

116TH CONGRESS  
2D SESSION

# S. 3890

To establish the National Artificial Intelligence Research Resource Task Force, and for other purposes.

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IN THE SENATE OF THE UNITED STATES

JUNE 4, 2020

Mr. PORTMAN (for himself and Mr. HEINRICH) introduced the following bill; which was read twice and referred to the Committee on Commerce, Science, and Transportation

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## A BILL

To establish the National Artificial Intelligence Research Resource Task Force, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “National AI Research  
5 Resource Task Force Act of 2020”.

6 **SEC. 2. NATIONAL AI RESEARCH RESOURCE TASK FORCE.**

7 (a) DEFINITIONS.—In this section:

8 (1) NATIONAL ARTIFICIAL INTELLIGENCE RE-  
9 SEARCH RESOURCE.—The term “national artificial  
10 intelligence research resource” mean a system that

1 provides researchers and students across scientific  
2 fields and disciplines with access to compute re-  
3 sources, co-located with publicly available, artificial  
4 intelligence-ready government and nongovernment  
5 data sets and a research environment with appro-  
6 priate educational tools and user support.

7 (2) OWNERSHIP.—The term “ownership”, with  
8 respect to a national artificial intelligence research  
9 resource, means responsibility and accountability  
10 for—

11 (A) the implementation, deployment, and  
12 ongoing development of the resource; and

13 (B) providing staff to support such imple-  
14 mentation, deployment, and ongoing develop-  
15 ment.

16 (b) ESTABLISHMENT OF TASK FORCE.—

17 (1) ESTABLISHMENT.—

18 (A) IN GENERAL.—The Director of the  
19 National Science Foundation, in coordination  
20 with the Director of the Office of Science and  
21 Technology Policy, shall establish a task  
22 force—

23 (i) to investigate the feasibility and  
24 advisability of establishing a national arti-  
25 ficial intelligence research resource; and

1                   (ii) to propose a roadmap detailing  
2                   how such resource should be established  
3                   and sustained.

4                   (B) DESIGNATION.—The task force estab-  
5                   lished by subparagraph (A) shall be known as  
6                   the “National Artificial Intelligence Research  
7                   Resource Task Force” (in this section referred  
8                   to as the “Task Force”).

9                   (2) MEMBERSHIP.—

10                   (A) COMPOSITION.—The Task Force shall  
11                   be composed of 12 members selected by the co-  
12                   chairpersons of the Task Force from among  
13                   technical experts in artificial intelligence or re-  
14                   lated subjects, of whom—

15                   (i) 4 shall be representatives from the  
16                   Federal Government, including the co-  
17                   chairpersons of the Task Force;

18                   (ii) 4 shall be representatives from in-  
19                   stitutions of higher educations (as such  
20                   term is defined in section 101 of the High-  
21                   er Education Act of 1965 (20 U.S.C.  
22                   1001)); and

23                   (iii) 4 shall be representatives from  
24                   private organizations.

1 (B) APPOINTMENT.—Not later than 120  
2 days after enactment of this Act, the co-chair-  
3 persons of the Task Force shall appoint mem-  
4 bers to the Task Force pursuant to subpara-  
5 graph (A).

6 (C) TERM OF APPOINTMENT.—Members of  
7 the Task Force shall be appointed for the life  
8 of the Task Force.

9 (D) VACANCY.—Any vacancy occurring in  
10 the membership of the Task Force shall be  
11 filled in the same manner in which the original  
12 appointment was made.

13 (E) CO-CHAIRPERSONS.—The Director of  
14 the Office of Science and Technology Policy and  
15 the Director of the National Sciences Founda-  
16 tion, or their designees, shall be the co-chair-  
17 persons of the Task Force. If the role of the  
18 Director of the National Science Foundation is  
19 vacant, the Chair of the National Science Board  
20 shall act as a co-chairperson of the Task Force  
21 in lieu of the Director of the National Science  
22 Foundation.

23 (F) EXPENSES FOR NON-FEDERAL MEM-  
24 BERS.—Non-Federal members of the Task  
25 Force shall be allowed travel expenses, includ-

1           ing per diem in lieu of subsistence, at rates au-  
2           thorized for employees under subchapter I of  
3           chapter 57 of title 5, United States Code, while  
4           away from their homes or regular places of  
5           business in the performance of services for the  
6           Task Force.

