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Contents

Table 1s1	
Table 1s2	
Table 1s3	
Table 1(a)s1	
Table 1(a)s2	
Table 1(a)s3	
Table 1(b)s1	
Table 1(b)s2	
Table 1(b)s3	
Table 1(c)s1	
Table 1(c)s2	
Table 1(c)s3	
Table 1(d)s1	
Table 1(d)s2	
Table 1(d)s3	
Table 2(a)	
Table 2(b)	
Table 2(c)	
Table 2(d)	
Table 2(e)I	
Table 2(e)II	
Table 2(f)	
Table 3	
Table 4	
Table 4(a)I 2011	
Table 4(a)I 2012	
Table 4(a)II	
Table 4(b)	
Table 5	
Table 6(a)	
Table 6(b)	Greenhouse gas projections: Scenario 'without measures' was not included.
Table 6(c)	
Table 7 2011	
Table 7 2012	
Table 7(a) 2011	
Table 7(a) 2012	
Table 7(b) 2011	
Table 7(b) 2012	
Table 8	
Table 9	

Table 1

ITA_BR1_v3.0

Emission trends: summary ⁽¹⁾
(Sheet 1 of 3)

CRF: ITA_CRF__ v2.1

GREENHOUSE GAS EMISSIONS	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq
CO ₂ emissions including net CO ₂ from LULUCF	421,621.13	407,658.24	408,791.66	415,097.38	395,605.80	414,255.34	407,609.55	420,055.46	434,049.64
CO ₂ emissions excluding net CO ₂ from LULUCF	434,656.30	434,156.41	433,867.57	427,170.18	419,903.98	444,943.68	438,303.36	442,371.70	453,524.08
CH ₄ emissions including CH ₄ from LULUCF	44,358.93	45,425.08	44,007.80	44,042.26	44,318.37	44,494.56	45,196.39	45,857.38	45,945.33
CH ₄ emissions excluding CH ₄ from LULUCF	43,760.90	45,070.55	43,662.80	43,457.71	43,848.69	44,335.69	44,997.48	45,533.11	45,457.70
N ₂ O emissions including N ₂ O from LULUCF	37,679.71	38,653.65	38,090.63	38,646.75	37,860.19	38,568.73	38,597.95	40,005.82	40,008.42
N ₂ O emissions excluding N ₂ O from LULUCF	37,396.31	38,424.74	37,878.32	38,381.56	37,591.66	38,422.16	38,443.89	39,841.85	39,788.54
HFCs	351.00	355.43	358.78	355.42	481.90	671.29	450.33	755.74	1,181.72
PFCs	2,486.74	2,149.93	1,567.24	1,444.45	1,233.11	1,266.38	1,038.26	1,066.25	1,103.90
SF ₆	332.92	356.39	358.26	370.40	415.66	601.45	682.56	728.64	604.81
Total (including LULUCF)	506,830.43	494,598.72	493,174.37	499,956.66	479,915.04	499,857.76	493,575.03	508,469.28	522,893.82
Total (excluding LULUCF)	518,984.17	520,513.45	517,692.97	511,179.71	503,475.00	530,240.65	523,915.87	530,297.29	541,660.75

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq
1. Energy	417,736.09	417,874.73	417,156.96	413,728.80	407,570.73	431,111.04	427,219.32	431,458.49	442,980.82
2. Industrial Processes	38,389.92	38,028.62	37,469.02	34,263.50	32,752.96	35,928.88	32,749.71	33,297.42	33,749.64
3. Solvent and Other Product Use	2,454.62	2,393.98	2,393.71	2,350.74	2,266.57	2,234.87	2,320.85	2,331.38	2,385.84
4. Agriculture	40,738.59	41,521.87	41,001.92	41,298.67	40,796.33	40,520.46	40,309.65	41,357.15	40,610.36
5. Land Use, Land-Use Change and Forestry ^b	-12,153.74	-25,914.73	-24,518.61	-11,223.05	-23,559.96	-30,382.90	-30,340.85	-21,828.00	-18,766.93
6. Waste	19,664.96	20,694.26	19,671.36	19,538.00	20,088.42	20,445.39	21,316.34	21,852.86	21,934.07
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (including LULUCF)	506,830.43	494,598.72	493,174.37	499,956.66	479,915.04	499,857.76	493,575.03	508,469.28	522,893.82

Note: All footnotes for this table are given on sheet 3.

¹ The common tabular format will be revised, in accordance with relevant decisions of the Conference of the Parties and, where applicable, with decisions of the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol."

Table 1

ITA_BR1_v3.0

Emission trends: summary ⁽¹⁾
(Sheet 2 of 3)

CRF: ITA_CRF__ v2.1

<i>GREENHOUSE GAS EMISSIONS</i>	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>
CO ₂ emissions including net CO ₂ from LULUCF	430,679.50	435,951.80	434,666.84	431,945.20	455,375.68	452,678.14	449,563.22	444,163.98	456,876.15	426,953.92
CO ₂ emissions excluding net CO ₂ from LULUCF	458,824.82	462,277.69	468,283.97	470,530.86	486,559.68	489,367.01	488,078.03	483,542.57	475,441.19	463,921.58
CH ₄ emissions including CH ₄ from LULUCF	45,891.14	46,191.08	44,929.16	43,887.46	43,072.71	41,601.48	41,266.94	39,716.93	40,034.74	38,403.82
CH ₄ emissions excluding CH ₄ from LULUCF	45,680.84	45,843.74	44,695.99	43,760.64	42,787.18	41,385.21	41,106.94	39,577.86	39,312.65	38,191.59
N ₂ O emissions including N ₂ O from LULUCF	40,611.92	39,627.21	39,668.72	38,918.61	38,460.70	39,476.50	37,750.97	32,394.14	31,919.91	29,700.30
N ₂ O emissions excluding N ₂ O from LULUCF	40,505.19	39,483.23	39,561.04	38,846.20	38,334.08	39,366.79	37,667.51	32,321.92	31,678.64	29,615.20
HFCs	1,523.65	1,985.67	2,549.75	3,191.29	3,901.91	4,635.03	5,400.56	6,106.19	6,855.26	7,512.98
PFCs	1,110.77	1,217.43	1,342.04	1,333.92	1,676.71	1,733.21	1,715.00	1,713.61	1,652.10	1,500.59
SF ₆	404.51	493.43	795.34	739.72	467.56	502.14	465.39	405.87	427.55	435.53
Total (including LULUCF)	520,221.49	525,466.63	523,951.84	520,016.20	542,955.27	540,626.50	536,162.08	524,500.73	537,765.72	504,507.14
Total (excluding LULUCF)	548,049.77	551,301.20	557,228.13	558,402.63	573,727.11	576,989.40	574,433.42	563,668.03	555,367.39	541,177.47

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>	<i>kt CO₂ eq</i>
1. Energy	448,351.29	449,686.56	454,549.15	456,681.34	471,487.67	473,537.90	471,901.71	466,813.42	458,164.58	449,202.26
2. Industrial Processes	34,180.85	36,249.03	38,370.33	38,603.76	40,203.98	42,779.10	42,591.89	38,143.47	38,601.34	35,668.37
3. Solvent and Other Product Use	2,369.20	2,301.35	2,214.05	2,215.38	2,163.07	2,127.79	2,122.86	2,125.72	2,075.05	1,953.73
4. Agriculture	41,000.38	40,135.38	39,202.18	38,501.20	38,339.99	38,034.26	37,362.53	36,767.15	37,379.82	36,015.43
5. Land Use, Land-Use Change and Forestry ^b	-27,828.28	-25,834.57	-33,276.28	-38,386.43	-30,771.85	-36,362.90	-38,271.35	-39,167.30	-17,601.67	-36,670.33
6. Waste	22,148.04	22,928.87	22,892.42	22,400.95	21,532.42	20,510.35	20,454.43	19,818.27	19,146.60	18,337.68
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (including LULUCF)	520,221.49	525,466.63	523,951.84	520,016.20	542,955.27	540,626.50	536,162.08	524,500.73	537,765.72	504,507.14

Note: All footnotes for this table are given on sheet 3.

Emission trends: summary ⁽¹⁾
 (Sheet 3 of 3)

CRF: ITA_CRF__ v2.1

GREENHOUSE GAS EMISSIONS	2009	2010	2011	Change from base to latest reported year
	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	(%)
CO ₂ emissions including net CO ₂ from LULUCF	374,798.92	381,939.57	383,394.43	-9.07
CO ₂ emissions excluding net CO ₂ from LULUCF	415,088.93	425,499.38	414,239.22	-4.70
CH ₄ emissions including CH ₄ from LULUCF	38,282.40	37,452.63	36,756.26	-17.14
CH ₄ emissions excluding CH ₄ from LULUCF	38,013.00	37,290.20	36,567.66	-16.44
N ₂ O emissions including N ₂ O from LULUCF	28,153.54	27,132.14	26,939.29	-28.50
N ₂ O emissions excluding N ₂ O from LULUCF	28,052.98	27,075.62	26,873.17	-28.14
HFCs	8,163.94	8,744.58	9,306.04	2,551.29
PFCs	1,062.81	1,330.83	1,454.54	-41.51
SF ₆	398.02	373.27	351.38	5.54
Total (including LULUCF)	450,859.63	456,973.03	458,201.95	-9.59
Total (excluding LULUCF)	490,779.67	500,313.89	488,792.02	-5.82

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	(%)
1. Energy	405,192.17	415,299.28	404,443.53	-3.18
2. Industrial Processes	30,743.13	31,829.82	31,640.92	-17.58
3. Solvent and Other Product Use	1,829.28	1,676.71	1,656.28	-32.52
4. Agriculture	34,776.85	33,722.59	33,530.43	-17.69
5. Land Use, Land-Use Change and Forestry ^b	-39,920.04	-43,340.86	-30,590.07	151.69
6. Waste	18,238.24	17,785.50	17,520.85	-10.90
7. Other	NA	NA	NA	0.00
Total (including LULUCF)	450,859.63	456,973.03	458,201.95	-9.59

Notes:

(1) Further detailed information could be found in the common reporting format tables of the Party's greenhouse gas inventory, namely "Emission trends (CO₂)", "Emission trends (CH₄)", "Emission trends (N₂O)" and "Emission trends (HFCs, PFCs and SF₆)", which is included in an annex to this biennial report.

(2) 2011 is the latest reported inventory year.

(3) 1 kt CO₂ eq equals 1 Gg CO₂ eq.

Abbreviation: LULUCF = land use, land-use change and forestry.

^a The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

^b Includes net CO₂, CH₄ and N₂O from LULUCF.

Emission trends (CO₂)
(Sheet 1 of 3)

CRF: ITA_CRF_v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	404,072.23	404,004.24	403,166.60	399,823.23	393,701.63	416,988.58	412,954.68	416,863.11	428,077.16
A. Fuel Combustion (Sectoral Approach)	400,728.45	400,736.85	399,952.02	396,440.70	390,472.88	413,810.90	409,917.09	413,617.34	424,956.37
1. Energy Industries	136,502.92	130,586.47	130,325.22	124,848.67	127,316.71	139,841.41	135,043.26	137,027.71	148,064.92
2. Manufacturing Industries and Construction	85,275.97	82,962.46	81,547.47	82,062.29	83,187.62	85,037.31	83,121.67	85,776.21	79,398.27
3. Transport	101,268.85	103,786.58	108,033.55	109,632.46	109,239.86	111,445.03	112,669.95	114,359.93	118,142.99
4. Other Sectors	76,634.39	82,204.76	78,764.85	78,449.21	69,269.50	76,047.16	77,900.09	75,228.73	78,310.91
5. Other	1,046.34	1,196.59	1,280.93	1,448.07	1,459.19	1,439.99	1,182.11	1,224.77	1,039.27
B. Fugitive Emissions from Fuels	3,343.78	3,267.39	3,214.58	3,382.52	3,228.74	3,177.67	3,037.59	3,245.76	3,120.79
1. Solid Fuels	0.12	0.10	0.12	0.06	0.03	0.02	0.02	0.01	0.00
2. Oil and Natural Gas	3,343.66	3,267.28	3,214.46	3,382.46	3,228.71	3,177.65	3,037.57	3,245.75	3,120.79
2. Industrial Processes	28,434.49	27,992.04	28,539.49	25,278.77	24,204.52	26,037.93	23,490.76	23,616.25	23,645.56
A. Mineral Products	21,302.86	21,256.87	22,067.74	19,612.09	19,121.11	20,976.08	19,282.70	19,528.94	19,787.55
B. Chemical Industry	3,253.76	3,110.90	3,048.80	2,115.60	1,650.97	1,659.19	1,250.42	1,358.27	1,337.32
C. Metal Production	3,877.87	3,624.28	3,422.94	3,551.09	3,432.45	3,402.65	2,957.64	2,729.04	2,520.69
D. Other Production	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Production of Halocarbons and SF6									
F. Consumption of Halocarbons and SF6									
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Solvent and Other Product Use	1,642.40	1,628.27	1,630.15	1,576.93	1,503.51	1,463.28	1,404.34	1,414.68	1,331.18
4. Agriculture									
A. Enteric Fermentation									
B. Manure Management									
C. Rice Cultivation									
D. Agricultural Soils									
E. Prescribed Burning of Savannas									
F. Field Burning of Agricultural Residues									
G. Other									
5. Land Use, Land-Use Change and Forestry	-13,035.17	-26,498.18	-25,075.91	-12,072.79	-24,298.18	-30,688.34	-30,693.82	-22,316.24	-19,474.44
A. Forest Land	-17,281.73	-30,072.07	-28,815.52	-17,992.17	-29,045.25	-32,368.84	-31,879.76	-24,088.58	-22,664.20
B. Cropland	-1,112.27	226.84	376.74	420.16	611.61	709.27	-426.65	-389.15	-321.01
C. Grassland	2,842.83	837.09	851.93	2,988.26	1,623.55	-1,542.91	-848.79	-301.29	1,046.74
D. Wetlands	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
E. Settlements	2,515.99	2,509.96	2,510.93	2,510.96	2,511.91	2,514.14	2,461.38	2,462.78	2,464.04
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	507.18	531.86	531.33	491.25	494.32	453.89	453.58	477.66	470.17
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
B. Waste-water Handling									
C. Waste Incineration	507.18	531.86	531.33	491.25	494.32	453.89	453.58	477.66	470.17
D. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CO2 emissions including net CO2 from LULUCF	421,621.13	407,658.24	408,791.66	415,097.38	395,605.80	414,255.34	407,609.55	420,055.46	434,049.64
Total CO2 emissions excluding net CO2 from LULUCF	434,656.30	434,156.41	433,867.57	427,170.18	419,903.98	444,943.68	438,303.36	442,371.70	453,524.08
Memo Items:									
International Bunkers	8,549.97	8,576.11	8,392.37	8,762.20	8,992.41	9,708.35	8,936.90	9,260.17	9,930.35
Aviation	4,160.77	4,993.23	4,940.81	5,082.84	5,353.48	5,673.52	6,081.29	6,200.46	6,737.93
Marine	4,389.20	3,582.88	3,451.56	3,679.36	3,638.93	4,034.83	2,855.61	3,059.71	3,192.42
Multilateral Operations	NE	NE	NE	NE	NE	NE	NE	NE	NE
CO2 Emissions from Biomass	7,134.04	9,428.06	9,154.71	9,261.01	10,038.61	10,120.02	9,686.34	10,796.10	10,387.15

Note: All footnotes for this table are given on sheet 3.

