

(C) develop metrics to assess gains in academic research quality and competitiveness, and in science and technology human resource development;

(D) conduct a cross-agency evaluation of EPSCoR and other Federal EPSCoR-like programs and accomplishments, including management, investment, and metric-measuring strategies implemented by the different agencies aimed to increase the number of new investigators receiving peer-reviewed funding, broaden participation, and empower knowledge generation, dissemination, application, and national research and development competitiveness;

(E) coordinate the development and implementation of new, novel workshops, outreach activities, and follow-up mentoring activities among EPSCoR or EPSCoR-like programs for colleges and universities in EPSCoR States and territories in order to increase the number of proposals submitted and successfully funded and to enhance statewide coordination of EPSCoR and Federal EPSCoR-like programs;

(F) coordinate the development of new, innovative solicitations and programs to facilitate collaborations, partnerships, and mentoring activities among faculty at all levels in non-EPSCoR and EPSCoR States and jurisdictions;

(G) conduct an evaluation of the roles, responsibilities and degree of autonomy that program officers or managers (or the equivalent position) have in executing EPSCoR programs at the different Federal agencies and the impacts these differences have on the number of EPSCoR State and jurisdiction faculty participating in the peer review process and the percentage of successful awards by individual EPSCoR State jurisdiction and individual researcher; and

(H) conduct a survey of colleges and university faculty at all levels regarding their knowledge and understanding of EPSCoR, and their level of interaction with and knowledge about their respective State or Jurisdictional EPSCoR Committee.

(3) Meetings and reports

The Committee shall meet at least twice each fiscal year and shall submit an annual report to the appropriate committees of Congress describing progress made in carrying out paragraph (2).

(e) Federal agency reports

Each Federal agency that administers an EPSCoR or Federal EPSCoR-like program shall submit to the OSTP as part of its Federal budget submission—

(1) a description of the program strategy and objectives;

(2) a description of the awards made in the previous year, including—

(A) the percentage of reviewers and number of new reviewers from EPSCoR States;

(B) the percentage of new investigators from EPSCoR States;

(C) the number of programs or large collaborator awards involving a partnership of organizations and institutions from EPSCoR and non-EPSCoR States; and

(3) an analysis of the gains in academic research quality and competitiveness, and in science and technology human resource development, achieved by the program in the last year.

(f) National Academy of Sciences study

(1) In general

The Director shall contract with the National Academy of Sciences to conduct a study on all Federal agencies that administer an Experimental Program to Stimulate Competitive Research or a program similar to the Experimental Program to Stimulate Competitive Research.

(2) Matters to be addressed

The study conducted under paragraph (1) shall include the following:

(A) A delineation of the policies of each Federal agency with respect to the awarding of grants to EPSCoR States.

(B) The effectiveness of each program.

(C) Recommendations for improvements for each agency to achieve EPSCoR goals.

(D) An assessment of the effectiveness of EPSCoR States in using awards to develop science and engineering research and education, and science and engineering infrastructure within their States.

(E) Such other issues that address the effectiveness of EPSCoR as the National Academy of Sciences considers appropriate.

(Pub. L. 111-358, title V, §517, Jan. 4, 2011, 124 Stat. 4013.)

REFERENCES IN TEXT

The National Science Foundation Act of 1950, referred to in subsec. (a)(1), is act May 10, 1950, ch. 171, 64 Stat. 149, which is classified generally to this chapter. For complete classification of this Act to the Code, see Short Title note set out under section 1861 of this title and Tables.

CODIFICATION

Section was enacted as part of the America COMPETES Reauthorization Act of 2010, also known as the America Creating Opportunities to Meaningfully Promote Excellence in Technology, Education, and Science Reauthorization Act of 2010, and also as part of the National Science Foundation Authorization Act of 2010, and not as part of the National Science Foundation Act of 1950 which comprises this chapter.

DEFINITIONS

For definitions of terms used in this section, see section 502 of Pub. L. 111-358, set out as a note under section 1862p of this title.

