

Science Communication Through Art, Design, and Hands-on Activities

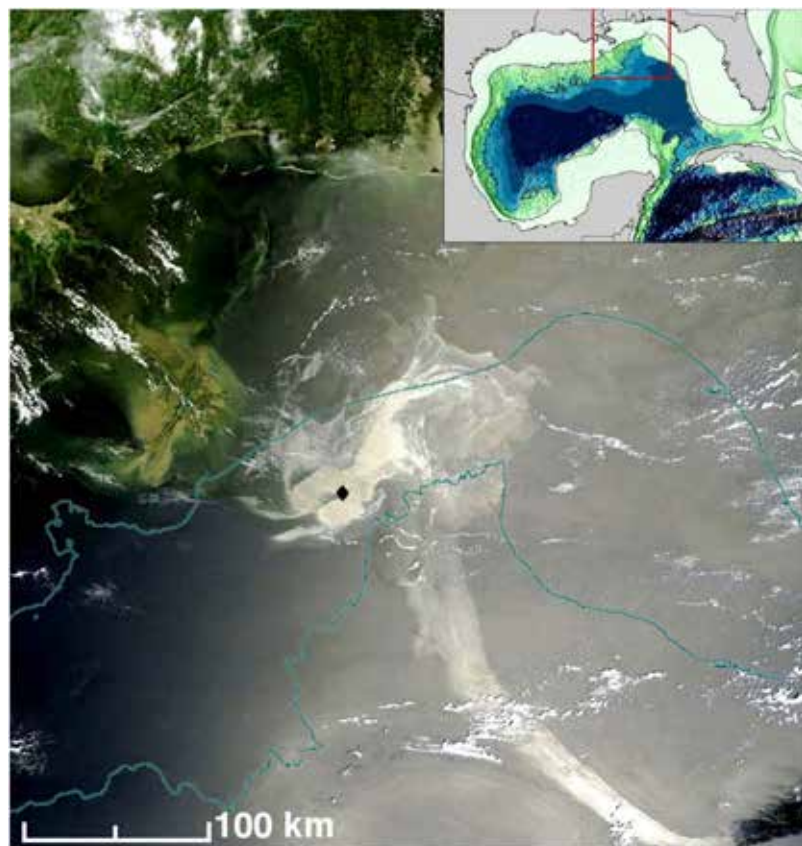
Laura Bracken
University of Miami/CARTHE

CARTHE

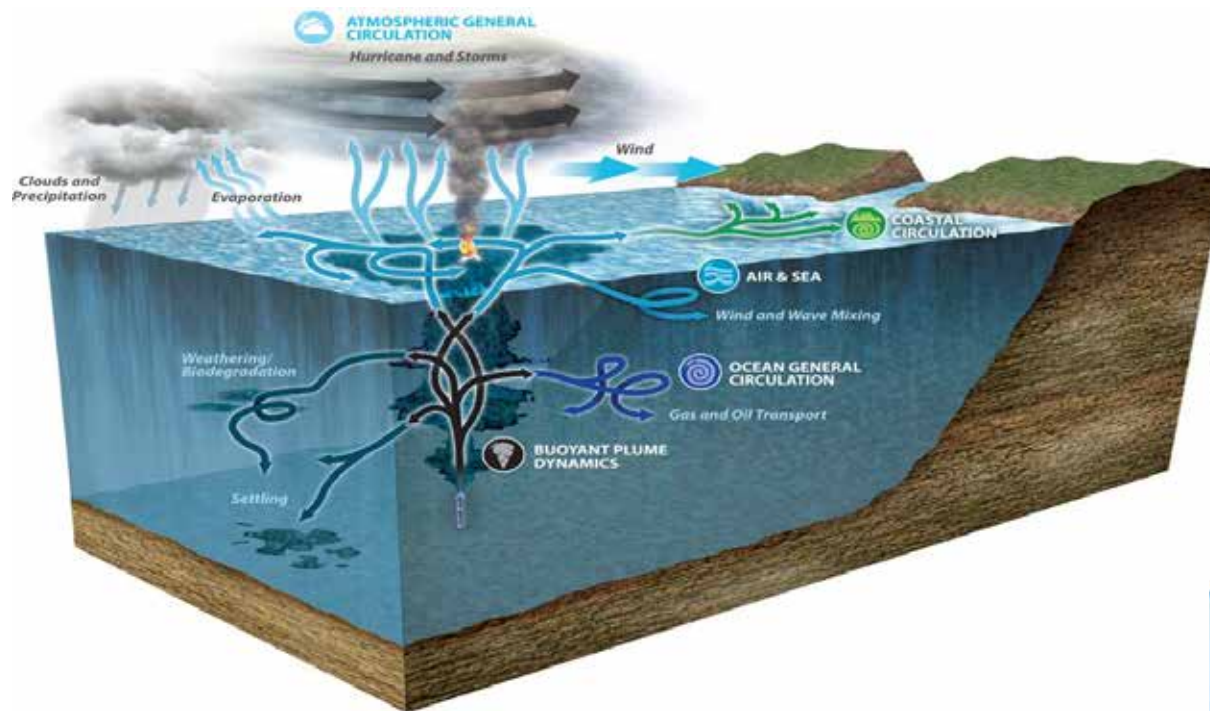
Consortium for Advanced Research on Transport of Hydrocarbon in the Environment

