联合国

气候变化框架公约

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附属科学技术咨询机构
第二十一届会议
2004 年 12 月 6 日至 14 日，布宜诺斯艾利斯

议程项目 5(a)
方法学问题
《京都议定书》之下关于土地利用、土地利用的变化和林业活动的良好做法指导意见、伐木制品以及与土地利用、土地利用的变化和林业有关的其他问题

关于土地利用、土地利用的变化和林业活动的良好做法指导意见和其他问题

主席提出的结论草案

增 编

附属科学技术咨询机构的建议

附属科学技术咨询机构第二十一届会议决定建议缔约方会议第十届会议通过以下决定草案：

GE. 04-70850 (C) 141204 141204

决定草案-/CP.10

《京都议定书》第三条第 **3** 款和第 **4** 款之下的土地利用、土地利用的变化和林业活动的良好做法指导意见

缔约方会议，

回顾第 11/CP.7、第 19/CP.7、第 21/CP.7、第 22/CP.7 和第 13/CP.9 号决定，

1. 建议作为《京都议定书》缔约方会议的《公约》缔约方会议通过如下决定草案-/CMP.1(《京都议定书》第三条第 3 款和第 4 款之下的土地利用、土地利用的变化和林业活动的良好做法指导意见)；

2. 鼓励已批准《京都议定书》的《公约》附件一所列缔约方在 2007 年 4 月 15 日到期应提交的材料中自愿提交关于《京都议定书》第 3 款和第 4 款之下活动的温室气体源排放量和汇清除量的估计数字，为此请利用本决定附件二所载《京都议定书》第 3 款和第 4 款之下活动的通用报告格式[1]表格；并提交准备按本决定附件一所载指导意见准备纳入国家清单报告的一个附件的补充信息；

3. 请缔约方于 2007 年 6 月 30 日以前向秘书处提出对以上第 2 段所述通用报告格式各表格的意见以及使用这些表格的经验；

4. 请秘书处综合缔约方按以上第 3 段提交的意见，供附属科学技术咨询机构第二十七届会议(2007 年 11 月)审议；

5. 请附属科学技术咨询机构在审议以上第 2 段所述表格使用经验之后对这些表格加以更新，并拟出一项供作为《京都议定书》缔约方会议的《公约》缔约方会议通过的决定草案，以将更新的表格纳入以上第 1 段所述决定的附件；

6. 请秘书处在具备补充经费的前提下，编制以上第 2 段所述表格的暂定模块，以便利提交。

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[1] 通用报告格式是一种标准格式，由缔约方用于以电子方式报告关于温室气体排放量和清除量的估计数字和任何其他有关信息。出于技术原因(例如，表格和字体大小)，本文件关于土地利用、土地利用的变化和林业活动的通用报告格式表格的打印本外观无法达到标准一致。

附 件 一

用于报告应纳入国家清单报告的第三条第 3 款和第三条第 4 款之下土地利用、土地利用的变化和林业活动的补充信息的指导意见

1. 本附件是用于报告应纳入国家清单报告[1]的第三条第 3 款和第三条第 4 款之下土地利用、土地利用的变化和林业活动的补充信息的指导意见。提供本指导意见，是为了帮助缔约方满足第 22/CP.7 号决定的要求，相应之处依据了气专委关于土地利用、土地利用的变化和林业的良好做法指导意见。国家清单报告中还可纳入进一步的信息，取决于缔约方在估计《京都议定书》之下土地利用、土地利用的变化和林业的温室气体排放量和清除量方面所采取的本国方针。

2. 缔约方应按照以下指导意见报告：

(a) 一般信息

(b) 与土地有关的信息

(c) 特定活动的具体信息

(d) 其他信息

(e) 关于第六条的信息。

3. 关于特定活动的具体信息应当按照第三条第 3 款之下的每项活动和第三条第 4 款之下选定的每项活动加以报告。由于造林和再造林在第 11/CP.7 号决定所附决定草案-/CMP.1(土地利用、土地利用的变化和林业)附件的相同规定之下，因此可以一起报告。

1. 一般信息

1.1 森林的定义(国家清单报告表 1.1)和任何其他标准(如：最低限度宽度)

1.2 第三条第 4 款之下选定的活动(国家清单报告表 1)

1.3 关于如何始终如一地落实和应用第三条第 3 款之下的每项活动和第三条第 4 款之下选定的每项活动定义的说明

1.4 关于第三条第 4 款活动居先条件和/(或)优先顺序的说明，以及关于如何在确定土地分类方面连贯一致加以应用的说明。

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[1] 国家清单报告按经第 13/CP.9 号决定修订的第 18/CP.8 号决定要求提交。

2. 与土地有关的信息

2.1 用于确定第三条第 3 款之下地块面积的空间估算单位(按照第 11/ CP.7 号决定所附决定草案-/CMP.1(土地利用、土地利用的变化和林业)附件第 3 段)

2.2 用于编制国家清单报告 2 中土地演变矩阵的方法

2.3 用于确定地理位置的地图和/(或)数据库，以及地理位置标识代码体系，这些都可以用电子方式提供。

3. 特定活动的具体信息

3.1 碳储存变化和温室气体排放量和清除量估算方法

3.1.1 关于所用方法和相关假定的说明

3.1.2 有关理由，说明为何没有包括第三条第 3 款之下的活动和第三条第 4 款之下选定的活动的任何碳集合或温室气体排放量/清除量(在填报国家报告的一切情况下，国家清单报告 1 均应附以这种信息)

3.1.3 关于是否在计算内排除直接和天然温室气体排放量和清除量的信息

3.1.4 上一次提交以来数据和方法的变化(重新计算)(除其他外可参看气专委土地利用、土地利用的变化和林业良好做法指导意见第 4.2.4.1 节)

3.1.5 不确定性估计(除其他外可参看气专委土地利用、土地利用的变化和林业良好做法指导意见第 5.2 节)

3.1.6 关于其他方法学问题的信息(如：测量区间、年度之间的变异性)(除其他外可参看气专委土地利用、土地利用的变化和林业良好做法指导意见第 4.2.3 节)

3.1.7 为第 11/CP.7 号决定所附决定草案-/CMP.1(土地利用、土地利用的变化和林业)附件第 18 段所要求的核算目的，凡 2008 年以后启动的活动，请说明活动的起始年份。

3.2 第三条第 3 款

3.2.1 有关信息，说明第三条第 3 款之下的活动始于 1990 年 1 月 1 日或该日之后但在 2012 年 12 月 31 日之前，并且是人类直接引起的

3.2.2 有关信息，说明如何将随后又重建森林的伐木或森林扰动情况与毁林加以区分

3.2.3 有关信息，说明丧失了森林覆盖但尚未划为毁林的森林地区的大小和地理位置。

3.3 第三条第 4 款

3.3.1 有关信息，说明第三条第 4 款之下的活动是 1990 年 1 月 1 日以来发生的，并且是人类引起的

3.3.2 关于可能为基准年选定的耕地管理、牧场管理和重建植被的信息

3.3.3 关于森林管理的信息：

本类中的森林定义符合以上 1.1 项的定义

森林管理是一种做法体系，涉及保护和利用林地，着眼于以可持续的方式发挥森林的有关生态(包括生物多样性)、经济和社会功能(第 11/CP.7 号决定所附决定草案-/CMP.1(土地利用、土地利用的变化和林业)附件第 1(f)段)。

