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Item 12 of the provisional agenda
Annual compilation and accounting report for Annex B Parties under the Kyoto Protocol

Annual compilation and accounting report for Annex B Parties under the Kyoto Protocol

Revised note by the secretariat*

Summary

The Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol, by its decision 13/CMP.1, requested the secretariat to begin publishing annual reports containing the initial accounting parameters that were recorded in the compilation and accounting database after the completion of the initial reviews under Article 8 of the Kyoto Protocol for Parties to the Convention that are also Parties to the Kyoto Protocol with commitments inscribed in Annex B to the Kyoto Protocol (Annex B Parties).

This document contains the first such report. It shows the status of submission and review of the initial reports of Annex B Parties and their eligibility to participate in the flexibility mechanisms under the Kyoto Protocol. The document also provides information on base year emissions, assigned amounts, annual emissions of greenhouse gases from sectors listed in Annex A to the Kyoto Protocol, parameters for forest definition, and the election of, and accounting period for, land use, land-use change and forestry activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol.

* This document was submitted after the due date owing to the need for internal consultations.

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I. Introduction

A. Mandate

1. The Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol (CMP), by its decision 13/CMP.1, requested the secretariat to begin publishing the annual compilation and accounting reports referred to in paragraph 61 of the annex to that decision after completion of the initial review under Article 8 of the Kyoto Protocol and resolution of any questions of implementation relating to adjustments under Article 5, paragraph 2, of the Kyoto Protocol, or its assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol and to forward such reports to the CMP, the Compliance Committee and each Party concerned.

2. The CMP, by its decision 22/CMP.1, requested the secretariat to publish all final reports resulting from reviews conducted under Article 8 of the Kyoto Protocol and forward them to the CMP, the Compliance Committee and each Party concerned. These include the reports of the reviews conducted under Article 8 of the Kyoto Protocol of the reports submitted by Parties in accordance with decision 13/CMP.1 (hereinafter referred to as initial review reports).

B. Scope of the note

3. This is the first compilation and accounting report containing the initial accounting parameters that had been recorded in the compilation and accounting database (CAD) by 18 September 2008 after the completion of the initial review under the Kyoto Protocol by expert review teams (ERTs) and the resolution of any questions of implementation. The annual reports for future years will include detailed information on holdings and transactions of Kyoto Protocol units as such information becomes available.

4. The document shows the status of submission and review of the initial reports of Parties to the Convention that are also Parties to the Kyoto Protocol with commitments inscribed in Annex B to the Kyoto Protocol (Annex B Parties) and their eligibility to participate in the flexibility mechanisms under the Kyoto Protocol. The document also provides information on base year emissions¹ under the Kyoto Protocol, the assigned amounts established during the initial review, annual emissions of greenhouse gases (GHGs) from sources listed in Annex A to the Kyoto Protocol, parameters for forest definition, and the election of land use, land-use change and forestry (LULUCF) activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol.

5. Detailed information for individual Parties on their assigned amounts and other information necessary for accounting under the Kyoto Protocol, such as elections of LULUCF activities under Article 3, paragraphs 3 and 4, and the accounting period for each elected activity, is contained in the addendum to this report.²

C. Possible action by the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol

6. The CMP may wish to consider the information contained in this document together with the initial review reports and to refer this item to the Subsidiary Body for Implementation to prepare a draft decision or conclusions.

¹ Base year in this report refers to the base year defined under the Kyoto Protocol, unless otherwise indicated.

² FCCC/KP/CMP/2008/9/Add.1.

II. Status of reporting and eligibility

A. Timeliness of submissions and status of review process

7. Decision 13/CMP.1 requires all Annex B Parties to submit their initial reports to the secretariat, prior to 1 January 2007 or one year after the entry into force of the Kyoto Protocol for that Party, whichever is later, in order to facilitate the calculation of their assigned amounts pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the commitment period and demonstrate their capacity to account for their emissions and assigned amounts.

8. Table 1 presents the status of submission and review of the initial reports. There are 39 Annex B Parties including Belarus, which was included in Annex B to the Kyoto Protocol with a quantified emission reduction commitment of 92 per cent through an amendment to Annex B,³ and the European Community.⁴ All 39 Annex B Parties submitted their initial reports; 34 of these submitted their initial reports by the date stipulated by decision 13/CMP.1, and five (Bulgaria, Canada, Iceland, Romania and Russian Federation) submitted their initial reports after the stipulated deadline, which for those Parties was 1 January 2007.

9. The information contained in the initial reports was subject to technical review in accordance with the "Guidelines for review under Article 8 of the Kyoto Protocol".⁵ As at 18 September 2008, the initial reviews had been completed, and the review reports for 36 out of 39 Annex B Parties published and forwarded to the Compliance Committee. The parameters stemming from the initial review that facilitate the calculation of assigned amounts and eligibility to participate in the flexibility mechanisms under the Kyoto Protocol have been recorded in the CAD for all Annex B Parties reviewed.

