

(4) in section 529(a)(4) (21 U.S.C. 21 U.S.C. 360ff(a)(4)), by striking subparagraphs (A) and (B) and inserting the following:

“(A) is for a drug or biological product that is for the prevention or treatment of a rare pediatric disease;

“(B)(i) is for such a drug—

“(I) that contains no active moiety (as defined by the Secretary in section 314.3 of title 21, Code of Federal Regulations (or any successor regulations)) that has been previously approved in any other application under subsection (b)(1), (b)(2), or (j) of section 505; and

“(II) that is the subject of an application submitted under section 505(b)(1); or

“(ii) is for such a biological product—

“(I) that contains no active ingredient that has been previously approved in any other application under section 351(a) or 351(k) of the Public Health Service Act; and

“(II) that is the subject of an application submitted under section 351(a) of the Public Health Service Act;”;

(5) in section 565A(a)(4) (21 U.S.C. 360bbb-4a(a)(4)), by amending subparagraph (D) to read as follows:

“(D) is for—

“(i) a human drug, no active moiety (as defined by the Secretary in section 314.3 of title 21, Code of Federal Regulations (or any successor regulations)) of which has been approved in any other application under section 505(b)(1); or

“(ii) a biological product, no active ingredient of which has been approved in any other application under section 351 of the Public Health Service Act.”

(b) TECHNICAL CORRECTIONS.—Chapter V of the Federal Food, Drug, and Cosmetic Act (21 U.S.C. 351 et seq) is amended—

(1) in section 505 (21 U.S.C. 355)—

(A) in subsection (c)(3)(E), by repealing clause (i); and

(B) in subsection (j)(5)(F), by repealing clause (i); and

(2) in section 505A(c)(1)(A)(i)(II) (21 U.S.C. 355a(c)(1)(A)(i)(II)), by striking “(c)(3)(D)” and inserting “(c)(3)(E)”.

LEARNING EXCELLENCE AND GOOD EXAMPLES FROM NEW DEVELOPERS ACT OF 2019

Mr. McCONNELL. Mr. President, I ask unanimous consent that the Senate proceed to the immediate consideration of Calendar No. 514, S. 2597.

The PRESIDING OFFICER. The clerk will report the bill by title.

The senior assistant legislative clerk read, as follows:

A bill (S. 2597) to require the National Oceanic and Atmospheric Administration to make certain operational models available to the public, and for other purposes.

There being no objection, the Senate proceeded to consider the bill, which had been reported from the Committee on Commerce, Science, and Transportation with an amendment, as follows:

(The part of the bill intended to be stricken is shown in boldface brackets and the part of the bill intended to be inserted is shown in italics.)

S. 2597

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE.

This Act may be cited as the “Learning Excellence and Good Examples from New Developers Act of 2019” or the “LEGEND Act of 2019”.

SEC. 2. DEFINITIONS.

In this Act:

(1) ADMINISTRATION.—The term “Administration” means the National Oceanic and Atmospheric Administration.

(2) ADMINISTRATOR.—The term “Administrator” means the Under Secretary of Commerce for Oceans and Atmosphere and Administrator of the National Oceanic and Atmospheric Administration.

(3) MODEL.—The term “model” means any numerical model of the Earth’s system or its components produced by scientists employed by the Administration.

(4) OPERATIONAL MODEL.—The term “operational model” means any model that has an output used by the Administration for operational or public service functions.

(5) OPEN SOURCE CODE.—The term “open source code” means computer code or programming language that is available for public use or modification.

SEC. 3. PURPOSES.

The purposes of this Act are—

(1) to support innovation in modeling by allowing interested stakeholders to have easy and complete access to the models used by the Administration; and

(2) to use vetted innovations arising from access provided under paragraph (1) to improve modeling by the Administration.

SEC. 4. REQUIREMENT TO MAKE CERTAIN OPERATIONAL MODELS AVAILABLE TO THE PUBLIC.

(a) IN GENERAL.—The Administrator shall make available to the public the following:

(1) Current and future operational models developed by the Administration, in the form of open source code for a period consistent with applicable records retention requirements.