Table 1 (a)

ITA_BR1_v3.0

Emission trends (CO₂)
(Sheet 2 of 3)

CRF: ITA_CRF__v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	433,320.38	436,230.37	441,387.14	443,693.34	458,529.73	460,499.38	459,366.61	454,781.02	446,236.48	437,402.51
A. Fuel Combustion (Sectoral Approach)	430,913.41	433,642.47	438,944.25	441,428.32	455,689.89	458,345.05	457,249.63	452,587.30	444,055.62	435,138.10
1. Energy Industries	145,892.04	151,893.98	154,498.04	161,400.59	161,982.20	159,962.44	159,829.28	160,983.71	160,769.41	156,105.92
2. Manufacturing Industries and Construction	81,263.19	82,245.45	80,543.88	76,727.06	82,314.52	83,113.04	78,551.02	77,490.30	74,221.73	70,904.64
3. Transport	119,687.91	120,100.81	122,177.89	124,138.08	125,097.19	127,081.10	125,824.54	127,145.29	127,209.41	122,272.57
4. Other Sectors	82,959.84	78,596.13	81,370.50	78,849.04	85,635.83	87,097.49	91,847.10	85,986.38	80,958.88	85,117.20
5. Other	1,110.43	806.10	353.94	313.56	660.15	1,090.98	1,197.69	981.61	896.19	737.77
B. Fugitive Emissions from Fuels	2,406.97	2,587.90	2,442.89	2,265.01	2,839.84	2,154.33	2,116.98	2,193.72	2,180.86	2,264.40
1. Solid Fuels	0.00	0.05	0.06	0.07	0.11	0.04	0.04	0.01	0.07	0.05
2. Oil and Natural Gas	2,406.97	2,587.84	2,442.83	2,264.94	2,839.73	2,154.29	2,116.94	2,193.71	2,180.79	2,264.35
2. Industrial Processes	23,775.07	24,570.91	25,391.76	25,380.25	26,542.68	27,404.60	27,186.45	27,205.40	27,710.92	25,092.58
A. Mineral Products	20,595.65	21,455.32	22,329.47	22,392.53	23,310.95	23,896.04	23,480.87	23,536.18	24,027.16	21,729.03
B. Chemical Industry	1,224.53	1,361.64	1,345.67	1,426.49	1,679.37	1,838.90	1,783.68	1,727.00	1,759.05	1,488.19
C. Metal Production	1,954.89	1,753.95	1,716.63	1,561.23	1,552.36	1,669.66	1,921.91	1,942.23	1,924.71	1,875.37
D. Other Production	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA
3. Solvent and Other Product Use	1,335.90	1,274.84	1,282.80	1,286.40	1,290.46	1,282.91	1,299.41	1,317.39	1,287.04	1,226.46
4. Agriculture										
A. Enteric Fermentation										
B. Manure Management										
C. Rice Cultivation										
D. Agricultural Soils										
E. Prescribed Burning of Savannas										
F. Field Burning of Agricultural Residues										
G. Other										
5. Land Use, Land-Use Change and Forestry	-28,145.32	-26,325.89	-33,617.13	-38,585.66	-31,183.99	-36,688.87	-38,514.81	-39,378.59	-18,565.04	-36,967.66
A. Forest Land	-28,114.76	-26,988.94	-33,117.67	-36,981.99	-30,648.10	-35,369.26	-36,387.76	-36,761.62	-20,645.38	-33,541.09
B. Cropland	-275.84	-578.27	-1,179.42	-1,121.67	-1,061.98	-1,000.97	-975.53	-1,047.38	-850.66	-1,048.10
C. Grassland	-2,220.47	-1,227.17	-2,640.17	-3,809.17	-2,807.77	-3,659.67	-4,501.12	-4,932.85	-445.14	-5,794.60
D. Wetlands	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
E. Settlements	2,465.76	2,468.48	3,320.12	3,327.17	3,333.87	3,341.02	3,349.60	3,363.26	3,376.14	3,416.13
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	393.47	201.57	222.26	170.87	196.81	180.11	225.56	238.76	206.76	200.03
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
B. Waste-water Handling										
C. Waste Incineration	393.47	201.57	222.26	170.87	196.81	180.11	225.56	238.76	206.76	200.03
D. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CO2 emissions including net CO2 from LULUCF	430,679.50	435,951.80	434,666.84	431,945.20	455,375.68	452,678.14	449,563.22	444,163.98	456,876.15	426,953.92
Total CO2 emissions excluding net CO2 from LULUCF	458,824.82	462,277.69	468,283.97	470,530.86	486,559.68	489,367.01	488,078.03	483,542.57	475,441.19	463,921.58
Memo Items:										
International Bunkers	10,691.95	12,196.09	12,824.92	12,862.42	14,809.34	15,426.56	16,029.88	17,274.95	18,185.82	18,524.22
Aviation	7,392.96	8,015.50	8,011.06	7,312.69	8,526.80	8,620.09	9,110.86	9,833.14	10,430.30	10,087.15
Marine	3,298.98	4,180.59	4,813.86	5,549.73	6,282.54	6,806.47	6,919.02	7,441.81	7,755.53	8,437.07
Multilateral Operations	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
CO2 Emissions from Biomass	12,305.87	12,261.86	13,450.09	12,923.60	15,016.69	18,194.77	17,425.98	18,251.73	20,259.15	23,167.80

Note: All footnotes for this table are given on sheet 3.

Emission trends (CO₂)
(Sheet 3 of 3)

CRF: ITA_CRF__ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
1. Energy	393,750.39	403,545.84	392,749.60	-2.80
A. Fuel Combustion (Sectoral Approach)	391,580.24	401,223.65	390,434.69	-2.57
1. Energy Industries	131,166.74	132,557.02	130,565.34	-4.35
2. Manufacturing Industries and Construction	54,580.15	60,015.12	59,853.91	-29.81
3. Transport	117,896.84	117,481.25	116,427.71	14.97
4. Other Sectors	87,092.17	90,542.78	83,092.77	8.43
5. Other	844.34	627.48	494.97	-52.70
B. Fugitive Emissions from Fuels	2,170.15	2,322.19	2,314.91	-30.77
1. Solid Fuels	0.03	0.05	0.04	-64.61
2. Oil and Natural Gas	2,170.12	2,322.14	2,314.87	-30.77
2. Industrial Processes	19,950.52	20,681.72	20,175.57	-29.05
A. Mineral Products	17,466.05	17,553.46	16,980.50	-20.29
B. Chemical Industry	1,177.67	1,662.94	1,584.84	-51.29
C. Metal Production	1,306.80	1,465.33	1,610.24	-58.48
D. Other Production	NA	NA	NA	0.00
E. Production of Halocarbons and SF6				
F. Consumption of Halocarbons and SF6				
G. Other	NA	NA	NA	0.00
3. Solvent and Other Product Use	1,145.71	1,050.27	1,079.53	-34.27
4. Agriculture				
A. Enteric Fermentation				
B. Manure Management				
C. Rice Cultivation				
D. Agricultural Soils				
E. Prescribed Burning of Savannas				
F. Field Burning of Agricultural Residues				
G. Other				
5. Land Use, Land-Use Change and Forestry	-40,290.01	-43,559.81	-30,844.79	136.63
A. Forest Land	-36,641.43	-38,247.44	-29,543.91	70.95
B. Cropland	-1,151.23	-1,185.38	3,332.67	-399.63
C. Grassland	-5,929.66	-7,549.23	-8,030.93	-382.50
D. Wetlands	NE, NO	NE, NO	NE, NO	0.00
E. Settlements	3,432.31	3,422.24	3,397.38	35.03
F. Other Land	NO	NO	NO	0.00
G. Other	NA	NA	NA	0.00
6. Waste	242.31	221.55	234.51	-53.76
A. Solid Waste Disposal on Land	NA, NO	NA, NO	NA, NO	0.00
B. Waste-water Handling				
C. Waste Incineration	242.31	221.55	234.51	-53.76
D. Other	NA	NA	NA	0.00
7. Other (as specified in the summary table in CRF)	NA	NA	NA	0.00
Total CO2 emissions including net CO2 from LULUCF	374,798.92	381,939.57	383,394.43	-9.07
Total CO2 emissions excluding net CO2 from LULUCF	415,088.93	425,499.38	414,239.22	-4.70
Memo Items:				
International Bunkers	16,225.87	16,413.96	16,886.52	97.50
Aviation	8,968.33	9,440.35	9,725.54	133.74
Marine	7,257.54	6,973.61	7,160.99	63.15
Multilateral Operations	NE	NE	NE	0.00
CO2 Emissions from Biomass	26,248.80	26,526.65	31,395.60	340.08

Abbreviations: CRF = common reporting format, LULUCF = land use, land-use change and forestry.

^a The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

^b Fill in net emissions/removals as reported in CRF table Summary 1.A of the latest reported inventory year. For the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+).

Table 1(b)

ITA_BR1_v3.0

Emission trends (CH₄)

(Sheet 1 of 3)

CRF: ITA_CRF__ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	430.23	437.40	439.90	435.18	425.69	415.63	407.22	407.46	408.69
A. Fuel Combustion (Sectoral Approach)	76.66	85.79	85.90	86.76	86.36	87.87	84.74	86.71	83.85
1. Energy Industries	9.27	8.93	8.59	8.14	8.39	8.63	8.41	8.60	8.52
2. Manufacturing Industries and Construction	6.82	6.67	6.49	6.62	6.59	7.02	6.48	6.69	6.44
3. Transport	39.15	41.71	43.77	45.27	43.89	43.48	42.79	41.02	39.31
4. Other Sectors	21.25	28.29	26.85	26.52	27.28	28.51	26.87	30.24	29.43
5. Other	0.17	0.19	0.20	0.22	0.21	0.22	0.19	0.17	0.16
B. Fugitive Emissions from Fuels	353.56	351.61	354.01	348.42	339.33	327.76	322.48	320.74	324.84
1. Solid Fuels	6.03	5.55	5.53	4.04	3.47	3.12	2.92	2.87	2.63
2. Oil and Natural Gas	347.54	346.06	348.48	344.38	335.86	324.64	319.56	317.87	322.20
2. Industrial Processes	5.16	4.95	4.83	4.87	5.07	5.36	2.99	3.23	3.10
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	2.45	2.43	2.40	2.28	2.49	2.65	0.60	0.62	0.59
C. Metal Production	2.71	2.51	2.43	2.59	2.58	2.71	2.39	2.61	2.51
D. Other Production									
E. Production of Halocarbons and SF ₆									
F. Consumption of Halocarbons and SF ₆									
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Solvent and Other Product Use									
4. Agriculture	825.23	834.15	812.42	809.54	811.49	824.63	827.67	827.90	821.39
A. Enteric Fermentation	584.69	597.01	578.70	572.58	577.53	587.98	591.74	593.23	589.27
B. Manure Management	164.86	164.82	158.67	158.32	153.34	156.48	156.90	156.26	157.94
C. Rice Cultivation	75.06	71.64	74.39	78.00	79.98	79.56	78.37	77.82	73.50
D. Agricultural Soils	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	0.62	0.68	0.66	0.64	0.64	0.62	0.65	0.59	0.67
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	28.48	16.88	16.43	27.84	22.37	7.57	9.47	15.44	23.22
A. Forest Land	8.70	2.66	3.95	10.01	4.16	1.87	1.79	5.55	6.38
B. Cropland	0.23	0.17	0.15	0.21	0.21	0.07	0.09	0.12	0.20
C. Grassland	19.54	14.05	12.34	17.62	17.99	5.62	7.59	9.77	16.64
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	823.24	869.72	822.03	819.83	845.79	865.61	904.86	929.66	931.47
A. Solid Waste Disposal on Land	726.38	768.40	717.80	712.65	737.49	757.56	795.95	819.36	820.62
B. Waste-water Handling	94.76	98.63	101.80	104.73	105.83	105.62	106.46	107.85	108.27
C. Waste Incineration	2.09	2.68	2.41	2.44	2.45	2.41	2.42	2.41	2.52
D. Other	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.05	0.06
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CH₄ emissions including CH₄ from LULUCF	2,112.33	2,163.10	2,095.61	2,097.25	2,110.40	2,118.79	2,152.21	2,183.68	2,187.87
Total CH₄ emissions excluding CH₄ from LULUCF	2,083.85	2,146.22	2,079.18	2,069.41	2,088.03	2,111.22	2,142.74	2,168.24	2,164.65
Memo Items:									
International Bunkers	0.47	0.39	0.38	0.41	0.41	0.45	0.34	0.37	0.39
Aviation	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08
Marine	0.42	0.34	0.33	0.35	0.35	0.39	0.27	0.29	0.31
Multilateral Operations	NE	NE	NE	NE	NE	NE	NE	NE	NE
CO₂ Emissions from Biomass									

Note: All footnotes for this table are given on sheet 3.

Emission trends (CH₄)
(Sheet 2 of 3)

CRF: ITA_CRF_ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	400.83	384.61	366.65	359.57	353.20	348.59	342.77	316.67	312.82	315.66
A. Fuel Combustion (Sectoral Approach)	85.31	78.73	77.82	72.11	71.95	75.49	71.58	70.96	74.06	74.37
1. Energy Industries	8.26	6.85	5.95	5.92	6.14	6.21	6.34	6.17	5.72	5.65
2. Manufacturing Industries and Construction	6.06	5.72	5.79	5.69	5.83	5.76	6.28	6.24	6.53	6.24
3. Transport	37.01	33.29	31.42	29.02	26.70	23.92	21.72	19.96	18.15	16.88
4. Other Sectors	33.80	32.75	34.58	31.41	33.18	39.47	37.08	38.47	43.56	45.52
5. Other	0.18	0.13	0.09	0.07	0.10	0.14	0.16	0.13	0.11	0.07
B. Fugitive Emissions from Fuels	315.52	305.88	288.84	287.45	281.24	273.10	271.19	245.71	238.75	241.29
1. Solid Fuels	2.52	3.55	3.94	3.82	4.65	3.10	3.33	2.57	4.09	3.52
2. Oil and Natural Gas	313.00	302.32	284.90	283.64	276.59	269.99	267.86	243.14	234.66	237.77
2. Industrial Processes	3.05	3.01	2.83	2.71	2.77	2.91	3.06	3.14	3.08	2.91
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	0.59	0.40	0.33	0.33	0.31	0.33	0.33	0.32	0.34	0.30
C. Metal Production	2.46	2.61	2.50	2.38	2.46	2.58	2.72	2.81	2.75	2.61
D. Other Production										
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA
3. Solvent and Other Product Use										
4. Agriculture	827.96	806.11	769.91	753.51	755.67	743.31	740.44	724.56	746.78	731.28
A. Enteric Fermentation	595.82	583.14	543.96	528.92	530.19	519.41	519.73	509.48	528.51	523.60
B. Manure Management	159.48	156.10	159.19	155.42	154.89	150.14	149.93	144.20	145.43	140.99
C. Rice Cultivation	72.00	66.26	66.19	68.52	70.00	73.04	70.11	70.23	72.18	65.99
D. Agricultural Soils	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	0.66	0.62	0.57	0.64	0.59	0.72	0.67	0.65	0.66	0.69
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	10.01	16.54	11.10	6.04	13.60	10.30	7.62	6.62	34.39	10.11
A. Forest Land	3.54	5.03	3.30	1.84	3.86	2.28	2.29	1.82	11.71	2.75
B. Cropland	0.08	0.13	0.09	0.05	0.11	0.09	0.06	0.06	0.26	0.09
C. Grassland	6.40	11.38	7.71	4.15	9.63	7.93	5.26	4.74	22.41	7.27
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	943.44	989.29	988.99	968.06	925.85	875.91	871.21	840.30	809.35	768.80
A. Solid Waste Disposal on Land	832.10	874.15	869.64	844.96	800.29	746.31	738.78	707.20	675.89	636.40
B. Waste-water Handling	108.66	112.73	116.97	120.53	123.05	126.55	129.67	130.40	130.77	129.62
C. Waste Incineration	2.60	2.32	2.26	2.41	2.33	2.87	2.56	2.48	2.47	2.57
D. Other	0.08	0.10	0.12	0.16	0.18	0.18	0.20	0.21	0.22	0.21
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CH4 emissions including CH4 from LULUCF	2,185.29	2,199.58	2,139.48	2,089.88	2,051.08	1,981.02	1,965.09	1,891.28	1,906.42	1,828.75
Total CH4 emissions excluding CH4 from LULUCF	2,175.28	2,183.04	2,128.38	2,083.84	2,037.48	1,970.72	1,957.47	1,884.66	1,872.03	1,818.65
Memo Items:										
International Bunkers	0.41	0.51	0.58	0.65	0.74	0.80	0.83	0.88	0.87	0.93
Aviation	0.09	0.11	0.12	0.12	0.14	0.15	0.17	0.17	0.13	0.12
Marine	0.32	0.40	0.46	0.53	0.60	0.65	0.66	0.71	0.74	0.81
Multilateral Operations	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
CO2 Emissions from Biomass										

Note: All footnotes for this table are given on sheet 3.

