

TABLE 87

Federal obligations for basic research to foreign performers, by region, country, or economy, and agency: FY 2020

(Dollars in thousands)

Region, country, or economy	Total	DOC	DOD	DOE	HHS	NASA	NSF	USDA
All areas and organizations	220,594.1	318.3	66,357.4	166.5	128,301.2	4,302.1	18,720.8	2,427.7
Africa	40,472.9	0.0	50.1	0.0	40,392.8	0.0	0.0	30.0
Botswana	858.5	0.0	0.0	0.0	858.5	0.0	0.0	0.0
Cameroon	68.9	0.0	0.0	0.0	68.9	0.0	0.0	0.0
Congo, Democratic Republic of the	68.8	0.0	0.0	0.0	68.8	0.0	0.0	0.0
Ethiopia	323.0	0.0	0.0	0.0	323.0	0.0	0.0	0.0
Gambia, The	54.7	0.0	0.0	0.0	54.7	0.0	0.0	0.0
Ghana	2,583.3	0.0	0.0	0.0	2,583.3	0.0	0.0	0.0
Kenya	1,637.3	0.0	15.0	0.0	1,597.3	0.0	0.0	25.0
Madagascar	68.8	0.0	0.0	0.0	68.8	0.0	0.0	0.0
Malawi	370.0	0.0	0.0	0.0	370.0	0.0	0.0	0.0
Mali	986.4	0.0	0.0	0.0	986.4	0.0	0.0	0.0
Mozambique	885.5	0.0	0.0	0.0	885.5	0.0	0.0	0.0
Nigeria	3,300.6	0.0	0.0	0.0	3,300.6	0.0	0.0	0.0
Rwanda	240.4	0.0	0.0	0.0	240.4	0.0	0.0	0.0
South Africa	24,027.9	0.0	35.1	0.0	23,987.8	0.0	0.0	5.0
Tanzania	565.2	0.0	0.0	0.0	565.2	0.0	0.0	0.0
Uganda	3,295.4	0.0	0.0	0.0	3,295.4	0.0	0.0	0.0
Zambia	768.8	0.0	0.0	0.0	768.8	0.0	0.0	0.0
Zimbabwe	369.1	0.0	0.0	0.0	369.1	0.0	0.0	0.0
Asia	19,067.1	4.7	12,417.4	0.0	6,196.7	2.5	69.0	376.7
Bangladesh	283.5	0.0	58.4	0.0	225.1	0.0	0.0	0.0
Brunei	141.5	0.0	141.5	0.0	0.0	0.0	0.0	0.0
China	585.7	0.0	0.0	0.0	511.1	0.0	0.0	74.6
Georgia	237.7	0.0	0.0	0.0	237.7	0.0	0.0	0.0
Hong Kong	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0
India	1,227.5	0.0	321.0	0.0	906.5	0.0	0.0	0.0
Israel	2,263.5	0.0	1,223.4	0.0	730.7	0.0	69.0	240.4
Japan	2,496.8	0.0	2,350.7	0.0	146.1	0.0	0.0	0.0
Korea, South	5,173.0	0.0	5,173.0	0.0	0.0	0.0	0.0	0.0
Lebanon	230.1	0.0	0.0	0.0	230.1	0.0	0.0	0.0
Malaysia	45.2	0.0	45.2	0.0	0.0	0.0	0.0	0.0
Mongolia	9.8	0.0	0.0	0.0	0.0	0.0	0.0	9.8
Nepal	143.5	0.0	0.0	0.0	141.0	2.5	0.0	0.0
Pakistan	188.7	0.0	0.0	0.0	188.7	0.0	0.0	0.0
Philippines	18.2	0.0	18.2	0.0	0.0	0.0	0.0	0.0
Saudi Arabia	98.9	0.0	98.9	0.0	0.0	0.0	0.0	0.0
Singapore	591.6	0.0	591.6	0.0	0.0	0.0	0.0	0.0
Sri Lanka	197.9	0.0	0.0	0.0	197.9	0.0	0.0	0.0
Taiwan	1,267.5	0.0	609.0	0.0	640.5	0.0	0.0	17.9
Thailand	1,580.8	0.0	85.2	0.0	1,495.6	0.0	0.0	0.0
Turkey	335.3	0.0	335.3	0.0	0.0	0.0	0.0	0.0
Vietnam	614.1	0.0	34.5	0.0	545.7	0.0	0.0	34.0
Asian countries, other	1,331.7	0.0	1,331.7	0.0	0.0	0.0	0.0	0.0
Europe	72,418.1	313.6	29,160.0	166.5	32,266.0	3,182.5	6,641.6	687.8
Austria	2,682.2	0.0	59.5	0.0	109.7	0.0	2,512.9	0.0
Belgium	884.7	0.0	594.8	0.0	289.9	0.0	0.0	0.0
Croatia	207.9	0.0	207.9	0.0	0.0	0.0	0.0	0.0
Czechia	232.8	0.0	232.8	0.0	0.0	0.0	0.0	0.0
Denmark	718.4	0.0	165.8	0.0	552.2	0.4	0.0	0.0

