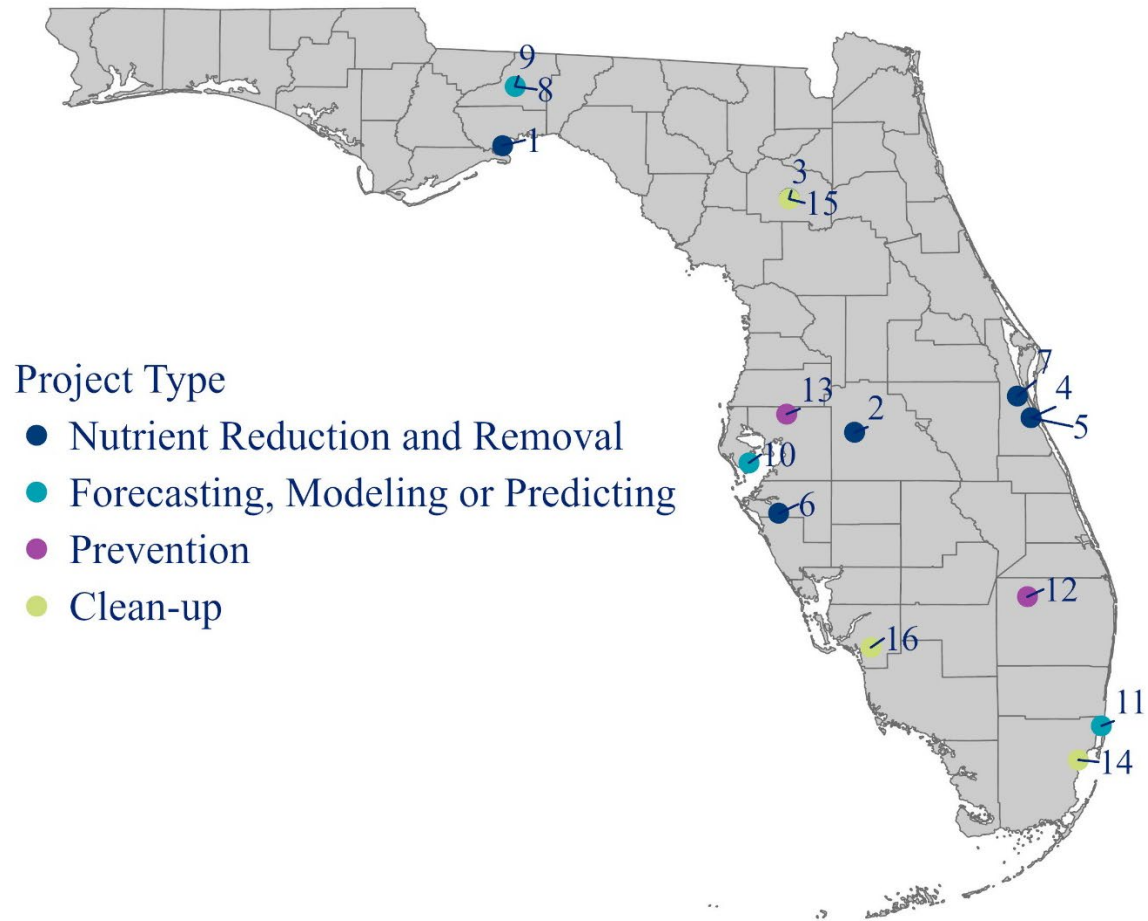




Innovative Technologies Grants for Fiscal Year 2021 - 22



Innovative Technologies Projects

Project Number	Grantee	Project Name	Project Type	Funding Amount
1	Gulf Specimen Marine Lab	Demonstrating Nutrient Removal through Algae Culture at Gulf Specimen Marine Lab	Nutrient Reduction and Removal	\$736,531.64
2	University of South Florida	Rapid Deployment of Biochar Filter Barriers for Nutrient Recovery	Nutrient Reduction and Removal	\$277,086.00
3	University of Florida	Reduction of nitrogen and phosphorus fertilization rates in potatoes, tomatoes, and corn using Environmentally smart fertilizer technologies.	Nutrient Reduction and Removal	\$481,880.00
4	Florida Institute of Technology	An innovative, science-based bioreactor utilizing repurposed materials and community support to remove nitrogen and phosphorus from natural waters	Nutrient Reduction and Removal	\$169,850.00
5	Florida Institute of Technology	Engineered and replaceable sea-sponge bio-filtration module for harvesting of algae, carbon, nitrogen and phosphorus with downstream bacterial denitrification to mitigate harmful algal blooms	Nutrient Reduction and Removal	\$292,000.00
6	Lakewood Ranch	Sustainable Water Treatment System for the Reduction of Nutrient Releases into the Environment	Nutrient Reduction and Removal	\$290,000.00
7	Brevard County	Innovative emergency response approach to mitigate Harmful Algal Blooms (HABs) during early bloom formation to reduce the spread and public exposure to HABs in brackish waterways	Nutrient Reduction and Removal	\$999,000.00
8	Florida State University	Development of statewide tool to predict harmful algal blooms in freshwater lakes	Forecasting, Modeling or Predicting	\$338,574.60
9	Florida State University	A scalable predictive tool to identify vulnerable coastal areas to harmful algae bloom across Panhandle	Forecasting, Modeling or Predicting	\$362,598.00



PROTECTING TOGETHER

Project Number	Grantee	Project Name	Project Type	Funding Amount
10	City of St. Petersburg	Remote Sensing to Predict and Treat Harmful Algal Blooms (HAB's)	Forecasting, Modeling or Predicting	\$200,000.00
11	Florida International University	Integration of next-generation autonomous sensing platforms for water quality monitoring and HAB detection	Forecasting, Modeling or Predicting	\$999,581.00
12	Florida Gulf Coast University	Harmful Algal Bloom Innovative Technology Project: Chemical-Free Harmful Algal Bloom Control	Prevention	\$329,897.00
13	City of Tampa Water Department	Pilot Project for Algae Control Using Non-Invasive Ultrasonic Technology	Prevention	\$115,254.00
14	City of Pinecrest	Botanical Gardens Lake & Veterans Wayside Pond HAB Remediation Pilot Project	Clean-up	\$25,541.00
15	University of Florida	Naturally derived biologicals for the control of benthic cyanobacterial blooms and their toxins	Clean-up	\$196,273.00
16	Florida Gulf Coast University	ST13 Microbial Treatment of Cyanobacteria	Clean-up	\$250,000.00
			Total	\$6,064,066.24