(2) All Government-owned data, subject to redistribution rights, associated with such models and used in operational forecasting by the Administration, including—

(A) relevant metadata;

(B) data used for current operational forecasts; and

(C) a description of intended model outputs.

(b) DISCRETION TO MAKE EXPERIMENTAL OR DEVELOPMENT MODELS AVAILABLE.—The Administrator may make experimental or developmental models associated with development projects funded by the Administration available to the public as open source code.

(c) PLATFORM.—In carrying out subsections (a) and (b), the Administrator may use government servers, contracts or agreements with a private vendor, or any other platform consistent with the purpose of this Act.

(d) TECHNICAL CORRECTION.—Section 102(b) of the Weather Research Forecasting and Innovation Act of 2017 (15 U.S.C. 8512(b)) is amended by redesignating the second paragraph (4) (as added by section 4(a) of the National Integrated Drought Information System Reauthorization Act of 2018 (Public Law 115-423)) as paragraph (5).

(e) PHASED IMPLEMENTATION.—

(1) IMMEDIATE EFFECT FOR CERTAIN MODELS.—For operational models that, as of the date of the enactment of this Act, meet the requirements described in paragraph (5)(E)(ii) of section 102(b) of the Weather Research Forecasting and Innovation Act of 2017 (15 U.S.C. 8512(b)), as redesignated by subsection (d), the Administrator shall implement the requirements of subsection (a) as soon as practicable after such date of enactment.

(2) NEW MODELS.—For operational models that meet the requirements described in paragraph (1) and are created or substantially updated after the date of the enactment of this Act, the Administrator shall implement the requirements of subsection

(a) not later than 1 year after such date of enactment.

SEC. 5. REQUIREMENT TO REVIEW MODELS AND LEVERAGE INNOVATIONS.

The Administrator shall—

(1) consistent with the mission of the Earth Prediction Innovation Center, periodically review innovations and improvements made by persons outside the Administration to the operational models made available to the public under section 4 in order to improve the accuracy and timeliness of forecasts of the Administration; and

(2) if the Administrator identifies an innovation for such a model the Administrator considers suitable, develop and implement a plan to use the innovation to improve the model.

SEC. 6. REPORT ON IMPLEMENTATION.

(a) IN GENERAL.—Not later than 1 year after the date of the enactment of this Act, the Administrator shall submit to the appropriate congressional committees a report on the implementation of this Act that includes a description of—

(1) how operational models have been made publicly available as required by section 4(a); and

(2) the process of the Administration under section 5—

(A) for engaging with interested stakeholders to learn what innovations those stakeholders have found;

(B) for reviewing those innovations; and

(C) for operationalizing innovations the Administrator considers suitable.

(b) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means—

(1) the Committee on Commerce, Science, and Transportation and the Committee on Appropriations of the Senate; and

(2) the Committee on Science, Space, and Technology and the Committee on Appropriations of the House of Representatives.

SEC. 7. PROTECTION OF NATIONAL SECURITY INTERESTS.

(a) IN GENERAL.—Notwithstanding any other provision of this Act, the Administrator may withhold models or data used in operational weather forecasting if the Administrator determines doing so to be necessary to protect the national security interests of the United States.

(b) RULE OF CONSTRUCTION.—Nothing in this Act shall be construed to supersede any other provision of law governing the protection of the national security interests of the United States.

[SEC. 8. AUTHORIZATION OF APPROPRIATIONS.]

There are authorized to be appropriated to the Administration for each of fiscal years 2021 through 2026 such sums as may be necessary to carry out this Act.]

SEC. 8. FUNDING.

The Administrator shall carry out this Act using amounts available to the Administrator for fiscal years 2021 through 2026.

Mr. McCONNELL. I ask unanimous consent that the committee-reported amendment be withdrawn; that the Thune substitute amendment at the desk be agreed to; that the bill, as amended, be considered read a third time and passed; and that the motion to reconsider be considered made and laid upon the table.

The PRESIDING OFFICER. Without objection, it is so ordered.

