

◎年度ごとの温室効果ガス排出量の推移

			1990 (前計画基準年)	2007	2008	2009	2010	2011	2012	2013(基準年)	2014	2015	2016	2017	2018	2019	2020	2021(確定値)	1990年度比較		2013年度比較		前年度比較	
C O 2	産業部門	t-CO2	1,314,660	855,495	772,928	743,143	694,043	751,226	795,318	753,664	660,110	762,906	719,176	718,354	659,520	531,440	487,871	475,933	-838,727	-63.8%	-277,731	-36.9%	-11,938	-2.4%
	(製造業)	t-CO2	(1,138,724)	(769,539)	(700,236)	(671,348)	(629,988)	(676,264)	(718,628)	(688,603)	(599,428)	(702,503)	(660,166)	(661,334)	(609,314)	(486,797)	(437,859)	(431,333)	-707,391	-62.1%	-257,270	-37.4%	-6,526	-1.5%
	(建設業・鉱業)	t-CO2	(80,830)	(30,371)	(26,567)	(21,380)	(22,095)	(30,931)	(34,632)	(28,456)	(27,927)	(29,029)	(27,619)	(28,656)	(27,018)	(25,379)	(26,806)	(26,228)	-54,602	-67.6%	-2,228	-7.8%	-578	-2.2%
	(農林水産業)	t-CO2	(95,106)	(55,585)	(46,125)	(50,415)	(41,960)	(44,031)	(42,058)	(36,605)	(32,755)	(31,374)	(31,391)	(28,364)	(23,188)	(19,264)	(23,206)	(18,372)	-76,734	-80.7%	-18,233	-49.8%	-4,834	-20.8%
	業務その他部門	t-CO2	348,163	394,526	461,342	395,770	366,388	450,914	551,343	535,254	518,438	492,055	400,513	398,246	405,579	381,072	350,838	371,066	22,903	6.6%	-164,188	-30.7%	20,228	5.8%
	(公共・サービス)	t-CO2	(324,180)	(376,066)	(415,253)	(325,840)	(289,051)	(370,836)	(461,144)	(448,222)	(430,380)	(409,222)	(372,702)	(371,275)	(373,346)	(354,909)	(325,287)	(350,116)	25,936	8.0%	-98,106	-21.9%	24,829	7.6%
	(水道・廃棄物)	t-CO2	(23,983)	(18,460)	(46,089)	(69,930)	(77,337)	(80,078)	(90,199)	(87,032)	(88,058)	(82,833)	(27,811)	(26,971)	(32,233)	(26,163)	(25,551)	(20,950)	-3,033	-12.6%	-66,082	-75.9%	-4,601	-18.0%
	家庭部門	t-CO2	575,672	683,552	681,279	597,073	575,487	675,782	757,650	703,507	739,022	685,430	715,449	705,076	631,111	656,266	607,522	581,901	6,229	1.1%	-121,606	-17.3%	-25,621	-4.2%
	運輸部門	t-CO2	643,124	728,439	702,776	724,812	698,004	707,447	692,315	714,975	707,592	706,100	613,903	583,430	653,553	654,116	643,988	644,848	1,724	0.3%	-70,127	-9.8%	860	0.1%
	(自動車)	t-CO2	(490,246)	(562,384)	(550,012)	(545,941)	(539,524)	(537,685)	(536,200)	(535,483)	(532,268)	(530,143)	(436,961)	(409,390)	(485,386)	(481,799)	(477,294)	(477,503)	-12,743	-2.6%	-57,980	-10.8%	209	0.0%
	(J R)	t-CO2	(2,795)	(2,570)	(2,448)	(2,635)	(2,580)	(2,529)	(3,293)	(3,260)	(2,826)	(2,787)	(2,271)	(2,346)	(2,182)	(2,151)	(2,121)	(1,916)	-879	-31.4%	-1,344	-41.2%	-205	-9.7%
