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changements climatiques**

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Point 3 a) de l'ordre du jour
Questions méthodologiques
Guide des bonnes pratiques pour les activités relevant
du secteur de l'utilisation des terres, du changement
d'affectation des terres et de la foresterie (UTCATF)
au titre du Protocole de Kyoto, produits ligneux récoltés
et autres questions concernant le secteur UTCATF

**Projet de conclusions proposé par les coprésidents du groupe de contact
au titre du point 3 a) de l'ordre du jour**

Additif

**Recommandation de l'Organe subsidiaire
de conseil scientifique et technologique**

[L'Organe subsidiaire de conseil scientifique et technologique (SBSTA) a décidé,
à sa vingt et unième session, de recommander à la Conférence des Parties d'adopter le projet
de décision suivant lors de sa dixième session:]

Projet de décision -/CP.10

[Guide des bonnes pratiques pour les activités relevant du secteur de l'utilisation des terres, du changement d'affectation des terres et de la foresterie au titre des paragraphes 3 et 4 de l'article 3 du Protocole de Kyoto]

La Conférence des Parties,

Rappelant les décisions 11/CP.7, 19/CP.7, 21/CP.7, 22/CP.7 et 13/CP.9,

[1. *Recommande* que la Conférence des Parties agissant comme réunion des Parties au Protocole de Kyoto adopte le projet de décision -/CMP.1 (*Guide des bonnes pratiques pour les activités relevant du secteur de l'utilisation des terres, du changement d'affectation des terres et de la foresterie au titre des paragraphes 3 et 4 de l'article 3 du Protocole de Kyoto*) présenté ci-après;]

2. *Encourage* les Parties visées à l'annexe I de la Convention qui ont ratifié le Protocole de Kyoto à présenter, sur une base volontaire, les estimations des émissions de gaz à effet de serre par les sources et des absorptions par les puits provenant des activités visées aux paragraphes 3 et 4 de l'article 3 du Protocole de Kyoto dans la communication qu'elles doivent soumettre pour le 15 avril 2007, en utilisant les tableaux du cadre uniformisé¹ de présentation pour les activités visées aux paragraphes 3 et 4 de l'article 3 du Protocole de Kyoto figurant dans l'annexe II de la présente décision, ainsi que les informations supplémentaires à joindre en annexe au rapport d'inventaire national, figurant dans l'annexe I de la présente décision;

3. *Invite* les Parties à communiquer au secrétariat, le 30 juin 2007 au plus tard, leurs vues sur les tableaux mentionnés au paragraphe 2 ci-dessus ainsi qu'un bilan de leur utilisation;

¹ Le cadre uniformisé de présentation est un schéma normalisé que les Parties doivent utiliser pour la notification électronique des estimations des émissions et des absorptions de gaz à effet de serre et de toutes autres informations pertinentes. Pour des raisons techniques (par exemple, taille des tableaux et police), dans le présent document la version imprimée des tableaux du cadre uniformisé de présentation pour le secteur de l'utilisation des terres, du changement d'affectation des terres et de la foresterie n'a pas pu être normalisée.

4. *Prie* le secrétariat de faire la synthèse des vues des Parties pour examen par l'Organe subsidiaire de conseil scientifique et technologique à sa vingt-septième session;
5. *Prie* l'Organe subsidiaire de conseil scientifique et technologique, après examen du bilan de l'utilisation des tableaux mentionnés au paragraphe 2 ci-dessus, de mettre à jour ces tableaux et de les inclure dans l'annexe à la décision mentionnée au paragraphe 1 ci-dessus;
6. *Prie* le secrétariat, dans la limite des fonds supplémentaires disponibles, d'élaborer un module provisoire pour les tableaux mentionnés au paragraphe 2 ci-dessus afin de faciliter la préparation des communications attendues pour le 15 avril 2007.