The committee-reported amendment was withdrawn.

The amendment (No. 2705), in the nature of a substitute, was agreed to, as follows:

(Purpose: In the nature of a substitute)

Strike all after the enacting clause and insert the following:

SECTION 1. SHORT TITLE.

This Act may be cited as the “Learning Excellence and Good Examples from New Developers Act of 2020” or the “LEGEND Act of 2020”.

SEC. 2. DEFINITIONS.

In this Act:

(1) **ADMINISTRATION.**—The term “Administration” means the National Oceanic and Atmospheric Administration.

(2) **ADMINISTRATOR.**—The term “Administrator” means the Under Secretary of Commerce for Oceans and Atmosphere and Administrator of the National Oceanic and Atmospheric Administration.

(3) **EARTH PREDICTION INNOVATION CENTER.**—The term “Earth Prediction Innovation Center” means the community global weather research modeling system described in paragraph (5)(E) of section 102(b) of the Weather Research Forecasting and Innovation Act of 2017 (15 U.S.C. 8512(b)), as redesignated by section 4(g).

(4) **MODEL.**—The term “model” means any vetted numerical model and associated data assimilation of the Earth’s system or its components—

(A) developed, in whole or in part, by scientists and engineers employed by the Administration; or

(B) otherwise developed using Federal funds.

(5) **OPERATIONAL MODEL.**—The term “operational model” means any model that has an output used by the Administration for operational functions.

(6) **SUITABLE MODEL.**—The term “suitable model” means a model that meets the requirements described in paragraph (5)(E)(ii) of section 102(b) of the Weather Research Forecasting and Innovation Act of 2017 (15 U.S.C. 8512(b)), as redesignated by section 4(g), as determined by the Administrator.

SEC. 3. PURPOSES.

The purposes of this Act are—

(1) to support innovation in modeling by allowing interested stakeholders to have easy and complete access to the models used by the Administration, as the Administrator determines appropriate; and

(2) to use vetted innovations arising from access described in paragraph (1) to improve modeling by the Administration.

SEC. 4. PLAN AND IMPLEMENTATION OF PLAN TO MAKE CERTAIN MODELS AND DATA AVAILABLE TO THE PUBLIC.

(a) **IN GENERAL.**—The Administrator shall develop and implement a plan to make available to the public the following:

(1) Operational models developed by the Administration.

(2) Models that are not operational models, including experimental and developmental models, as the Administrator determines appropriate.

(3) Applicable information and documentation for models described in paragraphs (1) and (2).

(4) Subject to section 7, all data owned by the Federal Government and data that the Administrator has the legal right to redistribute that are associated with models made available to the public pursuant to the plan and used in operational forecasting by the Administration, including—

(A) relevant metadata;

(B) data used for operational models used by the Administration as of the date of the enactment of this Act; and

(C) a description of intended model outputs.

(b) **ACCOMMODATIONS.**—In developing and implementing the plan under subsection (a), the Administrator may make such accom-

modations as the Administrator considers appropriate to ensure that the public release of any model, information, documentation, or data pursuant to the plan does not jeopardize—

(1) national security;

(2) intellectual property or redistribution rights, including under titles 17 and 35, United States Code;

(3) any trade secret or commercial or financial information subject to section 552(b)(4) of title 5, United States Code;

(4) any models or data that are otherwise restricted by contract or other written agreement; or

(5) the mission of the Administration to protect lives and property.

(c) **PRIORITY.**—In developing and implementing the plan under subsection (a), the Administrator shall prioritize making available to the public the models described in subsection (a)(1).

(d) **EXCLUSION OF CERTAIN MODELS.**—In developing and implementing the plan under subsection (a), the Administrator may exclude models that the Administrator determines will be retired or superseded in fewer than 5 years after the date of the enactment of this Act.

(e) **PLATFORMS.**—In carrying out subsections (a) and (b), the Administrator may use government servers, contracts or agreements with a private vendor, or any other platform consistent with the purpose of this Act.

