



Annual status report of the annual inventory of Portugal

1. This status report was prepared by the expert review team as part of the initial check of the annual inventory submitted in accordance with decision 15/CMP.1. It reflects the content of the inventory submission of 2013 as originally submitted by the Party and of the resubmission received by 27 May.

2. In this report, the following abbreviations are used:

| | |
|---|--|
| AAU: assigned amount unit | <i>Notation keys</i> |
| CER: certified emission reduction | C: confidential |
| CRF: common reporting format | IE: included elsewhere |
| ERU: emission reduction unit | NA: not applicable |
| GHG: greenhouse gas | NE: not estimated |
| KP-LULUCF: Article 3, paragraphs 3 and 4, activities under the Kyoto Protocol | NO: not occurring |
| ICER: long-term certified emission reduction | <i>Gases</i> |
| LULUCF: land use, land-use change and forestry | CO ₂ : carbon dioxide |
| NIR: national inventory report | CH ₄ : methane |
| RMU: removal unit | N ₂ O: nitrous oxide |
| SBDT: sectoral background data tables | HFCs: hydrofluorocarbons |
| SEF: standard electronic format | PFCs: perfluorocarbons |
| SOPU: solvent and other product use | SF ₆ : sulphur hexafluoride |
| tCER: temporary certified emission reduction | NO _x : nitrogen oxides |
| | CO: carbon monoxide |
| | NMVOCs: non-methane volatile organic compounds |
| | SO ₂ : sulphur dioxide |

| GREENHOUSE GAS INVENTORY SUBMISSION | | | | | | | | | | | |
|-------------------------------------|---|--|--|----------------------|------|----------|-----------------|-----------------|----|--------|-----------------|
| General information | | Date of receipt | | Date of resubmission | | Comments | | | | | |
| | NIR | 15 April 2013 | | 24 May 2013 | | | | | | | |
| | CRF tables ^a | 15 April 2013 | | 24 May 2013 | | | | | | | |
| | Additional information ^b | | | | | | | | | | |
| | CRF provided for years | 1990–2011 | | | | | | | | | |
| | Base year or period ^c | 1990 | Base year for HFCs, PFCs and SF ₆ ^d | | | | 1995 | | | | |
| | Gases covered | CO ₂ | CH ₄ | N ₂ O | HFCs | PFCs | SF ₆ | NO _x | CO | NMVOCS | SO ₂ |
| | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| NIR | Description | The organization of the NIR, in general, follows the structure outlined in the updated UNFCCC reporting guidelines ^e on annual inventories following incorporation of the provisions of decision 14/CP.11, elaborated with an annotated outline of the NIR. However, some chapters have been restructured (for example Chapter 9, Recalculations and improvements), and some recommended annexes such as annex 4, "CO ₂ reference approach and comparison with sectoral approach, and relevant information on the national energy balance" and annex 5, "Assessment of completeness and (potential) sources and sinks of greenhouse gas emissions and removals excluded for the annual inventory submission" are not provided. | | | | | | | | | |
| | Language of NIR | English | | | | | | | | | |
| CRF ^f | Missing source category larger than 7 per cent for categories included in Annex A to the Kyoto Protocol | | No missing source category larger than 7 per cent has been identified. | | | | | | | | |

^a CRF tables are contained in document FCCC/SBSTA/2006/9, annex II.

^b Additional information can be any information submitted by a Party in conjunction with the NIR or CRF tables.

^c Parties included in Annex I to the Convention undergoing the process of transition to a market economy may use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.

^d A Party may select 1990 or 1995 as the base year for the fluorinated gases in accordance with Article 3, paragraph 8, of the Kyoto Protocol.

^e "Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part I: UNFCCC reporting guidelines on annual inventories" (FCCC/SBSTA/2006/9).

^f A Party has not reported an estimate for an Annex A category that accounted for 7 per cent or more of the Party's aggregate emissions (decision 15/CMP.1, para. 3(b)).

| SUBMISSION OF SUPPLEMENTARY INFORMATION UNDER ARTICLE 7.1 | | | | |
|---|---|------------------------|-----------------------------|---|
| Reporting of supplementary information | | <i>Date of receipt</i> | <i>Date of resubmission</i> | <i>Comments</i> |
| | KP-LULUCF information ^a | 15 April 2013 | 24 May 2013 | NIR page 10-1, chapter 10 |
| | KP-LULUCF CRF ^b | 15 April 2013 | 24 May 2013 | CRF provided for years: 1990, 2008–2011 |
| | Information on Kyoto units (ERUs, CERs, RMUs and AAUs) ^c | 15 April 2013 | 24 May 2013 | NIR page 11-1, chapter 11 |
| | SEF ^d with Kyoto units | 15 April 2013 | | |
| | Change in national system ^e | 15 April 2013 | 24 May 2013 | NIR page 12-1, chapter 12 |
| | Change in national registry ^e | 15 April 2013 | 24 May 2013 | NIR page 13-1, chapter 13 |
| | Minimization of adverse impacts ^e | 15 April 2013 | 24 May 2013 | NIR page 14-1, chapter 14 |