	(船舶)	t-CO2	(150,083)	(163,485)	(150,316)	(176,236)	(155,900)	(167,233)	(152,822)	(176,232)	(172,498)	(173,170)	(174,671)	(171,694)	(165,985)	(170,166)	(164,573)	(165,429)	15,346	10.2%	-10,803	-6.1%	856	0.5%
	廃棄物分野	t-CO2	0	29,302	23,486	32,781	35,578	29,206	34,059	38,060	30,396	38,396	34,744	39,216	48,293	41,381	41,331	39,335	39,335	-	1,275	3.3%	-1,996	-4.8%
	小計	t-CO2	2,881,619	2,691,314	2,641,811	2,493,579	2,369,500	2,614,575	2,830,685	2,745,460	2,655,558	2,684,887	2,483,785	2,444,322	2,398,056	2,264,275	2,131,550	2,113,083	-768,536	-26.7%	-632,377	-23.0%	-18,467	-0.9%
C H 4	自動車の走行	t-CO2	632	571	551	543	536	460	455	453	285	285	267	279	256	246	216	209	-423	-66.9%	-244	-53.9%	-7	-3.2%
	一般廃棄物の焼却	t-CO2	8	3	2	2	2	2	2	2	2	2	2	2	2	2	2	5	-3	-37.5%	3	150.0%	3	150.0%
	埋立処分場	t-CH4	8,550	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	5,700	66.7%	0	0.0%	0	0.0%
	排水処理	t-CO2	806	818	800	849	828	844	837	859	793	816	817	864	861	791	825	832	26	3.2%	-27	-3.1%	7	0.8%
	水田	t-CO2	676	284	276	276	344	332	344	300	260	240	260	260	256	240	248	406	-270	-39.9%	106	35.3%	158	63.7%
	家畜の飼育	t-CO2	4,476	2,629	2,629	2,629	2,629	2,833	2,833	2,833	2,833	2,833	1,649	1,767	1,661	1,576	1,529	1,119	-3,357	-75.0%	-1,714	-60.5%	-410	-26.8%
	家畜の排泄物の管理	t-CO2	392	247	249	249	249	249	249	249	249	249	98	107	112	93	89	71	-321	-81.9%	-178	-71.5%	-18	-20.2%
	小計	t-CO2	15,540	18,802	18,757	18,798	18,838	18,970	18,970	18,946	18,672	18,675	17,343	17,529	17,398	17,198	17,159	16,892	1,352	8.7%	-2,054	-10.8%	-267	-1.6%
N 2 O	自動車の走行	t-CO2	10,409	8,320	8,082	7,989	7,921	4,860	4,777	4,750	3,320	3,317	3,052	3,105	3,013	2,911	2,634	2,554	-7,855	-75.5%	-2,196	-46.2%	-80	-3.0%
	一般廃棄物の焼却	t-CO2	796	1,740	1,633	1,594	1,600	1,532	1,544	1,535	1,523	1,532	1,508	1,484	1,520	1,579	1,511	930	134	16.8%	-605	-39.4%	-581	-38.5%
	排水処理	t-CO2	1,588	1,928	1,815	1,898	1,865	1,898	1,892	1,931	1,779	1,830	1,836	1,922	1,877	1,719	1,797	1,585	-3	-0.2%	-346	-17.9%	-212	-11.8%
	家畜の排泄物の管理	t-CO2	4,545	2,906	2,947	2,947	2,947	2,947	2,947	2,947	1,290	1,290	381	414	480	349	331	268	-4,277	-94.1%	-2,679	-90.9%	-63	-19.0%
	耕地における肥料の使用	t-CO2	751	483	489	468	480	453	438	432	387	384	343	337	319	316	304	295	-456	-60.7%	-137	-31.7%	-9	-3.0%
	小計	t-CO2	18,089	15,377	14,966	14,896	14,813	11,690	11,598	11,595	8,299	8,353	7,120	7,262	7,209	6,874	6,577	5,632	-12,457	-68.9%	-5,963	-51.4%	-945	-14.4%