Table 1. Status of the submission and review of the initial reports

| Party | Kyoto Protocol ratification date | Initial report submission date | Initial report submitted on time ^a | Status of review by the ERT | Review report symbol |
|----------------------|----------------------------------|--------------------------------|---|-----------------------------|----------------------|
| Australia | 12 December 2007 | 11 March 2008 | Yes | In progress | - |
| Austria | 31 May 2002 | 5 December 2006 | Yes | Completed | FCCC/IRR/2007/AUT |
| Belarus ^b | 26 August 2005 | 31 October 2006 | Yes | Not started | - |
| Belgium | 31 May 2002 | 22 December 2006 | Yes | Completed | FCCC/IRR/2007/BEL |
| Bulgaria | 15 August 2002 | 25 July 2007 ^c | No | Completed | FCCC/IRR/2007/BGR |
| Canada | 17 December 2002 | 15 March 2007 ^c | No | Completed | FCCC/IRR/2007/CAN |
| Croatia | 30 May 2007 | 27 August 2008 | Yes | Not started | - |
| Czech Republic | 15 November 2001 | 24 October 2006 | Yes | Completed | FCCC/IRR/2007/CZE |
| Denmark | 31 May 2002 | 20 December 2006 | Yes | Completed | FCCC/IRR/2007/DNK |
| Estonia | 14 October 2002 | 15 December 2006 | Yes | Completed | FCCC/IRR/2007/EST |
| European Community | 31 May 2002 | 18 December 2006 | Yes | Completed | FCCC/IRR/2007/EC |
| Finland | 31 May 2002 | 22 December 2006 | Yes | Completed | FCCC/IRR/2007/FIN |
| France | 31 May 2002 | 21 December 2006 | Yes | Completed | FCCC/IRR/2007/FRA |
| Germany | 31 May 2002 | 27 December 2006 | Yes | Completed | FCCC/IRR/2007/DEU |

³ Decision 10/CMP.2.

⁴ The 15 member States that were members of the European Community prior to May 2004 (Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden and United Kingdom of Great Britain and Northern Ireland).

⁵ Decision 22/CMP.1, annex.

Table 1. (continued)

| Party | Kyoto Protocol ratification date | Initial report submission date | Initial report submitted on time ^a | Status of review by the ERT | Review report symbol |
|--|----------------------------------|--------------------------------|---|-----------------------------|----------------------|
| Greece | 31 May 2002 | 29 December 2006 | Yes | Completed | FCCC/IRR/2007/GRC |
| Hungary | 21 August 2002 | 30 August 2006 | Yes | Completed | FCCC/IRR/2007/HUN |
| Iceland | 23 May 2002 | 11 January 2007 ^c | No | Completed | FCCC/IRR/2007/ISL |
| Ireland | 31 May 2002 | 19 December 2006 | Yes | Completed | FCCC/IRR/2007/IRL |
| Italy | 31 May 2002 | 19 December 2006 | Yes | Completed | FCCC/IRR/2007/ITA |
| Japan | 4 June 2002 | 30 August 2006 | Yes | Completed | FCCC/IRR/2007/JPN |
| Latvia | 5 July 2002 | 29 December 2006 | Yes | Completed | FCCC/IRR/2007/LVA |
| Liechtenstein | 3 December 2004 | 22 December 2006 | Yes | Completed | FCCC/IRR/2007/LIE |
| Lithuania | 3 January 2003 | 22 December 2006 | Yes | Completed | FCCC/IRR/2007/LTU |
| Luxembourg | 31 May 2002 | 29 December 2006 | Yes | Completed | FCCC/IRR/2007/LUX |
| Monaco | 27 February 2006 | 7 May 2007 | Yes | Completed | FCCC/IRR/2007/MCO |
| Netherlands | 31 May 2002 | 21 December 2006 | Yes | Completed | FCCC/IRR/2007/NLD |
| New Zealand | 19 December 2002 | 31 August 2006 | Yes | Completed | FCCC/IRR/2007/NZL |
| Norway | 30 May 2002 | 22 December 2006 | Yes | Completed | FCCC/IRR/2007/NOR |
| Poland | 13 December 2002 | 29 December 2006 | Yes | Completed | FCCC/IRR/2007/POL |
| Portugal | 31 May 2002 | 28 December 2006 | Yes | Completed | FCCC/IRR/2007/PRT |
| Romania | 19 March 2001 | 18 May 2007 ^c | No | Completed | FCCC/IRR/2007/ROU |
| Russian Federation | 18 November 2004 | 20 February 2007 ^c | No | Completed | FCCC/IRR/2007/RUS |
| Slovakia | 31 May 2002 | 4 October 2006 | Yes | Completed | FCCC/IRR/2007/SVK |
| Slovenia | 2 August 2002 | 22 December 2006 | Yes | Completed | FCCC/IRR/2007/SVN |
| Spain | 31 May 2002 | 19 December 2006 | Yes | Completed | FCCC/IRR/2007/ESP |
| Sweden | 31 May 2002 | 19 December 2006 | Yes | Completed | FCCC/IRR/2007/SWE |
| Switzerland | 9 July 2003 | 10 November 2006 | Yes | Completed | FCCC/IRR/2007/CHE |
| Ukraine | 12 April 2004 | 29 December 2006 | Yes | Completed | FCCC/IRR/2007/UKR |
| United Kingdom of Great Britain and Northern Ireland | 31 May 2002 | 11 December 2006 | Yes | Completed | FCCC/IRR/2007/GBR |

Abbreviation: ERT = expert review team.