ANNEXE I

Lignes directrices pour la notification des informations supplémentaires sur les activités relevant du secteur de l'utilisation des terres, du changement d'affectation des terres et de la foresterie (UTCATF) au titre des paragraphes 3 et 4 de l'article 3 à joindre en annexe au rapport d'inventaire national

1. La présente annexe fournit des lignes directrices pour la notification des informations supplémentaires sur les activités relevant du secteur de l'utilisation des terres, du changement d'affectation des terres et de la foresterie (UTCATF) au titre des paragraphes 3 et 4 de l'article 3 à inclure dans le rapport d'inventaire national². Ces lignes directrices, destinées à aider les Parties à s'acquitter des prescriptions de la décision 22/CP.7, sont fondées, selon qu'il convient, sur le document intitulé *IPCC Good Practice Guidance for Land Use, Land-Use Change and Forestry* (Guide des bonnes pratiques du Groupe d'experts intergouvernemental sur l'évolution du climat pour le secteur de l'utilisation des terres, du changement d'affectation des terres et de la foresterie). Des informations supplémentaires peuvent être incluses dans le rapport d'inventaire national, en fonction de la méthode suivie par la Partie pour évaluer les émissions et les absorptions de gaz à effet de serre ayant pour origine les activités liées à l'utilisation des terres, au changement d'affectation des terres et à la foresterie au titre du Protocole de Kyoto.
2. Conformément aux lignes directrices ci-dessous, le rapport présenté par les Parties devrait contenir les éléments suivants:
 - a) Informations générales;
 - b) Informations relatives aux terres;
 - c) Informations spécifiques sur les activités;
 - d) Autres informations;
 - e) Informations relatives à l'article 6.

² Le rapport d'inventaire national est établi conformément à la décision 18/CP.8, telle que modifiée par la décision 13/CP.9.

3. Des informations spécifiques sur les activités devraient être communiquées pour chaque activité visée au paragraphe 3 de l'article 3 et pour chaque activité retenue au titre du paragraphe 4 de l'article 3. Comme les activités de boisement et de reboisement sont assujetties aux mêmes dispositions de l'annexe du projet de décision -/CMP.1 (*Utilisation des terres, changement d'affectation des terres et foresterie*), jointe à la décision 11/CP.7, il peut être fait rapport conjointement sur ces activités.

1. Informations générales

- 1.1 Définition des forêts (tableau NIR 1.1) et tous autres critères (par exemple, largeur minimum)
- 1.2 Activités retenues au titre du paragraphe 4 de l'article 3 (voir le tableau NIR 1)
- 1.3 Description des modalités de mise en œuvre des définitions de chaque activité visée au paragraphe 3 de l'article 3 et de chaque activité retenue au titre du paragraphe 4 de l'article 3
- 1.4 Description des conditions de priorité et/ou de la hiérarchie entre les activités visées au paragraphe 4 de l'article 3 et de leur application systématique pour déterminer comment les terres ont été classées.

2. Informations relatives aux terres

- 2.1 Unité d'évaluation spatiale pour déterminer la superficie des terres visées au paragraphe 3 de l'article 3 (conformément au paragraphe 3 de l'annexe du projet de décision -/CMP.1 (*Utilisation des terres, changement d'affectation des terres et foresterie*), jointe à la décision 11/CP.7)
- 2.2 Méthode utilisée pour élaborer la matrice de transition des terres dans le tableau NIR 2
- 2.3 Cartes et/ou bases de données pour identifier les coordonnées géographiques, et système de codes d'identification pour les coordonnées géographiques, tout cela pouvant être notifié électroniquement.