CARTHE is a research team studying ocean currents and oil transport, so we can guide response teams in the event of a future spill.

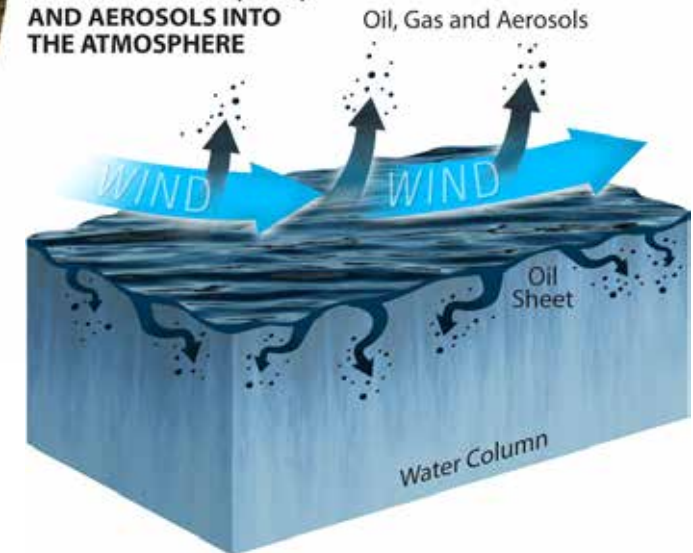




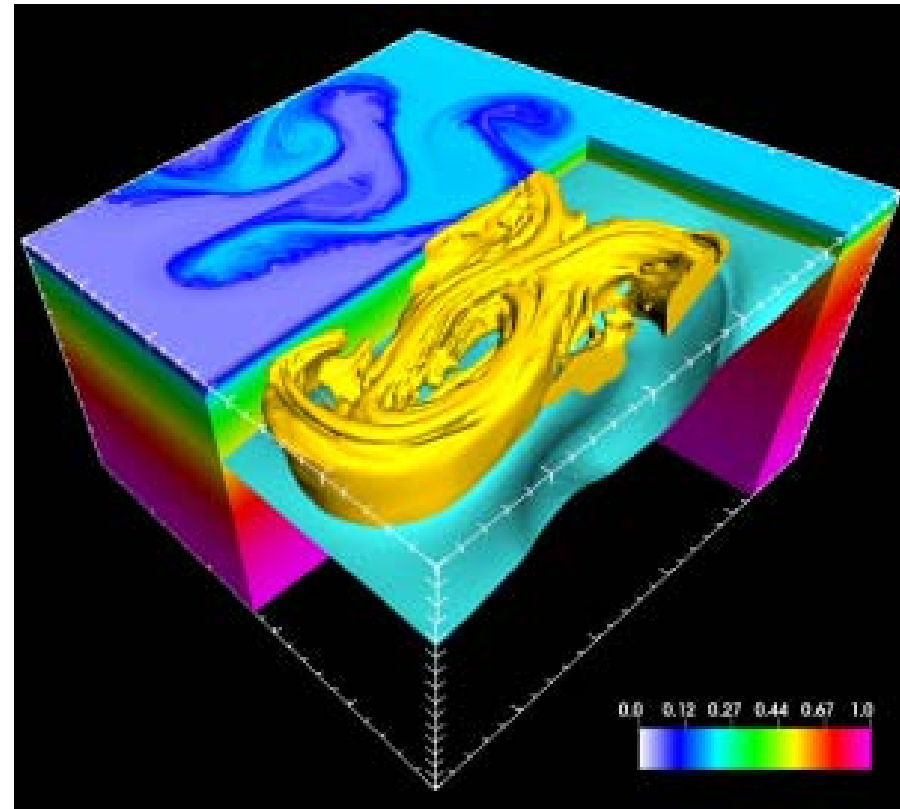
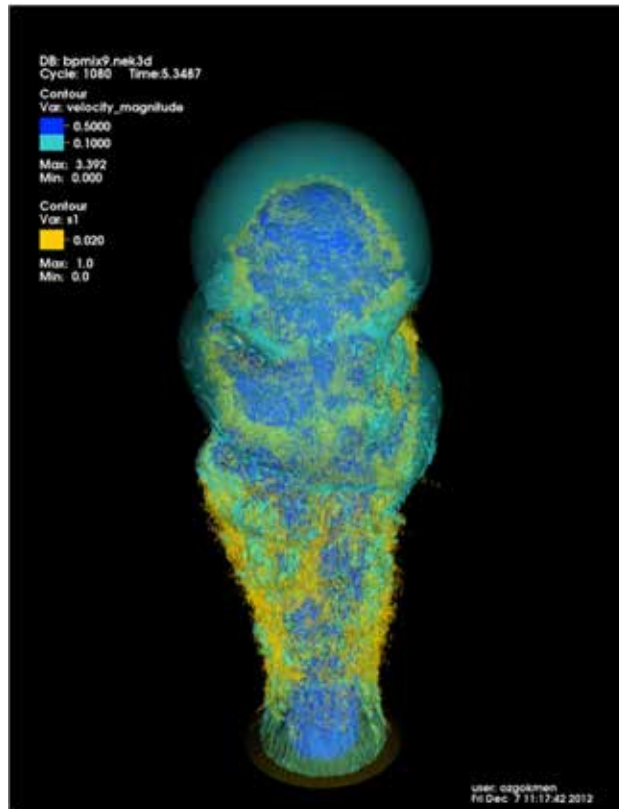
Science Visualization



