

ITALIAN DATA FOR UN-SDGs

Sustainable Development Goals of the 2030 Agenda



Goal 13

Take urgent action to combat
climate change and its impacts

Goal 13 - Information

Goal 13 - Take urgent action to combat climate change and its impacts / Adottare misure urgenti per combattere il cambiamento climatico e le sue conseguenze

Target	Global indicator	Name of indicator -English -Italian	Source	Survey name	BES (yes/no)	Indicator description (English)	Indicator description (Italian)	Taxonomy
13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries	13.1.1 Number of countries with national and local disaster risk reduction strategies (a)	- Greenhouse gas emissions (GHG)() - Emissioni di gas serra ()	Istat	Conti di tipo NAMEA (matrice di conti economici integrata con conti ambientali) (PSN:IST-02004)	no	Greenhouse gas emissions (GHG), bridging between emission inventory totals and air emission accounts totals. GHG emissions include carbon dioxide (CO ₂), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluorides (SF ₆), methane (CH ₄) nitrous oxide (N ₂ O); they are expressed in "tonnes of CO ₂ equivalents" with weights reflecting each pollutant's "global warming potential" (GWP) in relation to the GWP of CO ₂ : 1 for CO ₂ , 298 for N ₂ O, 25 for CH ₄ , various weights for HFCs, PFCs and SF ₆ s. NF ₃ emissions are not included. There are two possible ways of accounting for emissions from international transport: either by reporting the emissions calculated within the framework of international conventions on air emissions (United Nations Framework Convention on Climate Change - Unfccc and the Convention on Long-range Transboundary Air Pollution - Ctrap), or with reference to resident economic activities, as in air emission accounts, due to the adoption in the later of the National Accounts principles and standards. The difference between the two totals equals the balance between the emissions generated in the Rest of the World by units that are resident in Italy and the emissions generated on the national territory by units that are not resident in Italy; the overall balance is obtained as the sum of road transport, air transport and maritime transport balances.	Emissioni di gas serra, raccordo tra i totali degli inventari nazionali e dei conti delle emissioni atmosferiche. Le emissioni di gas serra comprendono: anidride carbonica (CO ₂), idrofluorocarburi (HFC), perfluorocarburi (PFC), esalfuoruri di zolfo (SF ₆), metano (CH ₄) e protossido di azoto (N ₂ O); sono espresse in "tonnellate di CO ₂ equivalenti" con pesi che riflettono il potenziale di riscaldamento in rapporto all'anidride carbonica: 1 per CO ₂ , 298 per N ₂ O, 25 per CH ₄ , pesi variabili in relazione agli specifici gas per HFC, PFC e SF ₆ . Le emissioni di NF ₃ non sono comprese. Esistono due modi diversi di contabilizzare le emissioni totali: con riferimento al territorio nazionale, come avviene per i dati delle principali convenzioni internazionali sulle emissioni atmosferiche (United Nations Convention on Climate Change - Unfccc e Convention on long range transboundary air pollution - Ctrap) e con riferimento alle unità residenti, come si verifica per i dati dei conti delle emissioni atmosferiche, coerentemente con i principi e gli standard che sono alla base dei conti economici nazionali. La differenza tra i due totali è data dal saldo delle emissioni delle unità residenti che operano all'estero e di quelle delle unità non residenti che operano sul territorio nazionale; il saldo complessivo risulta dalla somma dei saldi relativi alle attività di trasporto su strada, aereo e marittimo.	Indicatore di contesto /Context indicator
13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries	13.1.1 Number of countries with national and local disaster risk reduction strategies	- Annual average precipitation - Precipitazione media annua	Istat	Rilevazione dati meteoclimatici ed idrologici (PSN:IST-02190)	no	Annual average volume of precipitation	Volume annuo di precipitazione media	Indicatore di contesto /Context indicator
13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries	13.1.1 Number of countries with national and local disaster risk reduction strategies	- Average daily maximum temperatures - Temperatura media massima giornaliera	Istat/Crea	Rilevazione dati meteoclimatici ed idrologici (PSN:IST-02190)	no	Average daily maximum air temperatures	Temperatura media dell'aria massima giornaliera	Indicatore di contesto /Context indicator
13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries	13.1.1 Number of countries with national and local disaster risk reduction strategies	- Average daily minimum temperatures - Temperatura media minima giornaliera	Istat/Crea	Rilevazione dati meteoclimatici ed idrologici (PSN:IST-02190)	no	Average daily minimum air temperatures	Temperatura media dell'aria minima giornaliera	Indicatore di contesto /Context indicator
13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries	13.1.2 Number of deaths, missing persons and persons affected by disaster per 100,000 people							
13.2 Integrate climate change measures into national policies, strategies and planning	13.2.1 Number of countries that have communicated the establishment or operationalization of an integrated policy/strategy/plan which increases their ability to adapt to the adverse impacts of climate change, and foster climate resilience and low greenhouse gas emissions development in a manner that does not threaten food production (including a national adaptation plan, nationally determined contribution, national communication, biennial update report or other)							
13.3 Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning	13.3.1 Number of countries that have integrated mitigation, adaptation, impact reduction and early warning into primary, secondary and tertiary curricula							
13.3 Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning	13.3.2 Number of countries that have communicated the strengthening of institutional, systemic and individual capacity-building to implement adaptation, mitigation and technology transfer, and development actions							
13.a Implement the commitment undertaken by developed-country parties to the United Nations Framework Convention on Climate Change to a goal of mobilizing jointly \$100 billion annually by 2020 from all sources to address the needs of developing countries in the context of meaningful mitigation actions and transparency on implementation and fully operationalize the Green Climate Fund through its capitalization as soon as possible	13.a.1 Mobilized amount of United States dollars per year starting in 2020 accountable towards the \$100 billion commitment							
13.b Promote mechanisms for raising capacity for effective climate change-related planning and management in least developed countries and small island developing States, including focusing on women, youth and local and marginalized communities	13.b.1 Number of least developed countries and small island developing States that are receiving specialized support, and amount of support, including finance, technology and capacity-building, for mechanisms for raising capacities for effective climate change-related planning and management, including focusing on women, youth and local and marginalized communities							