H F C	冷媒	t-CO2	2,500	32,429	37,627	41,871	47,062	52,979	59,787	79,144	88,309	96,082	103,882	109,100	113,762	120,301	125,864	124,261	121,761	4870.4%	45,117	57.0%	-1,603	-1.3%
	発泡	t-CO2	1,345	899	811	802	799	808	802	6,083	6,437	6,661	7,079	7,435	7,689	7,822	7,645	7,380	6,035	448.7%	1,297	21.3%	-265	-3.5%
	消火剤	t-CO2	0	17	17	19	19	19	19	25	25	25	25	26	26	26	26	25	25	-	0	0.0%	-1	-3.8%
	エアゾール	t-CO2	4,063	2,410	2,524	2,238	1,757	1,668	1,456	1,334	1,366	1,448	1,567	1,593	1,431	1,502	1,722	1,503	-2,560	-63.0%	169	12.7%	-219	-12.7%
	小計	t-CO2	7,908	35,755	40,979	44,930	49,637	55,474	62,064	86,586	96,137	104,216	112,553	118,154	122,908	129,651	135,257	133,169	125,261	1584.0%	46,583	53.8%	-2,088	-1.5%
P F C	溶剤	t-CO2	123	25	22	25	30	24	28	36	34	64	28	37	21	28	28	28	-95	-77.2%	-8	-22.2%	0	0.0%
	小計	t-CO2	123	25	22	25	30	24	28	36	34	64	28	37	21	28	28	28	-95	-77.2%	-8	-22.2%	0	0.0%
S F 6	電気絶縁ガス使用機器	t-CO2	18,066	1,487	1,541	1,262	1,087	1,309	1,268	1,071	1,028	968	1,042	923	852	864	842	899	-17,167	-95.0%	-172	-16.1%	57	6.8%
	小計	t-CO2	18,066	1,487	1,541	1,262	1,087	1,309	1,268	1,071	1,028	968	1,042	923	852	864	842	899	-17,167	-95.0%	-172	-16.1%	57	6.8%
合計		t-CO2	2,941,345	2,762,760	2,718,076	2,573,490	2,453,905	2,702,042	2,924,613	2,863,694	2,779,728	2,817,163	2,621,871	2,588,227	2,546,444	2,418,890	2,291,413	2,269,703	-671,642	-22.8%	-593,991	-20.7%	-21,710	-0.95%
吸収量		t-CO2	-	-	-	-	-	-	-	-	93,195	93,909	93,220	92,680	92,890	89,830	89,499	92,251	-	-	-	-	2,752	3.1%
合計（吸収量差引き後）		t-CO2	2,941,345	2,762,760	2,718,076	2,573,490	2,453,905	2,702,042	2,924,613	2,863,694	2,686,533	2,723,254	2,528,651	2,495,547	2,453,554	2,329,060	2,201,914	2,177,452	-763,893	-26.0%	-686,242	-24.0%	-24,462	-1.11%
函館市の人口		人	328,707	288,434	285,701	283,301	280,845	277,831	275,263	272,530	269,628	266,773	263,706	260,174	256,772	253,340	250,022	246,256	-82,451	-25.1%	-26,274	-9.6%	-3,766	-1.5%
1人あたりの排出量		t-CO2/人	8.95	9.58	9.51	9.08	8.74	9.73	10.62	10.51	9.96	10.21	9.59	9.59	9.56	9.19	8.81	8.84	-0	-1.2%	-2	-15.9%	0	0.3%
函館市の世帯数		世帯	126,770	141,113	141,920	142,467	142,918	143,079	143,169	143,360	143,206	143,210	142,974	142,389	141,807	141,221	140,972	140,115	13,345	10.5%	-3,245	-2.3%	-857	-0.6%
1世帯あたりの排出量(家庭部門)		t-CO2/世帯	4.54	4.84	4.80	4.19	4.03	4.72	5.29	4.91	5.16	4.79	5.00	4.95	4.45	4.65	4.31	4.15	-0	-8.6%	-1	-15.5%	-0	-3.7%

※2007年度以降は、外国人を含めた3月末日現在の人口・世帯数を使用（1990年度は、外国人を集計していなかったため、日本人のみのデータ）