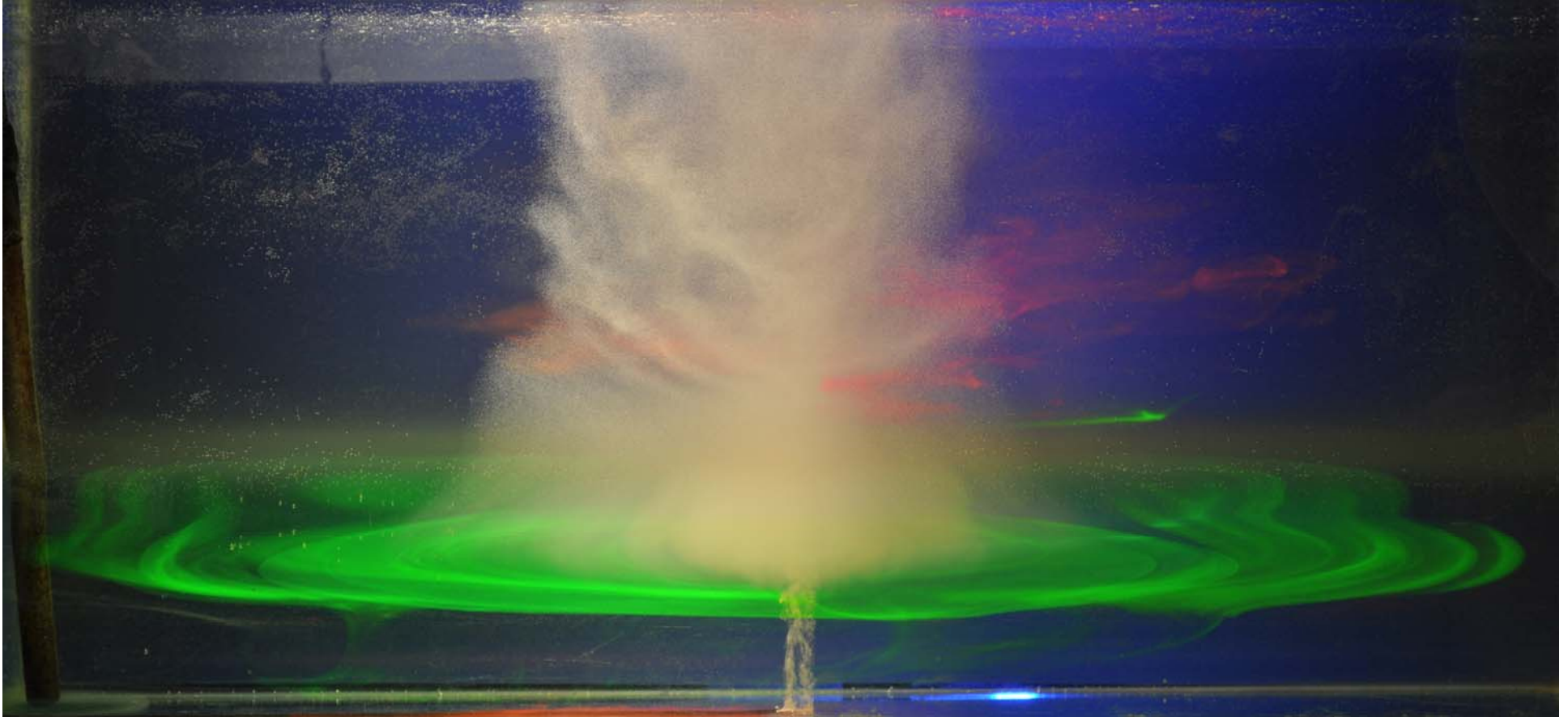
TRANSFER OF OIL, GAS, AND AEROSOLS INTO THE ATMOSPHERE



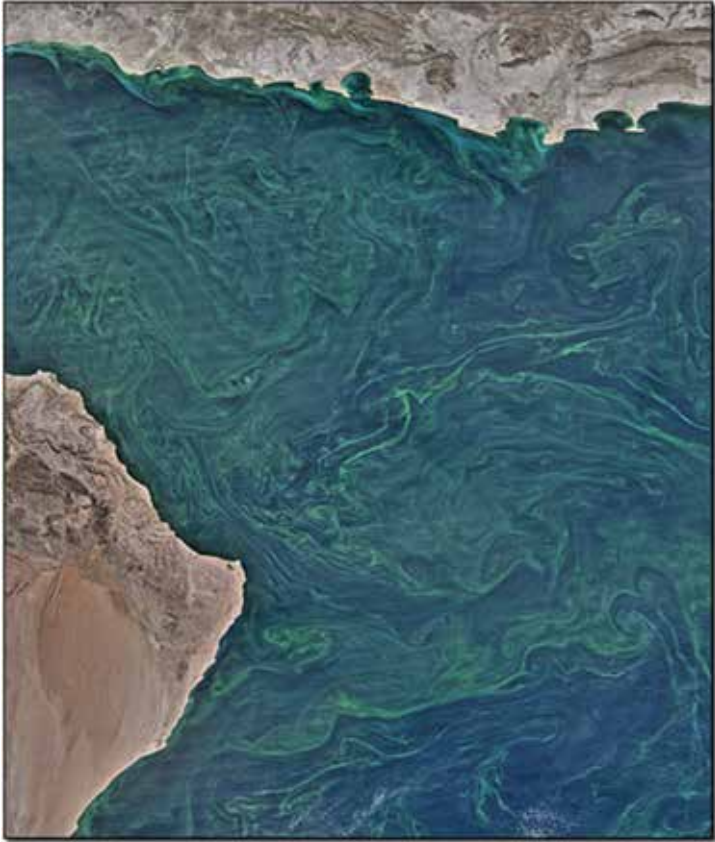
Visual Art



Tamay Ozgokmen



Photograph of a bubble plume in a two-layer stratified environment, University of Cambridge/CARTHE