Goal 13 - Data

Goal 13 - Take urgent action to combat climate change and its impacts / Adottare misure urgenti per combattere il cambiamento climatico e le sue conseguenze

Global indicator -English -Italian	Source	Survey Name	Name of indicator -English -Italian	Units	Time Series																								
					1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
13.1.1 - Number of countries with national and local disaster risk reduction strategies - Numero di paesi con le strategie nazionali e locali di riduzione del rischio di catastrofi	Istat	Conti di tipo NAMEA (manica di conti economici integrata con conti ambientali) (PSN/IST-02004)	Greenhouse gas emissions (GHG) (*) Emissioni di gas serra (*) (UNFCCC) - Gas serra totale secondo l'inventario nazionale delle emissioni (UNFCCC) - Balloons between the emissions generated in the Rest of the World by units that are resident in Italy and the emissions generated on the national territory by units that are not resident in Italy - Saldo tra le emissioni dovute ad attività di trasporto all'estero e il Resto del Mondo dai residenti (+) e in Italia dai non residenti (-) - Greenhouse gas emissions (GHG) accounts totals - Gas serra totale secondo i conti delle emissioni atmosferiche	ton	521.920.601	523.489.809	519.982.779	513.611.618	505.566.539	533.449.768	526.825.536	532.739.930	543.800.430	549.495.230	554.479.290	561.600.328	561.887.952	578.126.368	580.725.580	578.904.440	569.054.805	561.137.586	549.452.729	498.894.655	508.424.098	494.789.585	468.717.916	438.887.370	418.587.215
				ton	7.374.098	7.850.247	8.605.482	7.975.575	8.549.333	9.978.003	8.032.834	7.840.374	9.661.135	10.074.783	11.689.162	13.201.722	13.762.681	15.503.370	16.237.755	17.297.633	18.029.515	16.381.028	19.371.462	12.297.369	13.194.166	11.375.540	9.601.727	9.482.490	7.491.477
				ton	529.294.698	531.340.056	528.588.269	521.587.193	514.115.872	543.427.772	534.858.372	540.599.305	553.461.555	559.570.013	566.168.452	574.802.049	575.650.634	593.630.338	596.963.335	596.202.074	587.084.320	577.518.614	568.824.191	511.192.024	521.618.264	506.165.125	478.319.643	448.369.860	426.078.592

