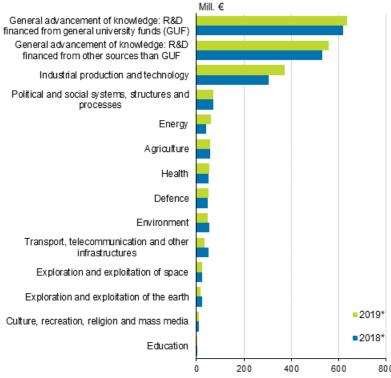


Government R&D funding in the state budget in 2019

Government R&D funding increases in the state budget for 2019

According to Statistics Finland, appropriations for research and development in the budget increase by EUR 107.9 million from the year before. In the state budget 2019, the total appropriations for research and development activities amount to EUR 1,991.1 million. The share of public research funding in gross domestic product is estimated to be 0.83 per cent.

Government R&D funding by objective category in 2018 to 2019



^{*}data may become revised based on supplementary budgets

According to social policy objective category, the biggest increase in R&D funding in euros is directed to industrial production and technology, the funding increases by EUR 68.3 million in the state budget for 2019. For the majority of the objective categories, R&D funding either increases or remains on level with the previous year, but R&D funding directed to, e.g. the objective category land use, transport systems and other infrastructure, decreases by EUR 15.2 million from the budget one year ago. The biggest individual objective categories, to which R&D funding is directed, are universities' research and development and general advancement of science, which mainly consists of the Academy of Finland's research funding.

Among administrative sectors, research and development activities are financed most in the Ministry of Education and Culture and the Ministry of Economic Affairs and Employment. The major provider of funding is the Ministry of Education and Culture, whose R&D funding in the budget for 2019 is EUR 1,206.1 million. The increase from the appropriations in the budget one year before is EUR 41.7 million. The R&D funding of the Ministry of Economic Affairs and Employment also grows, by EUR 72.7 million from the budget one year earlier, a majority of which is an increase in the funding of Business Finland.

Government budget allocations for R&D (GBARD) in 2019

	R&D funding € million	Share of R&D funding, %	Change from 2018, € million	Real change from 2018, %
R&D funding total	1 991,1	100,0	107,9	3,8
Main administrative branches (mini	stries)			
Ministry of Education and Culture	1 206,1	60,6	41,7	1,6
Ministry of Employment and the Economy	563,7	28,3	72,7	12,7
Ministry of Agriculture and Forestry	54,8	2,8	1,2	0,4
Ministry of Social Affairs and Health	68,3	3,4	-1,6	-4,1
Funding organisations	'			
Universities	630,5	31,7	14,9	0,5
Universities of applied sciences	67,6	3,4	1,3	0,0
Business Finland	451,2	22,7	59,9	13,2
Academy of Finland	470,1	23,6	25,9	3,9
Government research institutes	183,5	9,2	-5,6	-4,8
Other R&D funding	167,3	8,4	5,5	1,5
University central hospitals	21,0	1,1	6,0	37,4

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Government R&D funding on the increase

In the state budget for 2019, the total appropriations for research and development activities amount to EUR 1,991.1 million. The appropriations increase by EUR 107.9 million from 2018, which translates to a 5.7 per cent nominal and 3.8 per cent real growth. The proportion of funds allocated to R&D activities of overall government spending exclusive of debt servicing is 3.7 per cent.

The GDP share of public R&D funding is an estimated 0.83 per cent in 2019.

