

◆ KPIs for the fundamental measures set in the Climate Change Adaptation Plan (approved by the Cabinet on October 22, 2021)

Basic strategy	No.	Government policy (Measures assessed by KPIs)	<KPI objectives> Result (output) or effect (interim outcome)	Output/ Outcome	Candidates for KPIs	Target direction	Relevant ministries
1. Incorporate climate change adaptation into every relevant policy							
	1	Through collaboration among relevant ministries and agencies, incorporate climate change adaptation into all relevant measures to implement climate change adaptation measures effectively and efficiently	Mainstream adaptation	Output	Number of initiatives/projects incorporating measures addressing the projected impacts of climate change - Total number, sector-specific number, and ministry-specific number of adaptation initiatives/projects linked to adaptation plans	Increase	All ministries
	2			Output	Percentage of categories assigned high urgency and significance in the Assessment Report on Climate Change Impacts in Japan for which sector-specific KPIs have been established	100%	All ministries
	3			Output	Percentage of subcategories assigned high urgency and significance in the Assessment Report on Climate Change Impacts in Japan for which sector-specific KPIs have been established	Increase	All ministries
	4			Output	Percentage of Japan's basic plans and white papers already approved by the Cabinet that mention actions for climate change adaptation	Increase	All ministries
	5			Output	Amount of the budget allocated to adaptation policies linked to adaptation plans - Budget conducive to adaptation - Budget mainly aimed at adaptation	Increase	All ministries
2. Promote climate change adaptation based on scientific findings							
	6	Promote the observation, monitoring, projection, and assessment of climate change impacts, as well as investigation and research on these activities Enhance findings to quantify the effectiveness of adaptation measures	* Obtain and compile observation and monitoring data * Conduct projection and assessment, and compile results * Comprehensively assess the impacts (compound impacts and cross-sector cascading) * Conduct investigation and research on topics such as the quantification of the effectiveness of adaptation measures	Output	Progress of observation activities according to Japan's Earth observation plan	Increase	Ministry of Education, Culture, Sports, Science and Technology, etc.
	7			Output	Progress of the compilation of observation and monitoring data on climate change impacts	Increase	Ministry of Land, Infrastructure, Transport and Tourism Ministry of Agriculture, Forestry and Fisheries Ministry of the Environment, etc.
	8			Output	Number of initiatives/projects and their budget amount related to climate change projections, impact projections, and assessment studies	Increase	All ministries
	9			Output	Number of research papers resulting from climate change observation and monitoring, projections of climate change and its impacts, and associated assessment studies	Increase	All ministries
	10			Output	Results of projects and research on climate change observation and monitoring, projections of climate change and its impacts, and associated assessments	Increase	All ministries
	11	Promote the development of technologies related to climate change adaptation in areas such as disaster prevention, water resource management, farming support, and biodiversity conservation; and work toward the proactive use of such technologies	Develop technologies	Output	Total number of individual technologies developed in the adaptation field	Increase	All ministries
3. Consolidate the knowledge of research institutions in Japan and develop information infrastructure							
	12	Consolidate research results, data, and information from various research institutions to enhance and strengthen A-PLAT and DIAS In cooperation with NIES, works to consolidate into A-PLAT the relevant information, including climate change data held by local governments, business operators, private organizations, and citizens, as well as information on examples of climate change adaptation efforts, and make it available for sharing	Consolidate results from research, and practices and data achieved by various actors in the adaptation field into A-PLAT and DIAS to enhance and strengthen these systems Encourage various actors to access A-PLAT and DIAS to use data available on them	Output	Number of pieces of information provided by A-PLAT	Increase	Ministry of the Environment
	13			Output	Number of data items concerning climate change impacts and adaptation available on DIAS	Increase	Ministry of Education, Culture, Sports, Science and Technology
	14			Output	Number of common base technologies (e.g., applications) provided by DIAS	Increase	Ministry of Education, Culture, Sports, Science and Technology
	15			Outcome	Number of page views of A-PLAT	Increase	Ministry of the Environment