^a Parties are required to include in their annual submission information on anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol, and, if any, elected activities under Article 3, paragraph 4, in accordance with the annex to decision 15/CMP.1, paragraphs 5–9.

^b Parties are required to report anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol, and, if any, elected activities under Article 3, paragraph 4, using the agreed CRF tables adopted under decision 6/CMP.3. Parties may also elect to report these tables for the base year or 1990.

^c Parties are required to include in their annual submission information on ERUs, CERs, tCERs, ICERs, AAUs and RMUs, in accordance with the annex to decision 15/CMP.1, section I.E.

^d SEF for reporting Kyoto units, as adopted under decision 14/CMP.1 and required by the annex to decision 15/CMP.1, paragraph 11.

^e The requirements for Parties to report on changes in national systems in accordance with Article 5, paragraph 1, changes in national registries, and the minimization of adverse impacts in accordance with Article 3, paragraph 14, are set out in sections I.F, I.G and I.H, respectively, of the annex to decision 15/CMP.1.

| PART I | | | | | | | | | | | | | | | | |
|--|---------------------------------|--------|---|--------------------------|---|-------|---------------------------|-------------|---------|--------|------------------|------------------------|---|-------|-----|---|
| Provision of information for the latest reported inventory year in the common reporting format: 2011 | | | | | | | | | | | | | | | | |
| Tables | | Energy | | Industrial processes | | SOPU | | Agriculture | | LULUCF | | KP-LULUCF ^a | | Waste | | |
| | Sectoral report tables | 1 | ✓ | 2(I) | ✓ | 3 | ✓ | 4 | ✓ | 5 | ✓ | 5(KP) | | ✓ | 6 | ✓ |
| | | | | 2(II) | ✓ | | | | | | | | | | | |
| | Sectoral background data tables | 1.A(a) | ✓ | 2(I).A–G | ✓ | 3.A–D | ✓ | 4.A | ✓ | 5.A | ✓ | 5(KP-I)A.1.1 | | ✓ | 6.A | ✓ |
| | | 1.A(b) | ✓ | 2(II).C | ✓ | | | 4.B(a) | ✓ | 5.B | ✓ | 5(KP-I)A.1.2 | | ✓ | 6.B | ✓ |
| | | 1.A(c) | ✓ | 2(II).E | ✓ | | | 4.B(b) | ✓ | 5.C | ✓ | 5(KP-I)A.1.3 | | ✓ | 6.C | ✓ |
| | | 1.A(d) | ✓ | 2(II).F | ✓ | | | 4.C | ✓ | 5.D | ✓ | 5(KP-I)A.2 | | ✓ | | |
| | | 1.B.1 | ✓ | | | | | 4.D | ✓ | 5.E | ✓ | 5(KP-I)A.2.1. | | ✓ | | |
| | | 1.B.2 | ✓ | | | | | 4.E | ✓ | 5.F | ✓ | 5(KP-I)B.1. | | ✓ | | |
| | | 1.C | ✓ | | | | | 4.F | ✓ | 5 (I) | ✓ | 5(KP-I)B.2. | | ✓ | | |
| | Bunkers separately | | ✓ | | | | | | 5 (II) | ✓ | 5(KP-I)B.3. | | ✓ | | | |
| | | | | | | | | | 5 (III) | ✓ | 5(KP-I)B.4. | | ✓ | | | |
| | | | | | | | | | 5 (IV) | ✓ | 5(KP-II)1 | | ✓ | | | |
| | | | | | | | | | 5 (V) | ✓ | 5(KP-II)2 | | ✓ | | | |
| | | | | | | | | | | | 5(KP-II)3 | | ✓ | | | |
| | | | | | | | | | | | 5(KP-II)4 | | ✓ | | | |
| | | | | | | | | | | | 5(KP-II)5 | | ✓ | | | |
| | | | | | | | | | | | Accounting table | | ✓ | | | |
| Summary tables | Summary 1.A | | ✓ | Summary 1.B | | ✓ | Summary 2 | | ✓ | | | | | | | |
| Other tables | Summary 3 | | ✓ | Table 7 (Key categories) | | ✓ | Table 9(a) (Completeness) | | ✓ | | | | | | | |
| | Table 10 (Trends) | | ✓ | | | | Table 9(b) (Completeness) | | | | | | | | | |
| Comments | | | | | | | | | | | | | | | | |