Table 1. Central government R&D funding and its share in government expenditure in 2018 and 2019

	Year EUR milli	on	Muutos	2019	
	2018	2019	Milj. €	Nim. %	Reaal. %
Total R&D funding	1 883,2	1 991,1	107,9	5,7	3,8
Total government expenditure	55 675,0	55 347,0	-328,0	-0,6	-1,7
Government expenditure excluding debt servicing	54 443,0	54 167,0	-276,0	-0,5	-1,6
R&D funding share of government expenditure excluding debt servicing	3,5	3,7			

1. R&D funding by administrative sector

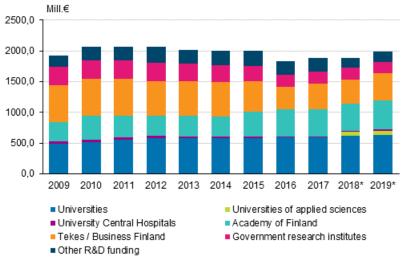
Among administrative sectors, research and development activities are clearly financed most in the Ministry of Education and Culture, whose R&D funding in the budget for 2019 amounts to EUR 1,206.1 million. The research funding of the Ministry of Education and Culture corresponds with over 60 per cent of the entire government R&D funding. The appropriations of the administrative sector increase by EUR 41.7 million, a majority of which is the result of growth in the R&D funding of the Academy of Finland. The R&D funding of the Ministry of Economic Affairs and Employment also grows, by EUR 72.7 million which is mainly caused by the increase in the R&D funding of Business Finland. Among other administrative sectors, the R&D funding of the Ministry of Transport and Communications decreases by EUR 4.5 million and the R&D funding of the Ministry of Defence increases by EUR 2.1 million in the 2019 budget.

The ministries that hand out most R&D funding, the Ministry of Education and Culture and the Ministry of Economic Affairs and Employment, are also the most R&D intensive ministries. In all, 18.8 per cent of the Ministry of Education and Culture's expenditure and 22.3 per cent of the Ministry of Economic Affairs and Employment's expenditure are directed at research and development activities. The average R&D intensity of administrative sectors in 2019 is 3.7. The Ministry of Finance and the Ministry of the Interior have the lowest R&D intensities.

2. R&D funding by organisation

Of the organisations, the funding for Business Finland's R&D activities grows most. Business Finland's investment in R&D funding grows by an estimated EUR 59.9 million in the 2019 budget, and amounts to EUR 451.2 million in total. The R&D funding of the Academy of Finland also increases, by EUR 25.9 million in the 2019 budget. Universities' research expenditure also increases in the 2019 budget; universities finance research and development activities by EUR 630.5 million. The estimate of universities' research and development funding for the current year is affected by the increased share of realised research expenditure in universities' basic funding used in the calculations. Of the organisations, only R&D funding of government research institutes decreases, by EUR 5.6 million from the budget the year before.





^{*}data may become revised based on supplementary budgets.

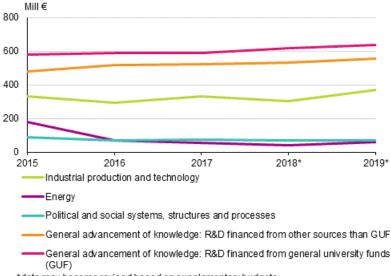
Universities' proportion of the total government R&D funding decreases slightly, but is still by far the highest. Universities' share of total government R&D funding is around 32 per cent in the 2019 budget. Correspondingly, Business Finland's share increases slightly and is around 23 per cent. The share of the Academy of Finland is around 24 per cent, remaining on level with the previous budget. Central government research institutes get around nine per cent and the share of other funding is good eight per cent. The R&D funding of universities of applied sciences is EUR 67.6 million in the 2019 budget, which corresponds with a share of good three per cent of government R&D funding. Among organisations, university central hospitals receive the smallest share of around one per cent.

3. R&D funding by social policy objective

A majority of government R&D funding is directed to universities' research and development activities and general advancement of science, both of which increase in the budget 2019. Research funding directed at promoting industry, which includes, for example, research aimed at developing technology, grows by EUR 68.3 million and totals EUR 371.7 million in the 2019 budget. In other big objective categories, more R&D funding is allocated to energy, the R&D funding of which increases by EUR 18.5 million in the 2019 budget. The funding of the objective category political and social systems, structures and processes remains on level with the previous budget. Of the smaller objective categories, the research funding allocated to, for example, land use, transport systems and other infrastructure decreases from the previous budget by EUR 15.2 million. Investments in environmental protection research have increased in recent years, although R&D funding allocated to environmental protection decreases by EUR 7.2 million in 2019 compared to the previous budget.