(f) **SUPPORT PROGRAM.**—The Administrator shall plan for and establish a program to support infrastructure, including telecommunications and technology infrastructure of the Administration and the platforms described in subsection (e), relevant to making operational models and data available to the public pursuant to the plan under subsection (a).

(g) **TECHNICAL CORRECTION.**—Section 102(b) of the Weather Research Forecasting and Innovation Act of 2017 (15 U.S.C. 8512(b)) is amended by redesignating the second paragraph (4) (as added by section 4(a) of the National Integrated Drought Information System Reauthorization Act of 2018 (Public Law 115-423; 132 Stat. 5456)) as paragraph (5).

SEC. 5. REQUIREMENT TO REVIEW MODELS AND LEVERAGE INNOVATIONS.

The Administrator shall—

(1) consistent with the mission of the Earth Prediction Innovation Center, periodically review innovations and improvements made by persons outside the Administration to the operational models made available to the public pursuant to the plan under section 4(a) in order to improve the accuracy and timeliness of forecasts of the Administration; and

(2) if the Administrator identifies an innovation for a suitable model, develop and implement a plan to use the innovation to improve the model.

SEC. 6. REPORT ON IMPLEMENTATION.

(a) **IN GENERAL.**—Not later than 2 years after the date of the enactment of this Act, the Administrator shall submit to the appropriate congressional committees a report on the implementation of this Act that includes a description of—

(1) the implementation of the plan required by section 4;

(2) the process of the Administration under section 5—

(A) for engaging with interested stakeholders to learn what innovations those stakeholders have found;

(B) for reviewing those innovations; and

(C) for operationalizing innovations to improve suitable models.

(b) **APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.**—In this section, the term

“appropriate congressional committees” means—

(1) the Committee on Commerce, Science, and Transportation and the Committee on Appropriations of the Senate; and

(2) the Committee on Science, Space, and Technology and the Committee on Appropriations of the House of Representatives.

SEC. 7. PROTECTION OF NATIONAL SECURITY INTERESTS.

(a) **IN GENERAL.**—Notwithstanding any other provision of this Act, the Administrator, in consultation with the Secretary of Defense, as appropriate, may withhold any model or data if the Administrator determines doing so to be necessary to protect the national security interests of the United States.

(b) **RULE OF CONSTRUCTION.**—Nothing in this Act shall be construed to supersede any other provision of law governing the protection of the national security interests of the United States.

The bill (S. 2597), as amended, was ordered to be engrossed for a third reading, was read the third time, and passed.

ADVANCING RESEARCH TO PREVENT SUICIDE ACT

Mr. McCONNELL. Mr. President, I ask unanimous consent that the Committee on Commerce, Science, and Transportation be discharged from further consideration of H.R. 4704 and the Senate proceed to its immediate consideration.

The PRESIDING OFFICER. The clerk will report the bill by title.

The senior assistant legislative clerk read as follows:

A bill (H.R. 4704) to direct the Director of the National Science Foundation to support multidisciplinary research on the science of suicide, and to advance the knowledge and understanding of issues that may be associated with several aspects of suicide including intrinsic and extrinsic factors related to areas such as wellbeing, resilience, and vulnerability.

There being no objection, the committee was discharged, and the Senate proceeded to consider the bill.

Mr. McCONNELL. I ask unanimous consent that the Wicker amendment at the desk be agreed to; that the bill, as amended, be considered read a third time and passed; and that the motion to reconsider be considered made and laid upon the table.

The PRESIDING OFFICER. Without objection, it is so ordered.

The amendment (No. 2706), in the nature of a substitute, was agreed to, as follows:

(Purpose: In the nature of a substitute)

Strike all after the enacting clause and insert the following:

SECTION 1. SHORT TITLE.

This Act may be cited as the “Advancing Research to Prevent Suicide Act”.

SEC. 2. FINDINGS.

Congress finds the following:

(1) The rate of Americans dying by suicide is on the rise, increasing 10.7 to 14.0 deaths per 100,000 people from 2001 to 2017.

(2) Suicide is the tenth-leading cause of death among people in the United States and the second-leading cause of death for young people between the ages of 15 and 34.