Arabian Sea dinoflagellate bloom, NASA



Deepwater Horizon Langmuir Cells

Videos

Over 200,000+ views

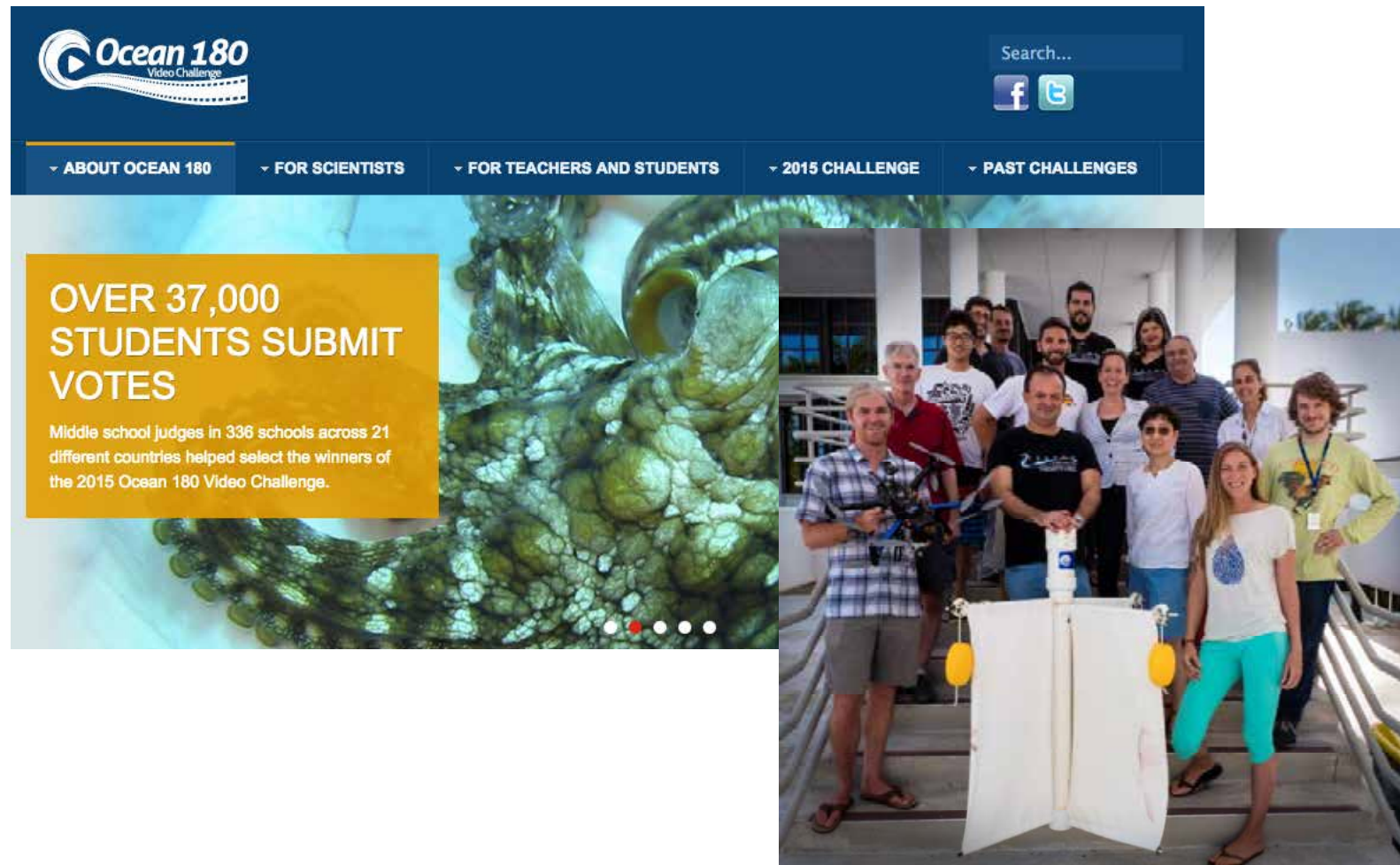