3. Informations spécifiques sur les activités

3.1 Méthodes pour estimer les modifications du stock de carbone ainsi que les émissions et les absorptions de gaz à effet de serre

- 3.1.1 Description des méthodes et hypothèses de bases retenues
- 3.1.2 Justification lorsque l'on omet un réservoir de carbone ou des émissions ou absorptions de gaz à effet de serre provenant d'activités visées au paragraphe 3 de l'article 3 et d'activités retenues au titre du paragraphe 4 de l'article 3 (le tableau NIR 1 devra être accompagné de ces informations dans tous les cas où figure la mention NR (not reported – pas de données))
- 3.1.3 Données indiquant si des émissions indirectes ou naturelles de gaz à effet de serre ont été exclues
- 3.1.4 Modification dans les données et les méthodes depuis la communication précédente (nouveaux calculs) (voir notamment la section 4.2.4.1 du Guide des bonnes pratiques du GIEC pour le secteur de l'utilisation des terres, du changement d'affectation des terres et de la foresterie)
- 3.1.5 Estimations des incertitudes (voir notamment la section 5.2 du Guide des bonnes pratiques du GIEC pour le secteur de l'utilisation des terres, du changement d'affectation des terres et de la foresterie)
- 3.1.6 Information sur d'autres questions méthodologiques (par exemple intervalles de mesure, variabilité interannuelle) (voir notamment la section 4.2.3 du Guide des bonnes pratiques)
- 3.1.7 Aux fins de la comptabilisation requise au paragraphe 18 de l'annexe au projet de décision -/CMP.1 (*Utilisation des terres, changement d'affectation des terres et foresterie*) joint à la décision 11/CP.7, indication de l'année de début d'une activité, si elle a commencé après 2008.

3.2 *Paragraphe 3 de l'article 3*

- 3.2.1 Information montrant que les activités relevant du paragraphe 3 de l'article 3 ont commencé le 1^{er} janvier 1990 ou après et avant le 31 décembre 2012 et résultent directement d'activités humaines
- 3.2.2 Information sur la façon dont l'abattage ou la perturbation de la forêt suivi de son rétablissement sont distingués du déboisement
- 3.2.3 Information sur la taille et l'emplacement géographique des zones forestières qui ont perdu leur couverture mais qui ne sont pas encore classées comme déboisées.

3.3 *Paragraphe 4 de l'article 3*

- 3.3.1 Information montrant que les activités visées au paragraphe 4 de l'article 3 ont été menées depuis le 1^{er} janvier 1990 et sont d'origine humaine
- 3.3.2 Information relative à la gestion des terres cultivées, à la gestion des pâturages et à la restauration du couvert végétal, si de telles mesures ont été retenues, pour l'année de base
- 3.3.3 [Information sur la gestion des forêts:
 - a) Selon laquelle la définition de la forêt pour cette catégorie est conforme à la définition figurant sous le point 1.1 ci-dessus;
 - b) Selon laquelle cette gestion correspond à un ensemble d'opérations effectuées pour administrer et exploiter les forêts de manière à ce qu'elles remplissent durablement certaines fonctions écologiques (y compris la préservation de la diversité biologique), économiques et sociales pertinentes (par. 1 f) de l'annexe au projet de décision -/CMP.1 (*Utilisation des terres, changement d'affectation des terres et foresterie*) joint à la décision 11/CP.7).]

4. Autres informations

4.1 Analyse par grandes catégories pour les activités visées au paragraphe 3 de l'article 3 et toutes activités retenues au titre du paragraphe 4 de l'article 3 (comme, notamment, dans le tableau NIR 3, section 5.4, du Guide des bonnes pratiques du GIEC pour le secteur de l'utilisation des terres, du changement d'affectation des terres et de la foresterie).

5. Informations relatives à l'article 6

Option 1: [Le code d'identification dans les tableaux 5(KP-I)A.1.1, 5(KP-I)A.1.2, 5(KP-I)B.1, 5(KP-I)B.3 et 5(KP-I)B.4 devrait comprendre une indication spécifique permettant de savoir si la terre fait ou non l'objet d'un projet au titre de l'article 6 du Protocole de Kyoto.]

Option 2: [Le code d'identification devrait comprendre une indication spécifique permettant de savoir si les limites de l'emplacement géographique englobent une terre faisant l'objet d'un projet au titre de l'article 6 du Protocole de Kyoto.]