4. 其他信息

4.1 第三条第 3 款活动和第三条第 4 款之下任何选定活动的关键类分析(除其他外见于国家清单报告表 3, 气专委关于土地利用、土地利用的变化和林业的良好做法指导意见第 5.4 节)。

5. 与第六条有关的信息

5.1 决定-/CMP.1(关于《京都议定书》第三条第 3 款和第 4 款之下土地利用、土地利用的变化和林业活动的良好做法指导意见)附件二所载《京都议定书》第三条第 3 款和第 4 款之下的活动通用报告格式各有关表格中的识别代码，应包含一种具体的识别标志，以表明在《京都议定书》第六条之下的项目涵盖范围内的土地的地理位置边界。

TABLE NIR 1. SUMMARY TABLE
Activity coverage and other information relating to activities under Article 3.3 and elected activities under Article 3.4

Activity		Change in carbon pool reported[1]					Greenhouse gas sources reported[2]						
		Above-ground biomass	Below-ground biomass	Litter	Dead wood	Soil	Fertilization[3]	Drainage of soils under forest management	Disturbance associated with land-use conversion to croplands	Liming	Biomass burning[4]		
							N_2O	N_2O	N_2O	CO_2	CO_2	CH_4	N_2O
Article 3.3 activities	Afforestation and Reforestation												
	Deforestation												
Article 3.4 activities	Forest Management												
	Cropland Management												
	Grazing Land Management												
	Revegetation												

[1] Indicate R (reported), NR (not reported), IE (included elsewhere) or NO (not occurring), for each relevant activity under Article 3.3 or elected activity under Article 3.4. If changes in a carbon pool are not reported, it must be demonstrated in the NIR that this pool is not a net source of greenhouse gases. Indicate NA (not applicable) for each activity that is not elected under Article 3.4. Explanation about the use of notation keys should be provided in the text.

[2] Indicate R (reported), NE (not estimated), IE (included elsewhere) or NO (not occurring) for greenhouse gas sources reported, for each relevant activity under Article 3.3 or elected activity under Article 3.4. Indicate NA (not applicable) for each activity that is not elected under Article 3.4. Explanation about the use of notation keys should be provided in the text.

[3] N_2O emissions from fertilization for Cropland Management, Grazing Land Management and Revegetation should be reported in the Agriculture sector. If a Party is not able to separate fertilizer applied to Forest Land from Agriculture, it may report all N_2O emissions from fertilization in the Agriculture sector.

[4] If CO_2 emissions from biomass burning are not already included under changes in carbon stocks, they should be reported under biomass burning; this also includes the carbon component of CH_4. Parties that include CO_2 emissions from biomass burning in their carbon stock change estimates should report IE (included elsewhere).

Table NIR 1.1 Additional information
Selection of parameters for defining "Forest" under the Kyoto Protocol

Parameter	Range	Selected value
Minimum land area	0.05 - 1 ha	
Minimum crown cover	10 - 30 %	
Minimum height	2 - 5 m	

Table NIR 2. LAND TRANSITION MATRIX
Area change between the previous and the current inventory year[(1), (2), (3)]

FROM… \ TO…		Article 3.3 activities		Article 3.4 activities				Other	Total
		Afforestation and Reforestation	Deforestation	Forest Management (if elected)	Cropland Management (if elected)	Grazing Land Management (if elected)	Revegetation (if elected)		
		(kha)							
Article 3.3 activities	Afforestation and Reforestation								
	Deforestation								
Article 3.4 activities	Forest Management (if elected)								
	Cropland Management[(4)] (if elected)								
	Grazing Land Management[(4)] (if elected)								
	Revegetation[(4)] (if elected)								
Other									
Total area									

[(1)] This table should be used to report land area and changes in land area subject to the various activities in the inventory year. For each activity it should be used to report area change between the previous year and the current inventory year. For example, the total area of land subject to Forest Management in the year preceeding the inventory year, and which was deforested in the inventory year, should be reported in the cell in column of Deforestation and in the row of Forest Management.

[(2)] Some of the transitions in the matrix are not possible and the cells concerned have been shaded.

[(3)] In accordance with section 4.2.3.2 of the IPCC good practice guidance for LULUCF, the value of the reported area subject to the various activities under Article 3.3 and 3.4 for the inventory year should be that on 31 December of that year.

[(4)] Lands subject to Cropland Management, Grazing Land Management or Revegetation which, after 2008, are subject to activities other than those under Article 3.3 and 3.4, should still be tracked and reported under Cropland Management, Grazing Land Management or Revegetation, respectively.

TABLE NIR 3. SUMMARY OVERVIEW FOR KEY CATEGORIES FOR LAND USE, LAND-USE CHANGE AND FORESTRY ACTIVITIES UNDER THE KYOTO PROTOCOL

Country
Year
Submission

KEY CATEGORIES OF EMISSIONS AND REMOVALS	GAS	CRITERIA USED FOR KEY CATEGORY IDENTIFICATION			COMMENTS[3]
		Associated category in UNFCCC inventory[1] is key (indicate which category)	Category contribution is greater than the smallest category considered key in the UNFCCC inventory[1] (including LULUCF)	Other[2]	
Specify key categories according to the national level of disaggregation used[1]					
For example: *Cropland Management*	*CO_2*	*X (Cropland remaining Cropland)*			

(1) See section 5.4 of the IPCC good practice guidance for LULUCF.
(2) This should include qualitative consideration as per section 5.4.3 of the IPCC good practice guidance for LULUCF or any other criteria.
(3) Describe the criteria identifying the category as key.

Documentation box: Parties should provide in the NIR the full information on methodologies used for identifying key categories (according to section 5.4 of the IPCC good practice guidance for LULUCF).

ANNEX II

Tables of the common reporting format for land use, land-use change and forestry under the Kyoto Protocol*

TABLE 5(KP). REPORT OF SUPPLEMENTARY INFORMATION FOR LAND USE, LAND-USE CHANGE AND FORESTRY ACTIVITIES UNDER THE KYOTO PROTOCOL[(1), (2)]

Country
Year
Submission

GREENHOUSE GAS SOURCE AND SINK ACTIVITIES	Net CO_2 emissions/ removals[(3), (4)]	CH_4[(5)]	N_2O[(6)]
	(Gg)		
A. Article 3.3 activities			
A.1. Afforestation and Reforestation[(7)]			
A.1.1. Units of land not harvested since the beginning of the commitment period			
A.1.2. Units of land harvested since the beginning of the commitment period			
A.2. Deforestation			
B. Article 3.4 activities			
B.1. Forest Management (if elected)			
B.2. Cropland Management (if elected)			
B.3. Grazing Land Management (if elected)			
B.4. Revegetation (if elected)			

Documentation box:

Parties should provide detailed explanation on the land use, land-use change and forestry sector in the relevant annex of the NIR: Supplementary information on LULUCF activities under the Kyoto Protocol. Use this documentation box to provide references to relevant sections of the NIR if any additional details are needed to understand the content of this table.

(1) All estimates in this table include emissions and removals from projects under Article 6 hosted by the reporting Party.

(2) If Cropland Management, Grazing Land Management and/or Revegetation are elected, this table and all relevant tables should also be reported for the base year for these activities.