^a Parties are required to report anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol, and, if any, elected activities under Article 3, paragraph 4, using the agreed CRF tables adopted under decision 6/CMP.3.

| PART I | | | | | | | |
|--|--|--------------------------|-------------------------|--|------------------|--|--|
| Provision of information for the latest reported inventory year in the common reporting format: 2011 (continued) | | | | | | | |
| <i>Totals</i> | <i>Provided for gases</i> | <i>CO₂</i> ✓ | <i>CH₄</i> ✓ | <i>N₂O</i> ✓ | <i>HFCs</i> ✓ | <i>PFCs</i> ✓ | <i>SF₆</i> ✓ |
| | <i>Provided for years</i> | 1990–2011 | 1990–2011 | 1990–2011 | 1995–2011 | 1997–2011 | 1995–2011 |
| <i>CO₂</i> | <i>Reference approach</i> | <i>Sectoral approach</i> | | <i>Difference more than 2 per cent</i> | | <i>If difference is more than 2 per cent</i> | |
| | <i>Comparison of CO₂ from fuel combustion</i> | ✓ | ✓ | | | Explanation provided | |
| <i>HFCs, PFCs, SF₆</i> | <i>Disaggregation by species</i> | | | <i>HFCs</i> | | <i>PFCs</i> | |
| | | | | ✓ | | ✓ | |
| | <i>Reporting of actual and/or potential emission estimates in the category consumption of halocarbons and SF₆</i> | | | <i>Actual</i> | <i>Potential</i> | <i>Actual</i> | <i>Potential</i> |
| | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| <i>Notation keys</i> | <i>Used in</i> | <i>Summary table 1.A</i> | ✓ | <i>Sectoral report tables</i> | | ✓ | <i>Sectoral background data tables</i> |
| | <i>Comments</i> | | | | | | |

| PART II | | | | | | | | | | | | | | | | | |
|--|--------------------------|------------------------|------|------|------|------|------|------|------|------|------|------|---|----------|------|---|---|
| Provision of common reporting format tables for years reported | | | | | | | | | | | | | | | | | |
| | | Years | | | | | | | | | | | Information gaps relating to reporting ^b | Comments | | | |
| | | Base year ^a | 1990 | 1995 | 2000 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | | | 2011 | | |
| Energy | Sectoral report: table 1 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 1.A(a) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 1.A(b) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 1.A(c) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 1.A(d) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 1.B.1 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | No numerical data are reported in this table for 1995–2011. For 1995–2011, the notation keys NO, IE are used. |
| | | Table 1.B.2 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | The cells for reporting AD description and unit for 1.B.2.a.i Oil - exploration are blank. |
| | | Table 1.C | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Industrial processes | Sectoral reports: | Table 2(I) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| | | Table 2(II) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| | SBDT | Table 2(I).A–G | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| | | Table 2(II).C | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | No numerical data are reported in this table for 1990–2011. For 1995–2011, the notation key NO is used. For 1990–1994, the notation keys NE, NO are used. | |
| | | Table 2(II).E | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | No numerical data are reported in this table for 1990–2011. For 2008–2011, the notation keys NO, NA are used. For 1990–1994, the notation keys NO, NE are used. For 1995–2007, the notation key NO is used. | |
| | | Table 2(II).F | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | No numerical data are reported in this table for 1990–1994. For 1990–1994, the notation key NE is used. | |

| PART II | | | | | | | | | | | | | | | | |
|--|--------------------------|------------------------|------|------|------|------|------|------|------|------|------|------|---|----------|------|---|
| Provision of common reporting format tables for years reported (continued) | | | | | | | | | | | | | | | | |
| | | Years | | | | | | | | | | | Information gaps relating to reporting ^b | Comments | | |
| | | Base year ^a | 1990 | 1995 | 2000 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | | | 2011 | |
| SOPU | Sectoral report: Table 3 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | SBDT Table 3.A–D | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | No numerical data are reported in this table for 1990–2011. For 1990–2011, the notation keys NE, NO, IE are used. |
| Agriculture | Sectoral report: Table 4 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | SBDT | Table 4.A | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 4.B(a) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 4.B(b) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 4.C | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | The cell for reporting organic amendment type for 4.C.1 Irrigated - continuously flooded is blank. |
| | | Table 4.D | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 4.E | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | No numerical data are reported in this table for 1990–2011. For 1990–2011, the notation key NO is used. |
| | | Table 4.F | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |