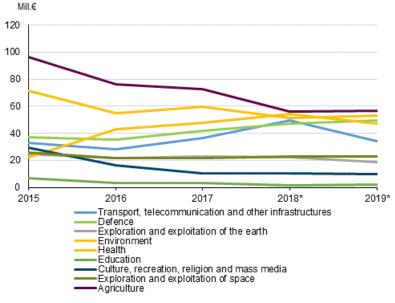
^{*}Prior to 2018, universities of applied sciences are in the category Other R&D funding

Figure 2. Development of government R&D funding in 2015 to 2019 by the biggest social policy objective categories



^{*}data may become revised based on supplementary budgets

Figure 3. Development of government R&D funding in 2015 to 2019 by the smallest social policy objective categories



^{*}data may become revised based on supplementary budgets

Funding of international R&D activities

R&D funding directed at international research organisations or international R&D programmes decreases by around EUR seven million from the budget the previous year to EUR 79.0 million in the 2019 budget. The decrease is in particular caused by the decrease in Business Finland's funding allocated to international parties. EUR 47.0 million are allocated to Europe wide R&D programmes between countries that are arranged, for example, within the framework of Horizon 2020. European international research organisations, such as CERN, the European Organization for Nuclear Research, receive EUR 18.7 million in research funding from the government budget in 2019. Around EUR eight million are directed at bilateral or multilateral R&D programmes between the governments of EU countries. The remaining EUR 5.5 million are directed at other international players for projects that have no ERA dimension.

The aim of the ERA concept is to develop the research of certain technologies in EU Member States from nation state based to Europe wide.

5. Central government research institutes

The main task of government research institutes is to acquire, produce and disseminate data as basis for political decision-making and development of society. In addition to research duties the institutes have a varying number of different expertise, supervision, training, guidance and other official functions, as well as, for example, charged and other service activities. Research institutes produce services horizontally to many different administrative branches and the rest of the public sector, as well as enterprises and third sector operators.

In addition to budget appropriations, the R&D activities of research institutes is financed by external funding consisting of income from charged services and funding from elsewhere than the institute's own budget classes. External funding mainly comes on a competitive basis from several sources and from both domestic public and private sectors and international sources. Its amount is based on the institutes' performance targets and is thus estimated.

Budget funded R&D activities of government research institutes

The total amount of R&D funding for research institutes from their own administrative branches' budgets for 2019 was EUR 183.5 million. Budget funding decreased by around three per cent or EUR 5.6 million from the 2018 budget. Budget funding for VTT, the Technical Research Centre of Finland, increased to EUR 78 million, but research funding for the Natural Resources Institute Finland, the National Institute for Health and Welfare and the Finnish Meteorological Institute, among others, decreased from the previous year.

Total research funding and EU funding of research institutes

Total R&D funding for research institutes (budget funding and external funding) is EUR 457.2 million in 2019, which is EUR 3.3 million more than in 2018. The increase is due to increased external funding, which grows by EUR 8.9 million to EUR 273.7 million. The share of external funding is around 60 per cent of research institutes' funding. VTT, the Technical Research Centre of Finland, received most external funding measured in euros, the external funding share of VTT is close on 70 per cent of total funding. Research institutes estimate that they will receive EUR 58.6 million in research funding from the EU, which is around EUR 5.6 million more than one year ago. VTT's share of EU funding is the largest, EUR 34.9 million, which increased by around EUR three million from the previous year.

Research institutes' R&D funding by administrative sector

The research intensity of administrative sectors can, next to the funding share of actual R&D activities also be assessed by how significant a role research institutes have in the activities of each administrative branch. The social role of the administrative sectors of universities and the Ministry of Education in the field of science and research is qualitatively different and, thus, they are not included in the comparison.

