



联合国



气候变化框架公约

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附属科学技术咨询机构
第二十八届会议
2008年6月4日至13日，波恩

议程项目 8(c)
《京都议定书》之下的方法学问题
《京都议定书》第三条第3款和第4款之下的
土地利用、土地利用的变化和林业活动的良好
做法指导意见

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

主席提出的结论草案

1. 附属科学技术咨询机构(科技咨询机构)结束了对第二十七届会议的报告附件一中所载信息的审议。¹
2. 科技咨询机构请秘书处将本结论附件所载的公式纳入正在根据第 6/CMP.3 号决定拟定的通用报告格式的报告模式，该决定涉及题为“《京都议定书》第三条第3款和第4款之下活动核算的说明表”的表格，从而便利《公约》附件一所列缔约方根据《京都议定书》第三条第3款和第4款提交报告。
3. 科技咨询机构指出，秘书处在执行国际交易日志时应当确保在对国际交易日志的运作开展的必要检查中充分考虑第 16/CMP.1 号决定。

¹ FCCC/SBSTA/2007/16.

Annex

[ENGLISH ONLY]

**Calculation of accounting quantities for activities under Article 3,
paragraphs 3 and 4**

Table 1 shows in a tabular format the calculation of the accounting quantity for each of the activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol, for the first commitment period. Symbols and formulae used in the table are explained on the following pages.

Table. Calculation of accounting quantities for activities under Article 3, paragraphs 3 and 4

INFORMATION TABLE ON ACCOUNTING FOR ACTIVITIES UNDER ARTICLE 3, PARAGRAPHS 3 AND 4, OF THE KYOTO PROTOCOL

Country _____
 Inventory Year _____
 Submission _____
 n _____

Commitment period accounting
 Annual accounting

Number of the reported year in the commitment period: _____

| GREENHOUSE GAS SOURCE AND SINK ACTIVITIES | BY ⁽⁵⁾ | Net emissions/removals ⁽¹⁾ | | | | | Accounting Parameters ⁽⁷⁾ | Accounting Quantity ⁽⁸⁾ | |
|--|-------------------|---------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------------------|------------------------------------|-------------------------------|
| | | 2008 | 2009 | 2010 | 2011 | 2012 | | | Total ⁽⁶⁾ |
| | | (Gg CO ₂ equivalent) | | | | | | | |
| A. Article 3.3 activities | | | | | | | | | |
| A.1. Afforestation and Reforestation | | | | | | | | AQAR_T | |
| A.1.1. Units of land not harvested since the beginning of the commitment period ⁽²⁾ | | AR ^{nh} _t | AR ^{nh} _t | AR ^{nh} _t | AR ^{nh} _t | AR ^{nh} _t | AR ^{nh} _T | AQAR ^{nh} _T | |
| A.1.2. Units of land harvested since the beginning of the commitment period ⁽²⁾ | | | | | | | | AQAR ^h _T | |
| <i>[specify identification code]</i> | | AR ^{h1} _t | AR ^{h1} _t | AR ^{h1} _t | AR ^{h1} _t | AR ^{h1} _t | AR ^{h1} _T | AQAR ^{h1} _T | |
| | | AR ^{h2} _t | AR ^{h2} _t | AR ^{h2} _t | AR ^{h2} _t | AR ^{h2} _t | AR ^{h2} _T | AQAR ^{h2} _T | |
| | | AR ^{h3} _t | AR ^{h3} _t | AR ^{h3} _t | AR ^{h3} _t | AR ^{h3} _t | AR ^{h3} _T | AQAR ^{h3} _T | |
| A.2. Deforestation | | D _t | D _t | D _t | D _t | D _t | D _T | AQD_T | |
| B. Article 3.4 activities | | | | | | | | | |
| B.1. Forest Management (if elected) | | FM _t | FM _t | FM _t | FM _t | FM _t | FM _T | AQ _{FM} | |
| 3.3 offset ⁽³⁾ | | | | | | | OFF _{ARD} | AQ _{OFF} | |
| FM cap ⁽⁴⁾ | | | | | | | CAP | AQ _{CAP} | |
| B.2. Cropland Management (if elected) | CM _{BY} | CM _t | CM _t | CM _t | CM _t | CM _t | CM _T | CM _{net} | AQ _{CM_T} |
| B.3. Grazing Land Management (if elected) | GLM _{BY} | GLM _t | GLM _t | GLM _t | GLM _t | GLM _t | GLM _T | GLM _{net} | AQ _{GLM_T} |
| B.4. Revegetation (if elected) | RV _{BY} | RV _t | RV _t | RV _t | RV _t | RV _t | RV _T | RV _{net} | AQ _{RV_T} |