^a Initial reports must be submitted by Parties prior to 1 January 2007 or one year after the entry into force of the Kyoto Protocol for the Party, whichever is later.

^b Belarus was included in Annex B to the Kyoto Protocol with a quantified emission reduction commitment of 92 per cent through an amendment to Annex B (decision 10/CMP.2). As at 18 September 2008, this amendment had not yet entered into force.

^c Submitted after the deadline.

10. This report contains information on 36 out of the 39 Annex B Parties that had been recorded in the CAD by 18 September 2008. At the time when this document was prepared, the initial review for Australia was still in progress. Belarus has submitted its initial report, but the review of this report has not been initiated, because the amendment to include Belarus in Annex B to the Kyoto Protocol has not been ratified by the required number of Parties and therefore has not yet entered into force. Croatia became a Party to the Kyoto Protocol on 28 August 2007 and submitted its initial report on 27 August 2008; the initial review for Croatia should be completed by 27 August 2009.

11. Of the 36 initial review reports forwarded to the Compliance Committee, two (Canada and Greece) contained a question of implementation: that of Canada related to its national registry and that of Greece to its national system. The outcomes of the consideration of these questions of implementation by the Compliance Committee are discussed in more detail in paragraphs 16 and 17 below.

B. Status of eligibility

12. According to decisions 3/CMP.1, 9/CMP.1 and 11/CMP.1, the eligibility criteria for a Party to participate in the flexibility mechanisms under the Kyoto Protocol include the following:

- (a) The Party is a Party to the Kyoto Protocol;
- (b) The Party's assigned amount pursuant to Article 3, paragraphs 7 and 8, has been calculated and recorded in accordance with decision 13/CMP.1;
- (c) The Party has in place a national system that is in compliance with the requirements established under Article 5, paragraph 1, and the requirements in the guidelines decided thereunder;⁶
- (d) The Party has in place a national registry in accordance with Article 7, paragraph 4, and the requirements in the guidelines decided thereunder;⁷
- (e) The Party has submitted annually the most recent required inventory, in accordance with Article 5, paragraph 2, and Article 7, paragraph 1, and the requirements in the guidelines decided thereunder, including the national inventory report and the common reporting format.⁸ For the first commitment period, the quality assessment needed for determining eligibility to use the mechanisms shall be limited to the parts of the inventory pertaining to emissions of GHGs from the sources listed in Annex A to the Kyoto Protocol and the submission of the annual inventory on sinks;
- (f) The Party has submitted supplementary information on its assigned amount in accordance with Article 7, paragraph 1, and the requirements in the guidelines decided thereunder⁹ and made any additions to, and subtractions from, its assigned amount pursuant to Article 3, paragraphs 7 and 8, including for the activities under Article 3, paragraphs 3 and 4, in accordance with Article 7, paragraph 4, and the requirements in the guidelines decided thereunder.¹⁰

13. As this report covers only Parties to the Kyoto Protocol, criterion (a) is fulfilled for all Parties. Criterion (f) will become relevant during the future annual review process and therefore is not considered in this document.

14. The current status of eligibility to participate in the flexibility mechanisms under the Kyoto Protocol is based on the information submitted for the initial review process. Thirty-six Annex B Parties had been reviewed by 18 September 2008: of these, 35 fulfilled all the eligibility criteria and 34 became eligible to participate in all Kyoto Protocol mechanisms (see table 2). Bulgaria submitted its initial report on 25 July 2007 and will become eligible to participate in all flexibility mechanisms under the Kyoto Protocol on 25 November 2008.

15. No values are given in table 2 for Australia, Belarus and Croatia because, for these Parties, the review of the initial report is either still in progress or not yet initiated.

⁶ Decision 19/CMP.1.

⁷ Decision 13/CMP.1.

⁸ Decision 15/CMP.1.

⁹ Decision 13/CMP.1.

¹⁰ Decision 13/CMP.1.