An average of 28 per cent of the R&D funds of the key administrative sectors in terms of research activities is spent in their research institutes. The most research intensive administrative sectors in 2019 are the Ministry of Agriculture and Forestry and the Ministry of Transport and Communications. The Ministry of Economic Affairs and Employment, a majority of whose R&D funding is Business Finland's funding, in turn, has the lowest research intensity.

Appendix tables

Appendix table 1. Development of central government's total expenditure and funding of R&D activities in 2010 to 2019

Year ¹⁾	Central government expenditure (EUR milion)	Central government expenditure excluding debt servicing (EUR million)	R&D funding (EUR million)	Share of R&D funding in central government expenditure, % ²⁾	Central government expenditure, real change, %	Central government expenditure excluding debt, real change, %	R&D funding, real change, %
2010	49 880,0	48 013,0	2 065,3	4,3	6,4	6,6	7,1
2011	50 382,0	48 475,0	2 071,7	4,3	-1,5	-1,5	-2,7
2012	53 446,0	51 582,0	2 064,2	4,0	2,7	3,0	-3,6
2013	54 587,0	52 850,0	2 017,9	3,8	0,1	0,5	-4,2
2014	54 234,0	52 521,0	2 001,6	3,8	-1,9	-1,9	-2,7
2015	53 700,0	52 170,0	2 001,6	3,8	-1,4	-1,1	-1,0
2016	54 419,0	52 898,0	1 836,4	3,5	1,3	1,4	-7,9
2017	55 042,0	53 711,0	1 885,9	3,5	1,6	2,0	2,6
2018	55 675,0	54 443,0	1 883,2	3,5	0,3	0,6	-1,4
2019	55 347,0	54 167,0	1 991,1	3,7	-1,7	-1,6	3,8

^{1) 2010-2017:} State budget + supplementary budgets, 2018-2019: State budget proposal

Appendix table 2. Central government R&D funding and total expenditure by administrative sector in 2018 and 2019

Administrative sector	R&D funding / Central government expenditure (EUR million)												
	R&D funding. EUR Million Adminis			Administrat	ive sector's	expenditure	R&D fundi administra expenditur						
	2018	2019	change	2018	2019	change	2018	2019	change				
the Parliament of Finland	3,6	3,6	0,0	124,7	124,3	-0,4	2,9	2,9	0,0				
Prime Minister's Office	10,7	10,7	0,0	210,3	265,6	55,4	5,1	4,0	-1,1				
Ministry for Foreign Affairs	7,9	6,1	-1,8	1 091,9	1 121,7	29,8	0,7	0,5	-0,2				
Ministry of Justice	1,0	0,8	-0,1	940,7	975,9	35,2	0,1	0,1	0,0				
Ministry of the Interior	0,5	0,5	0,1	1 464,0	1 452,5	-11,5	0,0	0,0	0,0				
Ministry of Defence	46,8	48,9	2,1	2 872,0	3 137,9	265,9	1,6	1,6	-0,1				
Ministry of Finance	5,2	5,1	-0,1	17 194,8	17 496,7	301,8	0,0	0,0	0,0				
Ministry of Education and Culture	1 164,4	1 206,1	41,7	6 584,9	6 404,5	-180,4	17,7	18,8	1,1				
Ministry of Agriculture and Forestry	53,6	54,8	1,2	2 594,5	2 574,3	-20,2	2,1	2,1	0,1				
Ministry of Transport and Communications	18,5	14,0	-4,5	3 362,6	2 858,0	-504,5	0,6	0,5	-0,1				
Ministry of Economic Affairs and Employment	491,0	563,7	72,7	2 841,5	2 532,3	-309,3	17,3	22,3	5,0				
Ministry of Social Affairs and Health	69,9	68,3	-1,6	14 960,7	15 003,1	42,4	0,5	0,5	0,0				
Ministry of the Environment	10,4	8,4	-1,9	181,2	199,3	18,2	5,7	4,2	-1,5				
TOTAL ¹⁾	1 883,2	1 991,1	107,9	54 423,8	54 146,1	-277,6	3,5	3,7	0,2				