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 ₂ O	N ₂ O	N ₂ O	CO ₂	CO ₂	CH ₄	N ₂ O	
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⁾ N₂O 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 N₂O emissions from fertilization in the Agriculture sector.

⁽⁴⁾ If CO₂ 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 CH₄. Parties that include CO₂ 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
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)}

		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)		
FROM		(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 B 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 LULUCF 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⁾					
<i>For example: Cropland Management</i>	<i>CO₂</i>	<i>X (Cropland remaining Cropland)</i>			

⁽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).

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 ₂ O ⁽⁶⁾
	(Gg)		
	A	B	C
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 CO₂ by multiplying C by 44/12 and by changing the sign for net CO₂ removals to be negative (-) and net CO₂ emissions to be positive (+).
- (4) CO₂ emissions from liming, biomass burning and drained organic soils, where applicable, are included in this column.
- (5) CH₄ 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 CH₄ emissions from Agriculture should be reported in the Agriculture sector.
- (6) N₂O 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 N₂O from conversion to Cropland of lands other than Forest Land (Table 5(KP-II)3). Any other N₂O 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 CO₂ 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 not harvested since the beginning of the commitment period

Country

Year
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⁾	
			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⁾
	Gains	Losses	Net change	Gains	Losses	Net change	Gains	Losses					Net change	Gains	Losses	Net change	Gains	Losses		
	Area subject to the activity	Subdivision ⁽⁴⁾	(Mg C/ha)										(Mg CO ₂ /ha)	(Gg C)						(Gg CO ₂)
Identification code		(kha)																		
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 CO₂ by multiplying C by 44/12 and changing the sign for net CO₂ removals to be negative (-) and for net CO₂ emissions to be positive (+).

TABLE 5(KP-DA.1.2. SUPPLEMENTARY BACKGROUND DATA ON CARBON STOCK CHANGES AND NET CO₂ 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 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⁾			
			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	Increase	Decrease					Net change	Increase	Decrease	Net change						
									(kha)		(Mg C/ha)						(Mg CO ₂ /ha)	(Gg C)				
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.																						
È																						

⁽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 CO₂ by multiplying C by 44/12 and changing the sign for net CO₂ removals to be negative (-) and for net CO₂ 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 fulfil 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 CO₂ 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 _____

GEOGRAPHICAL 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 (kha)	Gains	Losses	Net change	Gains	Losses					Net change	Gains	Losses	Net change	Gains	Losses				
									(Mg C/ha)											(Mg CO ₂ /ha)	(Gg C)	
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 CO₂ by multiplying C by 44/12 and changing the sign for net CO₂ removals to be negative (-) and for net CO₂ 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.		
<i>[specify identification code]</i>		
...	<i>[specify subdivision]</i>	
...	<i>[specify subdivision]</i>	
<i>[specify identification code]</i>		
...	...	

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 fulfil 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 CO₂ 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

GEOGRAPHICAL LOCATION ⁽²⁾	ACTIVITY DATA		IMPLIED CARBON STOCK CHANGE FACTORS ⁽⁶⁾									IMPLIED EMISSION/REMOVAL 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⁾	
	Gains	Losses	Net change	Gains	Losses	Net change	Gains	Losses					Net change	Gains	Losses	Net change	Gains	Losses					Net change
Identification code	Subdivision ⁽³⁾	Area subject to the activity (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 CO₂ by multiplying C by 44/12 and changing the sign for net CO₂ removals to be negative (-) and for net CO₂ emissions to be positive (+).