Table 2. Status of eligibility to participate in the Kyoto Protocol mechanisms

| Party | Eligibility to participate in all Kyoto Protocol flexibility mechanisms | Date of establishing eligibility |
|--|--|---|
| Australia ^a | - | - |
| Austria | Yes | 5 April 2008 |
| Belarus ^a | - | - |
| Belgium | Yes | 22 April 2008 |
| Bulgaria ^b | Yes | 25 November 2008 |
| Canada | Yes | 16 June 2008 |
| Croatia ^a | - | - |
| Czech Republic | Yes | 24 February 2008 |
| Denmark | Yes | 20 April 2008 |
| Estonia | Yes | 15 April 2008 |
| European Community | Yes | 18 April 2008 |
| Finland | Yes | 22 April 2008 |
| France | Yes | 21 April 2008 |
| Germany | Yes | 27 April 2008 |
| Greece | No | 29 April 2008 ^c |
| Hungary | Yes | 1 January 2008 |
| Iceland | Yes | 11 May 2008 |
| Ireland | Yes | 19 April 2008 |
| Italy | Yes | 19 April 2008 |
| Japan | Yes | 1 January 2008 |
| Latvia | Yes | 29 April 2008 |
| Liechtenstein | Yes | 22 April 2008 |
| Lithuania | Yes | 22 April 2008 |
| Luxembourg | Yes | 29 April 2008 |
| Monaco | Yes | 7 September 2008 |
| Netherlands | Yes | 21 April 2008 |
| New Zealand | Yes | 1 January 2008 |
| Norway | Yes | 22 April 2008 |
| Poland | Yes | 29 April 2008 |
| Portugal | Yes | 28 April 2008 |
| Romania | Yes | 18 September 2008 |
| Russian Federation | Yes | 20 June 2008 |
| Slovakia | Yes | 4 February 2008 |
| Slovenia | Yes | 22 April 2008 |
| Spain | Yes | 19 April 2008 |
| Sweden | Yes | 19 April 2008 |
| Switzerland | Yes | 10 March 2008 |
| Ukraine | Yes | 29 April 2008 |
| United Kingdom of Great Britain and Northern Ireland | Yes | 11 April 2008 |

^a No values are given for Australia, Belarus and Croatia because the review of their initial reports is either in progress or not yet initiated.

^b Bulgaria submitted its initial report on 25 July 2007 and it will become eligible to participate in all the Kyoto Protocol mechanisms on 25 November 2008.

^c Greece is eligible to participate in joint implementation (Track 2) projects as it fulfils the following criteria: (1) it is a Party to the Kyoto Protocol; (2) its assigned amount is calculated and recorded in the compilation and accounting database; and (3) it has a national registry in place.

16. As explained in paragraph 11 above, the ERTs formulated a question of implementation each for Greece and Canada. The enforcement branch of the Compliance Committee at its fourth meeting¹¹ determined that Greece was not in compliance with the “Guidelines for national systems under Article 5,

¹¹ CC-2007-1-8/Greece/EB, available at http://unfccc.int/files/kyoto_protocol/compliance/enforcement_branch/application/pdf/cc-2007-1-8_greece_eb_final_decision.pdf.

paragraph 1, of the Kyoto Protocol”¹² and the “Guidelines for the preparation of the information required under Article 7 of the Kyoto Protocol”.¹³ Greece is therefore not eligible to participate in the mechanisms under Articles 6, 12 and 17 of the Kyoto Protocol pending the resolution of the question of implementation. However, Greece is eligible to participate in joint implementation (Track 2), which requires verification of project emission reductions to occur through the Joint Implementation Supervisory Committee procedures.¹⁴

17. The enforcement branch of the Compliance Committee at its fifth meeting¹⁵ decided not to proceed further with the question of implementation relating to the eligibility requirements indicated in the initial review report of Canada and hence Canada became eligible to participate in all flexibility mechanisms under the Kyoto Protocol on 16 June 2008.

III. Main accounting parameters

A. Base year emissions and assigned amounts

18. Table 3 shows details of base year emissions and assigned amounts for the first commitment period under the Kyoto Protocol for each Annex B Party. Article 3, paragraph 8, of the Kyoto Protocol allows any Party included in Annex I to the Convention to use 1995 as its base year for fluorinated gases (F-gases), for the purposes of calculating its assigned amount. Accordingly, 24 out of 39 Annex B Parties elected to use 1995 as the base year for F-gases while all other Parties, excluding the European Community, used the same base year for all the GHGs. The European Community has multiple base years (1990 or 1995) for F-gases, depending on the base year elected by the individual member States. The information on base years for F-gases for Australia, Belarus and Croatia is not yet available in the CAD because, for these Parties, the review of the initial report is either still in progress or has not yet started.

19. In accordance with decision 13/CMP.1, annex, paragraph 5 (b), those Parties for which the LULUCF sector constituted a net source of GHG emissions in the base year shall include in their emissions during that year the aggregate anthropogenic carbon dioxide equivalent (CO₂ eq) emissions by sources minus removals by sinks reported in relation to the conversion of forests (deforestation) in that year. The following Parties included net emissions from LULUCF (deforestation) in their total GHG emissions for the base year:

- (a) Ireland: 4,419 t CO₂ eq;
- (b) Netherlands: 38,676 t CO₂ eq;
- (c) Portugal: 981,203 t CO₂ eq;
- (d) United Kingdom of Great Britain and Northern Ireland: 365,593 t CO₂ eq.

¹² Decision 19/CMP.1.

¹³ Decision 15/CMP.1.

¹⁴ Decision 9/CMP.1.

¹⁵ CC-2008-1-6/Canada/EB, available at
<http://unfccc.int/files/kyoto_protocol/compliance/enforcement_branch/application/pdf/cc-2008-1-6_canada_eb_decision_not_to_proceed_further.pdf>.