| PART II | | | | | | | | | | | | | | | | |
|--|--------------------------|-------|------|------|------|------|------|------|------|------|------|------|---|----------|--|---|
| Provision of common reporting format tables for years reported (continued) | | | | | | | | | | | | | | | | |
| | Base year ^a | Years | | | | | | | | | | | Information gaps relating to reporting ^b | Comments | | |
| | | 1990 | 1995 | 2000 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | | | | |
| LULUCF SBDT | Sectoral report: Table 5 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Table 5.A | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Table 5.B | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Table 5.C | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Table 5.D | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Table 5.E | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Table 5.F | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Table 5 (I) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | No numerical data are reported in this table for 1990–2011. For 1990–2011, the notation keys IE, NA are used. |
| | Table 5 (II) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | No numerical data are reported in this table for 1990–2011. For 1990–2011, the notation key NO is used. |
| | Table 5 (III) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Table 5 (IV) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Table 5 (V) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |

PART II

Provision of common reporting format tables for years reported (continued)

| | | Years | | | | | | | | | | | Information gaps relating to reporting ^b | Comments | |
|-----------|-------------------------------|------------------------|------|------|------|------|------|------|------|------|------|------|---|----------|--|
| | | Base year ^a | 1990 | 1995 | 2000 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | | | 2011 |
| KP-LULUCF | Sectoral report: Table 5 (KP) | | ✓ | | | | | | | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 5 (KP-I) A.1.1 | | | | | | | | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 5 (KP-I) A.1.2 | | | | | | | | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 5 (KP-I) A.1.3 | | | | | | | | ✓ | ✓ | ✓ | ✓ | | No numerical data are reported in this table for 2008–2011. For these years the notation key NE is used. |
| | | Table 5 (KP-I) A.2 | | | | | | | | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 5 (KP-I) A.2.1 | | | | | | | | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 5 (KP-I) B.1 | | | | | | | | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 5 (KP-I) B.2 | | ✓ | | | | | | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 5 (KP-I) B.3 | | ✓ | | | | | | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 5 (KP-I) B.4 | | ✓ | | | | | | ✓ | ✓ | ✓ | ✓ | | No numerical data are reported in this table for 1990, 2008–2011. For these years the notation key NA is used. |
| | | Table 5 (KP-II) 1 | | | | | | | | ✓ | ✓ | ✓ | ✓ | | No numerical data are reported in this table for 2008–2011. For these years the notation key IE is used. |
| | | Table 5 (KP-II) 2 | | | | | | | | ✓ | ✓ | ✓ | ✓ | | No numerical data are reported in this table for 2008–2011. For these years the notation key NO is used. |
| | | Table 5 (KP-II) 3 | | ✓ | | | | | | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 5 (KP-II) 4 | | ✓ | | | | | | ✓ | ✓ | ✓ | ✓ | | |
| | | Table 5 (KP-II) 5 | | ✓ | | | | | | ✓ | ✓ | ✓ | ✓ | | |
| | Accounting table | | | | | | | | ✓ | ✓ | ✓ | ✓ | | | |

| PART II | | | | | | | | | | | | | | | |
|--|--|------------------------|------|------|------|------|------|------|------|------|------|------|------|---|----------|
| Provision of common reporting format tables for years reported (continued) | | | | | | | | | | | | | | | |
| | | Years | | | | | | | | | | | | | |
| | | Base year ^a | 1990 | 1995 | 2000 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | Information gaps relating to reporting ^b | Comments |
| Waste | Sectoral report: Table 6 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Table 6.A | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Table 6.B | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Table 6.C | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Summary and other tables | Summary 1.A | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Summary 1.B | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Summary 2 (CO ₂ equivalent emissions) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Summary 3 (Methods/emission factors) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | Table 7 (Key categories) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Table 8(a) (Recalculation – recalculated data) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| | Table 8(b) (Recalculation – explanatory information) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| | Table 9(a) (Completeness) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | Table 9(b) (Completeness) | | | | | | | | | | | | | | |
| | Table 10 (Trends) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |

^a Parties included in Annex I to the Convention undergoing the process of transition to a market economy are allowed to use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.

