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الاتفاقية الإطارية بشأن تغير المناخ



الهيئة الفرعية للمشورة العلمية والتكنولوجية

الدورة الحادية والعشرون

بوينس آيرس، ٦-١٤ كانون الأول/ديسمبر ٢٠٠٤

البند ٥ (أ) من جدول الأعمال

القضايا المنهجية

إرشادات الممارسات الجيدة فيما يتعلق بأنشطة استخدام الأراضي وتغيير استخدام الأراضي والحراجة، وفقا لبروتوكول كيوتو، ومنتجات الخشب المقطوع، وغير ذلك من القضايا المتصلة باستخدام الأراضي وتغيير استخدام الأراضي والحراجة

إرشادات الممارسات الجيدة وغير ذلك من القضايا المتصلة باستخدام

الأراضي وتغيير استخدام الأراضي والحراجة

مشروع استنتاجات اقترحه الرئيس

إضافة

توصية الهيئة الفرعية للمشورة العلمية والتكنولوجية

قررت الهيئة الفرعية للمشورة العلمية والتكنولوجية، في دورتها الحادية والعشرين، أن توصي مؤتمر الأطراف باعتماد مشروع المقرر التالي في دورته العاشرة:

مشروع المقرر -/م أ-١٠

إرشادات الممارسات الجيدة فيما يتعلق بأنشطة استخدام الأراضي وتغيير استخدام الأراضي

والحراجة في إطار الفقرتين ٣ و ٤ من المادة ٣ من بروتوكول كيوتو

إن مؤتمر الأطراف،

إذ يشير إلى المقررات ١١/م أ-٧، و ١٩/م أ-٧، و ٢١/م أ-٧، و ٢٢/م أ-٧، و ١٣/م أ-٩،

- ١- يوصي بأن يعتمد مؤتمر الأطراف العامل بوصفه اجتماع الأطراف في بروتوكول كيوتو مشروع المقرر -/م أ-١ (إرشادات الممارسات الجيدة فيما يتعلق بأنشطة استخدام الأراضي وتغيير استخدام الأراضي والحراجة بموجب الفقرتين ٣ و٤ من المادة ٣ من بروتوكول كيوتو) الوارد أدناه؛
- ٢- يشجع الأطراف المدرجة في المرفق الأول بالاتفاقية والتي لم تصدق على بروتوكول كيوتو على أن تقدم، على أساس طوعي، مع تقاريرها المستحقة في ١٥ نيسان/أبريل ٢٠٠٧: تقديرات لانبعاثات غازات الدفيئة، بحسب مصادرها وعمليات إزالتها بواسطة المصارف، الناشئة عن الأنشطة المنفذة في إطار الفقرتين ٣ و٤ من المادة ٣ من بروتوكول كيوتو، باستخدام جداول نموذج الإبلاغ الموحد^(١) الواردة في المرفق الثاني بهذا المقرر، ومعلومات تكميلية تدرج في مرفق بتقرير الجرد الوطني وفقا للإرشادات الواردة في المرفق الأول بهذا المقرر؛
- ٣- يدعو الأطراف إلى موافاة الأمانة في موعد أقصاه ٣٠ حزيران/يونيه ٢٠٠٧ بآرائها حول جداول نموذج الإبلاغ الموحد المشار إليها في الفقرة ٢ أعلاه وبيانات عن تجاربها فيما يتعلق باستخدام هذه الجداول؛
- ٤- يطلب من الأمانة أن تقوم بتوليف آراء الأطراف المقدمة وفقا للفقرة ٣ أعلاه لكي تنظر فيها الهيئة الفرعية للمشورة العلمية والتكنولوجية في دورتها السابعة والعشرين (تشرين الثاني/نوفمبر ٢٠٠٧)؛
- ٥- يطلب من الهيئة الفرعية للمشورة العلمية والتكنولوجية القيام، بعد النظر في الخبرات المكتسبة في استخدام الجداول المشار إليها في الفقرة ٢ أعلاه، بتحديث هذه الجداول وإعداد مشروع مقرر كي يعتمده مؤتمر الأطراف العامل بوصفه اجتماع الأطراف في بروتوكول كيوتو لإدماج الجداول المحدثة في مرفق بالمقرر المشار إليه في الفقرة ١ أعلاه؛
- ٦- يطلب من الأمانة القيام، رهنا بتوافر التمويل التكميلي، بوضع نموذج مؤقت للجداول المشار إليها في الفقرة ٢ أعلاه من أجل تيسير تقديمها.