Emission trends (CH₄)

(Sheet 3 of 3)

CRF: ITA_CRF__ v2.1

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
1. Energy	309.77	323.62	321.32	-25.31
A. Fuel Combustion (Sectoral Approach)	73.80	76.78	79.45	3.63
1. Energy Industries	5.19	5.02	5.59	-39.71
2. Manufacturing Industries and Construction	4.18	5.51	7.75	13.63
3. Transport	15.98	14.86	14.01	-64.21
4. Other Sectors	48.38	51.33	52.05	144.91
5. Other	0.07	0.06	0.05	-69.93
B. Fugitive Emissions from Fuels	235.97	246.83	241.87	-31.59
1. Solid Fuels	2.17	3.16	3.40	-43.55
2. Oil and Natural Gas	233.81	243.67	238.47	-31.38
2. Industrial Processes	1.82	2.50	2.76	-46.42
A. Mineral Products	NA	NA	NA	0.00
B. Chemical Industry	0.28	0.33	0.30	-87.86
C. Metal Production	1.54	2.17	2.47	-8.92
D. Other Production				
E. Production of Halocarbons and SF ₆				
F. Consumption of Halocarbons and SF ₆				
G. Other	NA	NA	NA	0.00
3. Solvent and Other Product Use				
4. Agriculture	736.09	708.47	687.55	-16.68
A. Enteric Fermentation	524.14	511.05	512.44	-12.36
B. Manure Management	136.79	122.25	100.67	-38.93
C. Rice Cultivation	74.51	74.54	73.80	-1.68
D. Agricultural Soils	NA	NA	NA	0.00
E. Prescribed Burning of Savannas	NO	NO	NO	0.00
F. Field Burning of Agricultural Residues	0.65	0.64	0.64	1.92
G. Other	NA	NA	NA	0.00
5. Land Use, Land-Use Change and Forestry	12.83	7.74	8.98	-68.46
A. Forest Land	3.27	2.06	3.04	-65.04
B. Cropland	0.09	0.05	0.10	-54.65
C. Grassland	9.47	5.62	5.83	-70.15
D. Wetlands	NO	NO	NO	0.00
E. Settlements	NO	NO	NO	0.00
F. Other Land	NO	NO	NO	0.00
G. Other	NA	NA	NA	0.00
6. Waste	762.46	741.13	729.69	-11.36
A. Solid Waste Disposal on Land	630.32	607.95	596.82	-17.84
B. Waste-water Handling	129.43	130.51	130.19	37.39
C. Waste Incineration	2.50	2.43	2.42	15.76
D. Other	0.21	0.25	0.26	2,337.84
7. Other (as specified in the summary table in CRF)	NA	NA	NA	0.00
Total CH₄ emissions including CH₄ from LULUCF	1,822.97	1,783.46	1,750.30	-17.14
Total CH₄ emissions excluding CH₄ from LULUCF	1,810.14	1,775.72	1,741.32	-16.44
Memo Items:				
International Bunkers	0.81	0.78	0.80	72.58
Aviation	0.12	0.12	0.12	158.97
Marine	0.69	0.67	0.68	62.99
Multilateral Operations	NE	NE	NE	0.00
CO₂ Emissions from Biomass				

Abbreviations : CRF = common reporting format, LULUCF = land use, land-use change and fores

^a The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

Emission trends (N₂O)
(Sheet 1 of 3)

CRF: ITA_CRF__v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	14.93	15.11	15.33	15.38	15.90	17.40	18.43	19.48	20.39
A. Fuel Combustion (Sectoral Approach)	14.89	15.07	15.29	15.34	15.86	17.36	18.39	19.44	20.35
1. Energy Industries	1.67	1.58	1.55	1.47	1.49	1.67	1.61	1.61	1.64
2. Manufacturing Industries and Construction	4.93	4.89	4.90	4.51	4.47	4.52	4.42	4.47	4.49
3. Transport	3.27	3.41	3.65	3.84	4.56	5.62	6.85	7.79	8.63
4. Other Sectors	4.80	4.96	4.96	5.24	5.09	5.34	5.33	5.35	5.41
5. Other	0.23	0.24	0.24	0.28	0.25	0.21	0.18	0.21	0.17
B. Fugitive Emissions from Fuels	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
1. Solid Fuels	NA	NA	NA	NA	NA	NA	NA	NA	NA
2. Oil and Natural Gas	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
2. Industrial Processes	21.54	22.81	21.11	21.65	20.36	23.35	22.66	22.78	23.06
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	21.54	22.81	21.11	21.65	20.36	23.35	22.66	22.78	23.06
C. Metal Production	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Other Production									
E. Production of Halocarbons and SF ₆									
F. Consumption of Halocarbons and SF ₆									
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
3. Solvent and Other Product Use	2.62	2.47	2.46	2.50	2.46	2.49	2.96	2.96	3.40
4. Agriculture	75.51	77.43	77.23	78.38	76.63	74.85	73.96	77.33	75.36
A. Enteric Fermentation									
B. Manure Management	12.65	12.63	12.09	11.98	11.93	12.20	12.34	12.44	12.70
C. Rice Cultivation									
D. Agricultural Soils	62.85	64.79	65.12	66.39	64.68	62.64	61.61	64.87	62.65
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.91	0.74	0.68	0.86	0.87	0.47	0.50	0.53	0.71
A. Forest Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Cropland	0.30	0.30	0.30	0.30	0.30	0.30	0.26	0.22	0.18
C. Grassland	0.61	0.44	0.39	0.55	0.57	0.18	0.24	0.31	0.52
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	6.03	6.12	6.06	5.90	5.91	5.85	6.00	5.98	6.14
A. Solid Waste Disposal on Land									
B. Waste-water Handling	5.91	5.98	5.92	5.78	5.78	5.73	5.89	5.85	6.02
C. Waste Incineration	0.13	0.15	0.14	0.13	0.13	0.12	0.12	0.12	0.12
D. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total N₂O emissions including N₂O from LULUCF	121.55	124.69	122.87	124.67	122.13	124.42	124.51	129.05	129.06
Total N₂O emissions excluding N₂O from LULUCF	120.63	123.95	122.19	123.81	121.26	123.94	124.01	128.52	128.35
Memo Items:									
International Bunkers	0.23	0.21	0.22	0.24	0.24	0.26	0.25	0.27	0.29
Aviation	0.12	0.12	0.13	0.14	0.15	0.16	0.18	0.19	0.21
Marine	0.11	0.09	0.09	0.09	0.09	0.10	0.07	0.08	0.08
Multilateral Operations	NE	NE	NE	NE	NE	NE	NE	NE	NE
CO₂ Emissions from Biomass									

Note: All footnotes for this table are given on sheet 3.

Emission trends (N₂O)
(Sheet 2 of 3)

CRF: ITA_CRF_ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	21.33	17.35	17.62	17.54	17.87	18.45	17.22	17.36	17.29	16.68
A. Fuel Combustion (Sectoral Approach)	21.29	17.31	17.58	17.50	17.83	18.40	17.17	17.32	17.24	16.64
1. Energy Industries	1.58	1.67	1.75	1.82	1.84	1.91	1.90	1.89	1.87	1.88
2. Manufacturing Industries and Construction	4.51	4.66	4.74	4.77	4.93	5.03	5.02	5.05	4.98	4.64
3. Transport	9.41	5.30	5.29	5.28	5.06	5.03	3.81	4.06	4.02	3.71
4. Other Sectors	5.65	5.55	5.77	5.61	5.87	6.16	6.15	6.08	6.15	6.22
5. Other	0.14	0.14	0.03	0.02	0.13	0.28	0.29	0.24	0.23	0.20
B. Fugitive Emissions from Fuels	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
1. Solid Fuels	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2. Oil and Natural Gas	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
2. Industrial Processes	23.56	25.54	26.55	25.49	24.38	27.24	25.03	8.54	6.10	3.44
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	23.56	25.54	26.55	25.49	24.38	27.24	25.03	8.54	6.10	3.44
C. Metal Production	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Other Production										
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA
3. Solvent and Other Product Use	3.33	3.31	3.00	3.00	2.81	2.73	2.66	2.61	2.54	2.35
4. Agriculture	76.17	74.86	74.30	73.15	72.49	72.34	70.37	69.52	69.99	66.64
A. Enteric Fermentation										
B. Manure Management	12.89	12.46	12.91	12.42	12.33	11.98	11.96	11.61	12.19	12.18
C. Rice Cultivation										
D. Agricultural Soils	63.27	62.39	61.38	60.72	60.15	60.34	58.39	57.89	57.79	54.45
E. Prescribed Burning of Savannas	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Field Burning of Agricultural Residues	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	0.34	0.46	0.35	0.23	0.41	0.35	0.27	0.23	0.78	0.27
A. Forest Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B. Cropland	0.14	0.11	0.10	0.10	0.10	0.10	0.10	0.08	0.07	0.05
C. Grassland	0.20	0.36	0.24	0.13	0.30	0.25	0.17	0.15	0.70	0.23
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. Other Land	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Waste	6.27	6.30	6.13	6.13	6.11	6.25	6.24	6.24	6.27	6.43
A. Solid Waste Disposal on Land										
B. Waste-water Handling	6.15	6.21	6.04	6.05	6.02	6.15	6.15	6.15	6.18	6.34
C. Waste Incineration	0.12	0.09	0.09	0.08	0.08	0.09	0.09	0.09	0.09	0.08
D. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total N2O emissions including N2O from LULUCF	131.01	127.83	127.96	125.54	124.07	127.34	121.78	104.50	102.97	95.81
Total N2O emissions excluding N2O from LULUCF	130.66	127.37	127.62	125.31	123.66	126.99	121.51	104.26	102.19	95.53
Memo Items:										
International Bunkers	0.31	0.35	0.36	0.35	0.37	0.38	0.39	0.41	0.44	0.45
Aviation	0.23	0.25	0.24	0.21	0.21	0.21	0.21	0.22	0.24	0.24
Marine	0.08	0.11	0.12	0.14	0.16	0.17	0.18	0.19	0.20	0.21
Multilateral Operations	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
CO2 Emissions from Biomass										

Note: All footnotes for this table are given on sheet 3.

Emission trends (N₂O)

(Sheet 3 of 3)

CRF: ITA_CRF__ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
1. Energy	15.92	15.99	15.96	6.85
A. Fuel Combustion (Sectoral Approach)	15.89	15.95	15.92	6.88
1. Energy Industries	1.68	1.68	1.77	6.12
2. Manufacturing Industries and Construction	3.98	4.01	3.98	-19.25
3. Transport	3.57	3.61	3.64	11.32
4. Other Sectors	6.42	6.53	6.43	33.92
5. Other	0.24	0.13	0.10	-56.24
B. Fugitive Emissions from Fuels	0.04	0.04	0.04	-4.67
1. Solid Fuels	NA	NA	NA	0.00
2. Oil and Natural Gas	0.04	0.04	0.04	-4.67
2. Industrial Processes	3.64	2.09	0.95	-95.58
A. Mineral Products	NA	NA	NA	0.00
B. Chemical Industry	3.64	2.09	0.95	-95.58
C. Metal Production	NA	NA	NA	0.00
D. Other Production				
E. Production of Halocarbons and SF ₆				
F. Consumption of Halocarbons and SF ₆				
G. Other	NA	NA	NA	0.00
3. Solvent and Other Product Use	2.21	2.02	1.86	-28.99
4. Agriculture	62.32	60.79	61.59	-18.44
A. Enteric Fermentation				
B. Manure Management	12.30	11.94	11.99	-5.24
C. Rice Cultivation				
D. Agricultural Soils	50.01	48.84	49.59	-21.10
E. Prescribed Burning of Savannas	NO	NO	NO	0.00
F. Field Burning of Agricultural Residues	0.01	0.01	0.01	6.99
G. Other	NA	NA	NA	0.00
5. Land Use, Land-Use Change and Forestry	0.32	0.18	0.21	-76.67
A. Forest Land	0.00	0.00	0.00	-65.04
B. Cropland	0.03	0.00	0.03	-90.24
C. Grassland	0.30	0.18	0.18	-70.15
D. Wetlands	NO	NO	NO	0.00
E. Settlements	NO	NO	NO	0.00
F. Other Land	NO	NO	NO	0.00
G. Other	NA	NA	NA	0.00
6. Waste	6.40	6.45	6.33	4.98
A. Solid Waste Disposal on Land				
B. Waste-water Handling	6.32	6.37	6.25	5.78
C. Waste Incineration	0.08	0.08	0.08	-32.54
D. Other	NA	NA	NA	0.00
7. Other (as specified in the summary table in CRF)	NA	NA	NA	0.00
Total N₂O emissions including N₂O from LULUCF	90.82	87.52	86.90	-28.50
Total N₂O emissions excluding N₂O from LULUCF	90.49	87.34	86.69	-28.14
Memo Items:				
International Bunkers	0.41	0.40	0.41	77.77
Aviation	0.22	0.23	0.23	91.57
Marine	0.18	0.18	0.18	62.99
Multilateral Operations	NE	NE	NE	0.00
CO₂ Emissions from Biomass				

Abbreviations : CRF = common reporting format, LULUCF = land use, land-use change and fores

^a The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

Table 1(d)

ITA_BR1_v3.0

Emission trends (HFCs, PFCs and SF₆)

(Sheet 1 of 3)

CRF: ITA_CRF__ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
Emissions of HFCsc - (kt CO₂ eq)	351.00	355.43	358.78	355.42	481.90	671.29	450.33	755.74	1,181.72
HFC-23	0.03	0.03	0.03	0.03	0.03	0.03	0.00	0.00	0.00
HFC-32	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00	0.02
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-43-10mee	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-125	NA, NO	0.00	0.00	0.00	0.00	0.01	0.01	0.04	0.05
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-134a	NA, NO	0.00	0.00	0.00	0.10	0.20	0.29	0.43	0.68
HFC-152a	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143a	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.01	0.01	0.02	0.03
HFC-227ea	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00
HFC-236fa	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed HFCsd - (kt CO ₂ eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Emissions of PFCsc - (kt CO₂ eq)	2,486.74	2,149.93	1,567.24	1,444.45	1,233.11	1,266.38	1,038.26	1,066.25	1,103.90
CF ₄	0.32	0.28	0.21	0.20	0.17	0.17	0.15	0.15	0.16
C ₂ F ₆	0.05	0.04	0.02	0.02	0.01	0.01	0.01	0.01	0.01
C 3F8	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₄ F ₁₀	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
c-C ₄ F ₈	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00
C ₅ F ₁₂	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₆ F ₁₄	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed PFCs(4) - (Gg CO ₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Emissions of SF₆(3) - (Gg CO₂ equivalent)	332.92	356.39	358.26	370.40	415.66	601.45	682.56	728.64	604.81
SF ₆	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.03

Note: All footnotes for this table are given on sheet 3.

Table 1(d)

ITA_BR1_v3.0

Emission trends (HFCs, PFCs and SF₆)

(Sheet 2 of 3)

CRF: ITA_CRF__ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
Emissions of HFCsc - (kt CO₂ eq)	1,523.65	1,985.67	2,549.75	3,191.29	3,901.91	4,635.03	5,400.56	6,106.19	6,855.26	7,512.98
HFC-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-32	0.05	0.08	0.12	0.17	0.23	0.29	0.36	0.43	0.49	0.55
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-43-10mee	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-125	0.08	0.13	0.20	0.28	0.38	0.48	0.59	0.69	0.79	0.89
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-134a	0.85	1.01	1.19	1.31	1.50	1.67	1.83	1.96	2.14	2.26
HFC-152a	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143a	0.03	0.06	0.08	0.11	0.15	0.19	0.24	0.28	0.32	0.36
HFC-227ea	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.05
HFC-236fa	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed HFCsd - (kt CO ₂ eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Emissions of PFCsc - (kt CO₂ eq)	1,110.77	1,217.43	1,342.04	1,333.92	1,676.71	1,733.21	1,715.00	1,713.61	1,652.10	1,500.59
CF ₄	0.16	0.17	0.18	0.18	0.23	0.25	0.25	0.25	0.25	0.22
C ₂ F ₆	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
C 3F8	NA, NO	NA, NO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C ₄ F ₁₀	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
c-C ₄ F ₈	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C ₃ F ₁₂	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₆ F ₁₄	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed PFCs(4) - (Gg CO ₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Emissions of SF₆(3) - (Gg CO₂ equivalent)	404.51	493.43	795.34	739.72	467.56	502.14	465.39	405.87	427.55	435.53
SF ₆	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02

Note: All footnotes for this table are given on sheet 3.