(3) According to the Revised 1996 IPCC Guidelines, for the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+). Net changes in carbon stocks are converted to CO_2 by multiplying C by 44/12 and by changing the sign for net CO_2 removals to be negative (-) and net CO_2 emissions to be positive (+).

(4) CO_2 emissions from liming, biomass burning and drained organic soils, where applicable, are included in this column.

(5) CH_4 emissions reported here for Cropland Management, Grazing Land Management and Revegetation, if elected, include only emissions from biomass burning (with the exception of savannah burning and agricultural residue burning which are reported in the Agriculture sector). Any other CH_4 emissions from Agriculture should be reported in the Agriculture sector.

(6) N_2O emissions reported here for Cropland Management, if elected, include only emissions from biomass burning (with the exception of savannah burning and agricultural residue burning which are reported in the Agriculture sector) and N_2O from conversion to Cropland of lands other than Forest Land (Table 5(KP-II)3). Any other N_2O emissions from Agriculture should be reported in the Agriculture sector.

(7) As both Afforestation and Reforestation under Article 3.3 are subject to the same provisions specified in the annex to draft decision -/CMP.1 (*Land use, land-use change and forestry*), attached to decision 11/CP.7, they can be reported together.

** On all CRF tables, please use, as applicable, the notation keys as specified in the annex to decision 18/CP.8.*

TABLE 5(KP-I)A.1.1. SUPPLEMENTARY BACKGROUND DATA ON CARBON STOCK CHANGES AND NET CO_2 EMISSIONS AND REMOVALS FOR LAND USE, LAND-USE CHANGE AND FORESTRY ACTIVITIES UNDER THE KYOTO PROTOCOL

Country

Article 3.3 activities: Afforestation and Reforestation[1, 2]

Year

Units of land not harvested since the beginning of the commitment period

Submission

GEOGRAPHICAL LOCATION[3]	ACTIVITY DATA		IMPLIED CARBON STOCK CHANGE FACTORS[7]									Implied emission/ removal factor per area[8]	CHANGE IN CARBON STOCK[7]									Net CO_2 emissions/ removals[8]
Identification code	Subdivision[4]	Area subject to the activity	Carbon stock change in above-ground biomass per area[5, 6]			Carbon stock change in below-ground biomass per area[5, 6]			Net carbon stock change in litter per area[5]	Net carbon stock change in dead wood per area[5]	Net carbon stock change in soils per area[5]		Carbon stock change in above-ground biomass[5, 6]			Carbon stock change in below-ground biomass[5, 6]			Net carbon stock change in litter[5]	Net carbon stock change in dead wood[5]	Net carbon stock change in soils[5]	
			Gains	Losses	Net change	Gains	Losses	Net change					Gains	Losses	Net change	Gains	Losses	Net change				
		(kha)	(Mg C/ha)									(Mg CO_2/ha)	(Gg C)									(Gg CO_2)
Total for activity A.1.1																						
[specify identification code]																						
	[specify subdivision]																					
	[specify subdivision]																					
[specify identification code]																						
	[specify subdivision]																					
…	…																					

Documentation box:

Parties should provide detailed explanation on the land use, land-use change and forestry sector in the relevant annex of the NIR: Supplementary information on LULUCF activities under the Kyoto Protocol. Use this documentation box to provide references to relevant sections of the NIR if any additional details are needed to understand the content of this table.

[1] Report here information on anthropogenic change in carbon stock for the inventory year for all geographical locations that encompass units of land subject to Afforestation and Reforestation under Article 3.3 not harvested since the beginning of the commitment period.

[2] As both Afforestation and Reforestation under Article 3.3 are subject to the same provisions specified in the annex to draft decision -/CMP.1 (*Land use, land-use change and forestry*), attached to decision 11/CP.7, they can be reported together.

[3] Geographical location refers to the boundaries of the areas that encompass units of land subject to Afforestation and Reforestation.

[4] Activity data may be further subdivided according to climate zone, management system, soil type, vegetation type, tree species, ecological zone, national land classification or other criteria. Complete one row for each subdivision.

[5] The signs for estimates of gains in carbon stocks are positive (+) and of losses in carbon stocks are negative (-).

[6] In all cases where the good practice guidance methods used give separate estimates of gains and losses, these estimates should be reported.

[7] Note that net change corresponds to increase/decrease of carbon stock (see table 4.2.6a of the IPCC good practice guidance for LULUCF).

[8] According to the Revised 1996 IPCC Guidelines, for the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+). Net changes in carbon stocks are converted to CO_2 by multiplying C by 44/12 and changing the sign for net CO_2 removals to be negative (-) and for net CO_2 emissions to be positive (+).

TABLE 5(KP-I)A.1.2. SUPPLEMENTARY BACKGROUND DATA ON CARBON STOCK CHANGES AND NET CO_2 EMISSIONS AND REMOVALS FOR LAND USE, LAND-USE CHANGE AND FORESTRY ACTIVITIES UNDER THE KYOTO PROTOCOL

Article 3.3 activities: Afforestation and Reforestation[1], [2]

Units of land harvested since the beginning of the commitment period

Country

Year

Submission

GEOGRA-PHICAL LOCATION[3]	ACTIVITY DATA		IMPLIED CARBON STOCK CHANGE FACTORS[7]										CHANGE IN CARBON STOCK[7]									
			Carbon stock change in above-ground biomass per area[5], [6]			Carbon stock change in below-ground biomass per area[5], [6]			Net carbon stock change in litter per area[5]	Net carbon stock change in dead wood per area[5]	Net carbon stock change in soils per area[5]	Implied emission/ removal factor per area[8]	Carbon stock change in above-ground biomass[5], [6]			Carbon stock change in below-ground biomass[5], [6]			Net carbon stock change in litter[5]	Net carbon stock change in dead wood[5]	Net carbon stock change in soils[5]	Net CO_2 emissions/ removals[8]
Identification code	Subdivision[4]	Area subject to the activity	Gains	Losses	Net change	Gains	Losses	Net change					Gains	Losses	Net change	Increase	Decrease	Net change				
		(kha)	(Mg C/ha)									(Mg CO_2/ha)	(Gg C)									(Gg CO_2)
Total for activity A.1.2																						
[specify identification code]																						
	[specify subdivision]																					
	[specify subdivision]																					
[specify identification code]																						
	[specify subdivision]																					
…	…																					

Documentation box:

Parties should provide detailed explanation on the land use, land-use change and forestry sector in the relevant annex of the NIR: Supplementary information on LULUCF activities under the Kyoto Protocol. Use this documentation box to provide references to relevant sections of the NIR if any additional details are needed to understand the content of this table.

[1] Report here information on anthropogenic change in carbon stock for the inventory year for all geographical locations that encompass units of land subject to Afforestation and Reforestation under Article 3.3 harvested since the beginning of the commitment period.

[2] As both Afforestation and Reforestation under Article 3.3 are subject to the same provisions specified in the annex to draft decision -/CMP.1 (*Land use, land-use change and forestry*), attached to decision 11/CP.7, they can be reported together.

[3] Geographical location refers to the boundaries of the areas that encompass units of land subject to Afforestation and Reforestation.

[4] Activity data may be further subdivided according to climate zone, management system, soil type, vegetation type, tree species, ecological zone, national land classification or other criteria. Complete one row for each subdivision.