(*) Context indicator / Indicatore di contesto

Global indicator -English -Italian	Source	Survey Name	Name of indicator -English -Italian	Units	Time Series												
					2001	2002	2003	2004	2005	2006	2007	2008	2009	2010			
13.1.1 - Number of countries with national and local disaster risk reduction strategies - Numero di paesi con le strategie nazionali e locali di riduzione del rischio di catastrofi	Istat	Rilevazione dati meteorologici ed idrologici (PSN/IST-02190)	Annual average precipitation (*) Avere media annuale (*) Media annuale (*)	Mio m3	190.839	283.729	218.186	274.199	250.316	201.418	194.680	262.290	272.026	306.083			
				Mio m3	190.839	283.729	218.186	274.199	250.316	201.418	194.680	262.290	272.026	306.083			
				Territorio													
Piemonte					17.639	31.451	17.885	21.395	18.724	16.312	15.616	24.856	22.583	27.189			
Valle d'Aosta / Vallée d'Aoste					2.268	4.044	2.295	2.751	2.408	2.097	2.008	3.195	2.902	3.496			
Liguria					3.833	6.593	4.126	4.424	3.760	3.189	5.273	5.200	5.527				
Lombardia					16.553	29.375	16.889	20.074	17.572	15.255	14.624	23.264	21.093	25.426			
Trentino Alto Adige					10.344	15.016	9.502	12.960	10.814	8.704	9.349	14.686	11.439	12.635			
Provincia Autonoma Bolzano / Bozen					5.670	7.929	5.197	7.171	5.583	4.718	5.195	8.147	6.139	6.628			
Provincia Autonoma Trento					4.674	7.088	4.305	5.798	4.931	3.986	4.154	6.538	5.300	6.007			
Veneto					15.981	22.674	13.646	19.885	16.460	12.700	13.247	20.383	17.189	19.847			
Friuli-Venezia Giulia					8.548	11.384	7.448	10.783	8.322	6.536	7.297	10.786	9.271	10.477			
Emilia-Romagna					15.794	25.241	15.195	18.688	17.427	13.879	13.658	20.104	18.949	23.797			
Toscana					16.398	22.056	16.923	21.868	19.880	15.819	14.021	22.324	21.119	27.161			
Umbria					5.659	7.528	5.978	9.162	8.501	5.783	5.064	8.133	7.303	9.629			
Marche					6.341	8.365	6.362	9.402	9.488	6.876	6.126	8.664	8.207	10.371			
Lazio					11.272	15.130	12.302	18.863	18.178	11.952	10.532	17.214	16.159	20.241			
Abruzzo					6.917	9.391	8.363	11.903	11.360	7.488	7.296	10.574	10.526	11.835			
Molise					2.462	3.433	3.347	4.003	3.912	2.932	2.605	3.709	4.300	4.605			
Campania					8.847	10.995	10.310	13.234	14.072	10.765	9.760	11.781	14.328	15.667			
Puglia					8.628	14.839	13.498	15.390	13.624	12.232	11.773	11.842	16.299	16.028			
Basilicata					5.183	7.782	7.110	7.963	7.722	7.294	6.955	6.340	8.717	9.462			
Calabria					9.293	12.351	11.903	16.659	16.627	14.626	12.633	10.964	18.291	16.484			
Sicilia					9.858	13.945	20.496	18.887	17.816	15.707	16.525	13.459	22.170	18.330			
Sardegna					9.024	12.128	14.237	16.106	13.650	10.983	12.397	14.742	15.982	18.675			