(١) نموذج الإبلاغ الموحد هو صيغة موحدة تستخدمها الأطراف لأغراض الإبلاغ الإلكتروني عن تقديرات انبعاثات غازات الدفيئة وعمليات إزالتها وعن أية معلومات أخرى ذات صلة. ولأسباب تقنية (مثل حجم الجداول وخط الطباعة، لا يمكن في هذه الوثيقة توحيد تصميم النسخة المطبوعة من جداول نموذج الإبلاغ الموحد فيما يتعلق باستخدام الأراضي وتغيير استخدام الأراضي والحراجة.

المرفق الأول

إرشادات بشأن إبلاغ المعلومات الإضافية المتعلقة بأنشطة استخدام الأراضي وتغيير استخدام الأراضي والحراجة المضطلع بها في إطار الفقرتين ٣ و ٤ من المادة ٣ لإدراجها في مرفق بالتقرير الوطني لقوائم الجرد

١- يقدم هذا المرفق إرشادات بشأن إبلاغ المعلومات الإضافية المتعلقة بأنشطة استخدام الأراضي وتغيير استخدام الأراضي والحراجة المضطلع بها في إطار الفقرتين ٣ و ٤ من المادة ٣ لإدراجها في التقرير الوطني لقوائم الجرد^(١). وتقدم هذه الإرشادات لمساعدة الأطراف على الوفاء باشتراطات المقرر ٢٢/م أ-٧، وهي تستند، عند الاقتضاء، إلى إرشادات الممارسات الجيدة بشأن استخدام الأراضي وتغيير استخدام الأراضي والحراجة التي وضعها الفريق الحكومي الدولي المعني بتغيير المناخ (إرشادات الفريق الحكومي الدولي بشأن الممارسات الجيدة لاستخدام الأراضي وتغيير استخدام الأراضي والحراجة). ويمكن إدراج المعلومات الإضافية في التقرير الوطني لقوائم الجرد، تبعاً للنهج الوطني الذي يتبعه كل طرف في تقدير انبعاثات غازات الدفيئة وعمليات إزالتها، وهي الانبعاثات الناجمة عن أنشطة استخدام الأراضي وتغيير استخدام الأراضي والحراجة في إطار بروتوكول كيوتو.

٢- وتمشيا مع الإرشادات المبينة أدناه، ينبغي للأطراف أن تبلغ ما يلي:

- (أ) معلومات عامة
- (ب) معلومات متصلة بالأراضي
- (ج) معلومات عن كل نشاط من الأنشطة
- (د) معلومات أخرى
- (هـ) معلومات متصلة بالمادة ٦.

٣- وينبغي إبلاغ المعلومات المتصلة بالأنشطة عن كل نشاط يضطلع به في إطار الفقرة ٣ من المادة ٣ وعن كل نشاط يتم اختياره في إطار الفقرة ٤ من المادة ٣. ولما كانت أنشطة التحريج وإعادة التحريج خاضعة لنفس الأحكام المبينة في مرفق مشروع المقرر - /م أ-١ (استخدام الأراضي وتغيير استخدام الأراضي والحراجة)، الملحق بالمقرر ١١/م أ-٧، فإنه يمكن إبلاغ هذه الأنشطة معاً.

١- معلومات عامة

- ١-١ تعريف الحرج (كما ورد في الجدول ١-١ من التقرير الوطني لقوائم الجرد) وأية معايير أخرى (مثل العرض الأدنى)
- ٢-١ الأنشطة المختارة في إطار الفقرة ٤ من المادة ٣ (كما في الجدول ١ من التقرير الوطني لقوائم الجرد)
- ٣-١ وصف كيفية تنفيذ وتطبيق تعاريف كل نشاط من الأنشطة المضطلع بها في إطار الفقرة ٣ من المادة ٣ وكل نشاط يتم اختياره في إطار الفقرة ٤ من المادة ٣

(١) يقدم التقرير الوطني لقوائم الجرد وفقاً للمقرر ١٨/م أ-٨، بصيغته المعدلة بالمقرر ١٣/م أ-٩.

٤-١ وصف شروط الأسبقية و/أو الترتيب الهرمي للأنشطة المضطلع بها في إطار الفقرة ٤ من المادة ٣، وكيفية تطبيقها بصورة متسقة في تحديد كيفية تصنيف الأراضي.

٢- معلومات متصلة بالأراضي

- ١-٢ وحدة التقدير المساحي المستخدمة في تحديد مساحة وحدات الأراضي بموجب الفقرة ٣ من المادة ٣ (وفقا للفقرة ٣ من مرفق مشروع المقرر -/م أ-١) (استخدام الأراضي وتغيير استخدام الأراضي والحراثة)، الملحق بالمقرر ١١/م أ-٧)
- ٢-٢ المنهجية المستخدمة في وضع مصفوفة تحويل الأراضي في الجدول ٢ من التقرير الوطني لقوائم الجرد
- ٣-٢ خرائط و/أو قاعدة بيانات لتحديد المواقع الجغرافية، ونظام رموز تحديد المواقع الجغرافية، وجميعها معلومات يمكن تقديمها إلكترونيا.