Emission trends (HFCs, PFCs and SF₆)
(Sheet 3 of 3)

CRF: ITA_CRF__ v2.1

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
Emissions of HFCsc - (kt CO₂ eq)	8,163.94	8,744.58	9,306.04	2,551.29
HFC-23	0.00	0.00	0.00	-89.75
HFC-32	0.60	0.66	0.71	100.00
HFC-41	NA, NO	NA, NO	NA, NO	0.00
HFC-43-10mee	NA, NO	NA, NO	NA, NO	0.00
HFC-125	0.98	1.08	1.17	100.00
HFC-134	NA, NO	NA, NO	NA, NO	0.00
HFC-134a	2.39	2.46	2.52	100.00
HFC-152a	NA, NO	NA, NO	NA, NO	0.00
HFC-143	NA, NO	NA, NO	NA, NO	0.00
HFC-143a	0.40	0.44	0.48	100.00
HFC-227ea	0.05	0.06	0.06	100.00
HFC-236fa	NA, NO	NA, NO	NA, NO	0.00
HFC-245ca	NA, NO	NA, NO	NA, NO	0.00
Unspecified mix of listed HFCsd - (kt CO ₂ eq)	NA, NO	NA, NO	NA, NO	0.00
Emissions of PFCsc - (kt CO₂ eq)	1,062.81	1,330.83	1,454.54	-41.51
CF ₄	0.16	0.20	0.22	-32.25
C ₂ F ₆	0.00	0.00	0.00	-91.66
C ₃ F ₈	0.00	0.00	0.00	100.00
C ₄ F ₁₀	NA, NO	NA, NO	NA, NO	0.00
c-C ₄ F ₈	0.00	0.00	0.00	100.00
C ₅ F ₁₂	NA, NO	NA, NO	NA, NO	0.00
C ₆ F ₁₄	NA, NO	NA, NO	NA, NO	0.00
Unspecified mix of listed PFCs(4) - (Gg CO ₂ equivalent)	NA, NO	NA, NO	NA, NO	0.00
Emissions of SF₆(3) - (Gg CO₂ equivalent)	398.02	373.27	351.38	5.54
SF ₆	0.02	0.02	0.01	5.54

Abbreviations : CRF = common reporting format, LULUCF = land use, land-use change and forestry.

^a The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

^cEnter actual emissions estimates. If only potential emissions estimates are available, these should be reported in this table and an indication for this be provided in the documentation box. Only in these rows are the emissions expressed as CO₂ equivalent emissions.

^dIn accordance with the "Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part I: UNFCCC reporting guidelines on annual inventories", HFC and PFC emissions should be reported for each relevant chemical. However, if it is not possible to report values for each chemical (i.e. mixtures, confidential data, lack of disaggregation), this row could be used for reporting aggregate figures for HFCs and PFCs, respectively. Note that the unit used for this row is kt of CO₂ equivalent and that appropriate notation keys should be entered in the cells for the individual chemicals.)

Table 2(a)

ITA_BR1_v3.0

Description of quantified economy-wide emission reduction target: base year^a

<i>Party</i>	<i>Italy</i>	
Base year /base period	1990	
Emission reduction target	% of base year/base period	% of 1990 ^b
	20.00	
Period for reaching target	BY-2020	

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Optional.

Description of quantified economy-wide emission reduction target: gases and sectors covered^a

<i>Gases covered</i>		<i>Base year for each gas (year):</i>
CO ₂		1990
CH ₄		1990
N ₂ O		1990
HFCs		1990
PFCs		1990
SF ₆		1990
NF ₃		1995/2000
Other Gases (specify)		
Sectors covered ^b	Energy	Yes
	Transport ^f	Yes
	Industrial processes ^g	Yes
	Agriculture	Yes
	LULUCF	No
	Waste	Yes
	Other Sectors (specify)	

Abbreviations : LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b More than one selection will be allowed. If Parties use sectors other than those indicated above, the explanation of how these sectors relate to the sectors defined by the IPCC should be provided.

^f Transport is reported as a subsector of the energy sector.

^g Industrial processes refer to the industrial processes and solvent and other product use sectors.

Description of quantified economy-wide emission reduction target: global warming potential values (GWP)^a

<i>Gases</i>	<i>GWP values^b</i>
CO ₂	4nd AR
CH ₄	4nd AR
N ₂ O	4nd AR
HFCs	4nd AR
PFCs	4nd AR
SF ₆	4nd AR
NF ₃	4nd AR
Other Gases (specify)	

Abbreviations : GWP = global warming potential

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Please specify the reference for the GWP: Second Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) or the Fourth Assessment Report of the IPCC.

Description of quantified economy-wide emission reduction target: approach to counting emissions and removals from the LULUCF sector^a

Role of LULUCF	LULUCF in base year level and target	Excluded
	Contribution of LULUCF is calculated using	

Abbreviation : LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudge the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

Description of quantified economy-wide emission reduction target: market-based mechanisms under the Convention^a

<i>Market-based mechanisms under the Convention</i>	<i>Possible scale of contributions (estimated kt CO₂ eq)</i>
CERs	
ERUs	
AAUs ⁱ	
Carry-over units ^j	
Other mechanism units under the Convention (specify) ^d	

Abbreviations : AAU = assigned amount unit, CER = certified emission reduction, ERU = emission reduction unit.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^d As indicated in paragraph 5(e) of the guidelines contained in annex I of decision 2/CP.17 .

ⁱ AAUs issued to or purchased by a Party.

^j Units carried over from the first to the second commitment periods of the Kyoto Protocol, as described in decision 13/CMP.1 and consistent with decision 1/CMP.8.

Description of quantified economy-wide emission reduction target: other market-based mechanisms^a

<i>Other market-based mechanisms</i>	<i>Possible scale of contributions</i>
<i>(Specify)</i>	<i>(estimated kt CO₂ eq)</i>

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudge the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

Description of quantified economy-wide emission reduction target: any other information^{a,b}

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^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b This information could include information on the domestic legal status of the target or the total assigned amount of emission units for the period for reaching a target. Some of this information is presented in the narrative part of the biennial report.

Custom Footnotes

Table 3

Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)	
Third "Conto Energia" (art.3 paragraph 1, decree 6 august 2010) and Fourth "Conto Energia" (Decree 5 may 2011)	Energy	CO ₂	Supporting the expansion of photovoltaic plants through feed in tariffs until a maximum capacity of 8000 MW	Economic	Implemented	Paragraph 4.4.1 of the NC	2010	National government		2,300.00
Third "Conto Energia" : photovoltaic (art.3 paragraph 2, decree 6 august 2010)	Energy	CO ₂	Supporting the expansion of photovoltaic plants through feed in tariffs until a maximum capacity of 3000 MW	Economic	Implemented	Paragraph 4.4.1 of the NC	2010	National government		900.00
Green Certificate - budget law 2008	Energy	CO ₂	Green Certificate increased every year by 0,75% for 2007 - 2012 and establish "omnicomprensiva" rate for plants	Economic	Implemented	Paragraph 4.4.1 of the NC	2008	Regulatory Authority		4,000.00
European regional development fund (ERDF), National Strategic Framework 2008-2013 - RES	Energy	CO ₂	Supporting system for RES whit Regional operative program (POR) and Interregional operative program (POIN)	Economic	Implemented	Paragraph 4.3.8 of the NC	2008	Local government		1,400.00
White certificates - decree december 2007 - Industry	Energy, Industry/industrial processes	CO ₂	Supporting electric energy saving for the period 2008-2012	Economic	Implemented	Paragraph 4.3.4 of the NC	2008	Regulatory Authority		2,020.00
Legislative decree 201/07 (trasposition of directive 2005/32/EC) - Industry	Energy, Industry/industrial processes	CO ₂	Installation of highly efficient electric motors and inverters through minimum mandatory standards	Economic	Implemented	Paragraph 4.4.5 of the NC	2008	National government		1,920.00
White certificates - decree december 2007 - CHP	Energy	CO ₂	Supporting CHP and district heating plants for 2008-2012	Economic	Implemented	Paragraph 4.3.4 of the NC	2008	Regulatory Authority		970.00

Table 3

Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)	
European regional development fund (ERDF), National Strategic Framework 2008-2013 - Electric energy saving	Energy, Industry/industrial processes	CO ₂	Supporting electric energy saving with POR and POIN	Economic	Implemented	Paragraph 4.3.8 of the NC	2008	Local government		660.00
Nitric acid	Industry/industrial processes	N ₂ O	Reduction of N ₂ O emissions in nitric acid production plants	Other (Implementation of Best Available Technology)	Implemented	Paragraph 4.5.1 of the NC	2008 - 2010	Companies / businesses / industrial associations		740.00
Building Regulation (Legislative decree 192/05 as amended by legislative decree 311/06)	Energy	CO ₂	Minimum mandatory standards on new and existing buildings (Energy Efficiency)	Regulatory	Implemented	Paragraph 4.4.5 of the NC	2010	Local government		3,610.00
Budget law 2007 and budget law 2008	Energy	CO ₂	Supporting of energy saving in existing buildings through tax deduction of 55%.	Fiscal	Implemented	Paragraph 4.4.5 of the NC	2008 - 2009	National government		610.00
Budget law 2009	Energy	CO ₂	Supporting of energy saving in existing buildings through tax deduction of 55%	Fiscal	Implemented	Paragraph 4.4.5 of the NC	2010	National government		440.00
White certificates - decree december 2007 - Commercial	Energy	CO ₂	Supporting of energy saving 2008-2012 (Energy Efficiency)	Economic	Implemented	Paragraph 4.3.4 of the NC	2008	Regulatory Authority		3,120.00
Legislative decree 201/07 (transposition of directive 2005/32/EC) - Residential	Energy	CO ₂	First regulation on mandatory energy efficiency standards for energy-using products	Regulatory	Implemented	Paragraph 4.4.5 of the NC	2008	Local government		2,600.00
National Strategic Framework 2007-2013 - ERDF - CHP	Energy	CO ₂	Supporting CHP and energy savings with POR and POIN	Economic	Implemented	Paragraph 4.3.8 of the NC	2007	Regulatory Authority		240.00
National Strategic Framework 2007-2013 - ERDF - Residential energy saving	Energy	CO ₂	Supporting electric energy saving with POR and POIN	Economic	Implemented	Paragraph 4.3.8 of the NC	2007	National government		420.00

Table 3

Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)	
Infrastructural measures	Transport	CO ₂	High Capacity and High Speed road. Regional networks for passengers and freight, subway	Other (Planning)	Implemented	Paragraph 4.4.6 of the NC	2007	National government		5,700.00
National Strategic Framework 2007-2013 - FESR	Transport	CO ₂	Intermodal infrastructure projects: metropolitan railways	Other (Planning)	Implemented	Paragraph 4.4.6 of the NC	2007	Local government		1,280.00
Emission standard for new cars (Regulation (EC) No 443/2009)	Transport	CO ₂	Fleet update at 120 g CO ₂ /km in 2015 and 95 g CO ₂ /km in 2020	Regulatory	Implemented	Paragraph 4.4.6 of the NC	2010	Regional entities		10,200.00
Legislative decree 128/05(trasposition of directive 2003/30/EC)	Transport	CO ₂	Mandatory use biofuels (target 4.5% to 2012)	Regulatory	Implemented	Paragraph 4.4.6 of the NC	2007	National government		1,490.00
Legislative Decree 28/2011 (transposition of directive 2009/28/EC)	Transport	CO ₂	Mandatory use biofuels (target 10% to 2020)	Regulatory	Implemented	Paragraph 4.4.6 of the NC	2013	National government		1,580.00
Nitrogen fertiliser	Agriculture	N ₂ O	Rationalisation in the use of nitrogen fertiliser	Regulatory	Implemented	Paragraph 4.5.2 of the NC	2010	Local government		790.00
Animal storage	Agriculture	CH ₄	Recovery of biogas from animal storage system	Regulatory	Implemented	Paragraph 4.5.2 of the NC	2010	Local government		400.00
Separate collection of waste	Waste management/waste	CH ₄	Compliance with separate collection targets and reduction of biodegradable waste disposed into landfills	Regulatory	Implemented	Paragraph 4.5.3 of the NC	2008	Local government		3,700.00
National Action Plan for Renewable Energy 2010	Energy	CO ₂	Measures under the NAP - RES 2010 reducing energy losses through the modernization of the national electricity transmission grid and of the distribution grid	Other (Planning)	Planned	Paragraph 4.3.1 of the NC	2014	Regulatory Authority		990.00

Table 3

Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)	
National Action Plan for Renewable Energy 2010 - Legislative decree 28/2001 - Kyoto fund	Energy	CO ₂	Measures to achieve the 2020 target provided by the NAP 2010 and further incentives for the implementation of the Decree. 28/2011 to reach the 110 TWh target from renewable sources, including the development of smart grid. Supporting small interventions for renewable energy with capital loans at subsidized interest rate.	Economic	Planned	Paragraph 4.3.1 and 4.3.5 of the NC	2014	National government		6,320.00
New measure of promoting and supporting RES-E	Energy, Industry/industrial processes	CO ₂	Measures to be determined after the achievement of 130 TWh renewable electricity target, as indicated in the "National Energy Strategy" report		Planned	Paragraph 4.4.1 of the NC	2014	National government		10,000.00
National Action Plan for Renewable Energy 2010 and National Action Plan for Energy Efficiency 2011	Energy, Industry/industrial processes	CO ₂	Measures for the promotion of thermal energy from renewable sources and incentives to small-scale interventions to increase the production of thermal energy from renewable sources	Economic	Planned	Paragraph 4.3.1 and 4.3.4 of the NC	2014	National government		10,600.00
National Action Plan for Energy Efficiency 2011 - 2006/32 Directive - White certificates 2012 - 2016	Energy, Industry/industrial processes	CO ₂	Further extend of energy saving targets (White certificates 2012-2016)	Economic	Planned	Paragraph 4.3.4 of the NC	2013	Regulatory Authority		3,500.00

Table 3

Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)	
National Action Plan for Renewable Energy 2010 and National Action Plan for Energy Efficiency 2011 - White certificates 2016 - 2020 - Office equipment	Energy, Industry/industrial processes	CO ₂	Promoting energy efficiency in implementing the actions foreseen in the NAP 2010 (efficient lighting systems, ICT systems, replacement of electric heating systems) for the period 2016-2020.	Economic	Planned	Paragraph 4.3.1 and 4.3.4 of the NC	2016	Regulatory Authority		3,580.00
National Action Plan for Energy Efficiency 2011 - 2006/32 Directive - Supporting of High efficiency CHP (09/05/2011 Law) with white certificates - Kyoto fund - industry	Energy, Industry/industrial processes	CO ₂	Promotion of cogeneration and trigeneration - industry	Economic	Planned	Paragraph 4.3.4 and 4.3.5 of the NC	2013	National government		2,260.00
National Action Plan for Renewable Energy 2010 and National Action Plan for Energy Efficiency 2011 - White certificates 2016 - 2020 - industry	Energy, Industry/industrial processes	CO ₂	Further use up to 2020 of the white certificate system to promote measures of mechanical vapor compression, energy saving in the chemical industry, glass, paper and heat recovery in industrial energy intensive processes	Economic	Planned	Paragraph 4.3.1 and 4.3.4 of the NC	2016	Regulatory Authority		3,690.00
Reformulation of energy taxation - industry	Energy, Industry/industrial processes	CO ₂	Remodulation of excise duty to promote low carbon content fuels in industrial sector	Fiscal	Planned		2015	National government		1,500.00
Legislative decree 28/2011	Energy, Industry/industrial processes	CO ₂	Promotion of renewable thermal energy use in industry	Economic	Planned	Paragraph 4.3.1 of the NC	2014	National government		1,640.00

