



#### **COMPLIANCE COMMITTEE**

CC/ERT/ASR/2010/32 1 July 2010

### Annual status report of the annual inventory of Hungary

### Note by the secretariat

The annual status report of the annual inventory of Hungary was published on 24 June 2010. For purposes of rule 10, paragraph 2, of the Rules of procedure of the Compliance Committee (annex to decision 4/CMP.2, as amended by decision 4/CMP.4), the report is considered received by the secretariat on the same date. This report, FCCC/ASR/2010/HUN, contained in the annex to this note, is being forwarded to the Compliance Committee in accordance with section VI, paragraph 3, of the annex to decision 27/CMP.1 and paragraph 49 of the annex to decision 22/CMP.1.





Distr. GENERAL

FCCC/ASR/2010/HUN 24 June 2010

**ENGLISH ONLY** 

## Annual status report of the annual inventory of Hungary

- 1. This status report was prepared by the secretariat 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 2010 as originally submitted by the Party.
- 2. In this report, the following abbreviations are used:

A: afforestation

AAU: assigned amount unit

CER: certified emission reduction

CM: cropland management CRF: common reporting format

D: deforestation

ERU: emission reduction unit FM: forest management

GM: grazing land management

GHG: greenhouse gas

KP-LULUCF: Article 3, paragraphs 3 and 4,

activities under the Kyoto Protocol ICER: long-term certified emission

reduction

LULUCF: land use, land-use change and

forestry

NIR: national inventory report

R: reforestation RMU: removal unit RV: revegetation

SBDT: sectoral background data tables

SEF: standard electronic format tCER: temporary certified emission

reduction

Notation keys
C: confidential

IE: included elsewhere NA: not applicable NE: not estimated NO: not occurring

Greenhouse gases
CO<sub>2</sub>: carbon dioxide
CH<sub>4</sub>: methane
N<sub>2</sub>O: nitrous oxide

HFCs: hydrofluorocarbons PFCs: perfluorocarbons SF<sub>6</sub>: sulphur hexafluoride NO<sub>X</sub>: nitrogen oxides CO: carbon monoxide

NMVOCs: non-methane volatile organic

compounds

SO<sub>2</sub>: sulphur dioxide

	GR	EENHOU	ISE GAS I	NVE	NTORY S	UBMISSIC	ON				
		Date of 1	eceipt		Date of re	submissio	n	Comme	ents		
	NIR	26 May 2	2010								
	CRF tables <sup>a</sup>	25 May 2	2010								
General information	Additional information <sup>b</sup>	15 April	2010					UPDATED-UNFCCC - Readiness Questionnaire v1.2.pdf; SIAR Reports 2009-HU v1.0.xls; NIR2010_SIAR input - HU's national registry.pdf; Hungarian National Emission Trading Registry System Procedures.pdf; CR v3.2 test cases ADe03.pdf			
ž	CRF provided for years	1985, 19	85–87, 198	36–200	)8						
	Base year or period <sup>c</sup>	1985-87		В	ase year fo	e year for HFCs, PFCs and SF <sub>6</sub> <sup>d</sup> 1995					
	Gases covered	$CO_2$	CH <sub>4</sub>	N <sub>2</sub> (	O HFC	PFCs	SFe	NO	O <sub>X</sub> CC	NMVOCs	$SO_2$
		✓	✓	✓	✓	✓	✓	~	′ √	✓	✓
NIR	Description	reporting decision	guidelines 14/CP.11,	e on an elabor	nnual inver ated with t	tories follo	owing in ted out	ncorpora line of th	tion of the	he updated UN provisions of I Inventory Rep	
	Language of NIR	English									
CRF	Missing source category larger than 7 per cent for categories included in Annex A to the Kyoto Protocol	No missi	ng source o	catego	ry larger th	an 7 per ce	nt has t	een ider	ntified.		