٣- معلومات خاصة بكل نشاط

٣-١ طرائق تقدير التغير في مخزونات الكربون وانبعاثات غازات الدفيئة وعمليات إزالتها

- ٣-١-١ وصف المنهجيات والافتراضات الأساسية المستخدمة
- ٣-١-٢ تقديم مبررات عند إغفال أي انبعاثات/عمليات إزالة لمجمعات الكربون أو غازات الدفيئة الناجمة عن الأنشطة المضطلع بها في إطار الفقرة ٣ من المادة ٣ والأنشطة المختارة في إطار الفقرة ٤ من المادة ٣ (ينبغي أن يكون الجدول ١ من التقرير الوطني لقوائم الجرد مشفوعا بهذه المعلومات في جميع الحالات التي يقدم فيها تقرير وطني)
- ٣-١-٣ معلومات عما إذا كانت قد أخذت في الحسبان أم لا أية انبعاثات غير مباشرة وطبيعية لغازات الدفيئة وعمليات إزالتها
- ٣-١-٤ التغيرات في البيانات والطرائق منذ تقديم العرض السابق (عمليات إعادة الحساب) (انظر، في جملة أمور، الفرع ٤-٢-٤-١ من إرشادات الفريق الحكومي الدولي بشأن الممارسات الجيدة لاستخدام الأراضي وتغيير استخدام الأراضي والحراثة)
- ٣-١-٥ تقديرات عدم اليقين (انظر، في جملة أمور، الفرع ٥-٢ من إرشادات الفريق الحكومي الدولي بشأن الممارسات الجيدة لاستخدام الأراضي وتغيير استخدام الأراضي والحراثة)
- ٣-١-٦ معلومات عن القضايا المنهجية الأخرى (مثل الفترات التي تتخلل عمليات القياس، والتغيرات بين السنوات) (انظر، في جملة أمور، الفرع ٤-٢-٣ من إرشادات الفريق الحكومي الدولي بشأن الممارسات الجيدة لاستخدام الأراضي وتغيير استخدام الأراضي والحراثة)
- ٣-١-٧ لأغراض الحساب المطلوب في الفقرة ١٨ من مرفق مشروع المقرر -/م أ-١) (استخدام الأراضي وتغيير استخدام الأراضي والحراثة) الملحق بالمقرر ١١/م أ-٧، يشار إلى سنة بدء النشاط إذا كان ذلك بعد سنة ٢٠٠٨.

- ٢-٣ الفقرة ٣ من المادة ٣
- ١-٢-٣ معلومات تبين أن الأنشطة المضطلع بها في إطار الفقرة ٣ من المادة ٣ بدأت بتاريخ ١ كانون الثاني/يناير ١٩٩٠ أو بعده، وقبل ٣١ كانون الأول/ديسمبر ٢٠١٢، وأنها ذات منشأ بشري مباشر
- ٢-٢-٣ معلومات عن كيفية التمييز بين إزالة الأحراج وأنشطة الحصاد أو الأنشطة المخلة بالأحراج التي تعقبها إعادة زراعة الأحراج
- ٣-٢-٣ معلومات عن المساحة والموقع الجغرافي للمناطق الحرجية التي فقدت غطاءها الحرجي ولكنها لم تصنف بعد على أنها مناطق أزيلت منها الأحراج.

٣-٣- الفقرة ٤ من المادة ٣

- ١-٣-٣ معلومات تبين أن الأنشطة المضطلع بها بموجب الفقرة ٤ من المادة ٣ حدثت منذ ١ كانون الثاني/يناير ١٩٩٠ وأنها بشرية المنشأ
- ٢-٣-٣ معلومات عن إدارة الأراضي الزراعية وإدارة المراعي وتجديد الغطاء النباتي، إذا اختبرت هذه الأنشطة لسنة الأساس
- ٣-٣-٣ معلومات عن إدارة الأحراج:
- (أ) أن يكون تعريف الحرج لأغراض هذه الفئة مطابقاً للتعريف الوارد في البند ١-١ أعلاه
- (ب) أن تكون إدارة الأحراج عبارة عن نظام من ممارسات الإشراف على أراضي الأحراج واستخدامها بهدف أداء الوظائف الإيكولوجية (بما في ذلك التنوع البيولوجي) والاقتصادية والاجتماعية ذات الصلة للأحراج بطريقة مستدامة (الفقرة ١(و) من مرفق مشروع المقرر -/م أ-١ (استخدام الأراضي وتغيير استخدام الأراضي والحراجة)، الملحق بالمقرر ١١/م أ-٧).