Table 3

Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)	
Legislative decree 28/2011	Energy	CO ₂	Promoting energy saving in the civil sector (public, domestic, tertiary): insulation, replacement windows and boilers, installation of heat pumps and solar thermal panels	Economic	Planned	Paragraph 4.3.1 of the NC	2014	National government		4,690.00
National Action Plan for Energy Efficiency 2011 - White certificates 2012 - 2016	Energy	CO ₂	Promoting energy saving	Economic	Planned	Paragraph 4.3.4 of the NC	2014	National government		1,230.00
National Action Plan for Renewable Energy 2010 and National Action Plan for Energy Efficiency 2011 - White certificates 2016 - 2020	Energy	CO ₂	Promoting energy saving	Economic	Planned	Paragraph 4.3.1 and 4.3.4 of the NC	2014	National government		2,530.00
National Action Plan for Energy Efficiency 2011 - 2006/32 Directive - Supporting of High efficiency CHP (09/05/2011 Law) with white certificates 2012-2016 - Kyoto fund - Tertiary	Energy	CO ₂	Promotion of cogeneration and trigeneration in tertiary sector	Economic	Planned	Paragraph 4.3.4 and 4.3.5 of the NC	2014	National government		1,490.00
Directive 2010/31/EC - New standards of efficiency in buildings	Energy	CO ₂	Further reduction of energy consumption in buildings and promotion of renewable energy in the building and incentive mechanism through the tax deduction	Fiscal	Planned	Paragraph 4.4.5 of the NC	2013	National government		4,000.00
Extension from 2013 to 2020 of tax deduction of 55%	Energy	CO ₂	Energy saving in existing buildings	Fiscal	Planned	Paragraph 4.4.5 of the NC	2013	National government		1,150.00

Table 3

Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)	
Reformulation of energy taxation - civil sector	Energy	CO ₂	Remodulation of excise duty to promote low carbon content fuels in civil sector	Economic	Planned	Paragraph 4.4.5 of the NC	2014	National government		1,000.00
Intermodal measures	Transport	CO ₂	Infrastructures, intermodal and increasing of the electric public transport	Other (Planning)	Planned	Paragraph 4.4.6 of the NC	2015	National government		3,500.00
Measures to improve the fleets update - Regulation (EC) No 443/2009	Transport	CO ₂	Reduce the average emissions	Economic	Planned	Paragraph 4.4.6 of the NC	2015	National government		1,800.00
Reformulation of energy taxation - transport sector	Transport	CO ₂	Remodulation of excise duty to promote low carbon content fuels in transport sector	Economic	Planned	Paragraph 4.4.6 of the NC	2015	National government		500.00

Note : The two final columns specify the year identified by the Party for estimating impacts (based on the status of the measure and whether an ex post or ex ante estimation is available).

Abbreviations : GHG = greenhouse gas; LULUCF = land use, land-use change and forestry.

^a Parties should use an asterisk (*) to indicate that a mitigation action is included in the 'with measures' projection.

^b To the extent possible, the following sectors should be used: energy, transport, industry/industrial processes, agriculture, forestry/LULUCF, waste management/waste, other sectors, cross-cutting, as appropriate.

^c To the extent possible, the following types of instrument should be used: economic, fiscal, voluntary agreement, regulatory, information, education, research, other.

^d To the extent possible, the following descriptive terms should be used to report on the status of implementation: implemented, adopted, planned.

^e Additional information may be provided on the cost of the mitigation actions and the relevant timescale.

^f Optional year or years deemed relevant by the Party.

Reporting on progress^{a, b}

<i>Year^c</i>	<i>Total emissions excluding LULUCF</i>	<i>Contribution from LULUCF^d</i>	<i>Quantity of units from market based mechanisms under the Convention</i>		<i>Quantity of units from other market based mechanisms</i>	
	<i>(kt CO₂ eq)</i>	<i>(kt CO₂ eq)</i>	<i>(number of units)</i>	<i>(kt CO₂ eq)</i>	<i>(number of units)</i>	<i>(kt CO₂ eq)</i>
(1990)	518,984.17	NA	NO	NO	NO	NO
2010	500,313.89	-17,631.40	NO	NO	NO	NO
2011	488,792.02		597,088,153.00	597,088.15		
2012	464,553.41		190,106,903.00	190,106.91		

Abbreviation : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b For the base year, information reported on the emission reduction target shall include the following: (a) total GHG emissions, excluding emissions and removals from the LULUCF sector; (b) emissions and/or removals from the LULUCF sector based on the accounting approach applied taking into consideration any relevant decisions of the Conference of the Parties and the activities and/or land that will be accounted for; (c) total GHG emissions, including emissions and removals from the LULUCF sector. For each reported year, information reported on progress made towards the emission reduction targets shall include, in addition to the information noted in paragraphs 9(a–c) of the UNFCCC biennial reporting guidelines for developed country Parties, information on the use of units from market-based mechanisms.

^c Parties may add additional rows for years other than those specified below.

^d Information in this column should be consistent with the information reported in table 4(a)I or 4(a)II, as appropriate. The Parties for which all relevant information on the LULUCF contribution is reported in table 1 of this common tabular format can refer to table 1.

Custom Footnotes

Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 2011^{a,b}

	<i>Net GHG emissions/removals from LULUCF categories^c</i>	<i>Base year/period or reference level value^d</i>	<i>Contribution from LULUCF for reported year</i>	<i>Cumulative contribution from LULUCF^e</i>	<i>Accounting approach^f</i>
	<i>(kt CO₂ eq)</i>				
Total LULUCF					
A. Forest land					
1. Forest land remaining forest land					
2. Land converted to forest land					
3. Other ^g					
B. Cropland					
1. Cropland remaining cropland					
2. Land converted to cropland					
3. Other ^g					
C. Grassland					
1. Grassland remaining grassland					
2. Land converted to grassland					
3. Other ^g					
D. Wetlands					
1. Wetland remaining wetland					
2. Land converted to wetland					
3. Other ^g					
E. Settlements					
1. Settlements remaining settlements					
2. Land converted to settlements					
3. Other ^g					
F. Other land					
1. Other land remaining other land					
2. Land converted to other land					
3. Other ^g					
Harvested wood products					

Abbreviations : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Parties that use the LULUCF approach that is based on table 1 do not need to complete this table, but should indicate the approach in table 2. Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^c For each category, enter the net emissions or removals reported in the most recent inventory submission for the corresponding inventory year. If a category differs from that used for the reporting under the Convention or its Kyoto Protocol, explain in the biennial report how the value was derived.

^d Enter one reference level or base year/period value for each category. Explain in the biennial report how these values have been calculated.

^e If applicable to the accounting approach chosen. Explain in this biennial report to which years or period the cumulative contribution refers to.

^f Label each accounting approach and indicate where additional information is provided within this biennial report explaining how it was implemented, including all relevant accounting parameters (i.e. natural disturbances, caps).

^g Specify what was used for the category "other". Explain in this biennial report how each was defined and how it relates to the categories used for reporting under the Convention or its Kyoto Protocol.

Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 2012^{a, b}

	<i>Net GHG emissions/removals from LULUCF categories^c</i>	<i>Base year/period or reference level value^d</i>	<i>Contribution from LULUCF for reported year</i>	<i>Cumulative contribution from LULUCF^e</i>	<i>Accounting approach^f</i>
	<i>(kt CO₂ eq)</i>				
Total LULUCF					
A. Forest land					
1. Forest land remaining forest land					
2. Land converted to forest land					
3. Other ^g					
B. Cropland					
1. Cropland remaining cropland					
2. Land converted to cropland					
3. Other ^g					
C. Grassland					
1. Grassland remaining grassland					
2. Land converted to grassland					
3. Other ^g					
D. Wetlands					
1. Wetland remaining wetland					
2. Land converted to wetland					
3. Other ^g					
E. Settlements					
1. Settlements remaining settlements					
2. Land converted to settlements					
3. Other ^g					
F. Other land					
1. Other land remaining other land					
2. Land converted to other land					
3. Other ^g					
Harvested wood products					

Abbreviations : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Parties that use the LULUCF approach that is based on table 1 do not need to complete this table, but should indicate the approach in table 2. Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^c For each category, enter the net emissions or removals reported in the most recent inventory submission for the corresponding inventory year. If a category differs from that used for the reporting under the Convention or its Kyoto Protocol, explain in the biennial report how the value was derived.

^d Enter one reference level or base year/period value for each category. Explain in the biennial report how these values have been calculated.

^e If applicable to the accounting approach chosen. Explain in this biennial report to which years or period the cumulative contribution refers to.

^f Label each accounting approach and indicate where additional information is provided within this biennial report explaining how it was implemented, including all relevant accounting parameters (i.e. natural disturbances, caps).

^g Specify what was used for the category "other". Explain in this biennial report how each was defined and how it relates to the categories used for reporting under the Convention or its Kyoto Protocol.

Custom Footnotes

Table 4(a)II

ITA_BR1_v3.0
Source: ITA_CRF__v2.1

Progress in achievement of the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the counting of emissions and removals from the land use, land-use change and forestry sector in relation to activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol^{a,b,c}

GREENHOUSE GAS SOURCE AND SINK ACTIVITIES	Base year ^d	Net emissions/removals ^e					Accounting parameters ^h	Accounting quantity ⁱ
		2008	2009	2010	2011	Total ^g		
		(kt CO ₂ eq)						
A. Article 3.3 activities								
A.1. Afforestation and Reforestation							-27'887.73	
A.1.1. Units of land not harvested since the beginning of the commitment period ^j		-6,390.36	-7,217.78	-7,816.91	-6,462.69	-27,887.73	-27'887.73	
A.1.2. Units of land harvested since the beginning of the commitment period ^j								
A.2. Deforestation		375.40	376.97	378.74	379.95	1,511.05	1511.05157	
B. Article 3.4 activities								
B.1. Forest Management (if elected)		-27,944.44	-30,245.24	-31,303.73	-23,976.98	-113,470.40	-50966.66667	
3.3 offset ^k							0	
FM cap ^l							50966.66667	
B.2. Cropland Management (if elected)	0	NA	NA	NA	NA	NA	0	
B.3. Grazing Land Management (if elected)	0	NA	NA	NA	NA	NA	0	
B.4. Revegetation (if elected)	0	NA	NA	NA	NA	NA	0	

Note: 1 kt CO₂ eq equals 1 Gg CO₂ eq.

Abbreviations : CRF = common reporting format, LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Developed country Parties with a quantified economy-wide emission reduction target as communicated to the secretariat and contained in document FCCC/SB/2011/INF.1/Rev.1 or any update to that document, that are Parties to the Kyoto Protocol, may use table 4(a)II for reporting of accounting quantities if LULUCF is contributing to the attainment of that target.

^c Parties can include references to the relevant parts of the national inventory report, where accounting methodologies regarding LULUCF are further described in the documentation box or in the

^d Net emissions and removals in the Party's base year, as established by decision 9/CP.2.

^e All values are reported in the information table on accounting for activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol, of the CRF for the relevant inventory year as reported in the current submission and are automatically entered in this table.

^f Additional columns for relevant years should be added, if applicable.

^g Cumulative net emissions and removals for all years of the commitment period reported in the current submission.

^h The values in the cells "3.3 offset" and "Forest management cap" are absolute values.

ⁱ The accounting quantity is the total quantity of units to be added to or subtracted from a Party's assigned amount for a particular activity in accordance with the provisions of Article 7, paragraph 4, of the Kyoto Protocol.

^j In accordance with paragraph 4 of the annex to decision 16/CMP.1, debits resulting from harvesting during the first commitment period following afforestation and reforestation since 1990 shall not be greater than the credits accounted for on that unit of land.

^k In accordance with paragraph 10 of the annex to decision 16/CMP.1, for the first commitment period a Party included in Annex I that incurs a net source of emissions under the provisions of Article 3 paragraph 3, may account for anthropogenic greenhouse gas emissions by sources and removals by sinks in areas under forest management under Article 3, paragraph 4, up to a level that is equal to the net source of emissions under the provisions of Article 3, paragraph 3, but not greater than 9.0 megatonnes of carbon times five, if the total anthropogenic greenhouse gas emissions by sources and removals by sinks in the managed forest since 1990 is equal to, or larger than, the net source of emissions incurred under Article 3, paragraph 3.

^l In accordance with paragraph 11 of the annex to decision 16/CMP.1, for the first commitment period of the Kyoto Protocol only, additions to and subtractions from the assigned amount of a Party resulting from Forest management under Article 3, paragraph 4, after the application of paragraph 10 of the annex to decision 16/CMP.1 and resulting from forest management project activities undertaken under Article 6, shall not exceed the value inscribed in the appendix of the annex to decision 16/CMP.1, times five.

Reporting on progress^{a, b, c}

<i>Units of market based mechanisms</i>			<i>Year</i>	
			<i>2011</i>	<i>2012</i>
<i>Kyoto Protocol units^d</i>	<i>Kyoto Protocol units</i>	<i>(number of units)</i>	597,088,153.00	190,106,903.00
		<i>(kt CO₂ eq)</i>	597,088.15	190,106.91
	<i>AAUs</i>	<i>(number of units)</i>	567,758,394.00	170,503,486.00
		<i>(kt CO₂ eq)</i>	567,758.39	170,503.49
	<i>ERUs</i>	<i>(number of units)</i>	752,006.00	4,809,456.00
		<i>(kt CO₂ eq)</i>	752.01	4,809.46
	<i>CERs</i>	<i>(number of units)</i>	28,577,753.00	14,793,961.00
		<i>(kt CO₂ eq)</i>	28,577.75	14,793.96
	<i>tCERs</i>	<i>(number of units)</i>	NO	NO
		<i>(kt CO₂ eq)</i>	NO	NO
	<i>ICERs</i>	<i>(number of units)</i>	NO	NO
		<i>(kt CO₂ eq)</i>	NO	NO
<i>Other units^{d,e}</i>	<i>Units from market-based mechanisms under the Convention</i>	<i>(number of units)</i>		
		<i>(kt CO₂ eq)</i>		
	<i>Units from other market-based mechanisms</i>	<i>(number of units)</i>		
		<i>(kt CO₂ eq)</i>		
<i>Total</i>	<i>(number of units)</i>	597,088,153.00	190,106,903.00	
	<i>(kt CO₂ eq)</i>	597,088.15	190,106.91	

Abbreviations : AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, tCERs = temporary certified emission reductions.

Note: 2011 is the latest reporting year.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b For each reported year, information reported on progress made towards the emission reduction target shall include, in addition to the information noted in paragraphs 9(a-c) of the reporting guidelines, on the use of units from market-based mechanisms.

^c Parties may include this information, as appropriate and if relevant to their target.

^d Units surrendered by that Party for that year that have not been previously surrendered by that or any other Party.

^e Additional rows for each market-based mechanism should be added, if applicable.