Drifting in the Gulf - A Science Story





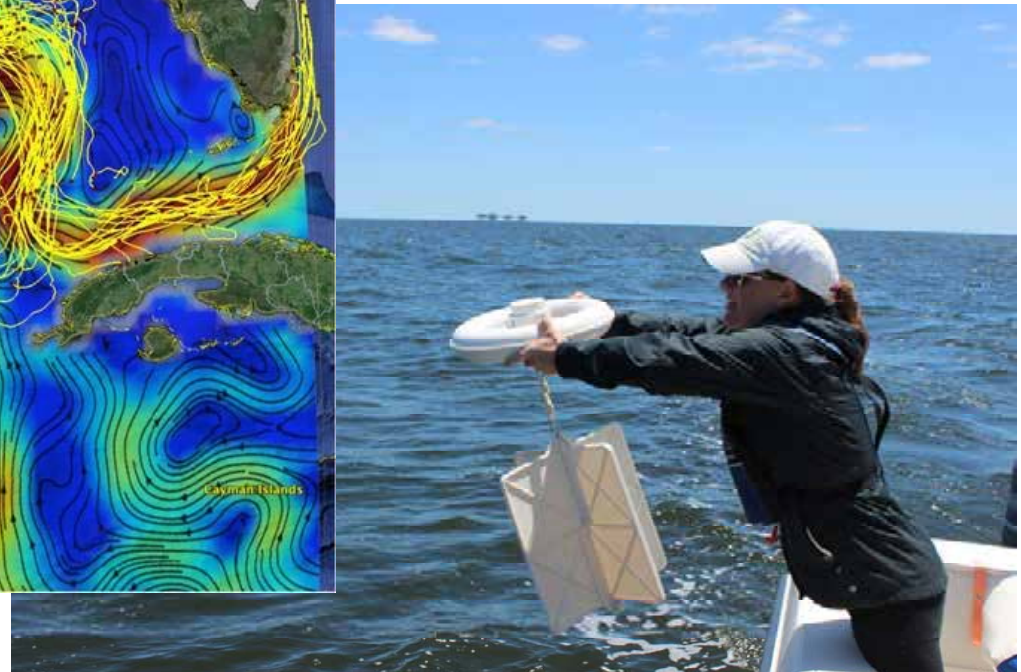
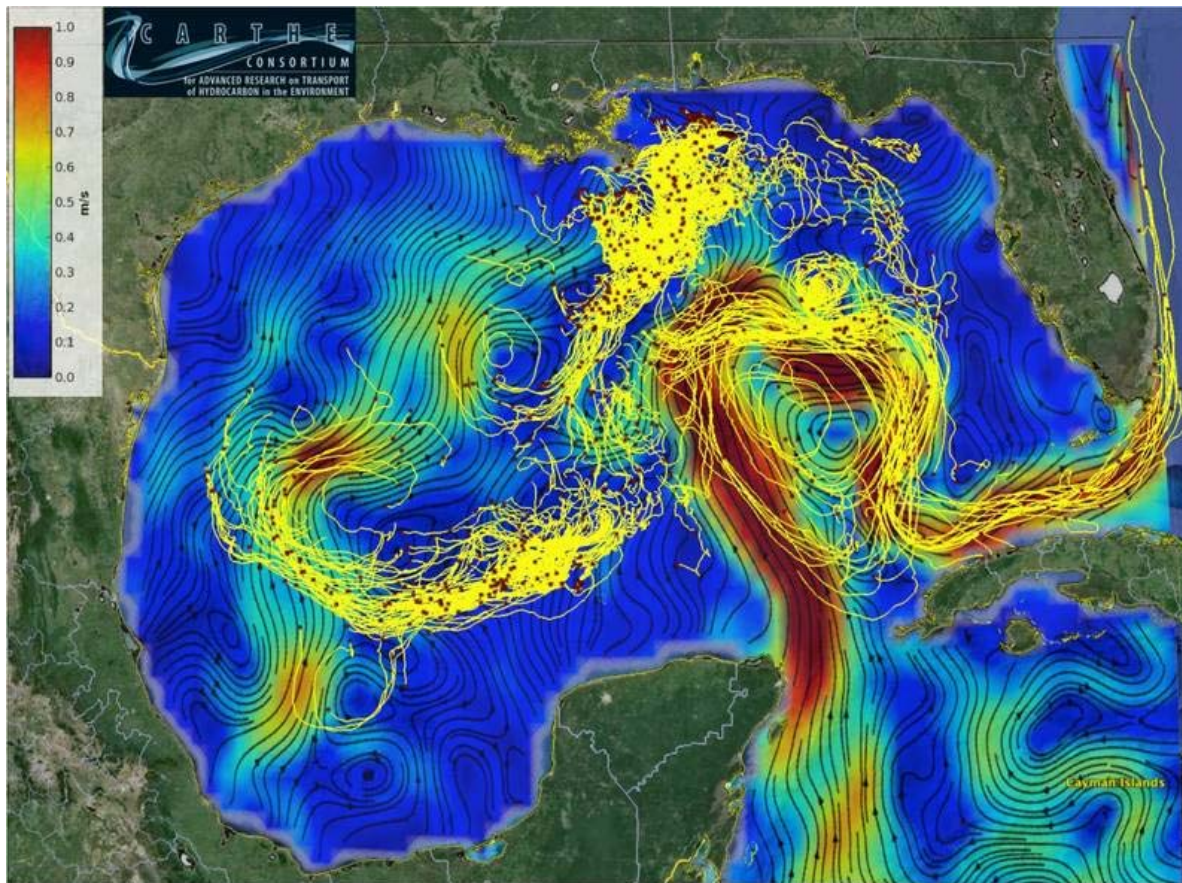
1st Place Ocean 180 Video Challenge



