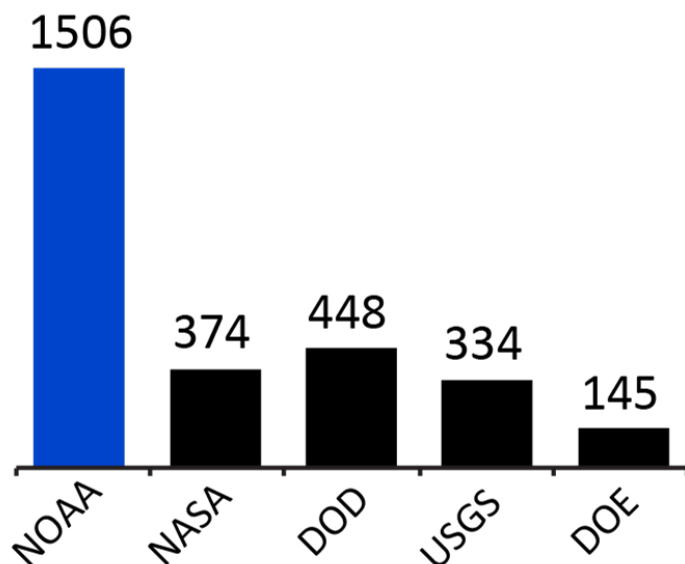
# 2017 NOAA Science Report is Available



## Oceanography

### Number of Articles

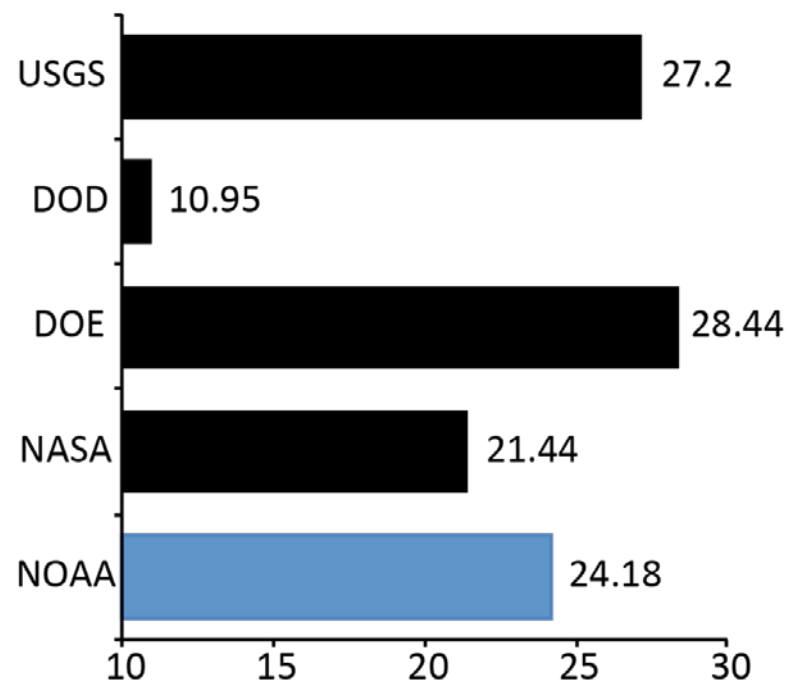
(2011-2016)



## Weather

### % of Articles in Top 10%

(2011-2016)





# Questions?



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