7           (c) ROADMAP AND IMPLEMENTATION PLAN.—

8           (1) IN GENERAL.—The Task Force shall de-  
9           velop a coordinated roadmap and implementation  
10          plan for establishing and sustaining a national artifi-  
11          cial intelligence research resource.

12          (2) CONTENTS.—The roadmap and plan re-  
13          quired by paragraph (1) shall include the following:

14                (A) Goals for establishment and sustain-  
15                ment of a national artificial intelligence re-  
16                search resource and metrics for success.

17                (B) A plan for ownership and administra-  
18                tion of such resource, including—

19                    (i) an appropriate agency or organiza-  
20                    tion responsible for the implementation,  
21                    deployment, and administration of the re-  
22                    source; and

23                    (ii) a governance structure for the re-  
24                    source, including oversight and decision-  
25                    making authorities.

1 (C) A model for governance and oversight  
2 to establish strategic direction, make pro-  
3 grammatic decisions, and manage the allocation  
4 of resources.

5 (D) Capabilities required to create and  
6 maintain a shared computing infrastructure to  
7 facilitate access to computing resources for re-  
8 searchers across the country, including scalabil-  
9 ity, secured access control, resident data engi-  
10 neering and curation expertise, provision of  
11 curated, data sets, compute resources, edu-  
12 cational tools and services, and a user interface  
13 portal.

14 (E) An assessment of, and recommend so-  
15 lutions to, barriers to the dissemination and use  
16 of high-quality government data sets as part of  
17 the national artificial intelligence research re-  
18 source.

19 (F) An assessment of security require-  
20 ments associated with the national artificial in-  
21 telligence research resource and its research  
22 and a recommendation for a framework for the  
23 management of access controls.

24 (G) An assessment of privacy and civil lib-  
25 erties requirements associated with the national

1 artificial intelligence research resource and its  
2 research.

3 (H) A plan for sustaining the national ar-  
4 tificial intelligence research resource, including  
5 through Federal funding and partnerships with  
6 the private sector.

7 (I) The parameters for the establishment  
8 and sustainment of the national artificial intel-  
9 ligence research resource, including roles and  
10 responsibilities for Federal agencies and mile-  
11 stones to establish and sustain the resource.

12 (d) CONSULTATIONS.—In carrying out subsection (c),  
13 the Task Force shall consult with the following:

14 (1) The National Science Foundation.

15 (2) The Office of Science and Technology Pol-  
16 icy.

17 (3) The National Academies of Sciences, Engi-  
18 neering, and Medicine.

19 (4) The National Institute of Standards and  
20 Technology.

21 (5) The Defense Advanced Research Projects  
22 Agency.

23 (6) The Intelligence Advanced Research  
24 Projects Activity.

25 (7) The Department of Energy.

1 (8) The Department of Defense.

2 (9) The General Services Administration.

3 (10) Private industry.

4 (11) Institutions of higher education.

5 (12) Such other persons as the Task Force con-  
6 siders appropriate.

7 (e) STAFF.—Staff of the Task Force shall comprise  
8 detailees with expertise in artificial intelligence, or related  
9 fields from the Office of Science and Technology Policy,  
10 the National Science Foundation, or any other Federal  
11 agency the co-chairpersons consider appropriate, with the  
12 consent of the head of the Federal agency. The co-chair-  
13 persons may hire staff from outside the Federal govern-  
14 ment for the duration of the task force.

15 (f) TASK FORCE REPORTS.—

16 (1) INITIAL REPORT.—Not later than 6 months  
17 after the date on which all of the appointments have  
18 been made under subsection (b)(2)(B), the Task  
19 Force shall submit to Congress and the President an  
20 interim report containing the findings, conclusions,  
21 and recommendations of the Task Force. The report  
22 shall include specific recommendations regarding  
23 steps the Task Force believes necessary for the es-  
24 tablishment and sustainment of a national artificial  
25 intelligence research resource.



1           (2) FINAL REPORT.—Not later than 3 months  
2 after the submittal of the interim report under para-  
3 graph (1), the Task Force shall submit to Congress  
4 and the President a final report containing the find-  
5 ings, conclusions, and recommendations of the Task  
6 Force, including the specific recommendations devel-  
7 oped under subsection (c).

8 (g) TERMINATION.—

9           (1) IN GENERAL.—The Task Force shall termi-  
10 nate 90 days after the date on which it submits the  
11 final report under subsection (f)(2).

12           (2) RECORDS.—Upon termination of the Task  
13 Force, all of its records shall become the records of  
14 the National Archives and Records Administration.

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