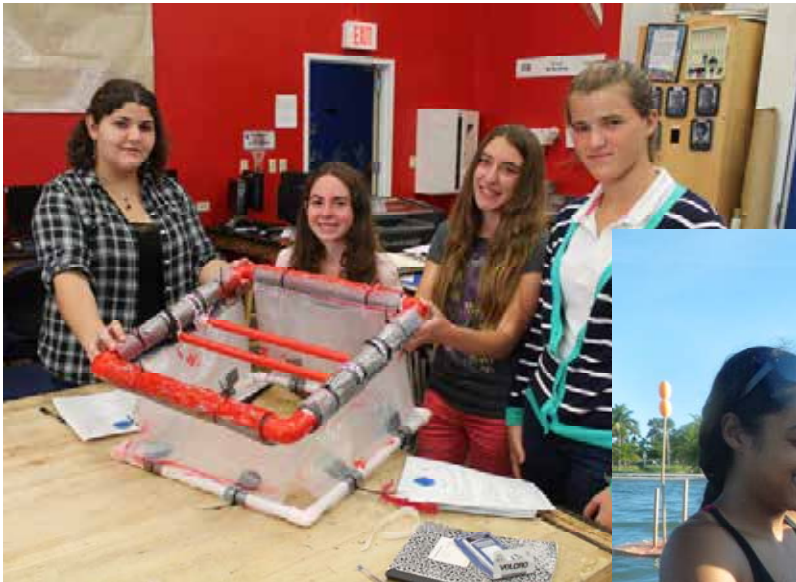
Drifter Design



Drifter Design



Drifter Design

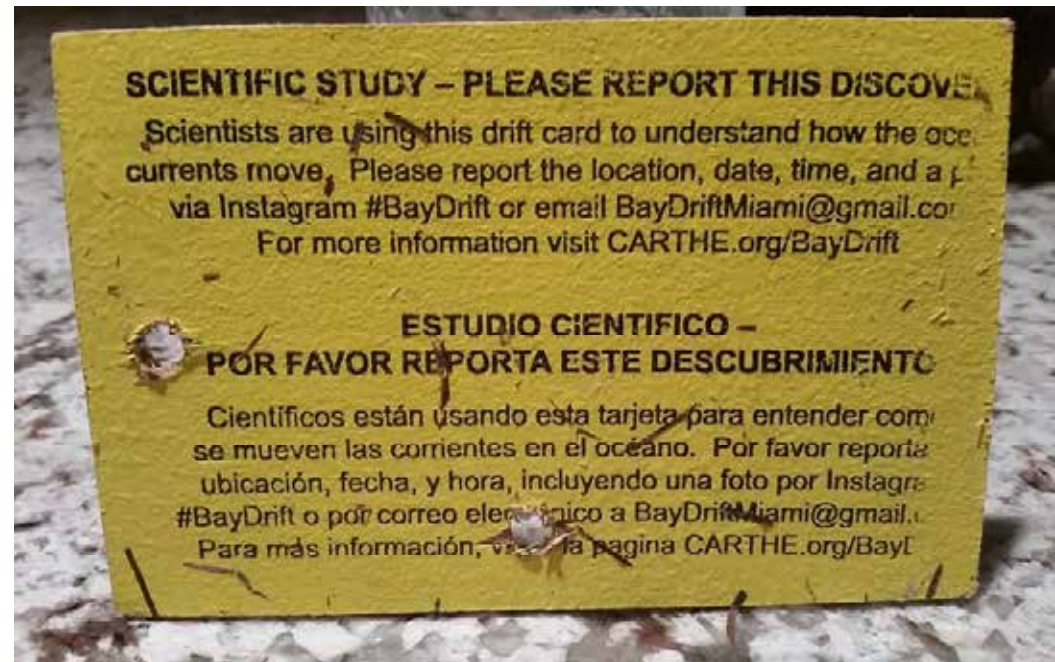


carthe.org/outreach

#Baydrift

Biscayne Bay Drift Card Study

8 sites, 1200 cards, 25 drifters, 12 organizations, 12 schools (2016-2017 stats)