Table 5

ITA_BR1_v3.0

Summary of key variables and assumptions used in the projections analysis^a

<i>Key underlying assumptions</i>		<i>Historical^b</i>						<i>Projected</i>			
<i>Assumption</i>	<i>Unit</i>	<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>	<i>2010</i>	<i>2011</i>	<i>2015</i>	<i>2020</i>	<i>2025</i>	<i>2030</i>
<i>Gross Domestic Product</i>	<i>10⁹ Euro 2005 constant prices basis</i>	1,173.00	1,249.00	1,368.00	1,436.00	1,418.00		1,449.00	1,538.00	1,617.00	1,699.00
Gross domestic product growth rate	%		1.30	1.90	1.00	-0.25		0.44	1.23	1.02	1.02
Population	thousands	56,694.00	56,846.00	56,929.00	58,462.00	60,340.00		61,138.00	61,634.00	61,938.00	62,129.00
Population growth rate and base year value	%		0.05	0.03	0.54	0.64		0.26	0.16	0.10	0.06
Total gross inland consumption - 'with measures' scenario	Mtoe	6,412.00	6,749.00	7,237.00	7,893.00	7,349.00		7,272.00	7,701.00	7,815.00	7,671.00
Total gross inland consumption - 'with additional measures' scenario	Mtoe	6,412.00	6,749.00	7,237.00	7,893.00	7,349.00		6,972.00	6,926.00	6,936.00	6,940.00
International coal import prices	2005 € / toe				78.00	126.00		126.00	149.00	168.00	179.00
International oil import prices	2005 € / toe				335.00	358.00		481.00	541.00	609.00	685.00
International gas import prices	2005 € / toe				189.00	252.00		310.00	353.00	401.00	445.00
Carbon price	€ (2005 price) / t CO ₂				0.00	10.00		13.00	22.00	26.00	30.00
Gross value-added total industry	Value (2005 € billion)	311.00	328.00	335.00	342.00	314.00		317.00	327.00	333.00	340.00
Share of the industrial sector in GDP	%	26.55	26.24	24.48	23.80	22.14		21.88	21.24	20.61	20.01
Gross value-added services	Value (2005 € billion)	687.00	736.00	864.00	921.00	938.00		960.00	1,024.00	1,082.00	1,143.00
Share of the services sector in GDP	%	58.62	58.92	63.20	64.14	66.12		66.27	66.59	66.92	67.26
Passenger person kilometres (all transport modes in absolute figures)	billion pass-km, excluding civil aviation	727.00	831.00	943.00	931.00	919.00		909.00	937.00	960.00	981.00
Freight tonne kilometres (all transport modes in absolute figures)	billion tonn-km >50km, only national vectors	191.00	210.00	216.00	240.00	211.00		208.00	226.00	242.00	259.00

^a Parties should include key underlying assumptions as appropriate.^b Parties should include historical data used to develop the greenhouse gas projections reported.

Table 6(a)

ITA_BR1_v3.0

Information on updated greenhouse gas projections under a 'with measures' scenario^a

	GHG emissions and removals ^b							GHG emission projections	
	(kt CO ₂ eq)							(kt CO ₂ eq)	
	Base year (1990)	1990	1995	2000	2005	2010	2011	2020	2030
Sector^{d,e}									
Energy	227,682.83	227,682.83	230,424.81	243,433.96	264,201.59	235,014.37	225,341.26	238,297.35	243,955.14
Transport	103,105.53	103,105.53	114,100.64	122,441.81	127,461.30	118,910.98	117,851.35	114,627.00	120,776.00
Industry/industrial processes	127,792.28	127,792.28	124,749.35	122,361.17	124,953.57	94,880.46	94,548.12	113,226.83	112,487.99
Agriculture	40,738.59	40,738.59	40,520.46	40,135.38	37,362.53	33,722.59	33,530.43	33,425.78	33,368.70
Forestry/LULUCF	-12,153.74	-12,153.74	-30,382.90	-25,834.57	-38,271.35	-43,340.86	-30,590.07	-32,086.09	-29,547.86
Waste management/waste	19,664.96	19,664.96	20,445.39	22,928.87	20,454.43	17,785.50	17,520.85	16,501.97	13,315.38
Other (specify)									
Gas									
CO ₂ emissions including net CO ₂ from LULUCF	421,621.13	421,621.13	414,255.34	435,951.80	449,563.22	381,939.57	383,394.43	406,611.58	416,695.53
CO ₂ emissions excluding net CO ₂ from LULUCF	434,656.30	434,656.30	444,943.68	462,277.69	488,078.03	425,499.38	414,239.22	438,723.91	446,230.65
CH ₄ emissions including CH ₄ from LULUCF	44,358.93	44,358.93	44,494.56	46,191.08	41,266.94	37,452.63	36,756.26	34,592.69	30,701.41
CH ₄ emissions excluding CH ₄ from LULUCF	43,760.90	43,760.90	44,335.69	45,843.74	41,106.94	37,290.20	36,567.66	34,571.44	30,714.23
N ₂ O emissions including N ₂ O from LULUCF	37,679.71	37,679.71	38,568.73	39,627.21	37,750.97	27,132.14	26,939.29	28,588.58	28,758.43
N ₂ O emissions excluding N ₂ O from LULUCF	37,396.31	37,396.31	38,422.16	39,483.23	37,667.51	27,075.62	26,873.17	28,583.58	28,758.34
HFCs	351.00	351.00	671.29	1,985.67	5,400.56	8,744.58	9,306.04	12,568.00	16,568.00
PFCs	2,486.74	2,486.74	1,266.38	1,217.43	1,715.00	1,330.83	1,454.54	1,251.00	1,251.00
SF ₆	332.92	332.92	601.45	493.43	465.39	373.27	351.38	381.00	381.00
Other (specify)									
Total with LULUCF^f	506,830.43	506,830.43	499,857.75	525,466.62	536,162.08	456,973.02	458,201.94	483,992.85	494,355.37
Total without LULUCF	518,984.17	518,984.17	530,240.65	551,301.19	574,433.43	500,313.88	488,792.01	516,078.93	523,903.22

Abbreviations : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

^a In accordance with the "Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part II: UNFCCC reporting guidelines on national communications", at a minimum Parties shall report a 'with measures' scenario, and may report 'without measures' and 'with additional measures' scenarios. If a Party chooses to report 'without measures' and/or 'with additional measures' scenarios they are to use tables 6(b) and/or 6(c), respectively. If a Party does not choose to report 'without measures' or 'with additional measures' scenarios then it should not include tables 6(b) or 6(c) in the biennial report.

Information on updated greenhouse gas projections under a ‘with measures’ scenario^a

	<i>GHG emissions and removals^b</i>							GHG emission projections	
	<i>(kt CO₂ eq)</i>							<i>(kt CO₂ eq)</i>	
	<i>Base year (1990)</i>	1990	1995	2000	2005	2010	2011	2020	2030

^b Emissions and removals reported in these columns should be as reported in the latest GHG inventory and consistent with the emissions and removals reported in the table on GHG emissions and trends provided in this biennial report. Where the sectoral breakdown differs from that reported in the GHG inventory Parties should explain in their biennial report how the inventory sectors relate to the sectors reported in this table.

^c 20XX is the reporting due-date year (i.e. 2014 for the first biennial report).

^d In accordance with paragraph 34 of the “Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part II: UNFCCC reporting guidelines on national communications”, projections shall be presented on a sectoral basis, to the extent possible, using the same sectoral categories used in the policies and measures section. This table should follow, to the extent possible, the same sectoral categories as those listed in paragraph 17 of those guidelines, namely, to the extent appropriate, the following sectors should be considered: energy, transport, industry, agriculture, forestry and waste management.

^e To the extent possible, the following sectors should be used: energy, transport, industry/industrial processes, agriculture, forestry/LULUCF, waste management/waste, other sectors (i.e. cross-cutting), as appropriate.

^f Parties may choose to report total emissions with or without LULUCF, as appropriate.

Table 6(c)

ITA_BR1_v3.0

Information on updated greenhouse gas projections under a ‘with additional measures’ scenario^a

	GHG emissions and removals ^b							GHG emission projections	
	(kt CO ₂ eq)							(kt CO ₂ eq)	
	Base year (1990)	1990	1995	2000	2005	2010	2011	2020	2030
Sector^{d,e}									
Energy	227,682.83	227,682.83	230,424.81	243,433.96	264,201.59	235,014.37	225,341.26	195,126.08	175,054.67
Transport	103,105.53	103,105.53	114,100.64	122,441.81	127,461.30	118,910.98	117,851.35	102,182.21	98,963.58
Industry/industrial processes	127,792.28	127,792.28	124,749.35	122,361.17	124,953.57	94,880.46	94,548.12	107,800.62	110,275.15
Agriculture	40,738.59	40,738.59	40,520.46	40,135.38	37,362.53	33,722.59	33,530.43	33,425.78	33,368.70
Forestry/LULUCF	-12,153.74	-12,153.74	-30,382.90	-25,834.57	-38,271.35	-43,340.86	-30,590.07	-32,086.09	-29,547.86
Waste management/waste	19,664.96	19,664.96	20,445.39	22,928.87	20,454.43	17,785.50	17,520.85	16,501.97	13,315.38
Other (specify)									
Gas									
CO ₂ emissions including net CO ₂ from LULUCF	421,621.13	421,621.13	414,255.34	435,951.80	449,563.22	381,939.57	383,394.43	345,639.32	324,518.86
CO ₂ emissions excluding net CO ₂ from LULUCF	434,656.30	434,656.30	444,943.68	462,277.69	488,078.03	425,499.38	414,239.22	377,751.65	354,053.98
CH ₄ emissions including CH ₄ from LULUCF	44,358.93	44,358.93	44,494.56	46,191.08	41,266.94	37,452.63	36,756.26	34,391.30	30,470.94
CH ₄ emissions excluding CH ₄ from LULUCF	43,760.90	43,760.90	44,335.69	45,843.74	41,106.94	37,290.20	36,567.66	34,370.05	30,483.77
N ₂ O emissions including N ₂ O from LULUCF	37,679.71	37,679.71	38,568.73	39,627.21	37,750.97	27,132.14	26,939.29	28,719.96	28,239.78
N ₂ O emissions excluding N ₂ O from LULUCF	37,396.31	37,396.31	38,422.16	39,483.23	37,667.51	27,075.62	26,873.17	28,714.96	28,239.70
HFCs	351.00	351.00	671.29	1,985.67	5,400.56	8,744.58	9,306.04	12,568.00	16,568.00
PFCs	2,486.74	2,486.74	1,266.38	1,217.43	1,715.00	1,330.83	1,454.54	1,251.00	1,251.00
SF ₆	332.92	332.92	601.45	493.43	465.39	373.27	351.38	381.00	381.00
Other (specify)									
Total with LULUCF^f	506,830.43	506,830.43	499,857.75	525,466.62	536,162.08	456,973.02	458,201.94	422,950.58	401,429.58
Total without LULUCF	518,984.17	518,984.17	530,240.65	551,301.19	574,433.43	500,313.88	488,792.01	455,036.66	430,977.45

Abbreviations : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

^a In accordance with the “Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part II: UNFCCC reporting guidelines on national communications”, at a minimum Parties shall report a ‘with measures’ scenario, and may report ‘without measures’ and ‘with additional measures’ scenarios. If a Party chooses to report ‘without measures’ and/or ‘with additional measures’ scenarios they are to use tables 6(b) and/or 6(c), respectively. If a Party does not choose to report ‘without measures’ or ‘with additional measures’ scenarios then it should not include tables 6(b) or 6(c) in the biennial report.

Information on updated greenhouse gas projections under a ‘with additional measures’ scenario^a

	<i>GHG emissions and removals^b</i>							GHG emission projections	
	<i>(kt CO₂ eq)</i>							<i>(kt CO₂ eq)</i>	
	<i>Base year (1990)</i>	1990	1995	2000	2005	2010	2011	2020	2030

^b Emissions and removals reported in these columns should be as reported in the latest GHG inventory and consistent with the emissions and removals reported in the table on GHG emissions and trends provided in this biennial report. Where the sectoral breakdown differs from that reported in the GHG inventory Parties should explain in their biennial report how the inventory sectors relate to the sectors reported in this table.

^c 20XX is the reporting due-date year (i.e. 2014 for the first biennial report).

^d In accordance with paragraph 34 of the “Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part II: UNFCCC reporting guidelines on national communications”, projections shall be presented on a sectoral basis, to the extent possible, using the same sectoral categories used in the policies and measures section. This table should follow, to the extent possible, the same sectoral categories as those listed in paragraph 17 of those guidelines, namely, to the extent appropriate, the following sectors should be considered: energy, transport, industry, agriculture, forestry and waste management.

^e To the extent possible, the following sectors should be used: energy, transport, industry/industrial processes, agriculture, forestry/LULUCF, waste management/waste, other sectors (i.e. cross-cutting), as appropriate.

^f Parties may choose to report total emissions with or without LULUCF, as appropriate.

Provision of public financial support: summary information in 2011^a

Allocation channels	Year									
	European euro - EUR					USD ^b				
	Core/ general ^c	Climate-specific ^d				Core/ general ^c	Climate-specific ^d			
Mitigation		Adaptation	Cross-cutting ^e	Other ^f	Mitigation		Adaptation	Cross-cutting ^e	Other ^f	
Total contributions through multilateral channels:						300,630,000.00	8,780,000.00	1,090,000.00	9,790,000.00	
Multilateral climate change funds ^g							8,380,000.00			
Other multilateral climate change funds ^h										
Multilateral financial institutions, including regional development banks						271,640,000.00		1,090,000.00	3,760,000.00	
Specialized United Nations bodies						28,990,000.00	400,000.00		6,030,000.00	
Total contributions through bilateral, regional and other channels	36,850,000.00	4,240,000.00	1,220,000.00	31,340,000.00	2,000,000.00					
Total	36,850,000.00	4,240,000.00	1,220,000.00	31,340,000.00	2,000,000.00	300,630,000.00	8,780,000.00	1,090,000.00	9,790,000.00	

Abbreviation: USD = United States dollars.

^a Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^b Parties should provide an explanation on methodology used for currency exchange for the information provided in table 7, 7(a) and 7(b) in the box below.

^c This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

^d Parties should explain in their biennial reports how they define funds as being climate-specific.

^e This refers to funding for activities which are cross-cutting across mitigation and adaptation.

^f Please specify.

^g Multilateral climate change funds listed in paragraph 17(a) of the "UNFCCC biennial reporting guidelines for developed country Parties" in decision 2/CP.17.

^h Other multilateral climate change funds as referred in paragraph 17(b) of the "UNFCCC biennial reporting guidelines for developed country Parties" in decision 2/CP.17.

Custom Footnotes

Each Party shall provide an indication of what new and additional financial resources they have provided, and clarify how they have determined that such resources are new and additional. Please provide this information in relation to table 7(a) and table 7(b).

Table 7

Provision of public financial support: summary information in 2012^a

Allocation channels	Year									
	European euro - EUR					USD ^b				
	Core/ general ^c	Climate-specific ^d				Core/ general ^c	Climate-specific ^d			
		Mitigation	Adaptation	Cross-cutting ^e	Other ^f		Mitigation	Adaptation	Cross-cutting ^e	Other ^f
Total contributions through multilateral channels:						260,500,000.00	5,990,000.00	1,400,000.00		
Multilateral climate change funds ^g							2,200,000.00			
Other multilateral climate change funds ^h										
Multilateral financial institutions, including regional development banks						241,960,000.00				
Specialized United Nations bodies						18,540,000.00	3,790,000.00	1,400,000.00		
Total contributions through bilateral, regional and other channels	39,140,000.00	9,740,000.00	570,000.00	28,830,000.00						
Total	39,140,000.00	9,740,000.00	570,000.00	28,830,000.00		260,500,000.00	5,990,000.00	1,400,000.00		

Abbreviation: USD = United States dollars.

^a Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^b Parties should provide an explanation on methodology used for currency exchange for the information provided in table 7, 7(a) and 7(b) in the box below.

^c This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

^d Parties should explain in their biennial reports how they define funds as being climate-specific.

^e This refers to funding for activities which are cross-cutting across mitigation and adaptation.

^f Please specify.

^g Multilateral climate change funds listed in paragraph 17(a) of the “UNFCCC biennial reporting guidelines for developed country Parties” in decision 2/CP.17.

^h Other multilateral climate change funds as referred in paragraph 17(b) of the “UNFCCC biennial reporting guidelines for developed country Parties” in decision 2/CP.17.

Custom Footnotes

Each Party shall provide an indication of what new and additional financial resources they have provided, and clarify how they have determined that such resources are new and additional. Please provide this information in relation to table 7(a) and table 7(b).

