

**DRAFT**  
**CLEAN DEVELOPMENT MECHANISM**  
**PROPOSED NEW METHODOLOGY: MONITORING (F-CDM-PDD-NMM)**  
**First Version (Ver 01) (in effect as of: XX Month 2003)**

**Introductory Note**

1. A strong link between baseline and monitoring methodologies is to be provided. New baseline and monitoring methodologies shall be proposed and approved together.
2. This form “Proposed New Methodology: Monitoring” (F-CDM-PDD–NMM) is to be used to propose a new monitoring methodology. This form shall fully and completely describe the methodology. A CDM-PDD, which is to be attached, demonstrates the application of the proposed new methodology to the project activity (see para. 7 below).
3. This form can be obtained electronically from the UNFCCC CDM web site (<http://unfccc.int/cdm>), by e-mail ([cdm-info@unfccc.int](mailto:cdm-info@unfccc.int)) or in printed format from the UNFCCC secretariat (Fax: +49-228-815-1999).
4. *Explanations* for project participants are in italics.
5. Terms which are underlined with a broken line are explained in the “CDM PDD Glossary of Terms”. It is recommended that before or during the completion of the form that project participants consult the most recent version of the “CDM-PDD Glossary of Terms”. They should also consult the section “Guidance – clarifications” available on the UNFCCC CDM web site (<http://unfccc.int/cdm>) or from the UNFCCC secretariat by e-mail ([cdm-info@unfccc.int](mailto:cdm-info@unfccc.int)) or in print via fax: +49-228-815 1999).
6. The Executive Board may revise this form if necessary. Revisions shall not affect proposed new methodologies submitted on or prior to the date on which a revised version of the form “Proposed New Methodology: Monitoring” enters into effect. Versions of the form shall be consecutively numbered and dated.
7. This form for “Proposed New Methodology: Monitoring” shall be submitted to the Executive Board in accordance with “Procedures for submission and consideration of a proposed new methodology”. For the most recent version of the procedures, please refer to procedures page of the UNFCCC CDM web site (<http://unfccc.int/cdm>). This form should be accompanied by:
  - (i) “CDM-Proposed New Methodology Form” (F-CDM-PNM);
  - (ii) “Proposed New Methodology: Baseline **Form**” (F-CDM-PDD-NBM);
  - (iii) “Project Design Document (CDM-PDD)” with sections A-E completed, in order to demonstrate the application of the baseline approach chosen and the proposed new methodology to a proposed project activity.

The most recent versions of these forms may be obtained from the “forms” section of the UNFCCC CDM web site (<http://unfccc.int/cdm>) or from the UNFCCC secretariat by e-mail ([cdm-info@unfccc.int](mailto:cdm-info@unfccc.int)) or in print via fax (+49-228-815-1999).

8. Each proposed new monitoring methodology should use a separate “Proposed New Methodology: Monitoring” form and “CDM-Proposed New Methodology form” (F-CDM-PNM). “Proposed New Methodology: Monitoring” forms for several new methodologies may be submitted together with the same CDM-PDD for several components of a proposed project.
9. This form should be completed without modifying its format, headings, font or logo.
10. In accordance with the CDM M&P, the working language of the Board is English. The form “Proposed New Methodology: Monitoring” shall therefore be submitted in English to the Executive Board filled in English. However, the form will be available for consultation on the UNFCCC CDM web site in all six official languages of the United Nations.
11. For additional guidance on aspects to be covered in the description of a new methodology, please refer to guidance and clarifications by the Executive Board on the “guidance – clarifications” section of the UNFCCC CDM web site and the “CDM PDD Glossary of Terms”.

**General instructions:**

*(Monitoring of a CDM project activity refers to the collection and archiving of all relevant data necessary for determining the baseline, measuring anthropogenic emissions by sources of greenhouse gases (GHG) within the project boundary of a CDM project activity and leakage, as applicable.*

*When drafting a proposed new monitoring methodology, project participants shall:*

*(a) Describe the proposed new methodology using the forms for “Proposed New Methodology: Baseline” (F-CDM-PDD-NMB) and “Proposed New Methodology: Monitoring” (F-CDM-PDD-NMM) taking into account guidance given by the Executive Board as well as the information provided in the CDM PDD Glossary of Terms;*

*(b) Demonstrate the applicability of the proposed monitoring methodology to a project activity by providing relevant information in sections A-E of a draft CDM-PDD.*

*The monitoring methodology needs to provide detailed information **on how to establish** the monitoring plan related to the collection and archiving of all relevant data needed to:*

- estimate or measure emissions occurring within the project boundary,*
- determine the baseline emissions, and*
- identify increased emissions outside the project boundary;*

*The monitoring methodology should reflect good monitoring practice appropriate to the type of project activity.*

*All algorithms, formulae, and step-by-step procedures for applying the methodology shall be included in completing this form. The completed form shall provide independent replicable methodologies, and avoid reference to any secondary documents.*

*Proposals should be written in a concise and clear manner. Important procedures and concepts should be supported by equations and diagrams. Non-essential information should be avoided. The completed form shall not contain information which is related to the application of the proposed new methodology.*

*Project participants shall refrain from providing glossaries or using key terminology not used in the documents of the Conference of the Parties (COP) or the CDM glossary and from rewriting the instruction on the form “Proposed New Methodology: Monitoring”.*

**1. Identification of methodology****1.1. Title of the proposed methodology:**

(Provide an unambiguous title for a proposed methodology. Avoid project-specific titles. The title, once approved, should allow project participants to get an indication of the applicability of an *approved methodology*.)

