

Inventario Nacional de Gases y Compuestos de Efecto Invernadero. Resumen 1990-2015
(Gases en Gg de CO2e; Carbono negro en Gg)

Sector de emisión	Año	CO2	CH4	N2O	HFC	PFC	SF6	Emisiones de gases	Carbono negro
1 Energía	1990	283,838.01	15,737.90	1,897.34	-	-	-	301,473.25	86.73
	1991	294,173.36	15,611.31	3,106.09	-	-	-	312,890.76	91.08
	1992	295,572.88	15,423.53	3,132.22	-	-	-	314,128.63	90.69
	1993	296,829.47	15,677.38	3,180.01	-	-	-	315,686.87	93.64
	1994	315,530.23	15,266.88	2,719.47	-	-	-	333,516.57	92.45
	1995	305,374.46	15,184.36	2,610.37	-	-	-	323,169.19	94.74
	1996	322,358.66	16,874.57	2,640.58	-	-	-	341,873.81	94.72
	1997	343,202.39	17,481.90	2,758.62	-	-	-	363,442.91	102.51
	1998	364,373.14	18,214.09	2,803.47	-	-	-	385,390.69	105.72
	1999	352,906.18	18,306.23	2,744.89	-	-	-	373,957.30	95.83
	2000	357,326.67	20,128.24	2,820.38	-	-	-	380,275.29	95.84
	2001	353,993.01	20,136.53	2,808.26	-	-	-	376,937.81	91.73
	2002	371,973.13	20,837.38	2,934.35	-	-	-	395,744.85	88.98
	2003	369,194.84	22,739.12	3,005.50	-	-	-	394,939.47	87.34
	2004	375,558.63	22,802.97	3,161.57	-	-	-	401,523.17	87.09
	2005	386,846.75	23,093.49	3,288.96	-	-	-	413,229.20	103.93
2006	404,852.48	23,209.53	3,463.29	-	-	-	431,525.30	103.44	
2007	430,251.12	23,410.67	3,637.06	-	-	-	457,298.85	113.02	
2008	472,277.46	23,617.47	3,777.90	-	-	-	499,672.83	126.19	
2009	448,825.37	25,691.99	3,648.02	-	-	-	478,165.38	114.41	
2010	439,237.83	27,001.46	3,732.59	-	-	-	469,971.88	109.36	
2011	442,759.92	29,204.44	3,832.13	-	-	-	475,796.48	106.24	
2012	436,445.32	27,272.32	3,801.55	-	-	-	467,519.19	106.73	
2013	443,161.72	26,844.69	3,756.55	-	-	-	473,762.96	111.79	
2014	440,146.19	26,791.26	3,677.58	-	-	-	470,615.02	106.61	
2015	445,398.37	31,644.83	3,835.63	-	-	-	480,878.83	106.65	
2 Procesos industriales y uso de productos	1990	30,263.21	257.95	872.91	760.64	437.73	32.41	32,624.86	0.00
	1991	29,001.10	259.61	1,018.73	882.87	320.77	35.04	31,518.11	0.00
	1992	30,333.76	277.78	617.14	566.39	283.56	39.57	32,118.21	0.00
	1993	30,117.61	246.02	695.18	869.86	173.18	43.48	32,145.34	0.00
	1994	32,919.27	248.22	762.64	695.28	0.00	46.81	34,672.22	0.00
	1995	31,524.73	257.79	1,300.96	647.78	69.97	49.04	33,850.26	0.00
	1996	33,606.63	254.86	1,592.75	1,632.01	412.68	57.69	37,556.62	0.00
	1997	34,574.17	247.00	1,282.25	1,668.59	445.86	60.26	38,278.13	0.00
	1998	35,358.18	240.55	1,188.31	1,312.20	452.55	62.22	38,614.01	0.00
	1999	35,387.89	221.24	1,020.79	1,809.61	521.79	65.12	39,026.44	0.00
	2000	35,231.45	223.05	550.65	1,903.46	568.54	69.99	38,547.13	0.00
	2001	31,768.95	206.48	462.57	1,752.85	346.04	81.30	34,618.19	0.00