¹⁾ Total expenditure of administrative sector, excl. debt servicing and main category President of the Republic

²⁾ Share of R&D funding in Central government expenditure (excluding debt servicing)

Appendix table 3. Central government R&D funding by administrative sector in 2018 and 2019

Administrative sector /	R&D funding				
Organisation	EUR million /2018	EUR million /2019	Change 2018-2019 /EUR million	Change 2018-2019 /Nom. %	Change 2018-2019 /Real. %
Ministry of Education and Culture	1 164,4	1 206,1	41,7	3,6	1,6
Universities	615,6	630,5	14,9	2,4	0,5
Universities of applied sciences	66,3	67,6	1,3	1,9	0,0
Academy of Finland	444,1	470,1	25,9	5,8	3,9
Other	38,4	37,9	-0,4	-1,1	-2,9
Ministry of Economic Affairs and Employment	491,0	563,7	72,7	14,8	12,7
Business Finland	391,3	451,2	59,9	15,3	13,2
Government research institutions	83,6	87,9	4,3	5,1	3,2
Other	16,1	24,5	8,5	52,8	50,0
Ministry of Social Affairs and Health	69,9	68,3	-1,6	-2,2	-4,1
Government research institutions	26,7	22,6	-4,1	-15,4	-17,0
University Central Hospitals	15,0	21,0	6,0	40,0	37,4
Other	28,2	24,7	-3,4	-12,2	-13,9
Ministry of Agriculture and Forestry	53,6	54,8	1,2	2,3	0,4
Government research institutions	52,9	52,9	0,0	0,0	-1,9
Other	0,7	1,9	1,3	190,2	184,8
Ministry of Defence	46,8	48,9	2,1	4,6	2,6
Ministry of Transport and Communications	18,5	14,0	-4,5	-24,2	-25,6
Government research institutions	13,5	9,3	-4,2	-30,8	-32,1
Other	5,0	4,7	-0,3	-6,5	-8,3
Ministry of the Environment	10,4	8,4	-1,9	-18,6	-20,1
Government research institutions	6,0	4,0	-2,0	-33,0	-34,2
Other	4,4	4,4	0,1	1,1	-0,7
Ministry for Foreign Affairs	7,9	6,1	-1,8	-22,3	-23,7
Ministry of Finance	5,2	5,1	-0,1	-2,2	-4,0
Government research institutions	3,0	3,2	0,2	5,3	3,4
Other	2,2	1,9	-0,3	-12,5	-14,2
the Parliament of Finland	3,6	3,6	0,0	1,1	-0,8
Ministry of Justice	1,0	0,8	-0,1	-12,0	-13,7
Ministry of the Interior	0,5	0,5	0,1	13,3	11,2
Prime Minister's Office	10,7	10,7	0,0	0,0	-1,9
TOTAL	1 883,2	1 991,1	107,9	5,7	3,8

Appendix table 4. Government research institutes' budget-funded R&D activities in 2018 and 2019

Government research institution	EUR Million /2018	EUR Million /2019	Change 2018-2019 /EUR Million	Change 2018-2019/Nom. %	Change2018-2019 /Real. %
Finnish Institute of International Affairs	3,4	3,5	0,1	4,1	2,2
VATT Institute for Economic Research	3,0	3,2	0,2	5,3	3,4
Natural Resources Institute Finland	49,0	48,0	-1,0	-2,0	-3,9
Finnish Food Authority (2018: Finnish Food Safety Authority EVIRA)	0,4	0,6	0,2	53,8	51,0
National Land Survey of Finland	3,5	4,3	0,8	22,2	19,9
Finnish Meteorological Institute	13,5	9,3	-4,2	-30,9	-32,2
Geological Survey of Finland	10,6	9,9	-0,7	-6,6	-8,3
VTT Technical Research Centre of Finland Ltd	73,0	78,0	5,0	6,8	4,9
STUK - Radiation and Nuclear Safety Authority	1,7	1,0	-0,7	-40,2	-41,4
National Institute for Health and Welfare	15,9	13,6	-2,3	-14,3	-15,9
Finnish Institute of Occupational Health	9,2	8,0	-1,2	-12,6	-14,2
Finnish Environment Institute	6,0	4,0	-1,9	-32,4	-33,7
TOTAL	189,1	183,5	-5,6	-3,0	-4,8

