

CES Set of Core Climate Change-related Indicators and Statistics Using the System of Environmental-Economic Accounting (Version 2.0)

On this wiki page you find the white cover versions (before final editing) of

- [Conference of European Statisticians' \(CES\) Set of Core Climate Change-related Indicators and Statistics Using the System of Environmental-Economic Accounting \(Version 2.0\)](#)
- [Implementation Guidelines for the CES Set of Core Climate Change-related Indicators and Statistics](#)
- [Metadata for each of the core indicators \(click on indicator names in table below\)](#)

Area	Sub-area	ID	Indicator	Tier	Indicator conceptually identical with indicator from		Can be produced from SEEA	Inputs from FDES-themes***
					SDGs*	SF DRR**		
Drivers	National total	1a	Total energy use by the national economy	II			Energy	2.2.2
		1b	Total primary energy supply (TPES)	I				2.2.2
		2a	Share of fossil fuels in total energy use by the national economy	III			Energy	2.2.2
		2b	Share of fossil fuels in total primary energy supply (TPES)	I				2.2.2
		3	Losses of land covered by (semi-) natural vegetation	III			Land	1.2.1
		4	Total support for fossil fuels in relation to GDP	III			Transactions	
	Production	5a	Total energy intensity of production activities of the national economy	II			Energy	2.2.2
		6a	Total CO2 intensity of energy used in production activities of the national economy	II			Energy, air emissions	2.2.2 3.1.1
Emissions	National total	8a	Energy use by resident households per capita	I			Energy	2.2.2
		9a	Total greenhouse gas emissions from the national economy	I			Air emissions	3.1.1
		9b	Total greenhouse gas emissions from the national territory	I				3.1.1
		10a	CO2 emissions from fuel combustion attributable to the national economy	III			Air emissions	3.1.1
		10b	CO2 emissions from fuel combustion within the national territory	I				3.1.1
		11	Greenhouse gas emissions from land use change (LULUCF)	I			Air emissions, carbon accounting	3.1.1
	Production	12	Total greenhouse gas emissions from production activities	I			Air emissions	3.1.1
		13	Greenhouse gas emission intensity of production activities	I			Air emissions	3.1.1
	Consumption	14	Direct greenhouse gas emissions from households	I			Air emissions	3.1.1
		15	Carbon footprint	II			Air emissions	3.1.1
Impacts	National total	24	Direct economic loss attributed to hydro-meteorological disasters in relation to GDP	II	11.5.2 (tier II)	C-1		4.1.2
	Physical Conditions	16	Mean temperature anomaly (compared to climate normal 1961 - 1990)	I				1.1.1
		17	Percentage of land area suffering from unusually wet or dry conditions (Standard Precipitation Index)	I				1.1.1
		23	Occurrence of extremes of temperatures and precipitation	I				4.1.1
	Water resources	18	Level of water stress: freshwater withdrawal as a proportion of available freshwater resources	I	6.4.2 (tier I)		Water	2.6.1
	Land, Land Cover, Ecosystems and Biodiversity		Placeholder for indicator on CC impact on biodiversity					
		20	Carbon stock in soil	III			Carbon accounting	
		21	Proportion of land that is degraded over total land area	I	15.3.1 (tier I)		Land and SEEA-EEA	
	Human settlements and human health	22	Number of deaths and missing persons attributed to hydro-meteorological disasters, per 100,000 population	II	1.5.1, 11.5.1, 13.1.1 (tier II)	A-1		4.1.1
		25	Number of people whose destroyed dwellings were attributed to hydro-meteorological disasters	II		B-4		4.1.2
		26	Incidence of climate-related vector-borne diseases	II				5.2.3
		27	Excess mortality related to heat	III				
	Agriculture, forestry and fishery	28	Direct agricultural loss attributed to hydro-meteorological disasters	II		C-2	Timber resources and aquatic resources	4.1.2

Mitigation	Energy resources	2 9a	Renewable energy share in total energy use by the national economy	III			Energy	2.2.2
		2 9b	Renewable energy share in the total final energy consumption within the national territory	I	7.2.1 (tier I)			2.2.2
	Expenditures	30	Share of climate change mitigation expenditure in relation to GDP	III			Transactions	6.1.1
	Environmental governance and regulation	31	Share of energy and transport related taxes in total taxes and social contributions	I			Transactions	6.2.2
		32	Total climate change related subsidies and similar transfers in relation to GDP	III			Transactions	6.2.2
		33	Average trading carbon price	I				
		34	Amounts provided and mobilized in United States dollars per year in relation to the continued existing collective mobilization goal of the \$100 billion commitment through to 2025	II	13a.1 (tier II)			
Adaptation	Agriculture, forestry and fishery	81	Net emissions/removals of carbon dioxide by forest land	I			Carbon accounting	3.1.1
	Expenditures	35	Share of government adaptation expenditure in relation to GDP	III			Transactions	6.1.1
	Water resources	36	Change in water use efficiency over time	I	6.4.1 (tier I)		Water	2.6.1 2.6.2
		82	Share of green urban areas in the total area of cities	III			SEEA-EEA	1.2.1
	Agriculture, forestry and fishery		Placeholder for indicator on CC adaptation by forests					
		39	Proportion of agricultural area under productive and sustainable agriculture	II	2.4.1 (tier II)		Land	2.3.1

* SDGs – Sustainable Development Goals, [tier level as of 17 July 2020](#)

** SF DRR = Sendai Framework for Disaster Risk Reduction 2015 – 2030

*** See coding of themes in [FDES](#) (United Nations, 2013)