§ 1862p-10. Academic technology transfer and commercialization of university research

(a) In general

Any institution of higher education (as such term is defined in section 1001(a)¹ of title 20) that receives National Science Foundation research support and has received at least \$25,000,000 in total Federal research grants in the most recent fiscal year shall keep, maintain, and report annually to the National Science Foundation the universal record locator for a

¹ See References in Text note below.

public website that contains information concerning its general approach to and mechanisms for transfer of technology and the commercialization of research results, including—

- (1) contact information for individuals and university offices responsible for technology transfer and commercialization;
- (2) information for both university researchers and industry on the institution's technology licensing and commercialization strategies;
- (3) success stories, statistics, and examples of how the university supports commercialization of research results;
- (4) technologies available for licensing by the university where appropriate; and
- (5) any other information deemed by the institution to be helpful to companies with the potential to commercialize university inventions.

(b) NSF website

The National Science Foundation shall create and maintain a website accessible to the public that links to each website mentioned under (a).

(c) Trade secret information

Notwithstanding subsection (a), an institution shall not be required to reveal confidential, trade secret, or proprietary information on its website.

(Pub. L. 111-358, title V, §520, Jan. 4, 2011, 124 Stat. 4016.)

REFERENCES IN TEXT

Section 1001(a) of title 20, referred to in subsec. (a), was in the original “section 101(A) of the Higher Education Act of 1965 (20 U.S.C. 1001(a))”, and was translated as reading “section 101(a)” of that Act, to reflect the probable intent of Congress.

CODIFICATION

Section was enacted as part of the America COMPETES Reauthorization Act of 2010, also known as the America Creating Opportunities to Meaningfully Promote Excellence in Technology, Education, and Science Reauthorization Act of 2010, and also as part of the National Science Foundation Authorization Act of 2010, and not as part of the National Science Foundation Act of 1950 which comprises this chapter.

§ 1862p-11. NSF grants in support of sponsored post-doctoral fellowship programs

The Director of the National Science Foundation may utilize funds appropriated to carry out grants to institutions of higher education (as such term is defined in section 1001(a) of title 20) to provide financial support for post-graduate research in fields with potential commercial applications to match, in whole or in part, any private sector grant of financial assistance to any post-doctoral program in such a field of study.

(Pub. L. 111-358, title V, §522, Jan. 4, 2011, 124 Stat. 4017.)

CODIFICATION

Section was enacted as part of the America COMPETES Reauthorization Act of 2010, also known as the America Creating Opportunities to Meaningfully Promote Excellence in Technology, Education, and Science Reauthorization Act of 2010, and also as part of the National Science Foundation Authorization Act of 2010, and not as part of the National Science Foundation Act of 1950 which comprises this chapter.

§ 1862p-12. Cloud computing research enhancement

(a) Research focus area

The Director may support a national research agenda in key areas affected by the increased use of public and private cloud computing, including—

- (1) new approaches, techniques, technologies, and tools for—
 - (A) optimizing the effectiveness and efficiency of cloud computing environments; and
 - (B) mitigating security, identity, privacy, reliability, and manageability risks in cloud-based environments, including as they differ from traditional data centers;
- (2) new algorithms and technologies to define, assess, and establish large-scale, trustworthy, cloud-based infrastructures;
- (3) models and advanced technologies to measure, assess, report, and understand the performance, reliability, energy consumption, and other characteristics of complex cloud environments; and
- (4) advanced security technologies to protect sensitive or proprietary information in global-scale cloud environments.

(b) Establishment

(1) In general

Not later than 60 days after January 4, 2011, the Director shall initiate a review and assessment of cloud computing research opportunities and challenges, including research areas listed in subsection (a), as well as related issues such as—

- (A) the management and assurance of data that are the subject of Federal laws and regulations in cloud computing environments, which laws and regulations exist on January 4, 2011;
- (B) misappropriation of cloud services, piracy through cloud technologies, and other threats to the integrity of cloud services;
- (C) areas of advanced technology needed to enable trusted communications, processing, and storage; and
- (D) other areas of focus determined appropriate by the Director.

(2) Unsolicited proposals

The Director may accept unsolicited proposals that review and assess the issues described in paragraph (1). The proposals may be judged according to existing criteria of the National Science Foundation.

(c) Report

The Director shall provide an annual report for not less than 5 consecutive years to Congress on the outcomes of National Science Foundation investments in cloud computing research, recommendations for research focus and program improvements, or other related recommendations. The reports, including any interim findings or recommendations, shall be made publicly available on the website of the National Science Foundation.

(d) NIST support

The Director of the National Institute of Standards and Technology shall—