Appendix table 5. Government research institutes' budget-funded R&D activities and total R&D funding in 2019

Government research institution	Budgetary funding (EUR Million)	External funding, total (EUR Million)	External funding, share %	EU-funding (EUR Million)	R&D funding, total (EUR Million)
Finnish Institute of International Affairs	3,5	0,6	14,9	0,1	4,2
VATT Institute for Economic Research	3,2	2,0	38,2	0,1	5,1
Natural Resources Institute Finland	48,0	34,3	41,7	5,3	82,3
Finnish Food Authority	0,6	0,6	50,0	0,0	1,2
National Land Survey of Finland	4,3	4,8	52,7	0,9	9,1
Finnish Meteorological Institute	9,3	14,2	60,4	5,0	23,6
Geological Survey of Finland	9,9	6,4	39,3	1,4	16,3
VTT Technical Research Centre of Finland Ltd	78,0	166,3	68,1	34,9	244,3
STUK - Radiation and Nuclear Safety Authority	1,0	0,2	13,7	0,1	1,2
National Institute for Health and Welfare	13,6	16,5	54,8	3,6	30,1
Finnish Institute of Occupational Health	8,0	9,0	52,9	2,8	17,0
Finnish Environment Institute	4,0	18,8	82,4	4,3	22,8
TOTAL	183,5	273,7	59,9	58,6	457,2

Appendix table 6. The share of research institutes in the R&D expenditure of certain administrative sectors in $2019^{1)}$

Administrative sector	R&D funding, EUR Million	Goverment research institution	Goverment research institution, share %
Ministry of Finance	5,1	3,2	62,5
Ministry of Agriculture and Forestry	54,8	52,9	96,5
Ministry of Transport and Communications	14,0	9,3	66,6
Ministry of Economic Affairs and Employment	563,7	87,9	15,6
Ministry of Social Affairs and Health	68,3	43,6	63,8
Ministry of the Environment	8,4	4,0	47,7
TOTAL	714,3	200,9	28,1

¹⁾ The research institutes of the Ministry of Social Affairs and Health also include university central hospitals, the Finnish Environment Institute taken into consideration in the administrative sector of the Ministry of the Environment.

Appendix table 7. Central government R&D funding by administrative sector in 2008 to 2019

Administrative	R&D fur	nding at o	current pi	rices, EU	R Million							
sector	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018 ¹⁾	2019 ¹⁾
the Parliament of Finland	3,1	3,3	3,3	3,3	3,4	3,4	3,5	3,6	3,6	3,6	3,6	3,6
Prime Minister's Office	0,3	0,2	0,2	0,2	0,2	0,1	4,8	6,1	10,7	10,7	10,7	10,7
Ministry for Foreign Affairs	10,5	14,3	9,2	13,2	11,8	14,1	14,2	15,2	9,9	7,4	7,9	6,1
Ministry of Justice	2,1	1,9	2,1	2,1	3,2	4,2	3,8	2,0	1,4	1,2	1,0	0,8
Ministry of the Interior	0,7	0,8	0,8	1,4	1,8	1,2	1,0	0,2	0,2	0,3	0,5	0,5
Ministry of Defence	49,8	34,7	56,3	52,8	52,2	37,4	42,0	36,4	34,7	40,9	46,8	48,9
Ministry of Finance	8,0	8,6	7,1	9,1	7,9	7,1	7,2	6,9	5,6	5,1	5,2	5,1
Ministry of Education and Culture	784,6	839,4	941,0	947,3	995,5	984,3	986,3	1 089,9	1 112,3	1 123,3	1 164,4	1 206,1
Ministry of Agriculture and Forestry	99,5	101,7	98,7	96,2	98,1	95,0	93,9	94,9	72,1	71,3	53,6	54,8
Ministry of Transport and Communications	34,5	34,4	32,1	32,4	30,2	29,0	28,0	34,8	24,4	19,5	18,5	14,0
Ministry of Economic Affairs and Employment	677,6	745,4	763,8	749,2	711,1	709,1	686,5	615,0	477,2	516,2	491,0	563,7
Ministry of Social Affairs and Health	125,6	121,4	130,9	143,4	127,6	116,7	115,8	82,4	73,0	75,5	69,9	68,3
Ministry of the Environment	17,6	22,3	20,1	21,3	21,4	16,2	14,5	14,3	11,5	11,1	10,4	8,4
TOTAL	1 813,8	1 928,4	2 065,3	2 071,7	2 064,2	2 017,9	2 001,6	2 001,6	1 836,4	1 885,9	1 883,2	1 991,1