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Region, country, or economy	Total	DOC	DOD	DOE	HHS	NASA	NSF	USDA
Estonia	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
Finland	688.2	0.0	83.1	0.0	401.3	102.0	0.0	101.7
France	11,070.3	46.9	4,755.9	0.0	3,821.6	895.9	1,550.0	0.0
Germany	13,626.7	0.0	1,829.9	0.0	9,381.8	16.3	2,168.0	230.8
Greece	315.7	0.0	315.7	0.0	0.0	0.0	0.0	0.0
Hungary	32.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0
Ireland	299.6	0.0	142.7	0.0	156.9	0.0	0.0	0.0
Italy	3,419.9	0.0	2,486.7	0.0	713.2	0.0	0.0	220.0
Luxembourg	51.3	0.0	51.3	0.0	0.0	0.0	0.0	0.0
Netherlands	5,548.1	120.0	1,033.8	143.2	3,958.6	192.6	100.0	0.0
Norway	2,042.4	0.0	342.1	0.0	0.0	1,700.3	0.0	0.0
Poland	58.2	0.0	58.2	0.0	0.0	0.0	0.0	0.0
Portugal	73.8	0.0	73.8	0.0	0.0	0.0	0.0	0.0
Slovakia	97.0	0.0	97.0	0.0	0.0	0.0	0.0	0.0
Slovenia	302.7	0.0	302.7	0.0	0.0	0.0	0.0	0.0
Spain	1,685.3	0.0	1,243.8	0.0	164.4	230.5	0.0	46.6
Sweden	2,144.8	0.0	541.5	0.0	1,576.4	0.0	27.0	0.0
Switzerland	4,487.7	0.0	1,252.8	0.0	3,234.9	0.0	0.0	0.0
Ukraine	284.8	0.0	57.0	0.0	227.8	0.0	0.0	0.0
United Kingdom	21,438.5	146.7	13,174.2	23.3	7,677.4	44.4	283.7	88.8
North America	56,228.2	0.0	16,146.7	0.0	28,132.1	166.1	11,426.1	357.1
Bahamas, The	44.0	0.0	44.0	0.0	0.0	0.0	0.0	0.0
Bermuda	10,179.1	0.0	0.0	0.0	0.0	0.0	10,179.1	0.0
Canada	40,956.0	0.0	13,578.0	0.0	25,739.2	166.1	1,247.0	225.7
Costa Rica	200.6	0.0	0.0	0.0	133.3	0.0	0.0	67.3
Guatemala	152.2	0.0	0.0	0.0	152.2	0.0	0.0	0.0
Haiti	1,073.5	0.0	0.0	0.0	1,073.5	0.0	0.0	0.0
Jamaica	56.7	0.0	0.0	0.0	56.7	0.0	0.0	0.0
Mexico	2,421.4	0.0	1,936.9	0.0	455.4	0.0	0.0	29.1
Nicaragua	107.4	0.0	0.0	0.0	107.4	0.0	0.0	0.0
Panama	35.1	0.0	0.0	0.0	0.0	0.0	0.0	35.1
Saint Kitts and Nevis	111.6	0.0	0.0	0.0	111.6	0.0	0.0	0.0
Trinidad and Tobago	302.9	0.0	0.0	0.0	302.9	0.0	0.0	0.0
Virgin Islands, British	306.5	0.0	306.5	0.0	0.0	0.0	0.0	0.0
North American countries, other	281.3	0.0	281.3	0.0	0.0	0.0	0.0	0.0
Oceania	19,960.4	0.0	5,937.5	0.0	13,125.1	475.2	169.0	253.5
Australia	17,828.1	0.0	5,793.6	0.0	11,448.4	163.5	169.0	253.5
Fiji	24.7	0.0	24.7	0.0	0.0	0.0	0.0	0.0
New Zealand	2,107.6	0.0	119.3	0.0	1,676.7	311.6	0.0	0.0
South America	12,447.5	0.0	2,645.7	0.0	8,188.4	475.8	415.1	722.5
Argentina	1,332.2	0.0	272.9	0.0	706.2	0.0	0.0	353.1
Brazil	3,434.8	0.0	915.9	0.0	1,974.2	314.8	0.0	229.9
Chile	1,793.5	0.0	1,316.2	0.0	466.4	0.0	0.0	11.0
Colombia	902.2	0.0	83.6	0.0	723.6	0.0	0.0	95.0
Ecuador	64.2	0.0	30.7	0.0	0.0	0.0	0.0	33.5
Peru	4,377.1	0.0	0.0	0.0	4,216.1	161.0	0.0	0.0
Suriname	128.3	0.0	26.3	0.0	102.0	0.0	0.0	0.0
Uruguay	415.1	0.0	0.0	0.0	0.0	0.0	415.1	0.0

DOC = Department of Commerce; DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = Department of Agriculture.

Note(s):

Because of rounding, detail may not add to total. Only those countries that had obligations in variables represented by this table appear in the table. FYs 2020 obligations include additional funding provided by supplemental COVID-19 related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2020–21.