[5] The signs for estimates of gains in carbon stocks are positive (+) and of losses in carbon stocks are negative (-).

[6] In all cases where the good practice guidance methods used give separate estimates of gains and losses, these estimates should be reported.

[7] Note that net change corresponds to increase/decrease of carbon stock (see table 4.2.6a of the IPCC good practice guidance for LULUCF).

[8] According to the Revised 1996 IPCC Guidelines, for the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+). Net changes in carbon stocks are converted to CO_2 by multiplying C by 44/12 and changing the sign for net CO_2 removals to be negative (-) and for net CO_2 emissions to be positive (+).

TABLE 5(KP-I)A.1.3. SUPPLEMENTARY BACKGROUND FOR LAND USE, LAND-USE CHANGE AND FORESTRY ACTIVITIES UNDER THE KYOTO PROTOCOL
Article 3.3 activities: Afforestation and Reforestation[1, 2]
Units of land otherwise subject to elected activities under Article 3.4 (information item)

Country
Year
Submission

GEOGRAPHICAL LOCATION[3]	ACTIVITY DATA	
Identification code	**Subdivision[4]**	**Area subject to the activity (kha)**
Total for activity A.1.3		
[specify identification code]		
…	*[specify subdivision]*	
	[specify subdivision]	
[specify identification code]		
…	…	

Documentation box:
Parties should provide detailed explanation on the land use, land-use change and forestry sector in the relevant annex of the NIR: Supplementary information on LULUCF activities under the Kyoto Protocol. Use this documentation box to provide references to relevant sections of the NIR if any additional details are needed to understand the content of this table.

[1] Units of land subject to Afforestation or Reforestation under Article 3.3 otherwise subject to elected activities under Article 3.4 are implicitly included under A.1.1 or A.1.2. They are reported here for transparency and to fulfill the requirement of paragraph 6 (b) (ii) of the annex to draft decision -/CMP.1 (*Article 7*), attached to decision 22/CP.7.

[2] As both Afforestation and Reforestation under Article 3.3 are subject to the same provisions specified in the annex to draft decision -/CMP.1 (Land use, land-use change and forestry), attached to decision 11/CP.7, they can be reported together.

[3] Geographical location refers to the boundaries of the areas that encompass units of land subject to Afforestation and Reforestation, which would otherwise be included in land subject to elected activities under Article 3.4.

[4] Activity data may be further subdivided according to climate zone, management system, soil type, vegetation type, tree species, ecological zone, national land classification or other criteria. Complete one row for each subdivision.

TABLE 5(KP-I)A.2. SUPPLEMENTARY BACKGROUND DATA ON CARBON STOCK CHANGES AND NET CO_2 EMISSIONS AND REMOVALS FOR LAND USE, LAND-USE CHANGE AND FORESTRY ACTIVITIES UNDER THE KYOTO PROTOCOL
Article 3.3 activities: Deforestation[1]

Country
Year
Submission

GEOGRA-PHICAL LOCATION[2]	ACTIVITY DATA		IMPLIED CARBON STOCK CHANGE FACTORS[6]									Implied emission/ removal factor per area[7]	CHANGE IN CARBON STOCK[6]									Net CO_2 emissions/ removals[7]
			Carbon stock change in above-ground biomass per area[4, 5]			Carbon stock change in below-ground biomass per area[4, 5]			Net carbon stock change in litter per area[4]	Net carbon stock change in dead wood per area[4]	Net carbon stock change in soils per area[4]		Carbon stock change in above-ground biomass[4, 5]			Carbon stock change in below-ground biomass[4, 5]			Net carbon stock change in litter[4]	Net carbon stock change in dead wood[4]	Net carbon stock change in soils[4]	
Identification code	Subdivision[3]	Area subject to the activity	Gains	Losses	Net change	Gains	Losses	Net change					Gains	Losses	Net change	Gains	Losses	Net change				
		(kha)	(Mg C/ha)									(Mg CO_2/ha)	(Gg C)									(Gg CO_2)
Total for activity A.2.																						
[specify identification code]																						
	[specify subdivision]																					
	[specify subdivision]																					
[specify identification code]																						
	[specify subdivision]																					
…	…																					

Documentation box:
Parties should provide detailed explanation on the land use, land-use change and forestry sector in the relevant annex of the NIR: Supplementary information on LULUCF activities under the Kyoto Protocol. Use this documentation box to provide references to relevant sections of the NIR if any additional details are needed to understand the content of this table.

(1) Report here information on anthropogenic change in carbon stock for the inventory year for all geographical locations that encompass units of land subject to Deforestation under Article 3.3.
(2) Geographical location refers to the boundaries of the areas that encompass units of land subject to Deforestation.
(3) Activity data may be further subdivided according to climate zone, management system, soil type, vegetation type, tree species, ecological zone, national land classification or other criteria. Complete one row for each subdivision.
(4) The signs for estimates of gains in carbon stocks are positive (+) and of losses in carbon stocks are negative (-).
(5) In all cases where the good practice guidance methods used give separate estimates of gains and losses, these estimates should be reported.
(6) Note that net change corresponds to increase/decrease of carbon stock (see table 4.2.6a of the IPCC good practice guidance for LULUCF).
(7) According to the Revised 1996 IPCC Guidelines, for the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+). Net changes in carbon stocks are converted to CO_2 by multiplying C by 44/12 and changing the sign for net CO_2 removals to be negative (-) and for net CO_2 emissions to be positive (+).

TABLE 5(KP-I)A.2.1. SUPPLEMENTARY BACKGROUND DATA FOR LAND USE, LAND-USE CHANGE AND FORESTRY ACTIVITIES UNDER THE KYOTO PROTOCOL
Article 3.3 activities: Deforestation[(1)]
Units of land otherwise subject to elected activities under Article 3.4 (information item)

Country
Year
Submission

GEOGRAPHICAL LOCATION[(2)]	ACTIVITY DATA	
Identification code	**Subdivision[(3)]**	**Area subject to the activity (kha)**
Total for activity A.2.1.		
[specify identification code]		
…	*[specify subdivision]*	
…	*[specify subdivision]*	
[specify identification code]		
…	…	

Documentation box:
Parties should provide detailed explanation on the land use, land-use change and forestry sector in the relevant annex of the NIR: Supplementary information on LULUCF activities under the Kyoto Protocol. Use this documentation box to provide references to relevant sections of the NIR if any additional details are needed to understand the content of this table.

[(1)] Units of lands subject to Deforestation under Article 3.3 otherwise subject to elected activities under Article 3.4 are implicitly included under A.2. They are reported here for transparency and to fulfill the requirement of paragraph 6 (b) (ii) of the annex to draft decision -/CMP.1 (*Article 7*), attached to decision 22/CP.7.
[(2)] Geographical location refers to the boundaries of the areas that encompass units of land subject to Deforestation which would otherwise be included in land subject to elected activities under Article 3.4.
[(3)] Activity data may be further subdivided according to climate zone, management system, soil type, vegetation type, tree species, ecological zone, national land classification or other criteria. Complete one row for each subdivision.