	2002	32,149.35	193.59	317.92	2,478.49	262.05	93.73	35,495.12	0.00
	2003	33,794.27	193.45	330.89	2,752.46	167.98	106.38	37,345.42	0.00
	2004	35,698.70	195.42	330.27	3,019.54	0.00	116.97	39,360.90	0.00
	2005	36,362.92	204.17	336.07	4,423.71	0.00	123.07	41,449.95	0.00
2006	37,459.55	213.40	363.17	6,029.47	0.00	126.01	44,191.60	0.00	
2007	39,563.59	184.57	355.70	7,699.39	0.00	141.64	47,944.90	0.00	
2008	39,936.17	198.75	264.84	8,951.71	0.00	144.58	49,496.04	0.00	
2009	36,250.50	209.24	294.46	9,508.28	0.00	145.64	46,408.14	0.00	
2010	38,741.92	209.43	691.40	10,551.39	0.00	157.99	50,352.12	0.00	
2011	40,179.58	216.87	702.22	11,042.15	0.00	165.36	52,306.18	0.00	
2012	40,900.12	216.98	687.23	10,722.40	0.00	170.85	52,697.57	0.00	
2013	40,216.20	202.46	675.21	11,528.03	0.00	183.86	52,805.76	0.00	
2014	41,379.13	194.83	666.57	13,029.86	0.00	187.54	55,457.93	0.00	
2015	40,447.09	181.78	670.90	12,616.74	0.00	195.25	54,111.76	0.00	
3 Agricultura, silvicultura y otros usos de la tierra	1990	-147,799.10	64,612.48	33,013.76	-	-	-	-50,172.86	3.09
	1991	-147,905.19	63,124.47	31,571.06	-	-	-	-53,209.66	3.00
	1992	-147,819.45	61,720.18	31,642.85	-	-	-	-54,456.43	3.03
	1993	-147,852.56	62,318.28	31,409.07	-	-	-	-54,125.20	2.99
	1994	-147,832.06	64,086.37	32,083.93	-	-	-	-51,661.76	3.00
	1995	-147,921.97	63,780.88	31,049.15	-	-	-	-53,091.94	5.82
	1996	-147,920.42	61,837.90	31,302.40	-	-	-	-54,780.11	5.63
	1997	-147,908.64	62,240.23	31,570.94	-	-	-	-54,097.47	4.17
	1998	-147,815.29	63,373.69	33,035.56	-	-	-	-51,406.04	11.53
	1999	-147,790.02	60,664.38	31,819.44	-	-	-	-55,306.20	5.19
2000	-147,791.62	61,512.34	32,085.24	-	-	-	-54,194.03	5.07	
2001	-147,787.47	61,222.62	32,655.92	-	-	-	-53,908.93	4.42	
2002	-150,664.99	62,725.25	30,634.70	-	-	-	-57,305.04	5.10	

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3 Agricultura, silvicultura y otros usos de la tierra	2003	-150,634.24	62,968.93	31,059.02	-	-	-	-56,606.28	6.25	
	2004	-150,626.38	62,332.79	30,956.05	-	-	-	-57,337.55	4.04	
	2005	-150,626.09	62,076.93	32,393.62	-	-	-	-56,155.54	5.38	
	2006	-150,679.05	62,465.91	31,940.55	-	-	-	-56,272.60	5.32	
	2007	-146,016.11	62,433.73	32,845.48	-	-	-	-50,736.90	4.39	
	2008	-146,110.29	62,579.14	31,766.73	-	-	-	-51,764.42	5.23	
	2009	-146,108.29	63,383.37	32,251.73	-	-	-	-50,473.19	5.66	
	2010	-146,042.17	63,188.07	32,577.34	-	-	-	-50,276.76	4.26	
	2011	-147,805.59	65,348.05	33,363.03	-	-	-	-49,094.51	9.91	
	2012	-147,796.19	62,237.99	33,612.42	-	-	-	-51,945.78	6.41	
	2013	-147,827.88	63,701.59	34,194.79	-	-	-	-49,931.49	7.24	
	2014	-147,795.15	64,074.83	34,813.55	-	-	-	-48,906.76	5.30	
	2015	-147,898.94	67,156.27	34,456.10	-	-	-	-46,286.57	4.44	