Table 3. Base year emissions and assigned amounts for the first commitment period under the Kyoto Protocol

| Party | Base year defined under the Kyoto Protocol ^a | | Base year emissions, t CO ₂ eq | Emission reduction/limitation target, % of base year level | | Assigned amounts, t CO ₂ eq |
|--|---|--------------|---|--|------------------------|--|
| | CO ₂ , CH ₄ , N ₂ O | F-gases | | Annex B | Article 4 ^b | |
| | Australia ^c | 1990 | | NA | NA | |
| Austria | 1990 | 1990 | 79 049 657 | 92 | 87 | 343 866 009 |
| Belarus ^c | 1990 | NA | NA | 92 | - | NA |
| Belgium | 1990 | 1995 | 145 728 763 | 92 | 92.5 | 673 995 528 |
| Bulgaria | 1988 | 1995 | 132 618 658 | 92 | - | 610 045 827 |
| Canada | 1990 | 1990 | 593 998 462 | 94 | - | 2 791 792 771 |
| Croatia ^c | 1990 | NA | NA | 95 | - | NA |
| Czech Republic | 1990 | 1995 | 194 248 218 | 92 | - | 893 541 801 |
| Denmark | 1990 | 1995 | 69 978 070 | 92 | 79 | 276 838 955 |
| Estonia | 1990 | 1995 | 42 622 312 | 92 | - | 196 062 637 |
| European Community | 1990 | 1990 or 1995 | 4 265 517 719 | 92 | 92 | 19 621 381 509 |
| Finland | 1990 | 1995 | 71 003 509 | 92 | 100 | 355 017 545 |
| France | 1990 | 1990 | 563 925 328 | 92 | 100 | 2 819 626 640 |
| Germany | 1990 | 1995 | 1 232 429 543 | 92 | 79 | 4 868 096 694 |
| Greece | 1990 | 1995 | 106 987 169 | 92 | 125 | 668 669 806 |
| Hungary | 1985–87 | 1995 | 115 397 149 | 94 | - | 542 366 600 |
| Iceland | 1990 | 1990 | 3 367 972 | 110 | - | 18 523 847 |
| Ireland | 1990 | 1995 | 55 607 836 | 92 | 113 | 314 184 272 |
| Italy | 1990 | 1990 | 516 850 887 | 92 | 93.5 | 2 416 277 898 |
| Japan | 1990 | 1995 | 1 261 331 418 | 94 | - | 5 928 257 666 |
| Latvia | 1990 | 1995 | 25 909 159 | 92 | - | 119 182 130 |
| Liechtenstein | 1990 | 1990 | 229 483 | 92 | - | 1 055 623 |
| Lithuania | 1990 | 1995 | 49 414 386 | 92 | - | 227 306 177 |
| Luxembourg | 1990 | 1995 | 13 167 499 | 92 | 72 | 47 402 996 |
| Monaco | 1990 | 1995 | 107 658 | 92 | - | 495 221 |
| Netherlands | 1990 | 1995 | 213 034 498 | 92 | 94 | 1 001 262 141 |
| New Zealand | 1990 | 1990 | 61 912 947 | 100 | - | 309 564 733 |
| Norway | 1990 | 1990 | 49 619 168 | 101 | - | 250 576 797 |
| Poland | 1988 | 1995 | 563 442 774 | 94 | - | 2 648 181 038 |
| Portugal | 1990 | 1995 | 60 147 642 | 92 | 127 | 381 937 527 |
| Romania | 1989 | 1989 | 278 225 022 | 92 | - | 1 279 835 099 |
| Russian Federation | 1990 | 1995 | 3 323 419 064 | 100 | - | 16 617 095 319 |
| Slovakia | 1990 | 1990 | 72 050 764 | 92 | - | 331 433 516 |
| Slovenia | 1986 | 1995 | 20 354 042 | 92 | - | 93 628 593 |
| Spain | 1990 | 1995 | 289 773 205 | 92 | 115 | 1 666 195 929 |
| Sweden | 1990 | 1995 | 72 151 646 | 92 | 104 | 375 188 561 |
| Switzerland | 1990 | 1990 | 52 790 957 | 92 | - | 242 838 402 |
| Ukraine | 1990 | 1990 | 920 836 933 | 100 | - | 4 604 184 663 |
| United Kingdom of Great Britain and Northern Ireland | 1990 | 1995 | 779 904 144 | 92 | 87.5 | 3 412 080 630 |
| Total^d | - | - | 12 027 414 265 | - | - | 57 327 349 969 |

Abbreviations: F-gases = fluorinated gases, NA = not available.

^a Parties included in Annex I to the Convention may choose to use 1995 as the base year for total emissions of F-gases (hydrofluorocarbons, perfluorocarbons and sulphur hexafluoride), in accordance with Article 3, paragraph 8, of the Kyoto Protocol.

^b Fifteen member States of the European Community agreed to meet their targets jointly in accordance with Article 4, paragraph 1, of the Kyoto Protocol.

^c No values for base year for F-gases, total greenhouse gas emissions in base year and assigned amounts for Australia, Belarus and Croatia are given because, for these Parties, the review of the initial report is either still in progress or has not yet started.