TABLE 5(KP-1)B.2 SUPPLEMENTARY BACKGROUND DATA ON CARBON STOCK CHANGES AND NET CO₂ 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

GEOGRAPHICAL LOCATION ⁽³⁾	ACTIVITY DATA			IMPLIED CARBON STOCK CHANGE FACTORS ⁽⁷⁾										Implied emission/removal factor per area ⁽¹⁰⁾	CHANGE IN CARBON STOCK ⁽⁷⁾								Net CO ₂ emissions/removals ⁽¹⁰⁾				
	Identification code	Subdivision ⁽⁴⁾	Area subject to the activity	Area of organic soils ⁽⁹⁾	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⁾		Net CO ₂ emissions/removals ⁽¹⁰⁾	
					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⁾
					(Mg C/ha)										(Mg CO ₂ /ha)	(Gg C)								(Gg CO ₂)			
Total for activity B.2																											
<i>[specify identification code]</i>																											
	<i>[specify subdivision]</i>																										
	<i>[specify subdivision]</i>																										
<i>[specify identification code]</i>																											
	<i>[specify subdivision]</i>																										

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 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 CO₂ by multiplying C by 44/12 and changing the sign for net CO₂ removals to be negative (-) and for net CO₂ emissions to be positive (+).

TABLE 5(KP-I)B.3 SUPPLEMENTARY BACKGROUND DATA ON CARBON STOCK CHANGES AND NET CO₂ 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⁾										IMPLIED EMISSION/REMOVAL FACTOR PER AREA ⁽¹⁰⁾	CHANGE IN CARBON STOCK ⁽⁷⁾								NET CO ₂ EMISSIONS/REMOVALS ⁽¹⁰⁾						
	Identification code	Sub-division ⁽⁴⁾	Area subject to the activity	Area of organic soils ⁽⁹⁾	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⁾		Net CO ₂ emissions/removals ⁽¹⁰⁾	
					Gains	Losses	Gains	Losses	Decrease	Net change	Mineral soils	Organic soils				Gains	Losses	Net change	Gains	Losses	Net change	Mineral soils				Organic soils ⁽⁸⁾			
					(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 CO₂ by multiplying C by 44/12 and changing the sign for net CO₂ removals to be negative (-) and for net CO₂ emissions to be positive (+).

TABLE 5(KP-1)B.4 SUPPLEMENTARY BACKGROUND DATA ON CARBON STOCK CHANGES AND NET CO₂ 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⁾									IMPLIED EMISSION/REMOVAL FACTOR PER AREA ⁽¹⁰⁾	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	
										(Mg C/ha)										(Mg CO ₂ /ha)	(Gg C)		
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 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 CO₂ by multiplying C by 44/12 and changing the sign for net CO₂ removals to be negative (-) and for net CO₂ 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 N₂O 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 ₂ O-N emissions per unit of fertilizer (kg N ₂ O-N/kg N) ⁽³⁾	N ₂ O (Gg)
A.1.1. Afforestation/Reforestation: units of land not harvested since the beginning of the commitment period ⁽⁴⁾			
<i>[specify identification code]</i>			
...			
A.1.2. Afforestation/Reforestation: units of land harvested since the beginning of the commitment period ⁽⁴⁾			
<i>[specify identification code]</i>			
...			
B.1. Forest Management (if elected) ⁽⁵⁾			
<i>[specify identification code]</i>			
...			

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⁾ N₂O 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 N₂O emissions from fertilization in the Agriculture sector. This should be explicitly indicated in the documentation box.
⁽²⁾ Direct N₂O 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 N₂O 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 N₂O emissions from fertilization with Agriculture sector estimates has been avoided.
⁽³⁾ In the calculation of the implied emission factor, N₂O emissions are converted to N₂O-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

