

CHAPTER 49—INTEGRATED COASTAL AND OCEAN OBSERVATION SYSTEM

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§ 3601. Purposes

The purposes of this chapter are to—

(1) establish a national integrated System of ocean, coastal, and Great Lakes observing systems, comprised of Federal and non-Federal components coordinated at the national level by the National Ocean Research Leadership Council and at the regional level by a network of regional information coordination entities, and that includes in situ, remote, and other coastal and ocean observation, technologies, and data management and communication systems, and is designed to address regional and national needs for ocean information, to gather specific data on key coastal, ocean, and Great Lakes variables, and to ensure timely and sustained dissemination and availability of these data to—

(A) support national defense, marine commerce, navigation safety, weather, climate, and marine forecasting, energy siting and production, economic development, ecosystem-based marine, coastal, and Great Lakes resource management, public safety, and public outreach training and education;

(B) promote greater public awareness and stewardship of the Nation's ocean, coastal, and Great Lakes resources and the general public welfare; and

(C) enable advances in scientific understanding to support the sustainable use, conservation, management, and understanding of healthy ocean, coastal, and Great Lakes resources;

(2) improve the Nation's capability to measure, track, explain, and predict events related directly and indirectly to weather and climate change, natural climate variability, and interactions between the oceanic and atmospheric environments, including the Great Lakes; and

(3) authorize activities to promote basic and applied research to develop, test, and deploy innovations and improvements in coastal and ocean observation technologies, modeling systems, and other scientific and technological capabilities to improve our conceptual understanding of weather and climate, ocean-atmosphere dynamics, global climate change, physical, chemical, and biological dynamics of the ocean, coastal and Great Lakes environments, and to conserve healthy and restore degraded coastal ecosystems.

(Pub. L. 111-11, title XII, § 12302, Mar. 30, 2009, 123 Stat. 1427.)

SHORT TITLE

Pub. L. 111-11, title XII, § 12301, Mar. 30, 2009, 123 Stat. 1427, provided that: "This subtitle [subtitle C

(§§ 12301-12311) of title XII of Pub. L. 111-11, enacting this chapter] may be cited as the 'Integrated Coastal and Ocean Observation System Act of 2009'."

§ 3602. Definitions

In this chapter:

(1) Administrator

The term "Administrator" means the Under Secretary of Commerce for Oceans and Atmosphere in the Under Secretary's capacity as Administrator of the National Oceanic and Atmospheric Administration.

(2) Council

The term "Council" means the National Ocean Research Leadership Council established by section 7902 of title 10.

(3) Federal assets

The term "Federal assets" means all relevant non-classified civilian coastal and ocean observations, technologies, and related modeling, research, data management, basic and applied technology research and development, and public education and outreach programs, that are managed by member agencies of the Council.

(4) Interagency Ocean Observation Committee

The term "Interagency Ocean Observation Committee" means the committee established under section 3603(c)(2) of this title.

(5) Non-Federal assets

The term "non-Federal assets" means all relevant coastal and ocean observation technologies, related basic and applied technology research and development, and public education and outreach programs that are integrated into the System and are managed through States, regional organizations, universities, nongovernmental organizations, or the private sector.

(6) Regional information coordination entities

(A) In general

The term "regional information coordination entity" means an organizational body that is certified or established by contract or memorandum by the lead Federal agency designated in section 3603(c)(3) of this title and coordinates State, Federal, local, and private interests at a regional level with the responsibility of engaging the private and public sectors in designing, operating, and improving regional coastal and ocean observing systems in order to ensure the provision of data and information that meet the needs of user groups from the respective regions.

(B) Certain included associations

The term "regional information coordination entity" includes regional associations described in the System Plan.

(7) Secretary

The term "Secretary" means the Secretary of Commerce, acting through the National Oceanic and Atmospheric Administration.

(8) System

The term "System" means the National Integrated Coastal and Ocean Observation Sys-

tem established under section 3603 of this title.

(9) System Plan

The term “System Plan” means the plan contained in the document entitled “Ocean. US Publication No. 9, The First Integrated Ocean Observing System (IOOS) Development Plan”, as updated by the Council under this chapter.

(Pub. L. 111–11, title XII, §12303, Mar. 30, 2009, 123 Stat. 1428.)

§ 3603. Integrated Coastal and Ocean Observing System

(a) Establishment

The President, acting through the Council, shall establish a National Integrated Coastal and Ocean Observation System to fulfill the purposes set forth in section 3601 of this title and the System Plan and to fulfill the Nation’s international obligations to contribute to the Global Earth Observation System of Systems and the Global Ocean Observing System.

(b) System elements

(1) In general

In order to fulfill the purposes of this chapter, the System shall be national in scope and consist of—

(A) Federal assets to fulfill national and international observation missions and priorities;

(B) non-Federal assets, including a network of regional information coordination entities identified under subsection (c)(4), to fulfill regional observation missions and priorities;

(C) data management, communication, and modeling systems for the timely integration and dissemination of data and information products from the System;

(D) a research and development program conducted under the guidance of the Council, consisting of—

(i) basic and applied research and technology development to improve understanding of coastal and ocean systems and their relationships to human activities and to ensure improvement of operational assets and products, including related infrastructure, observing technologies, and information and data processing and management technologies; and

(ii) large scale computing resources and research to advance modeling of coastal and ocean processes.

(2) Enhancing administration and management

The head of each Federal agency that has administrative jurisdiction over a Federal asset shall support the purposes of this chapter and may take appropriate actions to enhance internal agency administration and management to better support, integrate, finance, and utilize observation data, products, and services developed under this section to further its own agency mission and responsibilities.

(3) Availability of data

The head of each Federal agency that has administrative jurisdiction over a Federal

asset shall make available data that are produced by that asset and that are not otherwise restricted for integration, management, and dissemination by the System.

(4) Non-Federal assets

Non-Federal assets shall be coordinated, as appropriate, by the Interagency Ocean Observing Committee or by regional information coordination entities.

(c) Policy oversight, administration, and regional coordination

(1) Council functions

The Council shall serve as the policy and coordination oversight body for all aspects of the System. In carrying out its responsibilities under this chapter, the Council shall—

(A) approve and adopt comprehensive System budgets developed and maintained by the Interagency Ocean Observation Committee to support System operations, including operations of both Federal and non-Federal assets;

(B) ensure coordination of the System with other domestic and international earth observing activities including the Global Ocean Observing System and the Global Earth Observing System of Systems, and provide, as appropriate, support for and representation on United States delegations to international meetings on coastal and ocean observing programs; and

(C) encourage coordinated intramural and extramural research and technology development, and a process to transition developing technology and methods into operations of the System.

(2) Interagency Ocean Observation Committee

The Council shall establish or designate an Interagency Ocean Observation Committee which shall—

(A) prepare annual and long-term plans for consideration and approval by the Council for the integrated design, operation, maintenance, enhancement and expansion of the System to meet the objectives of this chapter and the System Plan;

(B) develop and transmit to Congress at the time of submission of the President’s annual budget request an annual coordinated, comprehensive budget to operate all elements of the System identified in subsection (b), and to ensure continuity of data streams from Federal and non-Federal assets;

(C) establish required observation data variables to be gathered by both Federal and non-Federal assets and identify, in consultation with regional information coordination entities, priorities for System observations;

(D) establish protocols and standards for System data processing, management, and communication;

(E) develop contract certification standards and compliance procedures for all non-Federal assets, including regional information coordination entities, to establish eligibility for integration into the System and to ensure compliance with all applicable standards and protocols established by the Council, and ensure that regional observations