(1) All values are reported in table 5(KP) of the CRF for the relevant inventory year as reported in the current submission and are automatically entered in this table.
 (2) In accordance with paragraph 4 of the annex to decision 16/CMP.1, debits resulting from harvesting during the first commitment period following Afforestation and Reforestation since 1990 shall not be greater than credits accounted for on that unit of land.
 (3) In accordance with paragraph 10 of the annex to decision 16/CMP.1, for the first commitment period, a Party included in Annex I that incurs a net source of emissions under the provisions of Article 3.3 may account for anthropogenic greenhouse gas emissions by sources and removals by sinks in areas under Forest Management under Article 3.4, up to a level that is equal to the net source of emissions under the provisions of Article 3.3, but not greater than 9.0 megatonnes of carbon times five, if the total anthropogenic greenhouse gas emissions by sources and removals by sinks in the managed forest since 1990 is equal to, or larger than, the net source of emissions incurred under Article 3.3.
 (4) In accordance with paragraph 11 of the annex to decision 16/CMP.1, for the first commitment period only, additions to and subtractions from the assigned amount of a Party resulting from Forest Management under Article 3.4, after the application of paragraph 10 of the annex to decision 16/CMP.1 and resulting from Forest Management project activities undertaken under Article 6, shall not exceed the value inscribed in the appendix of the annex to decision 16/CMP.1, times five.
 (5) Net emissions and removals in the Party's base year, as established by decision 9/CP.2.
 (6) Cumulative net emissions and removals for all years of the commitment period reported in the current submission.
 (7) The values in the cells "3.3 offset" and "FM cap" are absolute values.
 (8) The accounting quantity is the total quantity of units to be added to or subtracted from a Party's assigned amount for a particular activity in accordance with the provisions of Article 7.4 of the Kyoto Protocol.

Key to symbols used in table

AR_t^{nh} = net emissions and removals for category A.1.1 for commitment period year t, in Gg CO₂ eq

AR_t^{hx} = net emissions and removals for a particular land unit (x) in category A.1.2 for commitment period year t, in Gg CO₂ eq

D_t = net emissions and removals for category A.2 for commitment period year t, in Gg CO₂ eq

CAP = value inscribed for Party in annex to decision 16/CMP.1, converted to Gg CO₂ eq and multiplied by five.

FM_t = net emissions and removals for category B.1 for commitment period year t, in Gg CO₂ eq

CM_{BY} = net emissions and removals for category B.2 for the Party's base year, in Gg CO₂ eq

CM_t = net emissions and removals for category B.2 for commitment period year t in Gg CO₂ eq

GLM_{BY} = net emissions and removals for category B.3 for the Party's base year, in Gg CO₂ eq

GLM_t = net emissions and removals for category B.3 for commitment period year t in Gg CO₂ eq

RV_{BY} = net emissions and removals for category B.4 for the Party's base year, in Gg CO₂ eq

RV_t = net emissions and removals for category B.4 for commitment period year t in Gg CO₂ eq

Afforestation and Reforestation

AR_t^{nh} = net emissions and removals for category A.1.1 for commitment period year t, in Gg CO₂ eq

$$AR_T^{nh} = \sum_{t=2008}^N (AR_t^{nh}),$$

where N is the most recently reported year of the commitment period

$$AQAR_T^{nh} = AR_T^{nh}$$

AR_t^{hx} = net emissions and removals for a particular land unit in category A.1.2 for commitment period year t, in Gg CO₂ eq

$$AR_T^{hx} = \sum_{t=2008}^N (AR_t^{hx}) \text{ for a particular land unit (x),}$$

where N is the most recently reported year of the commitment period

$AQAR_T^{hx}$: If $AR_T^{hx} \geq 0$, then $AQAR_T^{hx} = 0$, else $AQAR_T^{hx} = AR_T^{hx}$

$$AQAR_T^h = \sum_{x=1}^U AQAR_T^{hx},$$

where U is the last unit of land harvested

$$AQAR_T = AQAR_T^{nh} + AQAR_T^h$$

Deforestation

D_t = net emissions and removals for category A.2 for commitment period year t, in Gg CO₂ eq