TABLE 5(KP-I)B.1. SUPPLEMENTARY BACKGROUND DATA ON CARBON STOCK CHANGES AND NET CO_2 EMISSIONS AND REMOVALS FOR LAND USE, LAND-USE CHANGE AND FORESTRY ACTIVITIES UNDER THE KYOTO PROTOCOL
Elected Article 3.4 activities: Forest Management[1]

Country
Year
Submission

GEOGRA-PHICAL LOCATION[2]	ACTIVITY DATA		IMPLIED CARBON STOCK CHANGE FACTORS[6]									Implied emission/ removal factor per area[7]	CHANGE IN CARBON STOCK[6]									Net CO_2 emissions/ removals[7]
			Carbon stock change in above-ground biomass per area[4], [5]			Carbon stock change in below-ground biomass per area[4], [5]			Net carbon stock change in litter per area[4]	Net carbon stock change in dead wood per area[4]	Net carbon stock change in soils per area[4]		Carbon stock change in above-ground biomass[4], [5]			Carbon stock change in below-ground biomass[4], [5]			Net carbon stock change in litter[4]	Net carbon stock change in dead wood[4]	Net carbon stock change in soils[4]	
Identification code	Subdivision[3]	Area subject to the activity	Gains	Losses	Net change	Gains	Losses	Net change					Gains	Losses	Net change	Gains	Losses	Net change				
		(kha)	(Mg C/ha)									(Mg CO_2/ha)	(Gg C)									(Gg CO_2)
Total for activity B.1																						
[specify identification code]																						
	[specify subdivision]																					
	[specify subdivision]																					
[specify identification code]																						
	[specify subdivision]																					
…	…																					

Documentation box:
Parties should provide detailed explanation on the land use, land-use change and forestry sector in the relevant annex of the NIR: Supplementary information on LULUCF activities under the Kyoto Protocol. Use this documentation box to provide references to relevant sections of the NIR if any additional details are needed to understand the content of this table.

[1] If Forest Management has been elected, report here information on anthropogenic carbon stock change for the inventory year for all geographical locations that encompass land subject to Forest Management under Article 3.4.

[2] Geographical location refers to the boundaries of the areas that encompass land subject to Forest Management (if elected).

[3] Activity data may be further subdivided according to climate zone, management system, soil type, vegetation type, tree species, ecological zone, national land classification or other criteria. Complete one row for each subdivision.

[4] The signs for estimates of gains in carbon stocks are positive (+) and of losses in carbon stocks are negative (-).

[5] In all cases where the good practice guidance methods used give separate estimates of gains and losses, these estimates should be reported.

[6] Note that net change corresponds to increase/decrease of carbon stock (see table 4.2.6a of the IPCC good practice guidance for LULUCF).

[7] According to the Revised 1996 IPCC Guidelines, for the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+). Net changes in carbon stocks are converted to CO_2 by multiplying C by 44/12 and changing the sign for net CO_2 removals to be negative (-) and for net CO_2 emissions to be positive (+).

TABLE 5(KP-I)B.2 SUPPLEMENTARY BACKGROUND DATA ON CARBON STOCK CHANGES AND NET CO_2 EMISSIONS AND REMOVALS FOR LAND USE, LAND-USE CHANGE AND FORESTRY ACTIVITIES UNDER THE KYOTO PROTOCOL
Elected Article 3.4 activities: Cropland Management[1], [2]

Country
Year
Submission

GEOGRA-PHICAL LOCATION[3]	ACTIVITY DATA			IMPLIED CARBON STOCK CHANGE FACTORS[7]										Implied emission/ removal factor per area[f0]	CHANGE IN CARBON STOCK[7]										Net CO_2 emissions/ removals[10]
				Carbon stock change in above-ground biomass per area[5], [6]			Carbon stock change in below-ground biomass per area[5], [6]			Net carbon stock change in litter per area[5]	Net carbon stock change in dead wood per area[5]	Net carbon stock change in soils per area[5]			Carbon stock change in above-ground biomass[5], [6]			Carbon stock change in below-ground biomass[5], [6]			Net C stock change in litter[5]	Net carbon stock change in dead wood[5]	Net carbon stock change in soils[5]		
Identification code	Subdivision[4]	Area subject to the activity	Area of organic soils[9]	Gains	Losses	Net change	Gains	Losses	Net change			Mineral soils	Organic soils		Gains	Losses	Net change	Gains	Losses	Net change			Mineral soils	Organic soils[8]	
		(kha)	(kha)	(Mg C/ha)										(Mg CO_2/ha)	(Gg C)										(Gg CO_2)
Total for activity B.2																									
[specify identification code]																									
	[specify subdivision]																								
	[specify subdivision]																								
[specify identification code]																									
	[specify subdivision]																								
…	…																								

Documentation box:
Parties should provide detailed explanation on the land use, land-use change and forestry sector in the relevant annex of the NIR: Supplementary information on LULUCF activities under the Kyoto Protocol. Use this documentation box to provide references to relevant sections of the NIR if any additional details are needed to understand the content of this table.

[1] If Cropland Management has been elected, report here information on anthropogenic carbon stock change for the inventory year for all geographical locations that encompass land subject to Cropland Management under Article 3.4.
[2] If Cropland Management has been elected, this table and all relevant CRF tables should also be reported for the base year for Cropland Management.
[3] Geographical location refers to the boundaries of the areas that encompass land subject to Cropland Management (if elected).
[4] Activity data may be further subdivided according to climate zone, management system, soil type, vegetation type, tree species, ecological zone, national land classification or other criteria. Complete one row for each subdivision.
[5] The signs for estimates of gains in carbon stocks are positive (+) and of losses in carbon stocks are negative (-).
[6] In all cases where the good practice guidance methods used give separate estimates of gains and losses, these estimates should be reported.
[7] Note that net change corresponds to increase/decrease of carbon stock (see table 4.2.6b of the IPCC good practice guidance for LULUCF).
[8] The value reported here is an emission and not a carbon stock change.
[9] This information is needed for the calculation of the net carbon stock changes in soils per area.
[10] According to the Revised 1996 IPCC Guidelines, for the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+). Net changes in carbon stocks are converted to CO_2 by multiplying C by 44/12 and changing the sign for net CO_2 removals to be negative (-) and for net CO_2 emissions to be positive (+).

TABLE 5(KP-I)B.3 SUPPLEMENTARY BACKGROUND DATA ON CARBON STOCK CHANGES AND NET CO_2 EMISSIONS AND REMOVALS FOR LAND USE, LAND-USE CHANGE AND FORESTRY ACTIVITIES UNDER THE KYOTO PROTOCOL
Elected Article 3.4 activities: Grazing Land Management[1, 2]

Country
Year
Submission

GEOGRAPHICAL LOCATION[3]	ACTIVITY DATA			IMPLIED CARBON STOCK CHANGE FACTORS[7]											CHANGE IN CARBON STOCK[7]										
				Carbon stock change in above-ground biomass per area[5, 6]			Carbon stock change in below-ground biomass per area[5, 6]			Net carbon stock change in litter per area[5]	Net carbon stock change in dead wood per area[5]	Net carbon stock change in soils per area[5]		Implied emission/ removal factor per area[10]	Carbon stock change in above-ground biomass[5, 6]			Carbon stock change in below-ground biomass[5, 6]			Net C stock change in litter[5]	Net carbon stock change in dead wood[5]	Net carbon stock change in soils[5]		Net CO_2 emissions/ removals[10]
Identification code	Subdivision[4]	Area subject to the activity	Area of organic soils[9]	Gains	Losses	Gains	Losses	Decrease	Net change			Mineral soils	Organic soils		Gains	Losses	Net change	Gains	Losses	Net change			Mineral soils	Organic soils[8]	
		(kha)	(kha)	(Mg C/ha)										(Mg CO_2/ha)	(Gg C)										(Gg CO_2)
Total for activity B.3																									
[specify identification code]																									
	[specify subdivision]																								
	[specify subdivision]																								
[specify identification code]																									
	[specify subdivision]																								
…	…																								

Documentation box:
Parties should provide detailed explanation on the land use, land-use change and forestry sector in the relevant annex of the NIR: Supplementary information on LULUCF activities under the Kyoto Protocol. Use this documentation box to provide references to relevant sections of the NIR if any additional details are needed to understand the content of this table.