¹⁾ Data may become revised based on supplementary budgets.

Appendix table 8. Central government R&D funding by administrative sector in 2008 to 2019

Organisation	R&D fur	nding at o	current pi	rices, EU	R Million							
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018 ¹⁾	2019 ¹⁾
Universities	452,2	490,0	513,5	555,7	583,2	573,6	578,9	578,0	585,5	587,1	615,6	630,5
Universities of applied sciences ²⁾											66,3	67,6
University Central Hospitals	48,7	40,0	40,0	40,0	36,0	31,0	31,3	21,7	18,0	15,0	15,0	21,0
Academy of Finland	298,0	311,2	385,4	351,5	325,0	334,5	322,7	415,5	439,0	449,5	444,1	470,1
Tekes / Business Finland	531,3	601,0	610,8	598,3	557,7	566,9	560,7	485,7	369,6	409,5	391,3	451,2
Government research institutes	286,1	302,2	297,6	304,0	307,1	291,9	276,4	257,9	196,6	196,5	189,1	183,5
Other R&D funding	197,5	184,0	218,1	222,2	255,1	219,9	231,5	242,8	227,7	228,3	161,8	167,3
TOTAL	1 813,8	1 928,4	2 065,3	2 071,7	2 064,2	2 017,9	2 001,6	2 001,6	1 836,4	1 885,9	1 883,2	1 991,1

¹⁾ Data may become revised based on supplementary budgets.

Appendix table 9. Central government R&D funding by socioeconomic objective in 2015 to 2019

Socioeconomic objective (NABS 2007)	R&D fur	nding at o	current pr	ices, EUI	R Million
	2015	2016	2017	2018 ¹⁾	2019 ¹⁾
Agriculture	96,7	76,3	72,8	56,4	56,4
Industrial production and technology	332,4	295,2	330,1	303,4	371,7
Energy	177,5	69,7	55,7	42,4	60,9
Transport, telecommunication and other infrastructures	33,0	28,4	36,8	49,3	34,1
Defence	37,3	35,5	41,7	47,5	49,7
Exploration and exploitation of the earth	24,6	21,4	22,7	22,5	18,7
Environment	22,1	43,3	47,9	54,5	47,3
Health	71,5	54,7	59,6	51,2	53,2
Education	6,7	3,1	3,1	1,6	1,8
Culture, recreation, religion and mass media	29,1	16,4	10,3	10,2	9,6
Political and social systems, structures and processes	86,9	67,8	72,7	71,8	70,4
General advancement of knowledge: R&D financed from other sources than GUF	480,0	516,3	522,1	529,8	557,8
General advancement of knowledge: R&D financed from General University Funds (GUF)	578,0	586,8	588,8	619,8	636,4
Exploration and exploitation of space	25,8	21,5	21,7	22,8	23,2
TOTAL	2 001,6	1 836,4	1 885,9	1 883,2	1 991,1

¹⁾ Data may become revised based on supplementary budgets.

²⁾ Included in "Other R&D funding" before the year 2018.



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Science, Technology and Information Society 2019

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Source: Government R&D funding in the state budget 2019, Statistics Finland