	SUBMISSION OF SUPPLEMENTARY INFORMATION UNDER ARTICLE 7.1											
		Date of receipt	Date of resubmission	Comments								
tary	KP-LULUCF information <sup>g</sup>	26 May 2010		NIR, page 203, chapter	r 11							
supplementary mation	KP-LULUCF CRF <sup>h</sup>	25 May 2010		CRF provided for years:	2008							
	Information on Kyoto units (ERUs, CERs, RMUs and AAUs <sup>i</sup> )	26 May 2010		NIR, page 203, chapter 12								
ng of infor	SEF <sup>j</sup> with Kyoto units	15 April 2010										
reporting	Change in national system <sup>k</sup>	26 May 2010		NIR, page 205, chapter 13								
rep	Change in national registryk	26 May 2010		NIR, page 206, chapter	r 14							
	Minimization of adverse impacts <sup>k</sup>	26 May 2010		NIR, page 212, chapter 212								

- <sup>a</sup> CRF tables are contained in document FCCC/SBSTA/2006/9, annex II.
- <sup>b</sup> Additional information can be any information submitted by a Party in conjunction with the NIR or CRF tables.
- <sup>c</sup> 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 for annual inventories" (FCCC/SBSTA/2006/9).
- 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)).
- <sup>g</sup> 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.
- h 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.
- <sup>1</sup> Parties are required to include in their annual submission information on ERUs, CERs, tCERs, tCERs, AAUs and RMUs, in accordance with the annex to decision 15/CMP.1, section I.E.
- SEF for reporting Kyoto Protocol units, as adopted under decision 14/CMP.1 and required by the annex to decision 15/CMP.1, paragraph 11.
- <sup>k</sup> 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 F, G and 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: 2008

		Ener	gy	Industr		Solver	ner	Agricı	ılture	LUI	LUCF	KF	-LULUCF	a	W	aste
	Sectoral report	1	<b>√</b>	2(I)	<b>√</b>	produ	ct use	4	✓		5 🗸	5(	KP)	✓	6	<b>✓</b>
	tables			2(II)	✓								1			
	Sectoral background	1.A(a)	✓	2(I).A-G	✓	3.A-I	<b>V</b>	4.A	✓	5.A	\ \	5(KF	P-I)A.1.1	✓	6.A	✓
	data tables	1.A(b)	✓	2(II).C	✓			4.B(a)	✓	5.E	3 🗸	5(KF	P-I)A.1.2	✓	6.B	✓
		1.A(c)	✓	2(II).E	✓			4.B(b)	✓	5.0	· 🗸	5(KF	P-I)A.1.3	✓	6.C	✓
		1.A(d)	✓	2(II).F	✓			4.C	✓	5.Ε	) <b>/</b>		P-I)A.2	✓		
		1.B.1	✓					4.D	$\checkmark$	5.H	€ 🗸		KP-I) .2.1.	✓		
		1.B.2	✓					4.E	✓	5.1	₹ 🗸		P-I)B.1.	✓		
S		1.C	✓					4.F	✓	5 (I	) 🗸	5(KP	P-I)B.2.	✓		
Tables		Bunkers	separa	ntely 🗸						5 (II	-	5(KP	P-I)B.3.	✓		
1										5 (III	1	_	P-I)B.4.	<b>√</b>		
										5 (IV	1		P-II)1	<b>√</b>		
										5 (V	) 🗸	_	P-II)2	<b>√</b>		
												,	P-II)3	<b>✓</b>		
												,	P-II)4 P-II)5	<b>∨</b>		
													ounting	· ✓		
										,			ible	•		
	Summary tables					✓ Summary 1.B					✓ Summary 2					<b>√</b>
	Other tables	Summary			<b>√</b>	Table	7 (Key	categori	es)	✓			pleteness)			<b>√</b>
	Comments	Table 10	(Trend	ls)	✓						Table 9	(b) (Con	pleteness)			
	D 11.10			ľ		Ī			T							
Totals	Provided for gases		<sub>2</sub> ✓		H₄ ✓			[2O ✓		HFCs	✓		Cs ✓		SF <sub>6</sub>	
Tot	Provided for years	1985, 1 1986-	985–87 –2008		1985- 36–200			, 1985–87 36–2008	',	1992–2	800		1985–87, 5–2008		85, 19 1986–2	85–87, 2008
2	Comparison of	Refe	rence a	pproach		Secto		oroach		Differer			If differ			e than
$CO_2$	CO <sub>2</sub> from fuel combustion		<b>√</b>				<b>✓</b>	•			per cent ✓		Explanati		cent	ı <b>√</b>
$\mathbb{F}_6$	Disaggregation b	y species					HFCs				PFCs			SI	$F_6$	
Cs, S							✓				✓					
, PF	Reporting of act emission estimat	ual and/or	r potent	tial		Actual		Potential		Actual	Po	tential	Actua	1	Pot	ential
HFCs, PFCs, SF <sub>6</sub>	consumption of	halocarbo	ns and	SF <sub>6</sub>		✓		✓		✓		✓	✓			✓
$\vdash$	Used in	Summary	y table	1.A		<b>√</b> §	Sectora	ıl report ta	ables		<b>√</b> !	Sectoral l	oackground	data	tables	· 🗸
Notation keys	Comments							-					-			
Z																