^b This column indicates that reporting gaps (blank cells) have been identified in a given table of the CRF. This was owing to limited use, or lack, of notation keys (NO, NE, NA, IE, C).

| PART III | | | | | | |
|---|--|----------------------|--------------|-------------|-----------------|---------|
| Provision of information relating to recalculations | | | | | | |
| Table 8(a) (Recalculated data) | ✓ | Comments | | | | |
| Recalculation reported for years | 1990–2010 | | | | | |
| Recalculated sectors/gases | Energy | Industrial processes | SOPU | Agriculture | LULUCF | Waste |
| CO ₂ | ✓ | ✓ | ✓ | | ✓ | ✓ |
| CH ₄ | ✓ | ✓ | | ✓ | ✓ | ✓ |
| N ₂ O | ✓ | ✓ | | ✓ | ✓ | ✓ |
| HFCs | | | | | | |
| PFCs | | | | | | |
| SF ₆ | | ✓ | | | | |
| Table 8(b) (Explanatory information) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Percentage difference in aggregate greenhouse gas emissions | Base year estimate: ^a | | With LULUCF: | 30.41 % | Without LULUCF: | 1.35 % |
| | Latest recalculated year: ^b | | With LULUCF: | 9.35 % | Without LULUCF: | -0.82 % |

^a Parties included in Annex I to the Convention undergoing the process of transition to a market economy are allowed to use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.

^b The latest recalculated year is the submission year minus 3.

| PART IV | | | | |
|---|--|--|--------------------|--|
| Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4 | | | | |
| | | <i>Provided</i> | <i>Observation</i> | |
| Reporting requirements under decision 15/CMP.1, annex, paragraphs 5–9 | Emissions by sources and removals by sinks are clearly distinguished from emissions from categories included in Annex A to the Kyoto Protocol | | ✓ | |
| | Information on how inventory methodologies have been applied taking into account IPCC good practice guidance for LULUCF ^a and decision 16/CMP.1 | | ✓ | |
| | Information on the geographical location of the boundaries of areas that encompass: | | | |
| | | Units of land subject to activities under Article 3.3 | ✓ | |
| | | Units of land subject to activities under Article 3.3, which would otherwise be included in land subject to elected activities under Article 3.4 | ✓ | |
| | | Land subject to elected activities under Article 3.4 | ✓ | |
| | Information on the spatial assessment unit for determining the area of accounting for afforestation, reforestation and deforestation | | ✓ | |
| | Information on GHG emissions/removals resulting from activities under Article 3.3 and 3.4 for all geographical locations reported in the current and previous years since the beginning of the commitment period or the onset of the activity, whichever comes later | | ✓ | |
| | Information on carbon pools (above-ground/below-ground biomass, litter, dead wood and soil organic carbon) that are not accounted for | | ✓ | |
| | Information on anthropogenic GHGs from LULUCF activities under Article 3.3 and 3.4 factoring out removals from: | | | |
| | | Elevated CO ₂ concentrations above pre-industrial levels | ✓ | |
| | | Indirect nitrogen deposition | ✓ | |
| | | The dynamic effects of age structure resulting from activities prior to 1 January 1990 | ✓ | |

^a The Intergovernmental Panel on Climate Change Good Practice Guidance for Land Use, Land-Use Change and Forestry.

| PART IV | | | |
|---|---|--|--|
| Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4 (continued) | | | |
| | | <i>Provided</i> | <i>Observation</i> |
| Reporting requirements under decision 15/CMP.1, annex, paragraphs 5–9 | Specific information to be reported for Article 3.3 activities: | | |
| | | Activities under Article 3.3 that began on or after 1 January 1990 and before 31 December of the last year of the commitment period and are directly human induced | Information required in paragraph 8(a) of the annex to 15/CMP.1 is not included in the submission. |
| | | How harvesting or forest disturbance that is followed by the re-establishment of forest is distinguished from deforestation | Information required in paragraph 8(b) of the annex to 15/CMP.1 is not included in the submission. |
| | | Emissions/removals from lands harvested during the first commitment period following afforestation and reforestation on these units of land since 1990 | ✓ |
| | Specific information to be reported for Article 3.4 activities: | | |
| | | Activities under Article 3.4 that occurred since 1 January 1990 and are human induced | Information required in paragraph 9(a) of the annex to 15/CMP.1 is not included in the submission. |
| | | Cropland management, grazing land management, revegetation: emissions/removals reported for each year of the commitment period and for the base year for each of the elected activities on the geographical locations reported | ✓ |
| | | Emissions/removals from Article 3.4 activities that are not accounted for under activities under Article 3.3 | Information required in paragraph 9(c) of the annex to 15/CMP.1 is not included in the submission. |
| | | Forest management: information on the extent to which GHG removals by sinks offsets the debit incurred under Article 3.3 | ✓ |