

(1) Adaptive ecosystem management**(A) Definition**

The term “adaptive ecosystem management” means a natural resource management process under which planning, implementation, monitoring, research, evaluation, and incorporation of new knowledge are combined into a management approach that—

- (i) is based on scientific findings and the needs of society;
- (ii) treats management actions as experiments;
- (iii) acknowledges the complexity of these systems and scientific uncertainty; and
- (iv) uses the resulting new knowledge to modify future management methods and policy.

(B) Clarification

This paragraph shall not define the term “adaptive ecosystem management” for the purposes of the Forest and Rangeland Renewable Resources Planning Act of 1974 (16 U.S.C. 1600 et seq.).

(2) Affected entities

The term “affected entities” includes—

- (A) land managers;
- (B) stakeholders;
- (C) concerned citizens; and
- (D) the States of the interior West, including political subdivisions of the States.

(3) Dry forest and woodland ecosystem

The term “dry forest and woodland ecosystem” means an ecosystem that is dominated by ponderosa pines and associated dry forest and woodland types.

(4) Institute

The term “Institute” means an Institute established under section 6704(a) of this title.

(5) Interior West

The term “interior West” means the States of Arizona, Colorado, Idaho, Nevada, New Mexico, and Utah.

(6) Land manager**(A) In general**

The term “land manager” means a person or entity that practices or guides natural resource management.

(B) Inclusions

The term “land manager” includes a Federal, State, local, or tribal land management agency.

(7) Restoration

The term “restoration” means a process undertaken to move an ecosystem or habitat toward—

- (A) a sustainable structure of the ecosystem or habitat; or
- (B) a condition that supports a natural complement of species, natural function, or ecological process (such as a low-intensity fire).

(8) Secretary

The term “Secretary” means the Secretary of Agriculture, acting through the Chief of the Forest Service.

(9) Secretaries

The term “Secretaries” means—

- (A) the Secretary of Agriculture, acting through the Chief of the Forest Service; and
- (B) the Secretary of the Interior.

(10) Stakeholder

The term “stakeholder” means any person interested in or affected by management of forest or woodland ecosystems.

(11) Subdominant trees

Are trees that occur underneath the canopy or extend into the canopy but are smaller and less vigorous than dominant trees.

(12) Overstocked stands

Where the number of trees per acre exceeds the natural carrying capacity of the site.

(13) Resilience

The ability of a system to absorb disturbance without being pushed into a different, possibly less desirable stable state.

(Pub. L. 108-317, §4, Oct. 5, 2004, 118 Stat. 1206.)

REFERENCES IN TEXT

The Forest and Rangeland Renewable Resources Planning Act of 1974, referred to in par. (1)(B), is Pub. L. 93-378, Aug. 17, 1974, 88 Stat. 476, as amended, which is classified generally to subchapter I (§1600 et seq.) of chapter 36 of this title. For complete classification of this Act to the Code, see Short Title note set out under section 1600 of this title and Tables.

§ 6704. Establishment of Institutes**(a) In general**

The Secretary, in consultation with the Secretary of the Interior, shall—

- (1) not later than 180 days after October 5, 2004, establish Institutes to promote the use of adaptive ecosystem management to reduce the risk of wildfires, and restore the health of forest and woodland ecosystems, in the interior West; and

- (2) provide assistance to the Institutes to promote the use of collaborative processes and adaptive ecosystem management in accordance with paragraph (1).

(b) Location**(1) Existing Institutes**

The Secretary may designate an institute in existence on October 5, 2004, to serve as an Institute established under this chapter.

(2) States

Of the Institutes established under this chapter, the Secretary shall establish 1 Institute in each of—

- (A) the State of Arizona, to be located at Northern Arizona University;
- (B) the State of New Mexico, to be located at New Mexico Highlands University, while engaging the full resources of the consortium of universities represented in the Institute of Natural Resource Analysis and Management (INRAM); and
- (C) the State of Colorado.