<sup>&</sup>lt;sup>a</sup> 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.

the notation keys NO, NA are used.

#### Provision of common reporting format tables for years reported Years Information Base 1990 1995 2000 2001 2002 2003 2004 2005 2006 gaps relating to 2007 reportingb year Comments Sectoral report: Table 1 Table 1.A(a) ✓ **√ √** Table 1.A(b) ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ **√ √** Table 1.A(c) ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ Table 1.A(d) ✓ ✓ ✓ ✓ ✓ ✓ ✓ Table 1.B.1 ✓ **√ √ √ √** ✓ ✓ ✓ ✓ ✓ ✓ ✓ Table 1.B.2 ✓ **√ √ √ √ √ √ √ √ √ √** ✓ Table 1.C ✓ Table 2(I) ✓ ✓ Sectoral reports: Table 2(II) **√** Industrial processes Table 2(I).A-G No numerical data are reported in this table for the years Table 2(II).C Table 2(II).E 2006–2008. For these years the notation keys NO, NA are No numerical data are reported in this table. For these years

✓

✓

✓

Table 2(II).F

Table 3.A–D

Solvent use

SBDT

Sectoral report: Table 3

PART II

											PART					
					I	Provisi	on of c	ommon	repor	ting fo	rmat t	ables fo	or year	s repo	rted (continued)	
								Ye	ars							
			Base year <sup>a</sup>	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	Information gaps relating to reporting <sup>b</sup>	Comments
	Se	ctoral report: Table 4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 4.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 4.B(a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
ure		Table 4.B(b)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Agriculture	Ţ	Table 4.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
gri	SBDT	Table 4.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
A		Table 4.E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table. The notation key NA is used.
		Table 4.F	<b>√</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table. The notation keys NA, NO are used.
	Se	ctoral report: Table 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5.E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
CF		Table 5.F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
LULUCF	SBDT	Table 5 (I)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table. The notation key NO is used.
	01	Table 5 (II)	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓	<b>✓</b>	<b>✓</b>	✓	<b>✓</b>		No numerical data are reported in this table for the years 1985, 1985–87, 1986–2004. For these years the notation keys NE, NO are used. For the years 2005–2008, the notation keys NE, NO, NA are used.
		Table 5 (III)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5 (IV)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5 (V)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

#### PART II Provision of common reporting format tables for years reported (continued) Years Information 1990 1995 2000 2008 2002 2003 2004 2002 2006 2007 gaps relating to Base 2001 yeara reporting<sup>b</sup> Comments 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 ✓ Table 5 (KP-I) A.2 ✓ Table 5 (KP-I) A.2.1 No numerical data are reported in this table. The notation key NA is used. KP-LULUCF 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. The notation Table 5 (KP-II) 1 ✓ key NA is used. Table 5 (KP-II) 2 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)