	4 Residuos	1990	463.45	10,794.04	1,292.61	-	-	-	12,550.11	1.56
		1991	475.05	11,957.00	1,334.40	-	-	-	13,766.45	1.60
1992		487.04	13,226.78	1,362.87	-	-	-	15,076.69	1.64	
1993		499.52	14,634.03	1,391.96	-	-	-	16,525.51	1.64	
1994		512.68	15,926.27	1,489.32	-	-	-	17,928.26	1.73	
1995		526.28	17,146.13	1,519.00	-	-	-	19,191.40	1.77	
1996		531.58	18,440.42	1,556.19	-	-	-	20,528.19	1.79	
1997		536.96	19,790.88	1,594.16	-	-	-	21,922.00	1.81	
1998		542.40	20,670.58	1,648.98	-	-	-	22,861.96	1.83	
1999		547.91	20,581.67	1,739.83	-	-	-	22,869.41	1.84	
2000		553.49	21,207.83	1,755.05	-	-	-	23,516.37	1.86	
2001		539.86	22,295.22	1,783.80	-	-	-	24,618.88	1.81	
2002		533.44	22,888.03	1,799.27	-	-	-	25,220.73	1.76	
2003		665.11	23,377.59	1,793.32	-	-	-	25,836.02	1.78	
2004		647.82	23,451.60	1,806.09	-	-	-	25,905.51	1.74	
2005		629.57	26,047.77	1,836.66	-	-	-	28,514.00	1.68	
2006		626.92	28,058.64	1,854.25	-	-	-	30,539.82	1.68	
2007	619.50	30,396.02	1,881.62	-	-	-	32,897.15	1.68		
2008	993.73	32,548.13	1,886.31	-	-	-	35,428.17	1.61		
2009	1,021.25	34,840.15	1,891.02	-	-	-	37,752.41	1.60		
2010	1,021.36	37,008.81	1,918.17	-	-	-	39,948.34	1.60		
2011	962.26	38,410.77	1,916.78	-	-	-	41,289.80	1.49		
2012	903.09	39,424.27	1,999.59	-	-	-	42,326.95	1.40		
2013	849.08	40,682.81	2,021.03	-	-	-	43,552.92	1.31		
2014	800.37	41,564.41	2,070.44	-	-	-	44,435.22	1.23		
2015	730.23	43,093.22	2,085.57	-	-	-	45,909.01	1.16		
Emisiones netas	1990	166,765.58	91,402.38	37,076.62	760.64	437.73	32.41	296,475.36	-	
	1991	175,744.31	90,952.39	37,030.27	882.87	320.77	35.04	304,965.65	-	
	1992	178,574.23	90,648.27	36,755.08	566.39	283.56	39.57	306,867.10	-	
	1993	179,594.05	92,875.72	36,676.22	869.86	173.18	43.48	310,232.51	-	
	1994	201,130.11	95,527.74	37,055.35	695.28	0.00	46.81	334,455.29	-	
	1995	189,503.49	96,369.15	36,479.48	647.78	69.97	49.04	323,118.91	-	
	1996	208,576.46	97,407.76	37,091.92	1,632.01	412.68	57.69	345,178.51	-	
	1997	230,404.88	99,760.01	37,205.97	1,668.59	445.86	60.26	369,545.57	-	
	1998	252,458.43	102,498.90	38,676.32	1,312.20	452.55	62.22	395,460.62	-	
	1999	241,051.96	99,773.52	37,324.95	1,809.61	521.79	65.12	380,546.96	-	
	2000	245,319.99	103,071.46	37,211.32	1,903.46	568.54	69.99	388,144.75	-	
	2001	238,514.35	103,860.86	37,710.56	1,752.85	346.04	81.30	382,265.95	-	
	2002	253,990.92	106,644.25	35,686.23	2,478.49	262.05	93.73	399,155.67	-	
	2003	253,019.98	109,279.09	36,188.73	2,752.46	167.98	106.38	401,514.63	-	
	2004	261,278.76	108,782.77	36,253.98	3,019.54	0.00	116.97	409,452.02	-	
	2005	273,213.15	111,422.36	37,855.31	4,423.71	0.00	123.07	427,037.60	-	