CARTHE
Umiami RSMAS
Vizcaya Museum
Frost Science Museum
Miami Waterkeeper
Surfrider Foundation
Bisc Bay Aquatic Preserves
Intl Seakeeper Society
Miami-Dade DERM
KB Community Foundation
Piano Slam
Bill Baggs State Park
City of Miami Beach
Bisc National Park
12 schools to date

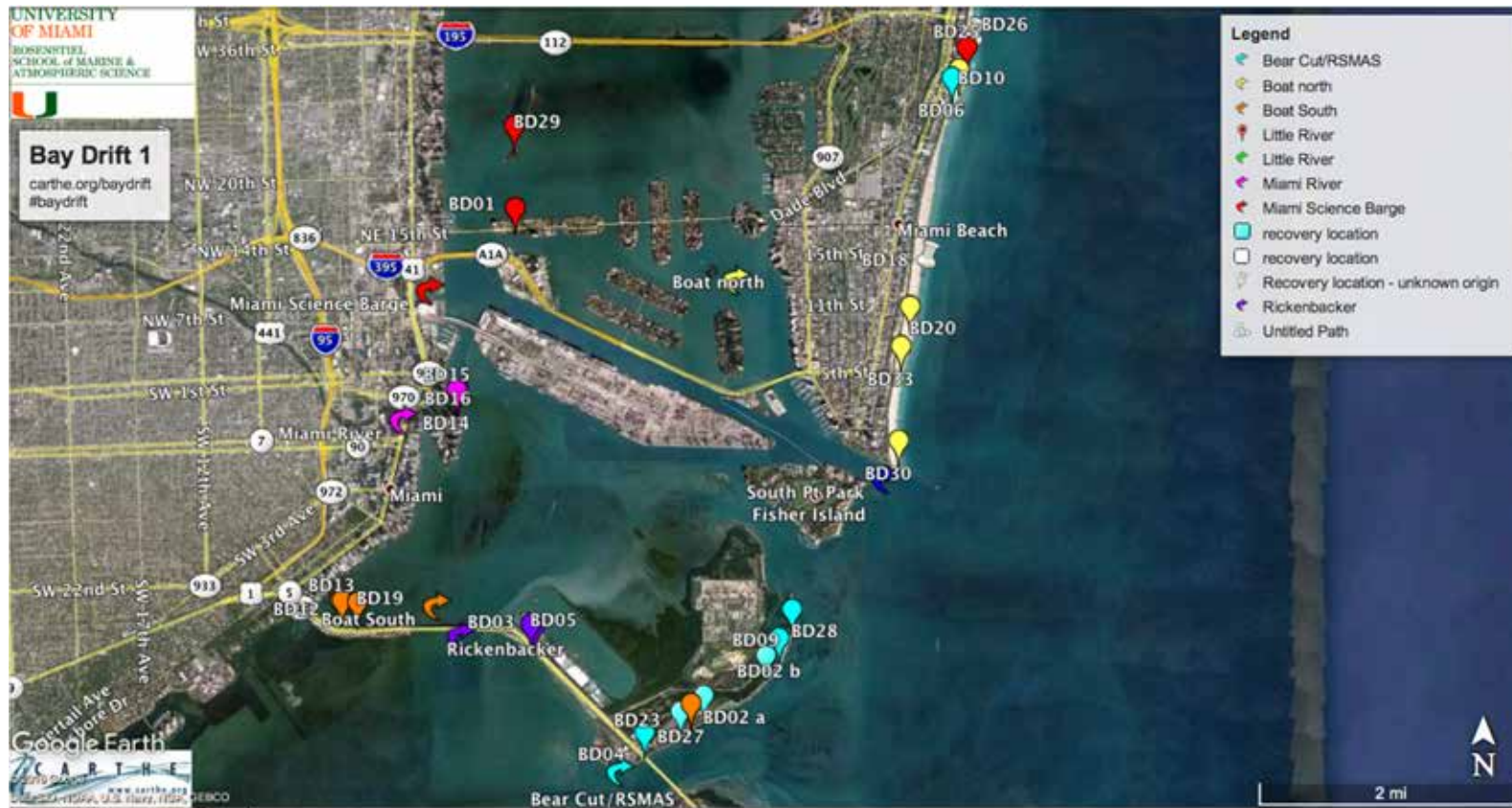
#BayDrift




#BayDrift



#BayDrift







Laura Bracken
lbracken@miami.edu
CARTHE.org
#BayDrift

Photo credit: Tamay Ozgokmen