								Ye	ars							
			Base year <sup>a</sup>	1990	1995	0007	1007	2002	2003	2004	2005	9007	2002	2008	Information gaps relating to reporting <sup>b</sup>	Comments
	Sec	ctoral report: Table 6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
43		Table 6.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Waste	Ţ	Table 6.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
M	SBI	Table 6.B Table 6.C	✓	<b>&gt;</b>	<b>✓</b>	<b>\</b>	<b>&gt;</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>~</b>	<b>✓</b>	<b>✓</b>		No numerical data are reported in this table for the years 1985, 1985–87, 1986–2003. For these years the notation keys NO, NA are used.
		Summary 1.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Summary 1.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
ples		Summary 2 (CO <sub>2</sub> equivalent emissions)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
and other tables		Summary 3 (Methods/emission factors)	✓	<b>✓</b>	<b>✓</b>	<b>~</b>	<b>&gt;</b>	✓	✓	<b>✓</b>	<b>\</b>	<b>✓</b>	<b>&gt;</b>	✓		
<u> </u>	DI	Table 7 (Key categories)	✓							<b>✓</b>	✓	✓	<b>✓</b>	✓		
	SBDT	Table 8(a) (Recalculation – recalculated data)	✓	<b>✓</b>	✓	<b>✓</b>	<b>✓</b>	✓	✓	✓	<b>✓</b>	<b>✓</b>	<b>✓</b>			
Summary		Table 8(b) (Recalculation – explanatory information)	✓	<b>&gt;</b>	<b>✓</b>	<b>\</b>	<b>&gt;</b>	✓	✓	<b>✓</b>	>	<b>\</b>	<b>&gt;</b>		✓	
$\mathbf{S}$		Table 9(a) (Completeness)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 9(b) (Completeness)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 10 (Trends)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

<sup>&</sup>lt;sup>a</sup> 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	years 1985, 1985–87, 1980–2007											
Recalculated sectors/gases	Energy	Industrial processes	Solvent and other product use	Agriculture	LULUCF	Waste						
$CO_2$	✓	✓			✓	✓						
CH <sub>4</sub>	✓			✓	✓	✓						
$N_2O$	✓		✓	✓	✓	✓						
HFCs		✓										
PFCs		✓										
SF <sub>6</sub>												
Table 8(b) (Explanatory information)				✓	✓	✓						
Percentage difference in aggreg	ate greenhouse gas	Base year estimate: <sup>a</sup>	with LULUCF:	-0.5 %	without LULUCF:	-1.64 %						
emissions		Latest recalculated year:b	with LULUCF:	1.44 %	without LULUCF:	-0.3 %						

<sup>&</sup>lt;sup>a</sup> 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.

<sup>b</sup> The latest recalculated year is the submission year minus 3.

	Provided	Observation
Emissions by sources and removals by sinks are clearly distinguished from emissions from categories included in Annex A to the		Observation
Kyoto Protocol.	✓	
Information on how inventory methodologies have been applied taking into account IPCC good practice guidance for LULUCF <sup>a</sup> and decision 16/CMP.1.		
Information on 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.	<b>✓</b>	
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 <sub>2</sub> concentrations above pre-industrial levels		
Indirect nitrogen deposition		
The dynamic effects of age structure resulting from activities prior to 1 January 1990		
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.		
How harvesting or forest disturbance that is followed by the re-establishment of forest is distinguished from deforestation		
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		
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		Hungary does not elect any activities under Article 3, paragraph 4 except Forest Management.
Emissions/removals from Article 3.4 activities that are not accounted for under activities under Article 3.3		
Forest management: information on the extent to which GHG removals by sinks offsets the debit incurred under Article 3.3		

<sup>&</sup>lt;sup>a</sup> The Intergovernmental Panel on Climate Change Good Practice Guidance for Land Use, Land-Use Change and Forestry.