Table 7(a)

ITA_BR1_v3.0

Provision of public financial support: contribution through multilateral channels in 2011^a

Donor funding	Total amount				Status ^b	Funding source ^f	Financial instrument ^f	Type of support ^{f,8}	Sector ^c
	Core/general ^d		Climate-specific ^e						
	European euro - EUR	USD	European euro - EUR	USD					
Total contributions through multilateral channels		300,630,000.00		19,660,000.00					
Multilateral climate change funds ^g				8,380,000.00					
1. Global Environment Facility				8,380,000.00	Provided	ODA	Grant	Mitigation	Energy, Transport, Forestry
2. Least Developed Countries Fund									
3. Special Climate Change Fund									
4. Adaptation Fund									
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities									
7. Other multilateral climate change funds									
Multilateral financial institutions, including regional development banks		271,640,000.00		4,850,000.00					
1. World Bank		235,000,000.00		3,760,000.00	Provided	ODA	Grant	Cross-cutting	Cross-cutting
2. International Finance Corporation									
3. African Development Bank		12,770,000.00			Provided	ODA			
4. Asian Development Bank		23,870,000.00			Provided	ODA			
5. European Bank for Reconstruction and Development				1,090,000.00	Provided	ODA	Grant	Adaptation	Cross-cutting
6. Inter-American Development Bank									
7. Other									
Specialized United Nations bodies		28,990,000.00		6,430,000.00					
1. United Nations Development Programme		2,500,000.00		400,000.00					
		2,500,000.00		400,000.00	Provided	OOF	Grant	Mitigation	Other (Other)
2. United Nations Environment Programme		6,900,000.00		160,000.00					
		6,900,000.00		160,000.00	Provided	OOF	Grant	Cross-cutting	Cross-cutting
3. Other		19,590,000.00		5,870,000.00					
		19,590,000.00		5,870,000.00	Provided	OOF	Grant	Cross-cutting	Energy, Forestry, Cross-cutting

Abbreviations: ODA = official development assistance, OOF = other official flows.

^a Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^b Parties should explain, in their biennial reports, the methodologies used to specify the funds as provided, committed and/or pledged. Parties will provide the information for as many status categories as appropriate in the following order of priority: provided, committed, pledged.

^c Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

^d This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

^e Parties should explain in their biennial reports how they define funds as being climate-specific.

^f Please specify.

^g Cross-cutting type of support refers to funding for activities which are cross-cutting across mitigation and adaptation.

Table 7(a)

ITA_BR1_v3.0

Provision of public financial support: contribution through multilateral channels in 2012^a

Donor funding	Total amount				Status ^b	Funding source ^f	Financial instrument ^f	Type of support ^{f, g}	Sector ^c
	Core/general ^d		Climate-specific ^e						
	European euro - EUR	USD	European euro - EUR	USD					
Total contributions through multilateral channels		260,500,000.00		7,390,000.00					
Multilateral climate change funds ^g				2,200,000.00					
1. Global Environment Facility				2,200,000.00	Provided	ODA	Grant	Mitigation	Energy, Transport, Forestry
2. Least Developed Countries Fund									
3. Special Climate Change Fund									
4. Adaptation Fund									
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities									
7. Other multilateral climate change funds									
Multilateral financial institutions, including regional development banks		241,960,000.00							
1. World Bank		230,000,000.00			Provided	ODA	Grant		
2. International Finance Corporation									
3. African Development Bank		11,960,000.00			Provided	ODA	Grant		
4. Asian Development Bank					Provided				
5. European Bank for Reconstruction and Development									
6. Inter-American Development Bank									
7. Other									
Specialized United Nations bodies		18,540,000.00		5,190,000.00					
1. United Nations Development Programme		170,000.00		320,000.00					
		170,000.00		320,000.00	Provided	OOF	Grant	Mitigation	Cross-cutting
2. United Nations Environment Programme		5,500,000.00		1,400,000.00					
		5,500,000.00		1,400,000.00	Provided	OOF	Grant	Adaptation	Energy, Water and sanitation
3. Other		12,870,000.00		3,470,000.00					
		12,870,000.00		3,470,000.00	Provided	OOF	Grant	Mitigation	Energy, Forestry

Abbreviations: ODA = official development assistance, OOF = other official flows.

^a Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^b Parties should explain, in their biennial reports, the methodologies used to specify the funds as provided, committed and/or pledged. Parties will provide the information for as many status categories as appropriate in the following order of priority: provided, committed, pledged.

^c Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

^d This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

^e Parties should explain in their biennial reports how they define funds as being climate-specific.

^f Please specify.

^g Cross-cutting type of support refers to funding for activities which are cross-cutting across mitigation and adaptation.

Table 7(b)

ITA_BR1_v3.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2011^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^h	Sector ^d	Additional information ^e
	Climate-specific ^f							
	European euro - EUR	USD						
Total contributions through bilateral, regional and other channels	38,800,000.00							
China / Sino- Italian Climate Change Cooperation Programme	15,600,000.00		Provided	OOF	Grant	Cross-cutting	Energy, Other (capacity building, technologies transfer)	
Iraq / Iraq Climate Action	2,500,000.00		Provided	OOF	Grant	Cross-cutting	Agriculture, Forestry, Water and sanitation	
SIDS / Cooperation on Climate Change	160,000.00		Provided	OOF	Grant	Cross-cutting	Energy	
Balkan area / Balkanic Climate Initiatives: Serbia, Montenegro, Macedonia, Albania	1,640,000.00		Provided	OOF	Grant	Cross-cutting	Energy, Agriculture, Cross-cutting, Other (Capacity Building)	
Mediterranean area / Mediterranean Climate Initiatives	1,500,000.00		Provided	OOF	Grant	Cross-cutting	Energy	
Mexico / Mexico Climate Initiatives	520,000.00		Provided	OOF	Grant	Mitigation	Energy, Other (water), Other (waste)	
India /	240,000.00		Provided	OOF	Grant	Cross-cutting	Energy	
Argentina /	500,000.00		Provided	ODA	Grant	Cross-cutting	Forestry, Other (other)	
Benin /	150,000.00		Provided	ODA	Grant	Cross-cutting	Other (other)	
Brazil /	190,000.00		Provided	ODA	Grant	Mitigation	Energy, Forestry	
Bolivia /	1,400,000.00		Provided	ODA	Grant	Cross-cutting	Forestry, Agriculture, Water and sanitation,	
Burkina Faso /	80,000.00		Provided	ODA	Grant	Mitigation	Other (other)	
Cameroon /	40,000.00		Provided	ODA	Grant	Mitigation	Other (other)	
China /	1,110,000.00		Provided	ODA	Grant	Mitigation	Agriculture	
Cuba /	270,000.00		Provided	ODA	Grant	Mitigation	Agriculture	
Dominican Republic /	40,000.00		Provided	ODA	Grant	Cross-cutting	Agriculture, Other (other)	
Ecuador /	60,000.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Egypt /	150,000.00		Provided	ODA	Grant	Mitigation	Cross-cutting	
El Salvador /	640,000.00		Provided	ODA	Grant	Adaptation	Cross-cutting, Other (other)	

Table 7(b)

ITA_BR1_v3.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2011^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^h	Sector ^d	Additional information ^e
	Climate-specific ^f							
	European euro - EUR	USD						
Ethiopia /	60,000.00		Provided	ODA	Grant	Mitigation	Water and sanitation, Cross-cutting	
Ghana /	320,000.00		Provided	ODA	Grant	Cross-cutting	Agriculture, Cross-cutting	
Guatemala /	90,000.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Haiti /	30,000.00		Provided	ODA	Grant	Cross-cutting	Forestry	
Honduras /	330,000.00		Provided	ODA	Grant	Cross-cutting	Water and sanitation	
Iraq /	900,000.00		Provided	ODA	Grant	Mitigation	Other (other)	
Kenya /	50,000.00		Provided	ODA	Grant	Mitigation	Water and sanitation	
Lebanon /	1,260,000.00		Provided	ODA	Grant	Cross-cutting	Agriculture, Cross-cutting	
The former Yugoslav Republic of Macedonia /	210,000.00		Provided	ODA	Grant	Mitigation	Cross-cutting	
Mozambique /	120,000.00		Provided	ODA	Grant	Mitigation	Agriculture, Forestry	
Myanmar /	220,000.00		Provided	ODA	Grant	Cross-cutting	Agriculture, Forestry	
Nicaragua /	370,000.00		Provided	ODA	Grant	Adaptation	Water and sanitation, Agriculture	
Niger /	80,000.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Senegal /	770,000.00		Provided	ODA	Grant	Cross-cutting	Energy, Water and sanitation, Agriculture	
United Republic of Tanzania /	60,000.00		Provided	ODA	Grant	Cross-cutting	Energy, Water and sanitation, Agriculture	
Tunisia /	2,000,000.00		Provided	ODA	Grant	Other ()	Cross-cutting	
Viet Nam /	540,000.00		Provided	ODA	Grant	Mitigation	Water and sanitation	
Zimbabwe /	210,000.00		Provided	ODA	Grant	Adaptation	Cross-cutting	
Brazil /	2,440,000.00		Provided	OOF	Grant	Cross-cutting	Energy, Forestry	
China /	1,950,000.00		Committed	OOF	Grant	Cross-cutting	Energy, Transport	

Abbreviations: ODA = official development assistance, OOF = other official flows; USD = United States dollars.

^a Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^b Parties should report, to the extent possible, on details contained in this table.

^c Parties should explain, in their biennial reports, the methodologies used to specify the funds as provided, committed and/or pledged. Parties will provide the information for as many status categories as appropriate in the following order of priority: provided, committed, pledged.

^d Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

^e Parties should report, as appropriate, on project details and the implementing agency.

^f Parties should explain in their biennial reports how they define funds as being climate-specific.

^g Please specify.

^h Cross-cutting type of support refers to funding for activities which are cross-cutting across mitigation and adaptation.

Table 7(b)

ITA_BR1_v3.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2012^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	European euro - EUR	USD						
Total contributions through bilateral, regional and other channels	39,140,000.00							
China /	3,530,000.00		Provided	ODA	Grant	Cross-cutting	Transport, Energy, Other (other)	
Iraq / Iraq climate actions	1,900,000.00		Provided	OOF	Grant	Cross-cutting	Agriculture, Forestry, Water and sanitation	
Balkan area (Serbia, Montenegro, Macedonia, Albania) /	2,720,000.00		Provided	OOF	Grant	Cross-cutting	Energy	
Mediterranean area / Mediterranean climate initiatives	800,000.00		Provided	OOF	Grant	Cross-cutting	Energy	
Mexico / Mexico climate initiatives	320,000.00		Committed	OOF	Grant	Mitigation	Energy	
SIDS / Pacific Small Islands Developing States	4,500,000.00		Committed	OOF	Grant	Cross-cutting	Energy	
India /	500,000.00		Provided	OOF	Grant	Cross-cutting	Energy	
Brazil /	7,300,000.00		Provided	OOF	Grant	Mitigation	Energy, Forestry	
Albania /	400,000.00		Provided	ODA	Grant	Cross-cutting	Agriculture, Other (other)	
Argentina /	30,000.00		Provided	ODA	Grant	Adaptation	Other (other)	
Bolivia /	420,000.00		Provided	ODA	Grant	Mitigation	Energy, Agriculture, Other (water)	
Cuba /	190,000.00		Provided	ODA	Grant	Cross-cutting	Water and sanitation, Agriculture	
Peru /	100,000.00		Provided	ODA	Grant	Mitigation	Other (other)	
Tunisia /	120,000.00		Provided	ODA	Grant	Mitigation	Other (other)	
Morocco /	70,000.00		Provided	ODA	Grant	Adaptation	Other (other)	
Lebanon /	3,260,000.00		Provided	ODA	Grant	Cross-cutting	Energy, Water and sanitation	

Table 7(b)

ITA_BR1_v3.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2012^a

<i>Recipient country/ region/project/programme^b</i>	<i>Total amount</i>		<i>Status^c</i>	<i>Funding source^g</i>	<i>Financial instrument^g</i>	<i>Type of support^{g, h}</i>	<i>Sector^d</i>	<i>Additional information^e</i>
	<i>Climate-specific^f</i>							
	<i>European euro - EUR</i>	<i>USD</i>						
Mozambique /	170,000.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Ethiopia /	40,000.00		Provided	ODA	Grant	Cross-cutting	Cross-cutting	
Zambia /	70,000.00		Provided	ODA	Grant	Cross-cutting	Forestry	
Nicaragua /	360,000.00		Provided	ODA	Grant	Cross-cutting	Energy, Water and sanitation, Other (other)	
Honduras /	270,000.00		Provided	ODA	Grant	Cross-cutting	Energy, Water and sanitation, Other (other)	
Kenya /	80,000.00		Provided	ODA	Grant	Cross-cutting	Water and sanitation, Other (other)	
Burkina Faso /	30,000.00		Provided	ODA	Grant	Cross-cutting	Water and sanitation, Other (other)	
Niger /	60,000.00		Provided	ODA	Grant	Mitigation	Other (other)	
Ghana /	40,000.00		Provided	ODA	Grant	Cross-cutting	Energy, Cross- cutting	
Senegal /	820,000.00		Provided	ODA	Grant	Cross-cutting	Energy, Water and sanitation, Agriculture	
Benin /	40,000.00		Provided	ODA	Grant	Mitigation	Forestry	
Viet Nam /	470,000.00		Provided	ODA	Grant	Adaptation	Water and sanitation	
Nepal /	60,000.00		Provided	ODA	Grant	Mitigation	Other (other)	
Ecuador /	50,000.00		Provided	ODA	Grant	Mitigation	Other (other)	
Uganda /	70,000.00		Provided	ODA	Grant	Mitigation	Energy	
China /	8,970,000.00		Provided	OOF	Grant	Cross-cutting	Transport, Energy, Cross-cutting	

Table 7(b)

ITA_BR1_v3.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2012^a

<i>Recipient country/ region/project/programme^b</i>	<i>Total amount</i>		<i>Status^c</i>	<i>Funding source^g</i>	<i>Financial instrument^g</i>	<i>Type of support^{g,h}</i>	<i>Sector^d</i>	<i>Additional information^e</i>
	<i>Climate-specific^f</i>							
	<i>European euro - EUR</i>	<i>USD</i>						
Balkan Area (Serbia, Montenegro, Macedonia, Albania) /	180,000.00		Committed	OOF	Grant	Cross-cutting	Energy	
Brazil /	1,200,000.00		Committed	OOF	Grant	Mitigation	Energy, Forestry	

Abbreviations: ODA = official development assistance, OOF = other official flows; USD = United States dollars.

^a Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^b Parties should report, to the extent possible, on details contained in this table.

^c Parties should explain, in their biennial reports, the methodologies used to specify the funds as provided, committed and/or pledged. Parties will provide the information for as many status categories as appropriate in the following order of priority: provided, committed, pledged.

^d Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

^e Parties should report, as appropriate, on project details and the implementing agency.

^f Parties should explain in their biennial reports how they define funds as being climate-specific.

^g Please specify.

^h Cross-cutting type of support refers to funding for activities which are cross-cutting across mitigation and adaptation.

Table 8

ITA_BR1_v3.0

Provision of technology development and transfer support^{a,b}

<i>Recipient country and/or region</i>	<i>Targeted area</i>	<i>Measures and activities related to technology transfer</i>	<i>Sector^c</i>	<i>Source of the funding for technology transfer</i>	<i>Activities undertaken by</i>	<i>Status</i>	<i>Additional information^d</i>
China	Mitigation and Adaptation	CCS Technologies studies; geological investigation, data collection and interpretation; emission sources investigation and analysis	Other (Carbon capture and storage)	Public	Private and Public	Implemented	
China	Mitigation and Adaptation	Design, demonstration and validation of an open platform for data sharing; Processing and management for urban sustainable transportation	Transport	Public	Public	Implemented	
Mexico	Mitigation	Application of solar energy for food refrigeration	Energy, Agriculture	Public	Private and Public	Implemented	
Multilateral / UNIDO	Mitigation	Promotion of best practices in energy efficiency sector. Identification and mobilization of technical assistance measures and support to the implementation of environmentally-sound investment and energy-efficient technology.	Energy	Public	Public	Implemented	
Multilateral / UNDP	Mitigation	Promotion of best available technologies for tackling climate change	Other (Cross cutting)	Public	Public	Implemented	
Brazil	Mitigation	Application of solar heating for industrial process, in the Pirelli plant based in Feira de Santana. Application of direct steam generation at plant. Application of a medium temperature solar collector receiver tube-based high-efficiency selective coating DSG with high performance	Energy	Private and Public	Private and Public	Implemented	
Papua New Guinea	Mitigation	Installation of three mini PV solar systems, a mini hydro project, a biodiesel project and several training activities	Energy	Public	Public	Planned	
Pacific Small Islands - Kiribati	Adaptation	Installation of solar pump system	Other (Water)	Public	Public	Implemented	
Pacific Small Islands - Kiribati	Mitigation	Setting up and checking of wind sensors on the Tower; Training of Government Representatives	Energy	Public	Public	Implemented	
Pacific Small Islands - Micronesia	Mitigation	Installation of four photovoltaic (PV) power systems; data sharing.	Energy	Public	Public	Implemented	
Pacific Small Islands - Solomon Islands	Mitigation	Application of small scale solar lighting system	Energy	Public	Public	Implemented	

^a To be reported to the extent possible.^b The tables should include measures and activities since the last national communication or biennial report.