[1] If Grazing Land Management has been elected, report here information on anthropogenic carbon stock change for the inventory year for all geographical locations that encompass land subject to Grazing Land Management under Article 3.4.
[2] If Grazing Land Management has been elected, this table and all relevant CRF tables should also be reported for the base year for Cropland Management.
[3] Geographical location refers to the boundaries of the areas that encompass land subject to Grazing Land Management (if elected).
[4] Activity data may be further subdivided according to climate zone, management system, soil type, vegetation type, tree species, ecological zone, national land classification or other criteria. Complete one row for each subdivision.
[5] The signs for estimates of gains in carbon stocks are positive (+) and of losses in carbon stocks are negative (-).
[6] In all cases where the good practice guidance methods used give separate estimates of gains and losses, these estimates should be reported.
[7] Note that net change corresponds to increase/decrease of carbon stock (see table 4.2.6b of the IPCC good practice guidance for LULUCF).
[8] The value reported here is an emission and not a carbon stock change.
[9] This information is needed for the calculation of the net carbon stock changes in soils per area.
[10] According to the Revised 1996 IPCC Guidelines, for the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+). Net changes in carbon stocks are converted to CO_2 by multiplying C by 44/12 and changing the sign for net CO_2 removals to be negative (-) and for net CO_2 emissions to be positive (+).

TABLE 5(KP-I)B.4 SUPPLEMENTARY BACKGROUND DATA ON CARBON STOCK CHANGES AND NET CO_2 EMISSIONS AND REMOVALS FOR LAND USE, LAND-USE CHANGE AND FORESTRY ACTIVITIES UNDER THE KYOTO PROTOCOL
Elected Article 3.4 activities: Revegetation[1, 2]

Country
Year
Submission

GEOGRAPHICAL LOCATION[3]	ACTIVITY DATA			IMPLIED CARBON STOCK CHANGE FACTORS[7]											CHANGE IN CARBON STOCK[7]										
				Carbon stock change in above-ground biomass per area[5, 6]			Carbon stock change in below-ground biomass per area[5, 6]			Net carbon stock change in litter per area[5]	Net carbon stock change in dead wood per area[5]	Net carbon stock change in soils per area[5]		Implied emission/ removal factor per area[10]	Carbon stock change in above-ground biomass[5, 6]			Carbon stock change in below-ground biomass[5, 6]			Net C stock change in litter[5]	Net carbon stock change in dead wood[5]	Net carbon stock change in soils[5]		Net CO_2 emissions/ removals[10]
Identification code	Subdivision[4]	Area subject to the activity	Area of organic soils[9]	Gains	Losses	Net change	Gains	Losses	Net change			Mineral soils	Organic soils		Gains	Losses	Net change	Gains	Losses	Net change			Mineral soils	Organic soils[8]	
		(kha)	(kha)	(Mg C/ha)										(Mg CO_2/ha)	(Gg C)										(Gg CO_2)
Total for activity B.4																									
[specify identification code]																									
	[specify subdivision]																								
	[specify subdivision]																								
[specify identification code]																									
	[specify subdivision]																								
…	…																								

Documentation box:
Parties should provide detailed explanation on the land use, land-use change and forestry sector in the relevant annex of the NIR: Supplementary information on LULUCF activities under the Kyoto Protocol. Use this documentation box to provide references to relevant sections of the NIR if any additional details are needed to understand the content of this table.

[1] If Revegetation has been elected, report here information on anthropogenic carbon stock change for the inventory year for all geographical locations that encompass land subject to Revegetation under Article 3.4.
[2] If Revegetation has been elected, this table and all relevant CRF tables should also be reported for the base year for Revegetation.
[3] Geographical location refers to the boundaries of the areas that encompass land subject to Revegetation (if elected).
[4] Activity data may be further subdivided according to climate zone, management system, soil type, vegetation type, tree species, ecological zone, national land classification or other criteria. Complete one row for each subdivision.
[5] The signs for estimates of gains in carbon stocks are positive (+) and of losses in carbon stocks are negative (-).
[6] In all cases where the good practice guidance methods used give separate estimates of gains and losses, these estimates should be reported.
[7] Note that net change corresponds to increase/decrease of carbon stock (see table 4.2.6b of the IPCC good practice guidance for LULUCF).
[8] The value reported here is an emission and not a carbon stock change.
[9] This information is needed for the calculation of the net carbon stock changes in soils per area.
[10] According to the Revised 1996 IPCC Guidelines, for the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+). Net changes in carbon stocks are converted to CO_2 by multiplying C by 44/12 and changing the sign for net CO_2 removals to be negative (-) and for net CO_2 emissions to be positive (+).

TABLE 5(KP-II)1 SUPPLEMENTARY BACKGROUND DATA FOR LAND USE, LAND-USE CHANGE AND FORESTRY ACTIVITIES UNDER THE KYOTO PROTOCOL
Direct N_2O emissions from N fertilization[1, 2]

Country
Year
Submission

Identification code of geographical location	ACTIVITY DATA	IMPLIED EMISSION FACTOR	EMISSIONS
	Total amount of fertilizer applied (Gg N/year)	N_2O-N emissions per unit of fertilizer (kg N_2O-N/kg N)[3]	N_2O (Gg)
A.1.1. Afforestation/Reforestation: units of land not harvested since the beginning of the commitment period[4]			
[specify identification code]			
…			
A.1.2. Afforestation/Reforestation: units of land harvested since the beginning of the commitment period[4]			
[specify identification code]			
…			
B.1. Forest Management (if elected)[5]			
[specify identification code]			
…			

Documentation box:
Parties should provide detailed explanation on the land use, land-use change and forestry sector in the relevant annex of the NIR: Supplementary information on LULUCF activities under the Kyoto Protocol. Use this documentation box to provide references to relevant sections of the NIR if any additional details are needed to understand the content of this table.

[1] N_2O emissions from fertilization for Cropland Management, Grazing Land Management and Revegetation should be reported in the Agriculture sector. If a Party is not able to separate fertilizer applied to Forest Land from Agriculture, it may report all N_2O emissions from fertilization in the Agriculture sector. This should be explicitly indicated in the documentation box.
[2] Direct N_2O emissions from fertilization are estimated following section 3.2.1.4.1 of the IPCC good practice guidance for LULUCF based on the amount of fertilizer applied to land under Forest Management. The indirect N_2O emissions from Afforestation and Reforestation and land under Forest Management are estimated as part of the total indirect emissions in the Agriculture sector based on the total amount of fertilizer used in the country. Parties should show that double counting of N_2O emissions from fertilization with Agriculture sector estimates has been avoided.
[3] In the calculation of the implied emission factor, N_2O emissions are converted to N_2O-N by multiplying by 28/44.
[4] Geographical location refers to the boundaries of the areas that encompass units of land subject to Afforestation and Reforestation.
[5] Geographical location refers to the boundaries of the areas that encompass land subject to Forest Management (if elected).