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**1.2. List of category(ies) of project activity to which the methodology may apply:**

(Using the list of categories of project activities and of registered CDM project activities by category available on the UNFCCC CDM web site, please specify the category(ies) of project activities for which this proposed new methodology can be used. If no suitable category(ies) of project activities can be identified, please suggest a new category(ies) descriptor and its definition, being guided by relevant information on the UNFCCC CDM web site.)

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**1.3. Conditions under which the methodology is applicable to CDM project activities:**

(For example, circumstances, region, data availability, or resource availability)

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**2. Proposed new monitoring methodology**

(Please provide a detailed description of the monitoring plan, including the identification of data and its quality with regard to accuracy, comparability, completeness and validity.)

*Different types of project activities will have different monitoring requirements.*

*For some project activities, emission reductions are calculated as the difference between the project activity and the baseline emissions. For others emission reductions are monitored directly. Depending on the type of project activity, please fill out their option 1 or option 2.*

*Option 1 (section 2.2): Please describe the data and information that will be collected in order to monitor the emissions in the baseline scenario and the project scenario.*

*Option 2 (section 2.3): Describe the data and information that will be collected in order to directly monitor and calculate the emission reductions from the project activity*

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**2. 1. Brief description of new methodology**

*(Please outline the main points and give a reference to a detailed description of the monitoring methodology.)*

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**2. 2. Option 1: Monitoring of the emissions in the project scenario and the baseline scenario**

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**2.2.1. Data to be collected or used in order to monitor emissions from the project activity, and how this data will be archived:**  
*(Monitored data shall be archived for 2 years following the end of the crediting period\*.*  
*Please add rows to the table below, as needed.)*

ID number <i>(Please use numbers to ease cross-referencing to table 5)</i>	Data variable	Source of data	Data unit	Measured (m), calculated (c) or estimated (e)	Recording frequency	Proportion of data to be monitored	How will the data be archived? (electronic/paper)	For how long is archived data kept?*	Comment

**2.2.2. Description of formulae used to estimate project emissions (for each gas, source, formulae/algorithm, emissions units of CO2 equ.)**  
*(Formulae should be consistent with the formulae outlined in the description of the baseline methodology)*

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**2.2.3. Relevant data necessary for determining the baseline of anthropogenic emissions by sources of greenhouse gases within the project boundary and how such data will be collected and archived :**  
*(Monitored data shall be archived for 2 years following the end of the crediting period\*.*  
*Please add rows to the table below, as needed.)*

ID number <i>(Please use numbers to ease cross-referencing to table D.6)</i>	Data variable	Source of data	Data unit	Measured (m), calculated (c), estimated (e)	Recording frequency	Proportion of data to be monitored	How will the data be archived? (electronic/paper)	For how long is archived data kept?*	Comment


**2.2.4. Description of formulae used to estimate baseline emissions (for each gas, source, formulae/algorithm, emissions units of CO2 equ.)**  
*(Formulae should be consistent with the formulae outlined in the description of the baseline methodology)*

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**2.3. Option 2: Direct monitoring of emission reductions from the project activity**  
*(Values should be consistent with those in section E of the CDM-PDD form)*

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**2.3.1. Data to be collected or used in order to monitor emissions from the project activity, and how this data will be archived:**  
*(Monitored data shall be archived for 2 years following the end of the crediting period\*.  
 Please add rows to the table below, as needed.)*

ID number <i>(Please use numbers to ease cross-referencing to table D.6)</i>	Data variable	Source of data	Data unit	Measured (m), calculated (c), estimated (e)	Recording frequency	Proportion of data to be monitored	How will the data be archived? (electronic/paper)	For how long is archived data kept? *	Comment

**2.4. Treatment of leakage in the monitoring plan** *(Please explain if leakage will be monitored during the implementation of the project activity. If relevant, please explain and justify if leakage will not be estimated ex-post. Explain if leakage will be calculated as the difference between emissions occurring outside the boundaries of the project and emissions in the baseline scenario, or if leakage will be monitored directly.)*

**2.4.1. If applicable, please describe the data and information that will be collected in order to monitor leakage effects of the project activity**

*(Monitored data shall be archived for 2 years following the end of the crediting period\**

*Please add rows to the table below, as needed.)*

ID number <i>(Please use numbers to ease cross-referencing to table 5)</i>	Data variable	Source of data	Data unit	Measured (m), calculated (c) or estimated (e)	Recording frequency	Proportion of data to be monitored	How will the data be archived? (electronic/paper)	For how long is archived data kept?*	Comment

**2.4.2 Description of formulae used to estimate leakage (for each gas, source, formulae/algorithm, emissions units of CO2 equ.)**

*(Formulae should be consistent with the formulae outlined in the description of the baseline methodology)*

**2.5. Description of formulae used to estimate emission reductions for the project activity (for each gas, source, formulae/algorithm, emissions units of CO2 equ.)**

*(Formulae should be consistent with the formulae outlined in the description of the baseline methodology)*

**2.6. Assumptions used in elaborating the new methodology:**

*(Please list information used in the calculation of emissions which is not measured or calculated, for example use of any default emission factors)*

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**2.7. Please indicate whether quality control (QC) and quality assurance (QA) procedures are being undertaken for the items monitored.**  
*(see tables in sections 2 and 3 above)*

Data <i>(Indicate table and ID number e.g. 3.-1; 3.-2.)</i>	Uncertainty level of data (High/Medium/Low)	Explain QA/QC procedures planned for these data, or why such procedures are not necessary.

**2.8. What are the potential strengths and weaknesses of this methodology?** *(please outline how the accuracy and completeness of the new methodology compares to that of approved methodologies.)*

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**2.9. Has the methodology been applied successfully elsewhere and, if so, in which circumstances?**

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