

CO2 from biogenic materials

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
1 - Energy	16.6	16.9	15.2	18.3	20.0	19.5	19.3	19.1	19.4	21.2	24.5	23.7	24.0	28.5	28.7	26.6	27.1	27.6	28.4	31.2	30.8	35.4
1A - Fuel Combustion Activities	16.6	16.9	15.2	18.3	20.0	19.5	19.3	19.1	19.4	21.2	24.5	23.7	24.0	28.5	28.7	26.6	27.1	27.6	28.4	31.1	30.8	35.4
1A1 - Energy Industries	8.4	8.2	8.0	8.2	8.1	8.5	8.7	8.3	8.3	9.4	9.2	7.6	9.1	10.7	10.4	9.8	8.9	8.7	8.6	8.5	8.0	7.6
1A1a - Main Activity Electricity and Heat Production	8.4	8.2	8.0	8.2	8.1	8.5	8.7	8.3	8.3	9.4	9.2	7.6	9.1	10.7	10.4	9.8	8.9	8.7	8.6	8.5	7.9	7.5
1A1ai - Electricity Generation	5.2	4.8	5.7	5.6	5.4	5.5	5.7	5.3	5.5	7.2	7.1	5.3	6.3	7.9	7.9	7.5	6.4	6.1	6.0	5.7	5.3	5.1
1A1aii - Combined Heat and Power Generation (CHP)	3.1	3.4	2.3	2.6	2.7	3.0	3.0	3.0	2.8	2.3	2.0	2.3	2.8	2.8	2.5	2.3	2.6	2.6	2.6	2.8	2.6	2.5
1A1b - Petroleum Refining	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1A1c - Manufacture of Solid Fuels and Other Energy Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1A1cii - Other Energy Industries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1A2 - Manufacturing Industries and Construction	3.8	4.3	2.6	2.6	2.7	2.9	2.7	2.7	2.4	2.2	2.6	2.8	2.9	2.9	2.7	2.5	2.6	2.6	2.6	2.6	4.6	4.9
1A2f - Non-Metallic Minerals	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
1A2k - Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1A2m - Non-specified Industry.	3.7	4.2	2.6	2.5	2.6	2.8	2.6	2.6	2.4	2.2	2.5	2.7	2.7	2.7	2.4	2.3	2.4	2.3	2.3	2.4	4.5	4.7
1A3 - Transport	0.3	0.5	0.6	3.2	4.9	5.3	5.4	5.3	5.6	5.5	8.5	9.1	8.5	10.2	10.9	11.5	12.7	13.6	14.3	16.5	15.0	19.2
1A3a - Civil Aviation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1A3ai - International Aviation (International Bunkers)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1A3aii - Domestic Aviation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1A3b - Road Transportation	0.3	0.5	0.6	3.2	4.9	5.2	5.3	5.3	5.5	5.5	8.4	9.0	8.4	9.9	10.6	11.0	12.1	12.9	13.4	15.2	13.5	17.2
1A3bi - Cars	0.2	0.2	0.3	1.5	2.2	2.3	2.3	2.3	2.4	2.4	3.7	4.0	3.7	4.0	4.3	4.2	4.4	4.2	4.1	3.9	3.2	3.5
1A3bii - Light-duty Trucks	0.1	0.2	0.2	1.4	2.2	2.4	2.4	2.4	2.6	2.6	3.9	4.2	3.9	4.0	4.4	4.2	4.1	4.3	4.4	4.3	3.6	4.1
1A3biii - Heavy-duty Trucks and Buses	0.0	0.1	0.1	0.3	0.5	0.5	0.6	0.6	0.6	0.5	0.7	0.8	0.8	1.9	1.9	2.6	3.6	4.4	4.8	6.9	6.7	9.6
1A3biv - Motorcycles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1A3c - Railways	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.6
1A3d - Water-borne Navigation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3
1A3dii - Domestic Water-borne Navigation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3
1A3e - Other Transportation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.6	0.6	0.9
1A3eii - Off-road	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.6	0.6	0.9
1A4 - Other Sectors	4.1	3.9	4.0	4.2	4.3	2.8	2.6	2.8	3.1	4.0	4.3	4.2	3.5	4.7	4.8	2.8	2.8	2.7	2.9	3.5	3.2	3.7
1A4a - Commercial/Institutional	0.6	0.6	0.6	0.6	0.6	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.5	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.7
1A4b - Residential	3.5	3.3	3.4	3.6	3.7	2.4	2.2	2.4	2.7	3.5	3.8	3.6	3.0	4.0	4.0	2.1	1.9	1.9	2.1	2.5	2.0	2.1
1A4c - Agriculture/Forestry/Fishing/Fish Farms	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.6	0.8
1B - Fugitive Emissions from Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1B2 - Oil and Natural Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1B2a - Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1B2aii - Flaring	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CO2 from biogenic materials	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
1B3 - Geothermal Energy Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 - Agriculture, Forestry and Other Land Use	1.4	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.5	1.6	1.6	1.7	1.7	1.8	1.9	1.9
3C - Aggregate Sources and Non-CO2 Emissions Sources on Land	1.4	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.5	1.6	1.6	1.7	1.7	1.8	1.9	1.9
3C1 - Emissions from Biomass Burning	1.4	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.5	1.6	1.6	1.7	1.7	1.8	1.9	1.9
3C1b - Biomass Burning in Croplands	1.4	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.5	1.6	1.6	1.7	1.7	1.8	1.9	1.9
4 - Waste	6.8	7.3	7.6	7.6	7.8	8.0	8.3	8.5	8.7	8.8	9.0	9.1	9.5	9.6	9.6	9.6	9.4	9.6	9.9	9.9	10.2	10.3
4A - Solid Waste Disposal	6.0	6.4	6.6	6.6	6.7	6.8	7.1	7.2	7.2	7.3	7.4	7.5	7.7	7.8	7.7	7.6	7.3	7.5	7.7	7.6	7.9	7.9
4A1 - Managed Waste Disposal Sites	6.0	6.4	6.6	6.6	6.7	6.8	7.1	7.2	7.2	7.3	7.4	7.5	7.7	7.8	7.7	7.6	7.3	7.5	7.7	7.6	7.9	7.9
4B - Biological Treatment of Solid Waste	0.8	0.9	1.0	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7	1.7	1.8	1.9	2.0	2.0	2.1	2.2	2.3	2.4	2.4
Summary for CO2 from biogenic materials																						
Carbon dioxide from Biogenic sources	24.8	25.3	24.0	27.1	29.0	28.8	28.8	28.9	29.4	31.5	35.0	34.3	34.9	39.7	39.9	37.7	38.1	38.9	40.0	42.9	42.9	47.7

Other Emissions

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021

This section of the inventory is currently under development