(c) Duties

Each Institute shall—

(1) develop, conduct research on, transfer, promote, and monitor restoration-based hazardous fuel reduction treatments to reduce the risk of severe wildfires and improve the health of dry forest and woodland ecosystems in the interior West;

(2) synthesize and adapt scientific findings from conventional research to implement restoration-based hazardous fuel reduction treatments on a landscape scale using an adaptive ecosystem management framework;

(3) translate for and transfer to affected entities any scientific and interdisciplinary knowledge about restoration-based hazardous fuel reduction treatments;

(4) assist affected entities with the design of adaptive management approaches (including monitoring) for the implementation of restoration-based hazardous fuel reduction treatments; and

(5) provide peer-reviewed annual reports.

(d) Qualifications

Each Institute shall—

(1) develop and demonstrate capabilities in the natural, physical, social, and policy sciences; and

(2) explicitly integrate those disciplines in the performance of the duties listed in subsection (c).

(e) Cooperation

Each Institute may cooperate with—

(1) researchers and cooperative extension programs at colleges, community colleges, and universities in the States of Arizona, New Mexico, and Colorado that have a demonstrated capability to conduct research described in subsection (c); and

(2) other organizations and entities in the interior West (such as the Western Governors' Association).

(f) Annual work plans

As a condition of the receipt of funds made available under this chapter, for each fiscal year, each Institute shall develop in consultation with the Secretary, for review by the Secretary, in consultation with the Secretary of the Interior, an annual work plan that includes assurances, satisfactory to the Secretaries, that the proposed work of the Institute will serve the informational needs of affected entities.

(g) Establishment of additional Institutes

If after 2 years after October 5, 2004, the Secretary finds that the Institute model established at the locations named in subsection (b)(2) would be constructive for other interior West States, the Secretary may establish 1 institute in each of those States.

(Pub. L. 108-317, §5, Oct. 5, 2004, 118 Stat. 1207.)

§ 6705. Cooperation between Institutes and Federal agencies

In carrying out this chapter, the Secretary, in consultation with the Secretary of the Interior—

(1) to the extent that funds are appropriated for the purpose, shall provide financial and technical assistance to the Institutes to carry out the duties of the Institutes under section 6704 of this title;

(2) shall encourage Federal agencies to use, on a cooperative basis, information and expertise provided by the Institutes;

(3) shall encourage cooperation and coordination between Federal programs relating to—

(A) ecological restoration;

(B) wildfire risk reduction; and

(C) wildfire management technologies;

(4) notwithstanding chapter 63 of title 31, may—

(A) enter into contracts, cooperative agreements, and interagency personnel agreements to carry out this chapter; and

(B) carry out other transactions under this chapter;

(5) may accept funds from other Federal agencies to supplement or fully fund grants made, and contracts entered into, by the Secretaries;

(6) may support a program of internships for qualified individuals at the undergraduate and graduate levels to carry out the educational and training objectives of this chapter;

(7) shall encourage professional education and public information activities relating to the purposes of this chapter; and

(8) may promulgate such regulations as the Secretaries determine are necessary to carry out this chapter.

(Pub. L. 108-317, §6, Oct. 5, 2004, 118 Stat. 1208.)

§ 6706. Monitoring and evaluation

(a) In general

Not later than 5 years after October 5, 2004, and every 5 years thereafter, the Secretary, in consultation with the Secretary of the Interior, shall complete and submit to the Committee on Resources and the Committee on Agriculture of the House of Representatives and to the Committee on Energy and Natural Resources of the Senate a detailed evaluation of the programs and activities of each Institute—

(1) to ensure, to the maximum extent practicable, that the research, communication tools, and information transfer activities of each Institute are sufficient to achieve the purposes of this chapter, including—

(A) implementing active adaptive ecosystem management practices at the landscape level;

(B) reducing unnecessary planning costs;

(C) avoiding duplicative and conflicting efforts;

(D) increasing public acceptance of active adaptive ecosystem management practices; and

(E) achieving general satisfaction on the part of affected entities;

(2) to determine the extent to which each Institute has implemented its duties under section 6704(c) of this title; and

(3) to determine whether continued provision of Federal assistance to each Institute is warranted.

(b) Termination of assistance

If, as a result of an evaluation under subsection (a), the Secretary, in consultation with the Secretary of the Interior, determines that