

116TH CONGRESS  
2D SESSION

# S. 4700

To establish a Center for Artificial Intelligence of the National Oceanic and Atmospheric Administration, and for other purposes.

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IN THE SENATE OF THE UNITED STATES

SEPTEMBER 24, 2020

Mr. GARDNER 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 a Center for Artificial Intelligence of the National Oceanic and Atmospheric Administration, 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. CENTER FOR ARTIFICIAL INTELLIGENCE OF**  
4 **THE NATIONAL OCEANIC AND ATMOSPHERIC**  
5 **ADMINISTRATION.**

6 (a) IN GENERAL.—The Administrator of the Na-  
7 tional Oceanic and Atmospheric Administration (in this  
8 Act referred to as the “Administrator”) shall establish a  
9 center, to be known as the “Center for Artificial Intel-  
10 ligence” (in this Act referred to as the “Center”).

1 (b) CENTER GOALS.—The goals of the Center shall  
2 be—

3 (1) to coordinate and facilitate scientific and  
4 technological efforts relating to artificial intelligence  
5 across the National Oceanic and Atmospheric Ad-  
6 ministration; and

7 (2) to expand external partnerships and build  
8 workforce proficiency to effectively transition artifi-  
9 cial intelligence research and applications to oper-  
10 ations.

11 (c) COMPREHENSIVE PROGRAM.—Through the Cen-  
12 ter, the Administrator shall implement a comprehensive  
13 program to improve the use of artificial intelligence sys-  
14 tems across the National Oceanic and Atmospheric Ad-  
15 ministration in support of the mission of the Administra-  
16 tion.

17 (d) CENTER PRIORITIES.—The priorities of the Cen-  
18 ter shall be—

19 (1) to coordinate and facilitate artificial intel-  
20 ligence research and innovation, tools, systems, and  
21 capabilities across the National Oceanic and Atmos-  
22 pheric Administration;

23 (2) to establish data standards and develop and  
24 maintain a central repository for agency-wide artifi-  
25 cial intelligence applications;

1           (3) to accelerate the transition of artificial in-  
2           telligence research to applications in support of the  
3           mission of the Administration;

4           (4) to develop and conduct training for the  
5           workforce of the Administration related to artificial  
6           intelligence research and application of artificial in-  
7           telligence for the Administration;

8           (5) to facilitate partnerships between the Ad-  
9           ministration and other public sector organizations,  
10          private sector organizations, and institutions of  
11          higher education for research, personnel exchange,  
12          and workforce development with respect to artificial  
13          intelligence systems; and

14          (6) to make data of the Administration acces-  
15          sible, available, and ready for artificial intelligence  
16          applications.

17          (e) **STAKEHOLDER ENGAGEMENT.**—In carrying out  
18          the activities authorized under this Act, the Administrator  
19          shall—

20                (1) collaborate with a diverse set of stake-  
21                holders including private sector entities and institu-  
22                tions of higher education;

23                (2) leverage the collective body of research on  
24                artificial intelligence and machine learning; and

1           (3) engage with relevant Federal agencies, re-  
2           search communities, and potential users of data and  
3           methods made available through the Center.

4           (f) AUTHORIZATION OF APPROPRIATIONS.—There is  
5           authorized to be appropriated to the Administrator to  
6           carry out this Act \$10,000,000 for fiscal year 2021.

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