

Budget Related to Earthquake Research for FY 2012

(unit: million yen)

Organization		FY 2011 Budget	FY 2012 Budget	major points	
Ministry of Internal Affairs and Communications	National Institute of Information and Communications Technology	Subsidy for operation	Subsidy for operation	* Study on grasping technology of the disaster using the airborne high-resolution SAR	- (-)
	National Research Institute of Fire and Disaster	15	35	* Study on seismic safety of hazardous material facilities like an oil storage tank	35 (15)
	Total	15	35	226 % (Compared with FY 2011)	
Ministry of Education, Culture, Sports, Science and Technology	Research and Development Bureau	4,269	22,507	* Observation and monitoring systems for earthquakes and tsunamis	6,421 (1,290)
				* Development of ocean bottom earthquake and tsunami observation networks around Japan trench	12,613 (0)
				* The Headquarters for Earthquake Research Promotion (Administration of the Headquarters)	412 (400)
				(Active fault survey)	522 (585)
				(Long-period ground motion hazard maps)	41 (42)
				(Research on earthquake and tsunami off the Pacific coast of Tohoku)	981 (0)
				(Intensive observation off-shore Nemuro)	0 (4)
				* Strategy project for earthquake disaster prevention research (Project for mitigation of devastating disaster caused by urban fragility)	591 (0)
				(Intensive surveys and study on the concentrated strain zone)	420 (499)
				(Evaluation study of continuous movements associated with the Tokai, Tonankai and Nankai Earthquakes)	435 (498)
			(Technical development of ocean bottom GPS)	72 (69)	
			(Special Project for Earthquake Disaster Mitigation in Metropolitan Tokyo Area)	0 (881)	
	National University Corporation	390	421	* Observation and study for forecasting earthquake and volcanic eruption	421 (390)
	National Research Institute for Earth Science and Disaster Prevention	5,325	9,331	* Maintenance of earthquake and volcanic observation facilities	234 (70)
				* High accuracy observation and development of the forecasting technology of seismic and volcanic activities	2,459 (3,043)
				* Research on social infrastructure utilizing E-Defense	1,752 (1,712)
				* Maintenance and improvement of E-Defense	4,125 (-)
				* Construction of effective social disaster prevention system (National tsunami hazard maps, seismic hazard maps considering subduction-zone great earthquakes, etc.)	761 (500)
	Japan Agency for Marine- Earth Science and Technology	Subsidy for operation	Subsidy for operation	* Development of the basic technology concerning the ocean (Development of the technology for disaster prevention against earthquakes and tsunamis)	
				* Study on earth's interior dynamics	
				* Promotion of ocean drilling program	
	Total	9,984	32,260	323% (Compared with FY 2011)	

Ministry of Economy, Trade and Industry	National Institute of Advanced Industrial Science and Technology	Subsidy for operation	Subsidy for operation	* Research on evaluation of active faults * Research on evaluation of subduction-zone earthquakes * Research on seismic hazard analysis		
	Total	-	-	- % (Compared with FY 2011)		
Ministry of Land, Infrastructure, Transport and Tourism	Geospatial Information Authority of Japan	1,491	1,485	* Expenses for geodetic baseline bench mark surveys	1,108	(1,065)
				* Expenses for crustal movement surveys	327	(349)
				* Expenses for the investigation of geography related to hazard mitigation (Information development for nationwide active fault zones)	18	(12)
				(Maintenance of precision 3D base map)	0	(30)
	Japan Meteorological Agency	1,938	1,675	* Expenses for the research on geography and crustal dynamics	33	(35)
				* Earthquake observation networks, earthquake and tsunami observation system, etc.	1,226	(1,487)
Japan Coast Guard	105	130	* Monitoring systems, etc. for Tokai and other areas	188	(193)	
			* Collection of data from related organization (unification)	245	(245)	
			* Research on real-time understanding of great earthquake along the trench (Meteorological Research Institute)	17	(14)	
Total	3,534	3,291	* Observation and others to reveal the crustal movement leading to the occurrence of the earthquake	1	(2)	
			* Observation and others for forecasting simulation and monitoring of crustal activity	108	(83)	
			* Promotion of marine geodetic measurement	21	(21)	
Total	13,533	35,585	262% (Compared with FY 2011)			

Furthermore, there are additional policies, the results of which are assumed to make a contribution to the promotion of earthquake research. They are as follows.