^d The total includes the assignment amount of the European Community but does not include the assignment amounts of the individual member States to avoid double counting.

20. The total GHG emissions from Annex B Parties¹⁶ in the base year amounted to 12,027.4 Mt CO₂ eq including total GHG emissions of 12,026.0 Mt CO₂ eq from the sources listed in Annex A to the Kyoto Protocol and emissions from LULUCF (net emissions and removals in the base year from the conversion of forests (deforestation)) of 1.4 Mt CO₂ eq.
21. The total GHG emissions in the base year for the European Community amounted to 4,265.5 Mt CO₂ eq including GHG emissions of 4,264.1 Mt CO₂ eq from the sources listed in Annex A to the Kyoto Protocol and emissions from LULUCF (net emissions and removals in the base year from the conversion of forests (deforestation)) of 1.4 Mt CO₂ eq.
22. In the base year, Annex B Parties with economies in transition (EIT Parties) accounted for 47.7 per cent of total GHG emissions and the rest of the Annex B Parties excluding the European Community accounted for 52.3 per cent of the total GHG emissions. Emissions of CO₂, nitrous oxide and methane combined constituted 98.6 per cent of the total GHG emissions in the base year.
23. The assigned amount for the first commitment period for a Party is calculated as the percentage inscribed for it in Annex B to the Kyoto Protocol of its aggregate anthropogenic CO₂ eq emissions of the GHGs from sources listed in Annex A to the Kyoto Protocol in the base year, multiplied by five. In accordance with Article 4, paragraph 1, the assigned amounts for 15 member States of the European Community have been calculated under the burden-sharing agreement of the European Union. Based on the information provided in the initial reports, assigned amounts for the first commitment period have been established for 36 Parties. The assigned amounts for Australia, Belarus and Croatia have not yet been established.
24. For the first commitment period, the total assigned amount¹⁷ for all Annex B Parties taken together is 57 327 349 969 t CO₂ eq, with EIT Parties and the rest of the Annex B Parties accounting for 49.1 and 50.9 per cent, respectively. The total assigned amount for the European Community for the first commitment period is 19,621,381,509 t CO₂ eq.
25. Table 4 summarizes the total aggregate GHG emissions in the base year and the assigned amounts.

Table 4. Summary of total greenhouse gas emissions in base year and assigned amount units

| | Total greenhouse gas emissions in base year, t CO ₂ eq | Assigned amounts for the commitment period, t CO ₂ eq | Annual average assigned amounts, ^a t CO ₂ eq | Ratio of annual average assigned amounts to total greenhouse gas emissions (base year), % |
|--------------------|---|--|--|---|
| Annex B EITs | 5 738 538 481 | 28 162 863 400 | 5 632 572 680 | 98.15 |
| Annex B non-EITs | 6 288 875 784 | 29 164 486 569 | 5 832 897 314 | 92.75 |
| Annex B Parties | 12 027 414 265 | 57 327 349 969 | 11 465 469 994 | 95.33 |
| European Community | 4 265 517 719 | 19 621 381 509 | 3 924 276 302 | 92.00 |

Abbreviations: Annex B Parties = Parties to the Convention that are also Parties to the Kyoto Protocol with commitments inscribed in Annex B to the Kyoto Protocol (taken together), Annex B EITs = Annex B Parties with economies in transition, Annex B non-EITs = Annex B Parties that do not have economies in transition.

Note: The table does not contain information on Australia, Belarus and Croatia because, for these Parties, the review of the initial report is either still in progress or has not yet started.

^a Annual average assigned amounts are computed by dividing the total assigned amounts for the commitment period by five.

¹⁶ Not including emissions from Australia, Belarus and Croatia. The total includes emissions of the European Community but does not include emissions of the individual member States in order to avoid double counting.

¹⁷ Not including assigned amounts for Australia, Belarus and Croatia. The total includes the assigned amount of the European Community but does not include the assigned amounts of the individual member States to avoid double counting.

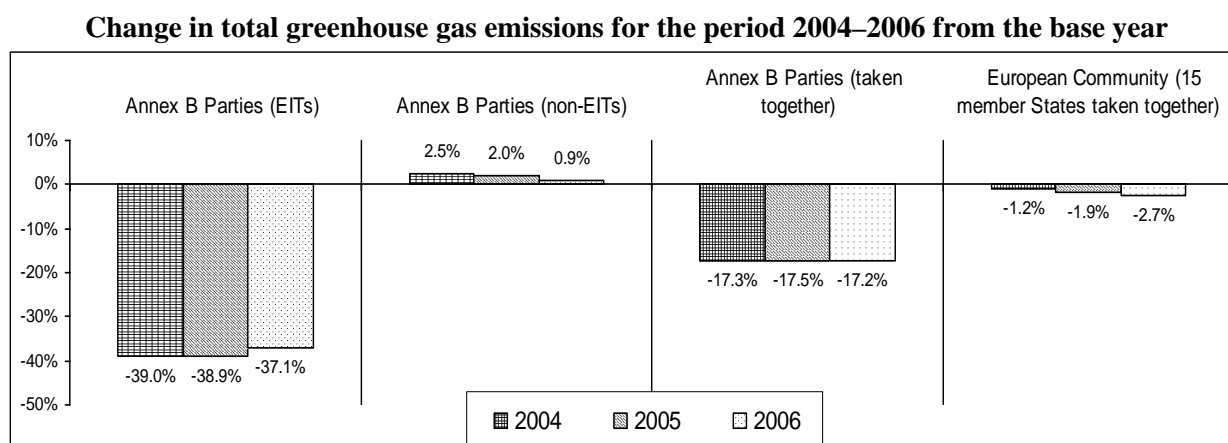
B. Holdings and transactions of Kyoto Protocol units