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4. Promote climate change adaptation according to local background								
	16	Help local governments develop and implement their local climate change adaptation plans by securing a system to collect, organize, analyze, and provide information related to climate change, which will work with the Data Integration and Analysis System (DIAS), as well as by preparing a manual for local governments on smooth establishment of a climate change adaptation plan and by providing relevant training	Develop tools that help formulate local climate change adaptation plans	Output	Number of common base technologies (e.g., applications) provided by DIAS	Increase	Ministry of Education, Culture, Sports, Science and Technology	
	17			Output	A-PLAT-based implementation of seminars and other events to support formulation and implementation of regional adaptation plans	Maintain current level	Ministry of the Environment	
	18		*Secure a system for local governments to handle information on climate change and associated issues *Establish and implement local climate change adaptation plans		Outcome	Number of prefectures and ordinance-designated cities that have established their Local Climate Change Adaptation Centers in accordance with Article 13 of the Climate Change Adaptation Act	100%	Ministry of the Environment
	19				Outcome	Number of prefectures and municipalities that have established their Local Climate Change Adaptation Centers in accordance with Article 13 of the Climate Change Adaptation Act	Increase	Ministry of the Environment
	20				Outcome	Number of prefectures and ordinance-designated cities that have established their local climate change adaptation plans in accordance with Article 12 of the Climate Change Adaptation Act	100%	Ministry of the Environment
	21				Outcome	Number of prefectures and municipalities that have established their local climate change adaptation plans in accordance with Article 12 of the Climate Change Adaptation Act	Increase	Ministry of the Environment
	22				Outcome	Percentage of administrative plans of prefectures and ordinance-designated cities (e.g., comprehensive plans, comprehensive strategies for overcoming population decline and vitalizing local economy, local disaster management plans) that incorporate the perspective of climate change adaptation into disaster prevention measures	100%	Ministry of the Environment
5. Deepen public understanding and promote climate change adaptation corresponding to business activities								
	23	Promote public relations, awareness raising, and other activities to deepen the public's awareness and understanding of the importance of climate change adaptation	*Conduct public relations *Conduct awareness raising	Output	Number of awareness events listed on A-PLAT	Increase	Ministry of the Environment	
	24			Outcome	Number of page views of A-PLAT	Increase	Ministry of the Environment	
	25	Ensure that business operators can adequately adapt to climate change by providing guidance for the promotion of voluntary climate change adaptation among business operators. Search for excellent practices (e.g., technologies, products, and services) related to climate change adaptation by business operators and proactively share such information in Japan and abroad to disseminate them	Encourage voluntary adaptation by business operators by providing guidance and gathering and sharing excellent practices	Output	Number of private-sector adaptation practices (for climate risk management, adaptation business, etc.) listed on A-PLAT and the total number of good adaptation practices applied, etc.	Increase	Ministry of the Environment	
	26			Output	Number of pieces of information provided by the Adaptation for Private Sector site of A-PLAT	Increase	Ministry of the Environment	
	27			Outcome	Number of page views of the Adaptation for Private Sector site of A-PLAT	Increase	Ministry of the Environment	
6. Contribute to enhancing the adaptation capacities of developing countries								
	28	Help Japanese business operators globally expand their adaptation business based on AP-PLAT and DIAS	Build AP-PLAT as an international platform for information sharing	Output	Number of pieces of information provided by AP-PLAT	Increase	Ministry of the Environment	
	29	Promote technical cooperation in developing regions in the observation, monitoring, projection, and assessment of climate change and its impacts, as well as in climate change adaptation in the fields of disaster prevention, agriculture, etc., through various international cooperation frameworks	*Promote support for developing regions on observation, monitoring, projection, and assessment, as well as technical cooperation for them, through international cooperation frameworks	Output	Number of adaptation projects throughout the national government	Increase	All ministries	