N₂O emissions from drainage of soils ^{(1), (2)}

Country
Year
Submission

Identification code of geographical location ⁽³⁾	ACTIVITY DATA	IMPLIED EMISSION FACTOR	EMISSIONS
	Area of drained soils (kha)	N ₂ O-N per area drained (kg N ₂ O-N/ha) ⁽⁴⁾	N ₂ O (Gg)
B.1. Forest Management (if elected)			
<i>Total for organic soils</i>			
<i>Total for mineral soils</i>			
<i>[specify identification code]</i>			
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 N₂O 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⁾ N₂O emissions from drainage of soils include those resulting from Forest Management. N₂O 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, N₂O emissions are converted to N₂O-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
N₂O 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 ₂ O-N per area converted ⁽⁵⁾ (kg N ₂ O-N/ha)	N ₂ O (Gg)
A.2. Deforestation ^{(3),(6)}			
	<i>Total organic soils</i>		
	<i>Total mineral soils</i>		
	<i>[specify identification code]</i>		
	Organic soils ⁽⁷⁾		
	Mineral soils ⁽⁷⁾		
...			
B.2. Cropland Management (if elected) ^{(4),(8)}			
	<i>Total organic soils</i>		
	<i>Total mineral soils</i>		
	<i>[specify identification code]</i>		
	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⁾			
	<i>Total organic soils</i>		
	<i>Total mineral soils</i>		
	<i>[specify identification code]</i>		
	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 N₂O 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. N₂O emissions from fertilization in the preceding land use and new land use should not be reported here. Parties should avoid double counting with N₂O 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 N₂O emissions from disturbance of soils are only relevant for land conversions to Cropland. N₂O 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, N₂O emissions are converted to N₂O-N by multiplying by 28/44.
⁽⁶⁾ N₂O 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 N₂O 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	IMPLIED EMISSION FACTOR	EMISSIONS
	Total amount of lime applied (Mg/year)	Carbon emission per unit of lime (Mg C/Mg)	Carbon (Gg)
A.1.1. Afforestation/Reforestation: units of land not harvested since the beginning of the commitment period ^{(2), (8), (9)}			
<i>Total for limestone</i>			
<i>Total for dolomite</i>			
<i>[specify identification code]</i>			
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)}			
<i>Total for limestone</i>			
<i>Total for dolomite</i>			
<i>[specify identification code]</i>			
Limestone (CaCO ₃)			
Dolomite (CaMg(CO ₃) ₂)			
...			
A.2. Deforestation ^{(3), (8), (9)}			
<i>Total for limestone</i>			
<i>Total for dolomite</i>			
<i>[specify identification code]</i>			
Limestone (CaCO ₃)			
Dolomite (CaMg(CO ₃) ₂)			
...			
B.1. Forest Management (if elected) ^{(4), (8), (9)}			
<i>Total for limestone</i>			
<i>Total for dolomite</i>			
<i>[specify identification code]</i>			
Limestone (CaCO ₃)			
Dolomite (CaMg(CO ₃) ₂)			
...			
B.2. Cropland Management (if elected) ^{(5), (8), (9)}			
<i>Total for limestone</i>			
<i>Total for dolomite</i>			
<i>[specify identification code]</i>			
Limestone (CaCO ₃)			
Dolomite (CaMg(CO ₃) ₂)			
...			
B.3. Grazing Land Management (if elected) ^{(6), (8), (9)}			
<i>Total for limestone</i>			
<i>Total for dolomite</i>			
<i>[specify identification code]</i>			
Limestone (CaCO ₃)			
Dolomite (CaMg(CO ₃) ₂)			
...			
B.4. Revegetation (if elected) ^{(7), (8), (9)}			
<i>Total for limestone</i>			
<i>Total for dolomite</i>			
<i>[specify identification code]</i>			
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 locations refers to the boundaries of the areas that encompass units of land subject to Afforestation and Reforestation
(3) Geographical locations refers to the boundaries of the areas that encompass units of land subject to Deforestation.
(4) Geographical locations refers to the boundaries of the areas that encompass land subject to Forest Management, if elected.
(5) Geographical locations refers to the boundaries of the areas that encompass land subject to Cropland Management, if elected.
(6) Geographical locations refers to the boundaries of the areas that encompass land subject to Grazing Land Management, if elected.
(7) Geographical locations 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 ₂ O	CO ₂ ⁽⁸⁾	CH ₄ ⁽⁸⁾	N ₂ O
	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									
<i>[specify identification code]</i>									
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									
<i>[specify identification code]</i>									
Controlled burning									
Wildfires									
...									
A.2. Deforestation^{(2), (9)}									
Total for controlled burning									
Total for wildfires									
<i>[specify identification code]</i>									
Controlled burning									
Wildfires									
...									
B.1. Forest Management (if elected)^{(3), (9)}									
Total for controlled burning									
Total for wildfires									
<i>[specify identification code]</i>									
Controlled burning									
Wildfires									
...									
B.2. Cropland Management (if elected)^{(4), (9), (10)}									
Total for controlled burning									
Total for wildfires									
<i>[specify identification code]</i>									
Controlled burning									
Wildfires									
...									
B.3. Grazing Land Management (if elected)^{(5), (9), (11)}									
Total for controlled burning									
Total for wildfires									
<i>[specify identification code]</i>									
Controlled burning									
Wildfires									
...									
B.4. Revegetation (if elected)^{(6), (9)}									
Total for controlled burning									
Total for wildfires									
<i>[specify identification code]</i>									
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 locations 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 CO₂ 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 CH₄. 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 CO₂ 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.