٤- معلومات أخرى

- ١-٤ تحليل الفئات الرئيسية للأنشطة المضطلع بها في إطار الفقرة ٣ من المادة ٣ وأية أنشطة يتم اختيارها في إطار الفقرة ٤ من المادة ٣ (كما ورد، في جملة أمور، في الجدول ٣ من التقرير الوطني لقوائم الجرد، الفرع ٥-٤ من إرشادات الفريق الحكومي الدولي بشأن الممارسات الجيدة لاستخدام الأراضي وتغيير استخدام الأراضي والحراجة).

٥- معلومات متصلة بالمادة ٦

- ١-٥ ينبغي أن يتضمن رمز التحديد الوارد في الجداول ذات الصلة لنموذج الإبلاغ الموحد للأنشطة المضطلع بها في إطار الفقرتين ٣ و ٤ من المادة ٣ من بروتوكول كيوتو، وهي الجداول الواردة في المرفق الثاني بالمقرر -/م أ-١ (إرشادات الفريق الحكومي الدولي بشأن الممارسات الجيدة لاستخدام الأراضي وتغيير استخدام الأراضي والحراجة) إشارة محددة لبيان ما إذا كانت حدود الموقع الجغرافي تشمل الأراضي الخاضعة لمشروع بموجب المادة ٦ من بروتوكول كيوتو.

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	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)}

TO... FROM...		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⁾					
<i>For example: Cropland Management</i>	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 ₂ O ⁽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 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⁾	Net carbon stock change in dead wood ⁽⁵⁾
	Gains	Losses	Net change	Gains	Losses	Net change	Gains	Losses					Net change	Gains	Losses	Net change	Gains	Losses			
	Identification code	Subdivision ⁽⁴⁾	Area subject to the activity (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 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.1.2. 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: 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⁾							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 (kha)	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		Increase	Decrease	Net change			
				(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.

⁽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 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 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⁾
	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)
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 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 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 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 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					Net change
									(Mg C/ha)										(Mg CO ₂ /ha)	(Gg C)			
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-DB.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⁾		
					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																										
[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 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.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⁾					
				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⁾				
	Gains	Losses	Net change	Gains	Losses	Decrease	Net change	Mineral soils	Organic soils			Gains		Losses	Net change	Gains	Losses	Net change	Gains				Losses	Net change	Mineral soils	Organic soils ⁽⁸⁾	
Identification code	Subdivision ⁽⁴⁾	Area subject to the activity	Area of organic soils ⁽⁹⁾	(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⁾						
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⁾			
				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 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

	ACTIVITY DATA	IMPLIED EMISSION FACTOR	EMISSIONS
Identification code of geographical location	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 relevant only 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 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 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)}									
<i>Total for controlled burning</i>									
<i>Total for wildfires</i>									
<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)}									
<i>Total for controlled burning</i>									
<i>Total for wildfires</i>									
<i>[specify identification code]</i>									
Controlled burning									
Wildfires									
...									
A.2. Deforestation^{(2), (9)}									
<i>Total for controlled burning</i>									
<i>Total for wildfires</i>									
<i>[specify identification code]</i>									
Controlled burning									
Wildfires									
...									
B.1. Forest Management (if elected)^{(3), (9)}									
<i>Total for controlled burning</i>									
<i>Total for wildfires</i>									
<i>[specify identification code]</i>									
Controlled burning									
Wildfires									
...									
B.2. Cropland Management (if elected)^{(4), (9), (10)}									
<i>Total for controlled burning</i>									
<i>Total for wildfires</i>									
<i>[specify identification code]</i>									
Controlled burning									
Wildfires									
...									
B.3. Grazing Land Management (if elected)^{(5), (9), (11)}									
<i>Total for controlled burning</i>									
<i>Total for wildfires</i>									
<i>[specify identification code]</i>									
Controlled burning									
Wildfires									
...									
B.4. Revegetation (if elected)^{(6), (9)}									
<i>Total for controlled burning</i>									
<i>Total for wildfires</i>									
<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 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 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.