Organization		FY 2011 Budget	FY 2012 Budget	major points		
Ministry of Education, Culture, Sports, Science and Technology	Research and Development Bureau	36	30	* Subsidies concerning radiation monitoring, etc.	30	(36)
Ministry of Economy, Trade and Industry	National Institute of Advanced Industrial Science and Technology			* Geological survey		
Ministry of Land, Infrastructure, Transport and Tourism	Geospatial Information Authority of Japan	70	61	* Expenses for the research on geography and crustal dynamics (related to the promotion of earthquake research)	61	(70)

Note 1) There may be slight discrepancies in the totals, as tables have been rounded off.

Note 2) Amounts relating to subsidies for operation for the independent administrative institution are not included in the total.

by the Headquarters for Earthquake Research Promotion

First Supplementary Budget Related to Earthquake Research for FY 2011

(unit: million yen)

Organization		FY 2011 First Supplementary Budget	major points	
Ministry of Education, Culture, Sports, Science and Technology	National Research Institute for Earth Science and Disaster Prevention	980	* Expense for the facility restoration	980
	Total	980		
Ministry of Land, Infrastructure, Transport and Tourism	Geospatial Information Authority of Japan	2,953	* Expense to promote the development and practical use of geospatial information	
			(Restoration survey of control points (triangulation point, benchmark))	1,211
			(Restoration of GPS-based control points)	245
			(Development of high accuracy elevation data for reconstruction assistance)	1,397
			* Expense for the maintenance of facilities of Geospatial Information Authority of Japan (Restoration of tidal observatories)	100
	Japan Meteorological Agency	6,596	* Restoration of the tsunami observation networks	757
* Restoration of the earthquake observation networks			5,498	
* Emergency measures for the complement of local government observation stations			240	
* Emergency measures for reliability recovery of the Earthquake Early Warnings			100	
Total	9,549			
Total		10,529		

Note) There may be slight discrepancies in the totals, as tables have been rounded off.

by the Headquarters for Earthquake Research Promotion

Third Supplementary Budget Related to Earthquake Research for FY 2011

(unit: million yen)

Organization		FY 2011 Third Supplementary Budget	major points	
Ministry of Education, Culture, Sports, Science and Technology	Research and Development Bureau	8,906	* Development of ocean bottom earthquake and tsunami observation networks around Japan trench	7,718
			* Survey and observation from northern Sanriku-oki to Boso-oki	659
			* Improvement of the observation technologies for ocean bottom crustal movements	529
	National Research Institute for Earth Science and Disaster Prevention	764	* Restoration of the destroyed earthquake observation facilities in the stricken area	764
	Total	9,670		
Ministry of Economy, Trade and Industry	National Institute of Advanced Industrial Science and Technology	3,094	* Risk assessment of orogenic process by great earthquake and tsunami disaster	1,995
			* Synthetic observation facilities of groundwater, etc. for forecasting Tonankai / Nankai earthquakes	1,099
	Total	3,094		
Ministry of Land, Infrastructure, Transport and Tourism	Geospatial Information Authority of Japan	3,417	* Expense for promotion of restoration and reconstruction of the geospatial information related to the Great East Japan Earthquake on March 11, 2011	
			(Reinforcement of the monitoring of crustal movements by GPS-based control points)	1,920
			(Development of high accuracy elevation data)	1,497
	Japan Meteorological Agency	2,686	* Early understanding of great earthquake magnitude by broad-band strong-motion seismographs	330
			* Reinforcement of tsunami observation facilities	1,410
			* Emergency research for improving accuracy for huge tsunami forecasting technology	239
			* Additional installation of multifunctional earthquake observation systems	476
		* Development of the deep and ocean bottom earthquake analysis systems	109	
		* Reinforcement of power source and communication function for strain observation facilities	122	
	Japan Coast Guard		* Observations for the predictive simulation and the monitoring of crustal activities	360
	Total	6,462		
Total		19,226		

Note) There may be slight discrepancies in the totals, as tables have been rounded off.

by the Headquarters for Earthquake Research Promotion