TABLE 5(KP-II)2 SUPPLEMENTARY BACKGROUND DATA FOR LAND USE, LAND-USE CHANGE AND FORESTRY ACTIVITIES UNDER THE KYOTO PROTOCOL
N_2O emissions from drainage of soils[1, 2]

Country
Year
Submission

Identification code of geographical location[3]	ACTIVITY DATA Area of drained soils (kha)	IMPLIED EMISSION FACTOR N_2O-N per area drained (kg N_2O-N/ha)[4]	EMISSIONS N_2O (Gg)
B.1. Forest Management (if elected)			
Total for organic soils			
Total for mineral soils			
[specify identification code]			
Organic soils			
Mineral soils			
…			

Documentation box: Parties should provide detailed explanation on the land use, land-use change and forestry sector in the relevant annex of the NIR: Supplementary information on LULUCF activities under the Kyoto Protocol. Use this documentation box to provide references to relevant sections of the NIR if any additional details are needed to understand the content of this table.

[1] Methodologies for estimating N_2O emissions from drainage of soils are not addressed in the Revised 1996 IPCC Guidelines, but Appendix 3a.2 of the IPCC good practice guidance for LULUCF provides methodologies for consideration.
[2] N_2O emissions from drainage of soils include those resulting from Forest Management. N_2O emissions from drained Cropland and Grassland soils are covered in the Agriculture sector under Cultivation of Histosols.
[3] Geographical location refers to the boundaries of the areas that encompass land subject to Forest Management (if elected).
[4] In the calculation of the implied emission factor, N_2O emissions are converted to N_2O-N by multiplying by 28/44.

TABLE 5(KP-II)3 SUPPLEMENTARY BACKGROUND DATA FOR LAND USE, LAND-USE CHANGE AND FORESTRY ACTIVITIES UNDER THE KYOTO PROTOCOL
N_2O emissions from disturbance associated with land-use conversion to cropland[1, 2]

Country
Year
Submission

Identification code of geographical location	ACTIVITY DATA	IMPLIED EMISSION FACTOR	EMISSIONS
	Land area converted (kha)	N_2O-N per area converted[5] (kg N_2O-N/ha)	N_2O (Gg)
A.2. Deforestation[3, 6]			
Total organic soils			
Total mineral soils			
[specify identification code]			
Organic soils[7]			
Mineral soils[7]			
…			
B.2. Cropland Management (if elected)[4, 8]			
Total organic soils			
Total mineral soils			
[specify identification code]			
Organic soils[7]			
Mineral soils[7]			
…			
Information items[9]			
A.2.1. Deforestation: units of land otherwise subject to elected activities under Article 3.4[6]			
Total organic soils			
Total mineral soils			
[specify identification code]			
Organic soils[7]			
Mineral soils[7]			
…			

Documentation box:
Parties should provide detailed explanation on the land use, land-use change and forestry sector in the relevant annex of the NIR: Supplementary information on LULUCF activities under the Kyoto Protocol. Use this documentation box to provide references to relevant sections of the NIR if any additional details are needed to understand the content of this table.

[1] Methodologies for N_2O emissions from disturbance associated with land-use conversion to Croplands are found in section 3.3.2.3.1.1 of the IPCC good practice guidance for LULUCF. N_2O emissions from fertilization in the preceding land use and new land use should not be reported here. Parties should avoid double counting with N_2O emissions from drainage and from cultivation of organic soils reported in Agriculture under Cultivation of Histosols.

[2] According to the IPCC good practice guidance for LULUCF N_2O emissions from disturbance of soils are relevant only for land conversions to Cropland. N_2O emissions from Cropland Management when Cropland is remaining Cropland are included in the Agriculture sector.

[3] Geographical location refers to the boundaries of the areas that encompass units of land subject to Deforestation.

[4] Geographical location refers to the boundaries of the areas that encompass land subject to Cropland Management, if elected.

[5] In the calculation of the implied emission factor, N_2O emissions are converted to N_2O-N by multiplying by 28/44.

[6] N_2O emissions associated with Deforestation followed by the establishment of Cropland should be reported under Deforestation even if Cropland Management is not elected under Article 3.4.

[7] Parties may separate data for organic and mineral soils, if they have data available.

[8] This includes N_2O emissions in land subject to Cropland Management from disturbance of soils due to the conversion to Cropland of lands other than Forest Lands.

[9] Units of land subject to Deforestation under Article 3.3 otherwise subject to elected activities under Article 3.4 are implicitly included under A.2. They are reported here for transparency and to fulfil the requirement of paragraph 6 (b) (ii) of the annex to draft decision -/CMP.1 (*Article 7*), attached to decision 22/CP.7.

TABLE 5(KP-II)4 SUPPLEMENTARY BACKGROUND DATA FOR LAND USE, LAND-USE CHANGE AND FORESTRY ACTIVITIES UNDER THE KYOTO PROTOCOL
Carbon emissions from lime application[1]

Country
Year
Submission

Identification code of geographical location[2]	ACTIVITY DATA Total amount of lime applied (Mg/year)	IMPLIED EMISSION FACTOR Carbon emission per unit of lime (Mg C/Mg)	EMISSIONS Carbon (Gg)
A.1.1. Afforestation/Reforestation: units of land not harvested since the beginning of the commitment period[2], [8], [9]			
Total for limestone			
Total for dolomite			
[specify identification code]			
Limestone ($CaCO_3$)			
Dolomite ($CaMg(CO_3)_2$)			
…			
A.1.2. Afforestation/Reforestation: units of land harvested since the beginning of the commitment period[2], [8], [9]			
Total for limestone			
Total for dolomite			
[specify identification code]			
Limestone ($CaCO_3$)			
Dolomite ($CaMg(CO_3)_2$)			
…			
A.2. Deforestation[3], [8], [9]			
Total for limestone			
Total for dolomite			
[specify identification code]			
Limestone ($CaCO_3$)			
Dolomite ($CaMg(CO_3)_2$)			
…			
B.1. Forest Management (if elected)[4], [8], [9]			
Total for limestone			
Total for dolomite			
[specify identification code]			
Limestone ($CaCO_3$)			
Dolomite ($CaMg(CO_3)_2$)			
…			
B.2. Cropland Management (if elected)[5], [8], [9]			
Total for limestone			
Total for dolomite			
[specify identification code]			
Limestone ($CaCO_3$)			
Dolomite ($CaMg(CO_3)_2$)			
…			
B.3. Grazing Land Management (if elected)[6], [8], [9]			
Total for limestone			
Total for dolomite			
[specify identification code]			
Limestone ($CaCO_3$)			
Dolomite ($CaMg(CO_3)_2$)			
…			
B.4. Revegetation (if elected)[7], [8], [9]			
Total for limestone			
Total for dolomite			
[specify identification code]			
Limestone ($CaCO_3$)			
Dolomite ($CaMg(CO_3)_2$)			
…			

Documentation box:
Parties should provide detailed explanation on the land use, land-use change and forestry sector in the relevant annex of the NIR: Supplementary information on LULUCF activities under the Kyoto Protocol. Use this documentation box to provide references to relevant sections of the NIR if any additional details are needed to understand the content of this table.