26. In 2007, no transaction of Kyoto Protocol units took place for any Annex B Parties except for the initial issuance of assigned amount units (AAUs) by national registries of the following Parties: Japan (5,928,257,666 AAUs), New Zealand (309,564,733 AAUs) and Switzerland (5,000,000 AAUs). Japan and Switzerland also received 12,813,402 and 302,480 units of certified emission reductions, respectively, from the clean development mechanism registry.

C. Annual greenhouse gas emissions from sources listed in Annex A to the Kyoto Protocol

27. The data on total GHG emissions from the sources listed in Annex A to the Kyoto Protocol from inventory submissions of 2008 for 2004, 2005 and 2006 are compared against the total GHG emissions in the base year in the figure below. The total GHG emissions in the base year include emissions from LULUCF (net emissions and removals in the base year from the conversion of forests (deforestation)). Note that the figure is for information only and cannot be used as an indication of compliance, because the effects of using the flexibility mechanisms under the Kyoto Protocol are not taken into account.

28. The figure shows changes in total GHG emissions for the period 2004–2006 from the base year for Annex B Parties taken together, EIT Parties and the rest of the Annex B Parties. In 2006, the total GHG emissions were 17.2 per cent lower than the base year level for all Annex B Parties taken together. During the period 2004–2006, the total GHG emissions from EIT Parties showed a slight upward trend while those from the other Parties showed a downward trend. The total GHG emissions for the European Community also demonstrated a downward trend for the period 2004–2006.



Abbreviations: Annex B Parties = Parties to the Convention that are also Parties to the Kyoto Protocol with commitments inscribed in Annex B to the Kyoto Protocol, Annex B Parties (EITs) = Annex B Parties with economies in transition, Annex B Parties (non-EITs) = Annex B Parties that do not have economies in transition.

Note: The figure does not include emissions from Australia, Belarus and Croatia for the period 2004–2006. The emissions data are available for the period 2004–2006 but there is no information on the base year emissions; in order to be consistent in the analysis, the emissions for the period 2004–2006 have not been included in the figure.

D. Parameters for forest definition and election of activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol and accounting periods

29. Table 5 shows the parameters for forest definition selected by Parties. The annex to decision 16/CMP.1 provides a definition of forest as land with a minimum area of 0.05–1.0 hectare with tree crown cover (or equivalent stocking level) of more than 10–30 per cent with trees with the potential to reach a minimum height of 2–5 metres at maturity in situ. The definition adopted by all Annex B Parties for forest meets these criteria.

30. As shown in table 6, 28 Parties chose to account for the LULUCF activities under Article 3, paragraph 3, for the entire commitment period (once at the end of the commitment period) and seven chose to account annually. Eleven Parties elected not to account for any of the LULUCF activities under Article 3, paragraph 4, while each of the other Parties chose at least one of them. A summary of the number of Parties with the election of different activities and accounting period for each of those elected activities under Article 3, paragraph 4, is shown below in table 7.

Table 5. Parameters for forest definition for the first commitment period under the Kyoto Protocol

| Party | Minimum tree cover, % | Minimum land area, hectares | Minimum tree height, metres |
|--|------------------------------|------------------------------------|------------------------------------|
| Austria | 0.30 | 0.05 | 2.00 |
| Belgium | 0.20 | 0.50 | 5.00 |
| Bulgaria | 0.10 | 0.10 | 5.00 |
| Canada | 0.25 | 1.00 | 5.00 |
| Czech Republic | 0.30 | 0.05 | 2.00 |
| Denmark | 0.10 | 0.50 | 5.00 |
| Estonia | 0.30 | 0.50 | 2.00 |
| Finland | 0.10 | 0.50 | 5.00 |
| France | 0.10 | 0.50 | 5.00 |
| Germany | 0.10 | 0.10 | 5.00 |
| Greece | 0.25 | 0.30 | 2.00 |
| Hungary | 0.30 | 0.50 | 5.00 |
| Iceland | 0.10 | 0.50 | 2.00 |
| Ireland | 0.20 | 0.10 | 5.00 |
| Italy | 0.10 | 0.50 | 5.00 |
| Japan | 0.30 | 0.30 | 5.00 |
| Latvia | 0.20 | 0.10 | 5.00 |
| Liechtenstein | 0.20 | 0.06 | 3.00 |
| Lithuania | 0.30 | 0.10 | 5.00 |
| Luxembourg | 0.10 | 0.50 | 5.00 |
| Monaco | 0.10 | 0.50 | 5.00 |
| Netherlands | 0.20 | 0.50 | 5.00 |
| New Zealand | 0.30 | 1.00 | 5.00 |
| Norway | 0.10 | 0.50 | 5.00 |
| Poland | 0.10 | 0.10 | 2.00 |
| Portugal | 0.10 | 1.00 | 5.00 |
| Romania | 0.10 | 0.25 | 5.00 |
| Russian Federation | 0.18 | 1.00 | 5.00 |
| Slovakia | 0.20 | 0.30 | 5.00 |
| Slovenia | 0.30 | 0.25 | 2.00 |
| Spain | 0.20 | 1.00 | 3.00 |
| Sweden | 0.10 | 0.50 | 5.00 |
| Switzerland | 0.20 | 0.06 | 3.00 |
| Ukraine | 0.30 | 0.10 | 5.00 |
| United Kingdom of Great Britain and Northern Ireland | 0.20 | 0.10 | 2.00 |

