

U N	G o a l	13. Take urgent action to combat climate change and its impacts
	T a r g e t	13.2 Integrate climate change measures into national policies, strategies and planning
	I n d i c a t o r	13.2.2 Total greenhouse gas emissions per year

I. National indicator

<Type 1>

Indicator	Greenhouse gas emission trends, by type
Definition	Total direct greenhouse gas (GHG) emissions measured as CO ₂ equivalent. GHG include carbon dioxide(CO ₂), methane(CH ₄), nitrous oxide(N ₂ O), perfluorocarbons(PFCs), hydrofluorocarbons(HFCs), and sulfur hexafluoride(SF ₆), and the emissions are estimated in CO ₂ eq by applying their global warming potential(GWP).
Calculation method	GHG emissions (tCO ₂ eq) = \sum [emission source-specific usage × net caloric value × unit emission coefficient × GWP] * Unit emission coefficient: Fuel-specific basic emission coefficients in the IPCC country inventory guidelines. * GWP: CO ₂ =1, CH ₄ =21, N ₂ O=310
Unit	M-tCO ₂ eq

II. National indicator's source

Data sources	<ul style="list-style-type: none"> ■ Source: <i>National Greenhouse Gas Inventory</i> ■ Collection method: Collected by the Ministry of Environment Greenhouse Gas Information Center
Calendar	<ul style="list-style-type: none"> ■ Frequency: Annually ■ Data release: December in the year after the following year
Organizations	GHG Management Team(Tel. 02-6943-1345), Ministry of Environment Greenhouse Gas Information Center
Related International Agency	OECD

III. Comparison with UN SDG indicator

① Indicator		② Definition		③ Data value	
Same	Different	Same	Different	Same	Different
Note	All values in the local data were rounded off, hence potential deviations between sums of emissions and absorption source-specific data and aggregates. Discrepancies from the previous year's statistics are attributed to recalculations reflecting improvements in activity data and changes in calculation methodologies. There was slight difference between the global data(693.942) and the local data(693.535) in 2016, but the discrepancy is negligible				
Global indicator link	<ul style="list-style-type: none"> ■ Metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-13-02-02.pdf ■ Data: https://unstats.un.org/sdgs/indicators/database/ 				