	2006	292,259.91	113,947.48	37,621.26	6,029.47	0.00	126.01	449,984.12	-	
2007	324,418.10	116,425.00	38,719.87	7,699.39	0.00	141.64	487,404.00	-		
2008	367,097.08	118,943.48	37,695.77	8,951.71	0.00	144.58	532,832.62	-		
2009	339,988.83	124,124.74	38,085.24	9,508.28	0.00	145.64	511,852.74	-		
2010	332,958.94	127,407.76	38,919.51	10,551.39	0.00	157.99	509,995.58	-		
2011	336,096.17	133,180.12	39,814.15	11,042.15	0.00	165.36	520,297.95	-		
2012	330,452.35	129,151.56	40,100.78	10,722.40	0.00	170.85	510,597.93	-		
2013	336,399.11	131,431.55	40,647.60	11,528.03	0.00	183.86	520,190.15	-		
2014	334,530.55	132,625.33	41,228.15	13,029.86	0.00	187.54	521,601.42	-		
2015	338,676.75	142,076.11	41,048.19	12,616.74	0.00	195.25	534,613.03	-		

Sector de emisión	Año	CO2	CH4	N2O	HFC	PFC	SF6	Emisiones de gases	Carbono negro
Emisiones totales	1990	315,031.80	91,402.38	37,076.62	760.64	437.73	32.41	444,741.57	91.38
	1991	324,010.53	90,952.39	37,030.27	882.87	320.77	35.04	453,231.87	95.68
	1992	326,840.44	90,648.27	36,755.08	566.39	283.56	39.57	455,133.32	95.36
	1993	327,860.26	92,875.72	36,676.22	869.86	173.18	43.48	458,498.73	98.27
	1994	349,396.33	95,527.74	37,055.35	695.28	0.00	46.81	482,721.51	97.18
	1995	337,769.71	96,369.15	36,479.48	647.78	69.97	49.04	471,385.13	102.33
	1996	356,842.67	97,407.76	37,091.92	1,632.01	412.68	57.69	493,444.73	102.14
	1997	378,671.09	99,760.01	37,205.97	1,668.59	445.86	60.26	517,811.78	108.49
	1998	400,724.64	102,498.90	38,676.32	1,312.20	452.55	62.22	543,726.83	119.08
	1999	389,318.18	99,773.52	37,324.95	1,809.61	521.79	65.12	528,813.18	102.86
	2000	393,586.21	103,071.46	37,211.32	1,903.46	568.54	69.99	536,410.97	102.77
	2001	386,780.57	103,860.86	37,710.56	1,752.85	346.04	81.30	530,532.17	97.95
	2002	405,102.50	106,644.25	35,686.23	2,478.49	262.05	93.73	550,267.25	95.84
	2003	404,131.56	109,279.09	36,188.73	2,752.46	167.98	106.38	552,626.21	95.38
	2004	412,390.34	108,782.77	36,253.98	3,019.54	0.00	116.97	560,563.60	92.87
2005	424,324.73	111,422.36	37,855.31	4,423.71	0.00	123.07	578,149.18	111.00	
2006	443,371.48	113,947.48	37,621.26	6,029.47	0.00	126.01	601,095.70	110.43	
2007	470,994.69	116,425.00	38,719.87	7,699.39	0.00	141.64	633,980.59	119.09	
2008	513,673.67	118,943.48	37,695.77	8,951.71	0.00	144.58	679,409.21	133.03	
2009	486,565.42	124,124.74	38,085.24	9,508.28	0.00	145.64	658,429.33	121.68	
2010	479,535.53	127,407.76	38,919.51	10,551.39	0.00	157.99	656,572.17	115.22	
2011	484,442.23	133,180.12	39,814.15	11,042.15	0.00	165.36	668,644.02	117.65	
2012	478,798.42	129,151.56	40,100.78	10,722.40	0.00	170.85	658,944.00	114.54	
2013	484,745.18	131,431.55	40,647.60	11,528.03	0.00	183.86	668,536.21	120.34	