Projet de décision -/CMP.1

**[Guide des bonnes pratiques pour le secteur de l'utilisation des terres,
du changement d'affectation des terres et de la foresterie au titre
des paragraphes 3 et 4 de l'article 3 du Protocole de Kyoto]**

La Conférence des Parties, agissant comme réunion des Parties au Protocole de Kyoto,

Rappelant, en particulier, les paragraphes 3 et 4 de l'article 3, le paragraphe 2 de l'article 5 et le paragraphe 1 de l'article 7 du Protocole de Kyoto,

Rappelant également ses décisions 11/CP.7, 19/CP.7, 21/CP.7, 22/CP.7 et 13/CP.9,

Réaffirmant que les émissions anthropiques par les sources et l'absorption par les puits des gaz à effet de serre qui ne sont pas réglementés par le Protocole de Montréal devraient faire l'objet de notifications transparentes, cohérentes, comparables, exhaustives et exactes,

Ayant examiné les recommandations pertinentes de l'Organe subsidiaire de conseil scientifique et technologique,

[1. *Décide* que les Parties visées à l'annexe I de la Convention qui ont ratifié le Protocole de Kyoto devront utiliser le Guide des bonnes pratiques pour le secteur de l'utilisation des terres, du changement d'affectation des terres et de la foresterie, tel qu'il a été établi par le Groupe d'experts intergouvernemental sur l'évolution du climat, aux fins de l'établissement des inventaires de gaz à effet de serre pour le secteur de l'utilisation des terres, du changement d'affectation des terres et de la foresterie en application des paragraphes 3 et 4 du Protocole de Kyoto, conformément à la décision 11/CP.7;]

2. *Décide* d'utiliser, pour la communication d'informations complétant celles sur l'inventaire annuel national des gaz à effet de serre dans la première période d'engagement, en plus des éléments précisés aux paragraphes 5 à 9 de l'annexe au projet de décision -/CMP.1 (*Article 7*), joint à la décision 22/CP.7, les informations supplémentaires à inclure dans une annexe au rapport national d'inventaire, contenue dans l'annexe I à la présente décision,

ainsi que les tableaux du cadre uniformisé de présentation¹ pour les activités visées aux paragraphes 3 et 4 du Protocole de Kyoto, contenues dans l'annexe II à la présente décision;

3. *Prie* le secrétariat de mettre au point un logiciel de notification pour les tableaux visés au paragraphe 2 ci-dessus.

ANNEXES

[À établir conformément à la décision -/CP.10, par. 5.]

¹ Le cadre uniformisé de présentation est un schéma normalisé que les Parties visées à l'annexe I doivent utiliser pour la notification électronique des estimations des émissions et des absorptions de gaz à effet de serre et de toutes autres informations pertinentes. Pour des raisons techniques, dans le présent document, la version imprimée des tableaux du cadre uniformisé de présentation concernant le secteur de l'utilisation des terres, du changement d'affectation des terres et de la foresterie (taille des tableaux et polices, par exemple) n'a pu être normalisée.