Note: The figures above do not include Australia, Belarus and Croatia because, for these Parties, the review of the initial report is either still in progress or has not yet started. The European Community does not have specific values for forest definition because the definitions adopted by its member States are different.

Table 6. Election of activities and accounting period under Article 3, paragraph 4, of the Kyoto Protocol and election of accounting period under Article 3, paragraph 3, of the Kyoto Protocol

| Party | Article 3, paragraph 4, activities | | | | Accounting period under Article 3, paragraph 3 ^a |
|--|------------------------------------|---------------------|-------------------------|--------------|---|
| | Forest management | Cropland management | Grazing land management | Revegetation | |
| Austria | NA | NA | NA | NA | CP |
| Belgium | NA | NA | NA | NA | CP |
| Bulgaria | NA | NA | NA | NA | CP |
| Canada | NA | CP | NA | NA | CP |
| Czech Republic | CP | NA | NA | NA | CP |
| Denmark | A | A | A | NA | A |
| Estonia | NA | NA | NA | NA | CP |
| Finland | CP | NA | NA | NA | CP |
| France | A | NA | NA | NA | A |
| Germany | CP | NA | NA | NA | CP |
| Greece | CP | NA | NA | NA | CP |
| Hungary | A | NA | NA | NA | A |
| Iceland | NA | NA | NA | CP | CP |
| Ireland | NA | NA | NA | NA | CP |
| Italy | CP | NA | NA | NA | CP |
| Japan | CP | NA | NA | CP | CP |
| Latvia | CP | NA | NA | NA | CP |
| Liechtenstein | NA | NA | NA | NA | A |
| Lithuania | CP | NA | NA | NA | CP |
| Luxembourg | NA | NA | NA | NA | CP |
| Monaco | NA | NA | NA | NA | A |
| Netherlands | NA | NA | NA | NA | CP |
| New Zealand | NA | NA | NA | NA | CP |
| Norway | CP | NA | NA | NA | CP |
| Poland | CP | NA | NA | NA | CP |
| Portugal | CP | CP | CP | NA | CP |
| Romania | CP | NA | NA | CP | CP |
| Russian Federation | A | NA | NA | NA | A |
| Slovakia | NA | NA | NA | NA | CP |
| Slovenia | CP | NA | NA | NA | CP |
| Spain | CP | CP | NA | NA | CP |
| Sweden | CP | NA | NA | NA | CP |
| Switzerland | A | NA | NA | NA | A |
| Ukraine | CP | NA | NA | NA | CP |
| United Kingdom of Great Britain and Northern Ireland | CP | NA | NA | NA | CP |

Abbreviations: A = annual, CP = entire commitment period, NA = no accounting.

Note: (1) The figures above do not include Australia, Belarus and Croatia because, for these Parties, the review of the initial report is either still in progress or has not yet started. (2) The European Community does not have specific values for these parameters because the activities elected under Article 3, paragraphs 3 and 4, of the Kyoto Protocol and the accounting periods for those activities are different for each member State.

^a Accounting for land use, land-use change and forestry activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) is mandatory.

Table 7. Summary of election by Parties of activities under Article 3, paragraph 4, of the Kyoto Protocol

| Activities under Article 3, paragraph 4, of the Kyoto Protocol | Number of Parties by type of accounting period elected | | |
|--|--|----------|--------------------------|
| | No accounting | Annually | Entire commitment period |
| Forest management | 13 | 5 | 17 |
| Cropland management | 31 | 1 | 3 |
| Grazing land management | 33 | 1 | 1 |
| Revegetation | 32 | 0 | 3 |

Note: (1) The figures above do not include Australia, Belarus and Croatia because, for these Parties, the review of the initial report is either still in progress or has not yet started. (2) The table does not include the European Community; this Party does not have specific values for the parameters because the land use, land-use change and forestry activities and accounting periods elected for those activities under Article 3, paragraph 4, of the Kyoto Protocol are different for each member State.
