

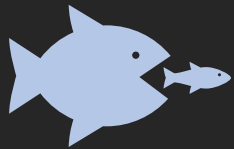


# PACE: Detecting Harmful Algae Blooms risks to public health and business...

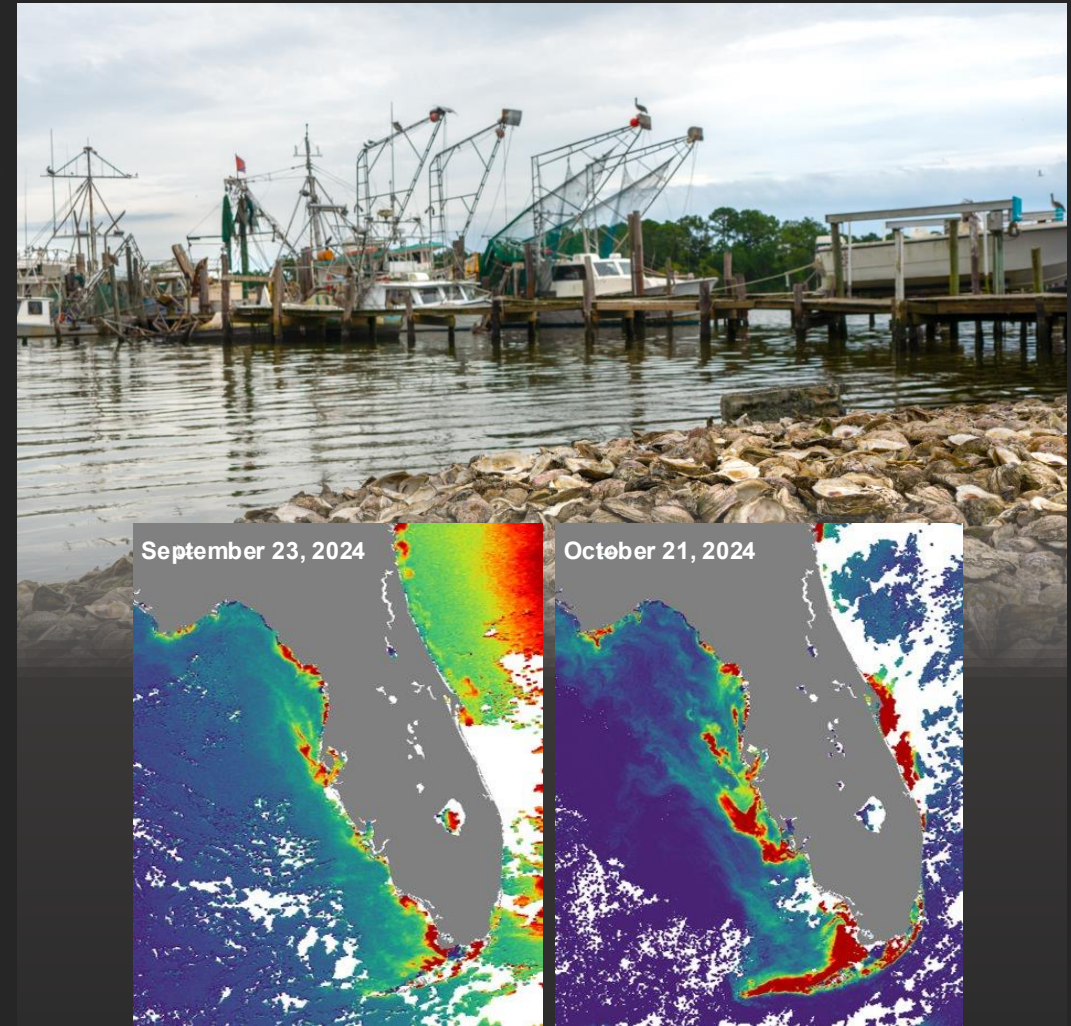
## \$50m

Estimated annual cost to the U.S. economy from Harmful Algae Blooms (HABs) impact on public health, coastal recreation, and commercial fisheries

NASA's Plankton, Aerosol, Cloud, ocean Ecosystem (PACE) satellite provides the most detailed view to date of phytoplankton, which is both the foundation of the marine food chain and a potential source of HABs



By integrating phytoplankton data with Earth System models, NASA helps to deepen understanding of oceanic food webs, supporting more productive commercial fishing



After Hurricane Helene and Hurricane Milton passed over the West Florida Shelf, a massive toxic *Karenia brevis* harmful algae bloom was observed, indicated by the yellow to red areas above.