2014	482,876.61	132,625.33	41,228.15	13,029.86	0.00	187.54	669,947.49	113.14	
2015	487,022.81	142,076.11	41,048.19	12,616.74	0.00	195.25	682,959.10	112.24	

NOTAS

Variable	Notas
Emisiones estimadas de gases de efecto invernadero (IPCC, 2006)	Los datos son estimaciones realizadas por el Instituto Nacional de Ecología y Cambio Climático (INECC) y forman parte del Inventario Nacional de Gases y Compuestos de Efecto Invernadero. El Inventario, presentado en marzo de 2018, incluye las emisiones de bióxido de carbono (CO2), metano (CH4), óxido nitroso (N2O), hidrofluorocarbonos (HFC), perfluorocarbonos (PFC), hexafluoruro de azufre (SF6) y carbono negro en el periodo 1990-2015. Las estimaciones se realizaron de acuerdo con las Directrices del Panel Intergubernamental de Cambio Climático (IPCC, por su nombre en inglés: Intergovernmental Panel on Climate Change) de 2006 para los inventarios nacionales de gases de efecto invernadero: IPCC, 2006, Guidelines for National Greenhouse Gas Inventories. En el caso del sector «Agricultura, silvicultura y otros usos de la tierra», el Inventario considera la estimación de la absorción de CO2 como parte del proceso fotosintético de la cubierta vegetal y los cuerpos de agua (Sector 3B Tierra). Emisiones netas: Suma de las emisiones de los sectores, incluidas las absorciones de CO2 (valores negativos) que resultan de las permanencia y conversiones de tierras forestales, pastizales, humedales, tierras de cultivo, asentamientos y otras tierras (consideradas en el sector 3B Tierra de la clasificación del IPCC). Emisiones totales: Suma de las emisiones de los sectores, sin considerar las absorciones de CO2 (valores negativos) que derivan de permanencias y conversiones de tierras forestales, pastizales, humedales, tierras de cultivo, asentamientos y otras tierras.
Emisiones estimadas de carbono negro	Los datos son estimaciones realizadas por el Instituto Nacional de Ecología y Cambio Climático (INECC) y forman parte del Inventario Nacional de Gases y Compuestos de Efecto Invernadero. El Inventario, presentado en marzo de 2018, incluye las emisiones de bióxido de carbono (CO2), metano (CH4), óxido nitroso (N2O), hidrofluorocarbonos (HFC), perfluorocarbonos (PFC), hexafluoruro de azufre (SF6) y carbono negro en el periodo 1990-2015.

FUENTES

Instituto Nacional de Ecología y Cambio Climático, Inventario Nacional de Gases y Compuestos de Efecto Invernadero, consultado en <https://www.gob.mx/inecc/prensa/presentacion-de-los-resultados-del-inventario-nacional-de-emisiones-de-gases-y-compuestos-de-efecto-invernadero>, 06-04-2018.