

conduct research, monitoring, and other activities consistent with the strategic research and implementation plan developed by the Subcommittee under section 3704 of this title that—

(1) includes—

(A) interdisciplinary research among the ocean and atmospheric sciences, and coordinated research and activities to improve understanding of ocean acidification;

(B) the establishment of a long-term monitoring program of ocean acidification utilizing existing global and national ocean observing assets, and adding instrumentation and sampling stations as appropriate to the aims of the research program;

(C) research to identify and develop adaptation strategies and techniques for effectively conserving marine ecosystems as they cope with increased ocean acidification;

(D) as an integral part of the research programs described in this chapter, educational opportunities that encourage an interdisciplinary and international approach to exploring the impacts of ocean acidification;

(E) as an integral part of the research programs described in this chapter, national public outreach activities to improve the understanding of current scientific knowledge of ocean acidification and its impacts on marine resources; and

(F) coordination of ocean acidification monitoring and impacts research with other appropriate international ocean science bodies such as the International Oceanographic Commission, the International Council for the Exploration of the Sea, the North Pacific Marine Science Organization, and others;

(2) provides grants for critical research projects that explore the effects of ocean acidification on ecosystems and the socioeconomic impacts of increased ocean acidification that are relevant to the goals and priorities of the strategic research plan; and

(3) incorporates a competitive merit-based process for awarding grants that may be conducted jointly with other participating agencies or under the National Oceanographic Partnership Program under section 7901 of title 10.

(b) Additional authority

In conducting the Program, the Secretary may enter into and perform such contracts, leases, grants, or cooperative agreements as may be necessary to carry out the purposes of this chapter on such terms as the Secretary considers appropriate.

(Pub. L. 111–11, title XII, §12406, Mar. 30, 2009, 123 Stat. 1440.)

§ 3706. NSF ocean acidification activities

(a) Research activities

The Director of the National Science Foundation shall continue to carry out research activities on ocean acidification which shall support competitive, merit-based, peer-reviewed proposals for research and monitoring of ocean acidification and its impacts, including—

(1) impacts on marine organisms and marine ecosystems;

(2) impacts on ocean, coastal, and estuarine biogeochemistry; and

(3) the development of methodologies and technologies to evaluate ocean acidification and its impacts.

(b) Consistency

The research activities shall be consistent with the strategic research plan developed by the Subcommittee under section 3704 of this title.

(c) Coordination

The Director shall encourage coordination of the Foundation's ocean acidification activities with such activities of other nations and international organizations.

(Pub. L. 111–11, title XII, §12407, Mar. 30, 2009, 123 Stat. 1441.)

§ 3707. NASA ocean acidification activities

(a) Ocean acidification activities

The Administrator of the National Aeronautics and Space Administration, in coordination with other relevant agencies, shall ensure that space-based monitoring assets are used in as productive a manner as possible for monitoring of ocean acidification and its impacts.

(b) Program consistency

The Administrator shall ensure that the Agency's research and monitoring activities on ocean acidification are carried out in a manner consistent with the strategic research plan developed by the Subcommittee under section 3704 of this title.

(c) Coordination

The Administrator shall encourage coordination of the Agency's ocean acidification activities with such activities of other nations and international organizations.

(Pub. L. 111–11, title XII, §12408, Mar. 30, 2009, 123 Stat. 1441.)

§ 3708. Authorization of appropriations

(a) NOAA

There are authorized to be appropriated to the National Oceanic and Atmospheric Administration to carry out the purposes of this chapter—

- (1) \$8,000,000 for fiscal year 2009;
- (2) \$12,000,000 for fiscal year 2010;
- (3) \$15,000,000 for fiscal year 2011; and
- (4) \$20,000,000 for fiscal year 2012.

(b) NSF

There are authorized to be appropriated to the National Science Foundation to carry out the purposes of this chapter—

- (1) \$6,000,000 for fiscal year 2009;
- (2) \$8,000,000 for fiscal year 2010;
- (3) \$12,000,000 for fiscal year 2011; and
- (4) \$15,000,000 for fiscal year 2012.

(Pub. L. 111–11, title XII, §12409, Mar. 30, 2009, 123 Stat. 1441.)

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SUBCHAPTER I—GENERAL PROVISIONS

§ 3801. Definitions

In this chapter:

(1) Administrator

The term “Administrator” means the Administrator of the Environmental Protection Agency.

(2) Antifouling system

The term “antifouling system” means a coating, paint, surface treatment, surface, or device that is used or intended to be used on a vessel to control or prevent attachment of unwanted organisms.

(3) Convention

The term “Convention” means the International Convention on the Control of Harmful Anti-Fouling Systems on Ships, 2001, including its annexes, and including any amendments to the Convention or annexes which have entered into force for the United States.

(4) FPSO

The term “FPSO” means a floating production, storage, or offloading unit.

(5) FSU

The term “FSU” means a floating storage unit.

(6) Gross tonnage

The term “gross tonnage” as defined in chapter 143 of title 46 means the gross tonnage calculated in accordance with the tonnage measurement regulations contained in annex 1 to the International Convention on Tonnage Measurement of Ships, 1969.

(7) International voyage

The term “international voyage” means a voyage by a vessel entitled to fly the flag of one country to or from a port, shipyard, offshore terminal, or other place under the jurisdiction of another country.

(8) Organotin

The term “organotin” means any compound or additive of tin bound to an organic ligand, that is used or intended to be used as biocide in an antifouling system.

(9) Person

The term “person” means—

(A) any individual, partnership, association, corporation, or organized group of persons whether incorporated or not;

(B) any department, agency, or instrumentality of the United States, except as provided in section 3802(b)(2) of this title; or

(C) any other government entity.

(10) Secretary

The term “Secretary” means the Secretary of the department in which the Coast Guard is operating.

(11) Sell or distribute

The term “sell or distribute” means to distribute, sell, offer for sale, hold for distribution, hold for sale, hold for shipment, ship, deliver for shipment, release for shipment, import, export, hold for import, hold for export, or receive and (having so received) deliver or offer to deliver.

(12) Vessel

The term “vessel” has the meaning given that term in section 3 of title 1, including hydrofoil boats, air cushion watercraft, submersibles, floating craft, fixed or floating platforms, floating storage units, and floating production, storage, and offloading units.

(13) Territorial sea

The term “territorial sea” means the territorial sea as described in Presidential Proclamation No. 5928 on December 27, 1988.

(14) United States

The term “United States” means the several States of the United States, the District of Columbia, Puerto Rico, Guam, American Samoa, the Virgin Islands, the Commonwealth of the Northern Marianas, and any other territory or possession over which the United States has jurisdiction.

(15) Use

The term “use” includes application, re-application, installation, or any other employment of an antifouling system.

(Pub. L. 111-281, title X, §1011, Oct. 15, 2010, 124 Stat. 3023; Pub. L. 111-330, §1(19), Dec. 22, 2010, 124 Stat. 3570.)

REFERENCES IN TEXT

This chapter, referred to in text, was in the original “this title”, meaning title X of Pub. L. 111-281, Oct. 15, 2010, 124 Stat. 3023, which enacted this chapter and repealed chapter 37 (§2401 et seq.) of this title. For complete classification of title X to the Code, see Tables.