(*) Context indicator / Indicatore di contesto

Global indicator -English -Italian	Source	Survey Name	Name of indicator -English -Italian	Units	Time Series					
					2013	2014	2015			
13.1.1 - Number of countries with national and local disaster risk reduction strategies - Numero di paesi con le strategie nazionali e locali di riduzione del rischio di catastrofi	Istat/Crea	Rilevazione dati meteorologici ed idrologici (PSN/IST-02190)	Average daily maximum temperatures (*) - Temperatura media massima giornaliera (*) Media giornaliera (*)	Celsius degrees						
				Celsius degrees	17,1	17,5	17,9			
				Territorio						
Piemonte					13,8	14,4	14,7			
Valle d'Aosta / Vallée d'Aoste					6,1	6,5	7,2			
Liguria					14,6	15,5	15,9			
Lombardia					9,7	10,4	11,3			
Trentino Alto Adige					8,7	9,5	10,4			
Provincia Autonoma Bolzano / Bozen					10,9	11,6	12,5			
Provincia Autonoma Trento					16,1	16,8	17,1			
Veneto					15,3	16,1	16,5			
Friuli-Venezia Giulia					16,0	16,8	17,3			
Emilia-Romagna					16,4	17,4	17,6			
Toscana					17,6	18,3	18,8			
Umbria					17,9	18,0	18,8			
Marche					18,4	18,5	19,1			
Lazio					19,1	19,0	19,7			
Abruzzo					16,6	16,3	17,3			
Molise					18,3	18,6	18,8			
Campania					19,1	19,3	19,4			
Puglia					20,5	20,6	20,9			
Basilicata					18,0	18,2	18,8			
Calabria					18,9	18,9	19,2			
Sicilia					20,8	21,0	20,6			
Sardegna					20,1	20,7	20,7			

(*) Context indicator / Indicatore di contesto

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Global indicator -English -Italian	Source	Survey Name	Name of indicator -English -Italian	Units	Time Series		
					2013	2014	2015
13.1.1 - Number of countries with national and local disaster risk reduction strategies - Numero di paesi con le strategie nazionali e locali di riduzione del rischio di catastrofi	IstatCrea	Rilevazione dell'meteorologico idrologico (PSI-IST-0219)	ed - Average daily minimum temperatures ("") temperatura media minima giornaliera ("")	Celsius degrees			
			Italia	Celsius degrees	8,8	9,6	9,4
			Territorio				
			Piemonte	Celsius degrees	6,6	7,4	7,2
			Vals d'Aosta / Vallée d'Aoste	Celsius degrees	-1,3	-0,7	-0,7
			Liguria	Celsius degrees	7,2	8,2	7,7
			Lombardia	Celsius degrees	1,4	2,3	2,1
			Trentino Alto Adige	Celsius degrees	0,4	1,4	1,2
			Provincia Autonoma Bolzano / Bozen	Celsius degrees	2,6	3,5	3,2
			Provincia Autonoma Trento	Celsius degrees	7,9	8,8	8,2
			Veneto	Celsius degrees	7,0	7,9	7,3
			Friuli-Venezia Giulia	Celsius degrees	9,0	9,9	9,8
			Emilia-Romagna	Celsius degrees	8,9	10,1	9,6
			Toscana	Celsius degrees	10,1	11,0	10,8
			Umbria	Celsius degrees	8,9	9,9	9,6
			Marche	Celsius degrees	9,1	10,1	9,8
			Lazio	Celsius degrees	9,3	10,1	9,9
			Abruzzo	Celsius degrees	6,4	7,2	7,5
			Molise	Celsius degrees	8,8	9,7	9,7
			Campania	Celsius degrees	10,2	10,8	11,0
			Puglia	Celsius degrees	11,7	12,1	11,8
			Basilicata	Celsius degrees	10,0	10,5	10,8
			Calabria	Celsius degrees	11,1	11,3	11,5
			Sicilia	Celsius degrees	12,7	13,0	13,0
			Sardegna	Celsius degrees	10,8	11,3	11,4

(") Context indicator / Indicatore di contesto