مشروع المقرر -/م أ- ١

إرشادات الممارسات الجيدة فيما يتعلق بأنشطة استخدام الأراضي وتغيير استخدام الأراضي والحراجة
المضطلع بها بموجب الفقرتين ٣ و ٤ من المادة ٣ من بروتوكول كيوتو

إن مؤتمر الأطراف العامل بوصفه اجتماع الأطراف في بروتوكول كيوتو،

إذ يشير، بوجه خاص، إلى الفقرتين ٣ و ٤ من المادة ٣، وإلى الفقرة ٢ من المادة ٥، وإلى الفقرة ١ من المادة ٧
من بروتوكول كيوتو،

وإذ يشير أيضاً إلى المقررات ١١/م أ- ٧ و ١٩/م أ- ٧ و ٢١/م أ- ٧ و ٢٢/م أ- ٧ و ١٣/م أ- ٩،

وإذ يؤكد من جديد أن انبعاثات غازات الدفيئة البشرية المنشأ بحسب مصادرها وعمليات إزالتها بواسطة
المصارف، غير المشمولة ببروتوكول مونتريال، ينبغي الإبلاغ عنها بطريقة شفافة ومتسقة وقابلة للمقارنة وكاملة ودقيقة،

وقد نظر في التوصيات ذات الصلة للهيئة الفرعية للمشورة العلمية والتكنولوجية،

١- يقرر، لفترة الالتزام الأولى، أن تقوم الأطراف المدرجة في المرفق الأول للاتفاقية التي صدقت على
بروتوكول كيوتو بتطبيق إرشادات الممارسات الجيدة لاستخدام الأراضي وتغيير استخدام الأراضي والحراجة، التي وضعها
الفريق الحكومي الدولي المعنى بتغير المناخ، على أن يكون ذلك التطبيق بطريقة منسجمة مع بروتوكول كيوتو، ومشروع
المقرر -/م أ- ١ (استخدام الأراضي وتغيير استخدام الأراضي والحراجة)، ومرفق مشروع المقرر هذا^(١)، وذلك لغرض
تقديم معلومات عن انبعاثات غازات الدفيئة البشرية المنشأ بحسب مصادرها وعمليات إزالتها بواسطة المصارف من أنشطة
استخدام الأراضي وتغيير استخدام الأراضي والحراجة المضطلع بها بموجب الفقرة ٣ من المادة ٣، ومن الأنشطة المختارة،
إن وجدت، والمضطلع بها بموجب الفقرة ٤ من المادة ٣، ووفقاً للفقرة ٢ من المادة ٥ من بروتوكول كيوتو؛

٢- يقرر أن يستخدم، لأغراض الإبلاغ المعلومات المكتملة لمعلومات قوائم الجرد السنوية لغازات الدفيئة في
فترة الالتزام الأولى، وبالإضافة إلى العناصر المحددة في الفقرات ٥-٩ من مرفق مشروع المقرر -/م أ- ١ (المادة ٧)،
الملحق بالمقرر ٢٢/م أ- ٧، معلومات إضافية تدرج في مرفق بالتقرير الوطني لقوائم الجرد، وهي المعلومات الواردة في
المرفق الأول لهذا المقرر، فضلاً عن جداول نموذج الإبلاغ الموحد^(٢) عن الأنشطة المضطلع بها بموجب الفقرتين ٣ و ٤ من
المادة ٣ من بروتوكول كيوتو، وهي الجداول الواردة في المرفق الثاني لهذا المقرر؛

٣- يطلب إلى الأمانة أن تستحدث برنامج حاسوب لإبلاغ الجداول المشار إليها في الفقرة ٢ أعلاه.

(١) يلاحظ أن طرق الإبلاغ الواردة في الفصل ٤ من "إرشادات الممارسات الجيدة فيما يتعلق بأنشطة استخدام الأراضي
وتغيير استخدام الأراضي والحراجة"، التي وضعها الفريق الحكومي الدولي المعنى بتغير المناخ، ينبغي لها أن تضمن إمكانية تحديد مساحات
الأراضي التي تخضع لأنشطة استخدام الأراضي وتغيير استخدام الأراضي والحراجة المضطلع بها بموجب الفقرتين ٣ و ٤ من المادة ٣.

(٢) نموذج الإبلاغ الموحد هو صيغة موحدة تستخدمها الأطراف في الإبلاغ الإلكتروني لتقديرات انبعاثات غازات
الدفيئة وعمليات إزالتها وأية معلومات أخرى ذات صلة. ولأسباب فنية، لا يمكن في هذه الوثيقة توحيد شكل الصيغة المطبوعة لجداول
نموذج الإبلاغ الموحد لأنشطة استخدام الأراضي وتغيير استخدام الأراضي والحراجة (حجم الجداول وأشكال الأحرف، مثلاً).

المرفقات

[توضع وفقا للفقرة ٥ من المقرر -/م أ- ١٠]