Provision of technology development and transfer support^{a,b}

<i>Recipient country and/or region</i>	<i>Targeted area</i>	<i>Measures and activities related to technology transfer</i>	<i>Sector^c</i>	<i>Source of the funding for technology transfer</i>	<i>Activities undertaken by</i>	<i>Status</i>	<i>Additional information^d</i>
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^c Parties may report sectoral disaggregation, as appropriate.

^d Additional information may include, for example, funding for technology development and transfer provided, a short description of the measure or activity and co-financing arrangements.

Custom Footnotes

Project of 2011 and 2012 have been included

Provision of capacity-building support^a

<i>Recipient country/region</i>	<i>Targeted area</i>	<i>Programme or project title</i>	<i>Description of programme or project^{b,c}</i>
South mediterranean countries	Multiple Areas	Prevention, Preparedness and Response to Natural and Man-made Disasters (PPRD South) (2008-2013) Euromed Programme	<p>The PPRD South was signed between the European Commission (EU funding of EUR 5 million) and the Consortium established by the Italian Civil Protection Department, as leader and the Civil Protection Authorities of Egypt, Algeria, France and the United Nations International Strategy for Disaster Reduction (UNISDR). The projections on impact of natural disasters due to climate change, combined with poverty in many Southern Mediterranean Countries, need continuous efforts to improve capacities to cope with disasters and to invest more in Disaster Risk Reduction Policies and Community Resilience. To this end, the Programme was aimed to contribute to the development and reinforcement of the quality of Civil Protection services in the Euro-Mediterranean region and to the continuation of institutional cooperation in the field, both between the EU and the Mediterranean Partner Countries and among the Mediterranean Partner Countries themselves. The objectives of the project have been pursued through 4 broad areas of activity aimed at:</p> <ol style="list-style-type: none"> 1. Risk Assessment – by developing tailored national and regional assessment tools such as the Regional Risk Atlas and the Civil Protection Operational Manual; 2. Prevention and Preparedness – by organising training workshops, study visits and demand-driven technical assistance, by sensitising the creation of National Platforms for Disaster Risk Reduction and by supporting regional coordination; 3. Response – by improving the coverage and the coordination on existing Warning Systems and the relevant Operational Centres and implementing simulation exercises; 4. Information/Communication – by developing a user-friendly Web Portal, improving the level of information and the awareness of risk-prone populations regarding risk exposure, prevention and response. <p>In particular, the “Prevention and Preparedness activities” include the organization and implementation of several thematic training workshops focused in particular on: Flood Risk reduction, Information in Emergency, Awareness-Raising, Early Warning System, Emergency Preparedness and Disaster Mitigation for Critical Facilities’ Failure, Tsunami Emergency Preparedness in Mediterranean Coastal Zones, Increasing Disaster Resilience in Urban Settings, Multi-hazard Risk Assessment in Urban Environment. The target audience of the training workshops included high-level managers and operational staff and officials.</p>
Montenegro	Technology Development and Transfer	“Environmental Protection Co-Operation” Bilateral Agreement Italy-Montenegro (2004-ongoing)	In Montenegro MoU signed in 2004 has been replaced by the Cooperation Agreement for Environmental Protection in Podgorica signed by the two governments in November 2012, represented by the Minister of the Environment. The agreement allowed the carrying out of activities that include, among others, support to institutional development and capacity building, and for environmental management, particularly in the areas of air quality , climate change , prevention and control of pollution.
The former Yugoslav Republic of Macedonia	Technology Development and Transfer	“Cooperation Agreement on environmental protection between the Ministries of Environment of Italy and Macedonia (2009 ongoing)”	<p>The cooperation aims to develop supporting activities for Kyoto Protocol implementation, environmental protection, natural resources improvement, environmental pollution reduction, legal assistance to adopt the Acquis Communautaire, and promotion of sustainable development through programmes, initiatives and jointed projects.</p> <p>in 2009 a Memorandum of Understanding on “Establishment of Wind Database in Republic of Macedonia” between the Italian Ministry for the Environment, Land and Sea and the Macedonian Ministry of Economy has been signed. It is finalized to measure wind power in the Republic of Macedonia. The database will provide an institutional plan for the sustainable process of wind measurement and a database to be used for wind energy generation.</p>
Caribbean Region Barbados and Grenada Islands	Multiple Areas	Capacity building project 'EVRECA! - European Volunteers for Response of Emergencies in the Caribbean (2013-2014)	The main objective of this project is to define guidelines and standards for the recruitment and training of volunteers in the field of emergency management and Disaster Risk Reduction (DRR) activities. Secondly, the proposal aims to deploy the volunteers in third countries in order to follow the path of ongoing projects with the aim of strengthening local authorities' pre-paredness, early warning systems, response and deployment of volunteers. A stronger institutional response to natural disasters will directly benefit local communities' resilience and awareness of hydro-meteorological risks. The EU volunteers will enhance the level of preparedness and awareness of the institutional stakeholders and of the local volunteers organizations in order to better respond to hydro-meteorological disasters.

Provision of capacity-building support^a

<i>Recipient country/region</i>	<i>Targeted area</i>	<i>Programme or project title</i>	<i>Description of programme or project^{b,c}</i>
Asia (Nepal and Pakistan), Africa (Uganda), Europe (Italy).	Multiple Areas	SHARE Project - Stations at High Altitude for Research on the Environment (2005-2014)	SHARE project - Stations at High Altitude for Research on the Environment was launched in 2005 by the EvK2CNR Committee coordinated by CNR Earth and Environment Department. SHARE Project is an observational network of international and institutional collaborating partners (UNEP, WMO, NASA, ESA and IUCN) with the aim to promote continuous scientific observations in key high-mountain regions, which due to their remoteness from highly populated and industrialized regions are considered to be ideal locations for investigating the impact of climate changes from regional to global scales. The promotion of environmental observations in these areas allows the acquisition of unique information about the background conditions of the environment. It's for these reasons and following the UN resolutions and indications, Ev-K2-CNR launched the SHARE project. In 2012, on the occasion of the World Environment Day (WED 2012) the Ev-K2-CNR Committee has organized a series of school meetings in the Khumbu Valley in Nepal within the SHARE Project, to talk about climate, environment and mountains. Also a drawing competition "Draw your mountains" has been launched to let children express their sense of environment and climate change. Capacity building activity is one of the crucial objectives of SHARE project: local institutions, as the Nepal Academy of Science & Technology, are directly involved in monitoring and research activities assuring support to environmental management policies and decision-making processes. By means of awareness raising, training and technology transfer initiatives, citizens are involved in discovering climate change and its effects on mountain chains and glaciers for a sustainable use. During each field mission carried out by European scientists the involvement of local researchers and technicians for the transferring of scientific and technological knowledge is guaranteed during the usual research activities. Local technicians will be thoroughly trained in the management and maintenance of sophisticated environmental monitoring systems. Furthermore, politicians and local decision-makers are provided with information useful for the definition of national development policies.
Albania	Technology Development and Transfer	Cooperation Agreement on environmental protection between the Ministries of Environment of Italy and Albania (2005-ongoing)	In the framework of the Cooperation Agreement on environmental protection between the Albanian Ministry of Environment, Forestry and Water administration and the Italian Ministry for Environment, Land and Sea, technical support is supplied to Albania for the implementation of the Long Range Transboundary Air Pollution (LRTAP) Convention then the support to the Albanian team to develop capacity to assess and plan air quality on local/urban scale, in particular in urban and industrial areas regulated in the frame of the EU Air Quality Framework Directive 96/92/CE and relative "daughters" Directives. These activities represented the core of the project "Technical support services for pollutant emissions inventories implementation and air quality planning in Albania" (2010).
China	Adaptation	Sino-Italian Climate Change Cooperation Program (march 2011-ongoing)	In the framework of the Sino-Italian Cooperation Program for Environmental Protection (SICP) a new cooperation Program between China and Italy, especially dedicated to Climate Change, has been launched in March 2011 in Beijing with the aims to start a joint program of activities in view of the creation of an international centre on climate change. Joint initiatives are implemented in the field of mitigation and adaptation to climate change, transfer and promotion of low-carbon technologies, studies and researches as scientific support to decision-making. The cooperation program includes the following main projects: <ul style="list-style-type: none"> • Xinjiang Climate Change Implementation Plan: The project's objective is to support Xinjiang province to develop and improve the Regional Climate Change Implementation Plan (published in 2012). Training and workshops were organized to promote the understanding on national policy of environmental protection and climate change. • Media Communications and Public Relations: The project has the objective to build the multi-sector mechanism and multi level network for climate change communication in China. The project has produced "China's Policies and Actions for Addressing Climate Change report (2011)", Media Training for addressing climate change before Durban Conference, a series of workshops and dissemination materials for promoting social awareness. • Carbon Capture and Storage Comprehensive Application and Demonstration Project in Sha'anxi Province: the project has the objective to identify a feasible approach and the best technologies for large scale Carbon Capture, Use and Storage implementation. It is conducting Northern Shaanxi CO2 emission sources investigation and analysis, with the focus on non-power industry. • Capacity Building of Coastal Ecosystems to Climate Change Adaptation: The Project was implemented in Wenzhou city, involving on the Chinese side the State Oceanic Administration and Zhejiang Research Institutes. The objective is to build a methodology to evaluate the climate change effect on the coastal and marine environment, and identify actions for the protection of the coastal and marine environment. The key indicators of human activities and climate change pressure were defined. • Training Program on Climate Change and Sustainable Development: specific courses on "capacity building on climate change" and "climate change: policy, conventions and statistical systems". The training aims at providing Chinese participants with theoretical instruments and practical cases on Italian and European experiences in the field of environmental protection and climate change.

Provision of capacity-building support^a

<i>Recipient country/region</i>	<i>Targeted area</i>	<i>Programme or project title</i>	<i>Description of programme or project^{b,c}</i>
South Eastern Europe	Multiple Areas	OrientGate A network for the integration of climate knowledge into policy and planning SEE Program (South Eastern Europe Program) 2012-2014	<p>The OrientGate project, coordinated by the Euro-Mediterranean Centre on Climate Change (CMCC), aims to implement concerted and coordinated climate adaptation actions across South Eastern Europe (SEE). The partnership comprises 19 financing partners, 11 associates and three observers, covering 13 countries, that together will explore climate risks faced by coastal, rural and urban communities, contributing to a better understanding of the impacts of climate variability and climate change on water regimes, forests and agro ecosystems.</p> <p>Main outputs are a set of web tools, designed to provide access to data and metadata from climate observations and simulations that will be available through a data platform connected to the European Climate Adaptation Platform.</p> <p>Other project outputs will include six pilot studies of specific climate adaptation exercises developed by the project's three thematic centres (Forest and Agriculture, Drought, Water and Coasts, and Urban Adaptation and Health); capacity-building seminars and workshops; and a working partnership among the hydrometeorological services of SEE countries.</p> <p>Among the Italian Partners there are Puglia Region and INGV Istituto Nazionale di Geofisica e Vulcanologia</p>
Algeria, Egypt, Israel, Jordan, Lebanon, Libya, Morocco, Occupied Palestinian Territory, Syrian Arab Republic, Tunisia	Multiple Areas	Clima South: support to climate change mitigation and adaptation in the ENPI South region	<p>The project seeks to enhance regional cooperation between the EU and its southern Mediterranean neighbours and among the partner countries themselves (South-South) on climate change mitigation and adaptation, mainly through capacity development and information sharing. The overarching goal is to support the transition of ENP South countries towards low carbon development and climate resilience.</p> <p>Activities include:</p> <ul style="list-style-type: none"> • Organisation of regional trainings and meetings on mitigation (e.g. monitoring, reporting and verification (MRV) at national and sector level, including the establishment of national greenhouse gas inventories) and about adaptation (data management, vulnerability assessments, national adaptation strategies and plans); • Fostering EU-South and South-South peer-to-peer cooperation by bringing together experts, including academia and civil society, on climate change mitigation and adaptation issues; • Organisation of workshops, trainings and study visits involving the main stakeholders in climate change policy development and implementation; • Creation of a website in Arabic, English and French, as a platform for accessing and sharing information; • Production of targeted climate change material in Arabic, English and French; • Setting up of a flexible expert facility to respond to information and training needs expressed by partner countries' authorities.
Serbia	Technology Development and Transfer	"Environmental Protection Co-Operation" Bilateral Agreement Italy-Serbia (2003-ongoing)	<p>This agreement was aimed at developing a programme of bilateral cooperation in the fields of sustainable development, institutional strengthening and harmonization to both International and European legislative standards according to funds available from the Italian Law 84/2001 on Balkans' reconstruction.</p> <p>More recently the Italian Ministry for the Environment, Land and Sea and the Serbian Ministry of Environment and Spatial Planning, a Memorandum of Understanding (MoU) on May 2009 in order to, among else, maintain and enhance bilateral co-operation in the field of the CDM implementation on the basis of equality, reciprocity and mutual benefit and as an efficient contribution to the sustainable development and the reduction of greenhouse gases emissions.</p>
China	Technology Development and Transfer	Sino-Italian Cooperation Program for Environmental Protection (SICP) (2000-ongoing)	<p>The Sino- Italian Training Program on Sustainable Development and Environmental Management is one of the activities included in the Sino-Italian Cooperation Program (SICP) for Environmental Protection launched in the year 2000 by the Italian Ministry for the Environment, Land and Sea (IMELS), together with the State Environmental Protection Administration of China (SEPA). Capacity Building component of the Training Program now plays an essential role: IMELS promotes advanced international experiences, ideas and management approaches, to strengthen the comprehensive capability of the related staff in the Chinese government, institutions, environmental administration, media and NGOs. It is by far the largest Sino-foreign joint training program for environmental management.</p> <p>Advanced Training Courses organized in collaboration with the Venice International University (VIU):</p> <ul style="list-style-type: none"> • 2013 - Courses on Industrial Energy Efficiency, in China and in Italy, addressed to MIIT (Ministry of Industry and Information Technology) officials, experts and professionals coming from the industry sector to show practical case studies on Italian and European experiences. • 2012 – two Courses at VIU, "Low Carbon Economy": Principles and tools for promoting and developing low carbon cities" addressed to the Environmental Protection Bureaus of Beijing and Shanghai; "Capacity Building on Climate Change": Policy implementation, mitigation and adaptation strategies addressed to the National Development and Reform Commission. • 2011 - Three Courses at the VIU organized with the Chinese Academy of Social Sciences (CASS): "Energy Efficiency and Renewable Energy", aimed to discuss different renewable energy sources (biomass, wind and geothermal systems); "Sustainable Urban Development and Eco-building", dedicated to energy efficiency, sustainable mobility and eco-communities; Session on Damage Assessment for Environmental Pollution Accidents held in Beijing, organized by the Environmental Risk Management and Damage Survey and Assessment Center of the Chinese Academy for Environmental Planning (CAEP). • 2010 - a training course on Sustainable Development in Beijing, in collaboration with the Chinese Academy of Social Sciences (CASS) and the Ministry of Science and Technology of China (MOST). The training is intended to introduce and compare Chinese and Italian approaches to: energy efficiency, eco-building, green economy and climate change.

^a To be reported to the extent possible.

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^b Each Party included in Annex II to the Convention shall provide information, to the extent possible, on how it has provided capacity-building support that responds to the existing and emerging capacity-building needs identified by Parties not included in Annex I to the Convention in the areas of mitigation, adaptation and technology development and transfer.

^c Additional information may be provided on, for example, the measure or activity and co-financing arrangements.