$D_T = \sum_{t=2008}^N (D_t)$, where N is the most recently reported year of the commitment period

$AQD_T = D_T$

Forest Management

CAP = value inscribed for Party in annex to decision 16/CMP.1, converted to Gg CO₂ eq and multiplied by 5.

$AQAR_T$ = total accounting quantity for afforestation and reforestation.

AQD_T = total accounting quantity for deforestation.

OFF_{ARD} :

IF $(AQAR_T + AQD_T) \leq 0$, then $OFF_{ARD} = 0$; else

IF $(AQAR_T + AQD_T) < 165,000$, then $OFF_{ARD} = (AQAR_T + AQD_T)$;

else $OFF_{ARD} = 165,000$

FM_t = net emissions and removals for category B.1 for commitment period year t, in Gg CO₂ eq

$FM_T = \sum_{t=2008}^N (FM_t)$, where N is the most recently reported year of the commitment period

AQ_{OFF} :

If the total anthropogenic greenhouse gas emissions by sources and removals by sinks in the managed forest since 1990¹ is equal to, or larger than, the net source of emissions incurred under Article 3, paragraph 3,²

then if $(OFF_{ARD} = 0$ or $FM_T \geq 0)$, then $AQ_{OFF} = 0$;

else if $|FM_T| < OFF_{ARD}$ then $AQ_{OFF} = FM_T$;

else $AQ_{OFF} = -OFF_{ARD}$

else $AQ_{OFF} = 0$

AQ_{CAP} :

If $|FM_T - AQ_{OFF}| \leq CAP$, then $AQ_{CAP} = FM_T - AQ_{OFF}$,

else if $FM_T - AQ_{OFF} < 0$, then $AQ_{CAP} = -CAP$; else $AQ_{CAP} = CAP$

$AQ_{FM} = AQ_{CAP} + AQ_{OFF}$

¹ Without prejudice to paragraph 10 of the annex to decision 16/CMP.1 this test is valid only when using the absolute value of the total anthropogenic greenhouse gas emissions by sources and removals by sinks.

² The Party should provide information in the NIR on whether this condition has been met.

Cropland Management

CM_{BY} = net emissions and removals for category B.2 for the Party's base year, in
Gg CO₂ eq

CM_t = net emissions and removals for category B.2 for commitment period year t in
Gg CO₂ eq

$CM_T = \sum_{t=2008}^N (CM_t)$, where N is the most recently reported year of the commitment
period

CP_N = number of years reported since the beginning of the commitment period,
 $CP_N = N - 2007$, where N is the most recently reported year of the commitment period.

$CM_{net} = CM_{BY} * CP_N$

$AQCM_T = CM_T - CM_{net}$

Grazing Land Management

GLM_{BY} = net emissions and removals for category B.3 for the Party's base year, in
Gg CO₂ eq

GLM_t = net emissions and removals for category B.3 for commitment period year t in
Gg CO₂ eq

$GLM_T = \sum_{t=2008}^N (GLM_t)$, where N is the most recently reported year of the commitment
period.

CP_N = number of years reported since the beginning of the commitment period,
 $CP_N = N - 2007$, where N is the most recently reported year of the commitment period.

$GLM_{net} = GLM_{BY} * CP_N$

$AQGLM_T = GLM_T - GLM_{net}$

Revegetation

RV_{BY} = net emissions and removals for category B.4 for the Party's base year, in
Gg CO₂ eq

RV_t = net emissions and removals for category B.4 for commitment period year t, in
Gg CO₂ eq

$RV_T = \sum_{t=2008}^N (RV_t)$, where N is the most recently reported year of the commitment
period

CP_N = number of years reported since the beginning of the commitment period,
 $CP_N = N - 2007$, where N is the most recently reported year of the commitment period.

$RV_{net} = RV_{BY} * CP_N$

$AQRV_T = RV_T - RV_{net}$