[1] Carbon emissions from agricultural lime application are addressed in sections 3.3.1.2.1.1 and 3.3.2.1.1.1 of the IPCC good practice guidance for LULUCF.
[2] Geographical location refers to the boundaries of the areas that encompass units of land subject to Afforestation and Reforestation.
[3] Geographical location refers to the boundaries of the areas that encompass units of land subject to Deforestation.
[4] Geographical location refers to the boundaries of the areas that encompass land subject to Forest Management, if elected.
[5] Geographical location refers to the boundaries of the areas that encompass land subject to Cropland Management, if elected.
[6] Geographical location refers to the boundaries of the areas that encompass land subject to Grazing Land Management, if elected.
[7] Geographical location refers to the boundaries of the areas that encompass land subject to Revegetation, if elected.
[8] If Parties are not able to separate lime application for different geographical locations, they should include liming for all geographical locations in the total.
[9] A Party may report aggregate estimates for total lime applications when data are not available for limestone and dolomite.

TABLE 5(KP-II)5 SUPPLEMENTARY BACKGROUND DATA FOR LAND USE, LAND-USE CHANGE AND FORESTRY ACTIVITIES UNDER THE KYOTO PROTOCOL
GHG emissions from biomass burning

Country
Year
Submission

Identification code of geographical location	ACTIVITY DATA			IMPLIED EMISSION FACTOR			EMISSIONS		
	Description[7]	Unit	Values	CO_2	CH_4	N_2O	CO_2[8]	CH_4[8]	N_2O
	Area (AB) or biomass burned (BB)	ha or kg dm		(Mg/activity data unit)			(Gg)		
A.1.1. Afforestation/Reforestation: units of land not harvested since the beginning of the commitment period[1], [9]									
Total for controlled burning									
Total for wildfires									
[specify identification code]									
Controlled burning									
Wildfires									
…									
A.1.2. Afforestation/Reforestation: units of land harvested since the beginning of the commitment period[1], [9]									
Total for controlled burning									
Total for wildfires									
[specify identification code]									
Controlled burning									
Wildfires									
…									
A.2. Deforestation[2], [9]									
Total for controlled burning									
Total for wildfires									
[specify identification code]									
Controlled burning									
Wildfires									
…									
B.1. Forest Management (if elected)[3], [9]									
Total for controlled burning									
Total for wildfires									
[specify identification code]									
Controlled burning									
Wildfires									
…									
B.2. Cropland Management (if elected)[4], [9], [10]									
Total for controlled burning									
Total for wildfires									
[specify identification code]									
Controlled burning									
Wildfires									
…									
B.3. Grazing Land Management (if elected)[5], [9], [11]									
Total for controlled burning									
Total for wildfires									
[specify identification code]									
Controlled burning									
Wildfires									
…									
B.4. Revegetation (if elected)[6], [9]									
Total for controlled burning									
Total for wildfires									
[specify identification code]									
Controlled burning									
Wildfires									
…									

Documentation box:
Parties should provide detailed explanation on the land use, land-use change and forestry sector in the relevant annex of the NIR: Supplementary information on LULUCF activities under the Kyoto Protocol. Use this documentation box to provide references to relevant sections of the NIR if any additional details are needed to understand the content of this table.

(1) Geographical location refers to the boundaries of the areas that encompass units of land subject to Afforestation and Reforestation.
(2) Geographical location refers to the boundaries of the areas that encompass units of land subject to Deforestation.
(3) Geographical location refers to the boundaries of the areas that encompass land subject to Forest Management, if elected.
(4) Geographical location refers to the boundaries of the areas that encompass land subject to Cropland Management, if elected.
(5) Geographical location refers to the boundaries of the areas that encompass land subject to Grazing Land Management, if elected.
(6) Geographical location refers to the boundaries of the areas that encompass land subject to Revegetation, if elected.
(7) For each activity, activity data should be selected between area burned (AB) or biomass burned (BB). Units will be ha for area burned, and kg dm for biomass burned. The implied emission factor will refer to the selected activity data with an automatic change in the units.
(8) If CO_2 emissions from biomass burning are not already included in Tables 5(KP-I)A.1.1 to 5(KP-I)B.4, they should be reported here. This also includes the carbon component of CH_4. This should be clearly documented in the documentation box and in the NIR. Parties that include all carbon stock changes in the carbon stock tables (5(KP-I)A.1.1 to 5(KP-I)B.4) should report IE (included elsewhere) in the CO_2 column.
(9) Parties should report controlled/prescribed burning and wildfires emissions separately, where appropriate.
(10) Burning of agricultural residues is included in the Agriculture sector.
(11) Greenhouse gas emissions from prescribed savannah burning are reported in the Agriculture sector.

决定草案-/CMP.1

《京都议定书》第三条第 **3** 款和第 **4** 款之下的土地利用、土地利用的变化和林业活动的良好做法指导意见

作为《京都议定书》缔约方会议的《公约》缔约方会议，

回顾《京都议定书》第三条第 3 款和第 4 款、第五条第 2 款和第七条第 1 款等规定，

回顾第 11/CP.7、第 19/CP.7、第 21/CP.7、第 22/CP.7 和第 13/CP.9 号决定，

重申《蒙特利尔议定书》未予管制的温室气体人为源排放量和汇清除量应以透明、一致、可比、完整和准确的方式加以报告，

审议了附属科学技术咨询机构的有关建议，

1. 决定，对于第一个承诺期，已批准了《京都议定书》的《公约》附件一所列缔约方应以符合《京都议定书》和决定草案-/CMP.1 (土地利用、土地利用的变化和林业）及本决定草案附件的方式 [1] 运用政府间气候变化专门委员会制定的关于土地利用、土地利用的变化和林业的良好做法指导意见，以按照《京都议定书》第五条第 2 款报告《京都议定书》第三条第 3 款之下土地利用、土地利用的变化和林业的和第三条第 4 款之下可能选定的活动的温室气体人为源排放量和汇清除量；

2. 决定，为报告第一个承诺期年度温室气体清单信息以外的补充信息，除了第 22/CP.7 号决定所附决定草案-/CMP(第七条)第 5 至 9 段规定的内容之外，使用补充信息，此种信息准备纳入本决定附件一所载国家清单报告附件，以及本决定附件二所载《京都议定书》第三条第 3 款和第 4 款之下的活动通用报告格式 [2] 表格；

3. 请秘书处为以上第 2 段所述表格开发软件。

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[1] 政府间气候变化专门委员会关于土地利用、土地利用的变化和林业的良好做法指导意见第 4 章所载报告方法应确保第三条第 3 款和第 4 款之下的土地利用、土地利用的变化和林业活动所涉土地面积是能够确定的。

[2] 通用报告格式是一种标准格式，由缔约方用于以电子方式报告关于温室气体排放量和清除量的估计数字和任何其他有关信息。出于技术原因(例如，表格和字体大小)，本文件关于土地利用、土地利用的变化和林业活动的通用报告格式表格的打印本外观无法达到标准一致。

附　件

[有待按照第-/CP.10 号决定第 5 段加以拟订]

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