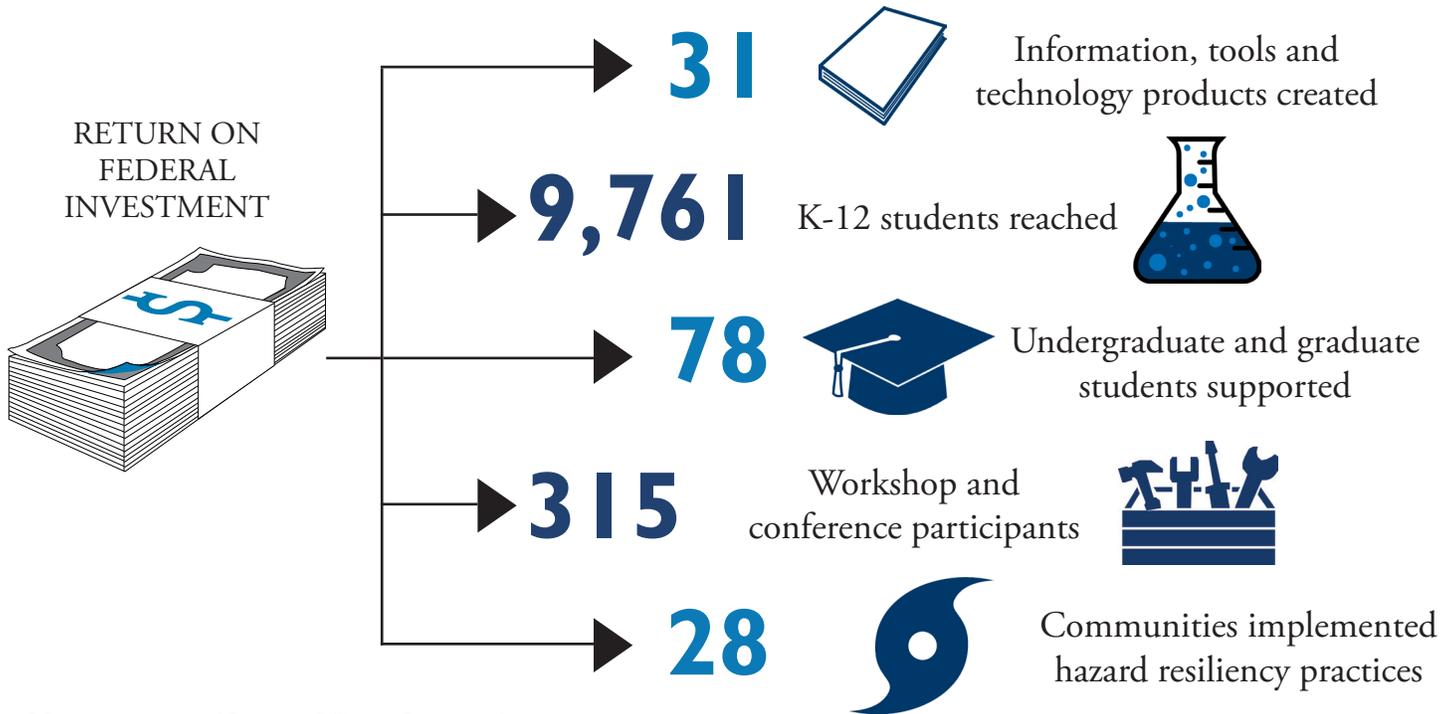


MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT) SEA GRANT



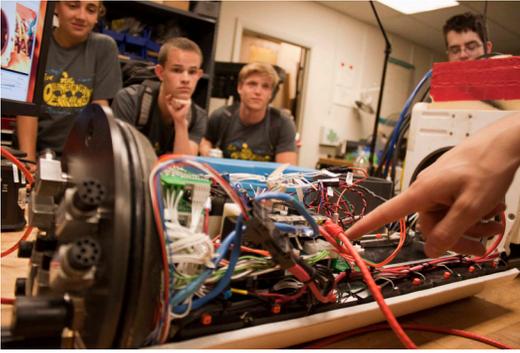
Metrics reported to National Office in June 2016 for work completed Feb 2015 to Jan 2016.

Sea Grant improves safety among fishing communities



Sea Grant helps improve fishermen safety on the water. Credit: MIT Sea Grant

MIT Sea Grant worked with partners to develop a comprehensive guidebook for local fishermen, emergency managers, community leaders and the Coast Guard on ways to improve safety at sea. Fishing is one of the most dangerous occupations in the country with a fatality rate well above the national average. As many leaders in fishing communities plan for retirement, this manual preserves critical local fishing community knowledge and provides easy to read, step by step, instructions to help fishing communities prepare for and respond to dangers at sea. seagrant.mit.edu/press_releases.php?nwsID=547



High school students learn how to build ocean sensors in MIT Sea Grant's AUV Lab.
Credit: MIT Sea Grant

“MIT Sea Grant’s Autonomous Underwater Vehicle Lab creates significant innovation in unmanned maritime vehicles... MIT Sea Grant continues to have a profound positive impact on the global ocean science and technology community.”

- Justin Manley,

Founder of Just Innovation and Senior Member at
Institute of Electrical and Electronics Engineers

Sea Grant promotes marine technology industry growth

MIT Sea Grant has a long history of investing in research that leads to industry growth. MIT Sea Grant has greatly impacted the marine technology industry, in particular, by funding cutting edge research that stimulates job growth and business development, as well as by providing learning opportunities for students and talented early career professionals.

Notable impacts include the development of an ocean sensor that helped establish a startup company which now has 25 employees and is currently worth ~\$75 million, core support to help get a direct market seafood company off the ground, and the launch of Bluefin Robotics, an ocean technology company initially founded by MIT Sea Grant engineers, which has grown to employ about 200 people. auvlab.mit.edu

Sea Grant helps coastal cities adapt to flooding

Chelsea, Massachusetts is a densely populated coastal city with almost half of its land in the federally designated 100-year flood plain. The people, their businesses, and infrastructure are highly vulnerable to flooding.

With MIT Sea Grant guidance, the City of Chelsea’s Planning Board was able to use the latest coastal flooding models to modify their city’s development plan. Based on this plan, the city elevated three new buildings in order to protect infrastructure and reduce vulnerability to coastal flooding. In addition, the city will also construct flood walls around a vulnerable pump station, which protects critical municipal infrastructure such as schools and emergency shelters.
seagrants.mit.edu/climate_change.php



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