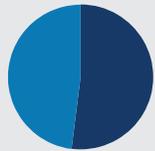




A SMART INVESTMENT *in our* COASTAL ECONOMY

Sea Grant is a federal-state partnership that turns science into action to ensure our coastal communities remain engines of economic growth in a rapidly changing world.

Our nation's economic health is inextricably linked to the stability and prosperity of our coastal communities.



More than **52 percent** of Americans live in coastal watershed counties.

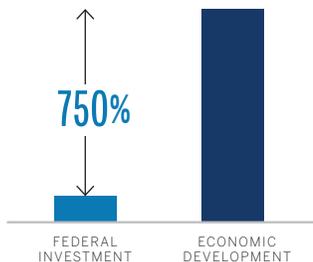


By 2020, the coastal population is expected to grow by another **10 percent or 15.6 million.**

The latest available figures show the coastal economy contributed **\$6.6 trillion** to the nation's gross domestic product in 2011, resulting in **51 million jobs** and wages worth an estimated **\$2.8 trillion.**

UNPARALLELED RETURN ON INVESTMENT

For every two federal dollars, Sea Grant leverages another dollar from state and local entities. In 2013, the Sea Grant program, which was funded at \$57 million, delivered:



\$485 million in economic development, a 750 percent return on federal investment of \$57 million in 2013



3,400 businesses created or retained

15,000 jobs created or retained

BUILDING LOCAL BUSINESSES, CREATING LOCAL JOBS

From Maine to Hawaii, commercial fishing to aquaculture, recreation to tourism, Sea Grant extension agents help to build and grow innovative businesses that create jobs and economic opportunity along America's oceans and lakes.



Indiana Sea Grant has been a driving force in building what is now a \$38 million industry in Indiana, advising entrepreneurs on building and marketing businesses that make use of the state's rich supply of materials for fish food. Today Indiana aquaculture sales help support 280 jobs statewide.

SUPPORTING EXISTING BUSINESSES, SAVING LOCAL JOBS

Sea Grant researchers provide the expertise to ensure our coastal communities have sustainable sources of income.



Connecticut Sea Grant research into the bioextractive properties of seaweed shows promise of both improved water quality and economic benefits for seaweed farmers from nitrogen trading credit programs. Seaweed aquaculture removes nutrients from seawater that could otherwise fuel the growth of potentially harmful plankton blooms. The economic value of nitrogen removal, if incorporated into a nitrogen trading program, could be as high as \$2,020/hectare for certain varieties of kelp.

CUTTING-EDGE RESEARCH AND THE BUSINESSES OF TOMORROW

Sea Grant researchers are exploring exciting new applications for promising marine discoveries in areas such as medicine.



California Sea Grant researchers are exploring the chemical makeup of a unique group of marine bacteria believed to have compounds that may contribute to the engineering of new antibiotics or anticancer therapies. They are working to isolate genes responsible for the production of the compounds and exploring the California coast for new strains of the bacteria.

These are a small sample of the more than 700 research projects Sea Grant's network of 33 programs funded this year at universities in every coastal and Great Lakes state, plus Puerto Rico and Guam.

For more information, contact Sea Grant Association. www.sga.seagrant.org

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