



**Annex 15**

**GUIDELINES FOR USERS OF THE  
JOINT IMPLEMENTATION LAND USE, LAND-USE CHANGE AND FORESTRY  
PROJECT DESIGN DOCUMENT FORM**



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**Version 01**

**CONTENTS**

	Page
<b>PART I (General guidance)</b>	
A. General information on the joint implementation land use, land-use change and forestry project design document form.....	2
B. Glossary of joint implementation land use, land-use change and forestry terms.....	4
<b>PART II (Joint implementation land use, land-use change and forestry project design document form)</b>	
A. Information note for the joint implementation land use, land-use change and forestry project design document form.....	12
B. Specific guidelines for users of the joint implementation land use, land-use change and forestry project design document form.....	13



## PART I

### **A. General information on the joint implementation land use, land-use change and forestry project design document form**

1. These guidelines are to assist users of the joint implementation land use, land-use change and forestry project design document (JI LULUCF PDD) form.
2. The JI LULUCF PDD form was elaborated by the Joint Implementation Supervisory Committee (JISC) in accordance with decisions 16/CP.7 and 10/CMP.1 and the guidelines for the implementation of Article 6 of the Kyoto Protocol as contained in decision 9/CMP.1 and the annex thereto (hereinafter referred to as JI guidelines).
3. Project participants that wish to submit a PDD for a LULUCF project to an accredited independent entity (AIE) under the verification procedure under the JISC, as defined in the JI guidelines, paragraphs 30–45, shall submit a completed JI LULUCF PDD form.
4. The JI LULUCF PDD form can be obtained electronically from the JI section of the UNFCCC website (<http://ji.unfccc.int/>) or by e-mail ([ji-info@unfccc.int](mailto:ji-info@unfccc.int)) or in printed format from the UNFCCC secretariat (fax: +49 228 815 1999).
5. Terms, which are underlined with a broken line in the JI LULUCF PDD form, are explained in the “Glossary of joint implementation land use, land-use change and forestry terms” which is included in these guidelines. Users of the JI LULUCF PDD form are strongly recommended to consult the most recent version of the glossary.
6. Project participants should also consult the section “Guidance / Clarifications” of the JI section of the UNFCCC website (<http://ji.unfccc.int/>). Its contents may also be obtained from the UNFCCC secretariat (e-mail: [ji-info@unfccc.int](mailto:ji-info@unfccc.int), fax: +49 228 815 1999).
7. The JISC may revise the JI LULUCF PDD form, if necessary. Revisions come into effect once adopted by the JISC, bearing in mind the provisions below.
8. Revisions of the JI LULUCF PDD form do not affect projects the project design document of which:
  - (a) Has already been used as the basis for a determination by an AIE; or
  - (b) Has already been submitted to an AIE for determination prior to the adoption of the revised JI LULUCF PDD form; or
  - (c) Is submitted to an AIE within a month following the adoption of the revised JI LULUCF PDD form.
9. The JISC will not accept documentation using the previous version of the JI LULUCF PDD form six months after the adoption of a new version.
10. In accordance with the JI guidelines, the working language of the JISC is English. The JI LULUCF PDD form shall therefore be completed and submitted in English.



11. The JI LULUCF PDD form shall not be altered. It shall be completed without modifying/adding headings, logo, format or font. Tables shall not be modified or deleted. However, rows may be added as needed.
12. The completed JI LULUCF PDD form shall include in section A.1. the version number and the date of the document.
13. If a section of the JI LULUCF PDD form is not applicable, it shall be explicitly stated that the section is left blank on purpose.
14. This JI LULUCF PDD form is only applicable to JI LULUCF projects.



## B. Glossary of joint implementation land use, land-use change and forestry terms

Joint implementation (JI) means the mechanism referred to in Article 6 of the Kyoto Protocol. “For the purpose of meeting its commitments under Article<sup>1</sup> 3, any Party<sup>2</sup> included in Annex I may transfer to, or acquire from, any other such Party emission reduction units resulting from projects aimed at reducing anthropogenic emissions by sources or enhancing anthropogenic removals by sinks of greenhouse gases in any sector of the economy, provided that:

- (a) Any such project has the approval of the Parties involved;
- (b) Any such project provides a reduction in emissions by sources, or an enhancement of removals by sinks, that is additional to any that would otherwise occur;
- (c) It does not acquire any emission reduction units if it is not in compliance with its obligations under Articles 5 and 7; and
- (d) The acquisition of emission reduction units shall be supplemental to domestic actions for the purposes of meeting commitments under Article 3.”<sup>3</sup>

The Conference of the Parties (COP), by its decision 16/CP.7, recommended the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol (COP/MOP) to adopt, at its first session, a decision on guidelines for the implementation of Article 6 of the Kyoto Protocol. Accordingly, the COP/MOP adopted decision 9/CMP.1. Paragraph 4 of decision 9/CMP.1 stipulates that projects under Article 6 aimed at enhancing anthropogenic removals by sinks shall conform to definitions, accounting rules, modalities and guidelines under Article 3, paragraphs 3 and 4, of the Kyoto Protocol.

The following glossary of JI LULUCF terms is meant to facilitate the completion of the JI LULUCF PDD form. It takes up general JI terms with specific relevance for JI LULUCF projects, elaborates on them in a JI LULUCF context, as appropriate, and defines additional terms applicable to JI LULUCF projects only.

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<sup>1</sup> In this glossary, the term “Article” refers to an Article of the Kyoto Protocol to the United Nations Framework Convention on Climate Change (UNFCCC), unless the context otherwise indicates.

<sup>2</sup> In this glossary, the term “Party” means, unless the context otherwise indicates, a Party to the Kyoto Protocol. “Party included in Annex I” (also “Annex I Party”) means a Party which is included in Annex I to the UNFCCC, as may be amended, or a Party which has made a notification under Article 4, paragraph 2 (g), of the UNFCCC, and which has ratified the Kyoto Protocol.

<sup>3</sup> Article 6, paragraph 1, of the Kyoto Protocol.



### Terms in alphabetical order

#### **Accredited independent entity (AIE)**

An entity accredited by the JISC in accordance with standards and procedures contained in appendix A of the JI guidelines. Under the verification procedure under the JISC, defined in paragraphs 30–45 of the JI guidelines, an AIE is responsible for the determination of whether a project and the ensuing reductions of anthropogenic emissions by sources or enhancements of anthropogenic removals by sinks meet the relevant requirements of Article 6 of the Kyoto Protocol and the JI guidelines.

Decision 10/CMP.1, paragraph 3, stipulates:

- Designated operational entities under the clean development mechanism (CDM) may act provisionally as accredited independent entities under Article 6 until the Joint Implementation Supervisory Committee has approved its procedures for accreditation;
- Those designated operational entities that apply for accreditation under the approved procedures for accreditation may continue to act provisionally as accredited independent entities until a final accreditation decision is taken;
- The determinations and relevant activities undertaken under these provisions shall be valid only after the accreditation of the independent entity is finalized.

#### **Afforestation**

The direct human-induced conversion of land that has not been forested for a period of at least 50 years to forested land through planting, seeding and/or the human-induced promotion of natural seed sources.

#### **Attributable**

See “*Measurable and attributable*”.

#### **Authorization of a legal entity to participate in a JI project**

See “*Project approval by the Parties involved*”.

#### **Baseline**

The scenario that reasonably represents the anthropogenic emissions by sources or anthropogenic removals by sinks of greenhouse gases that would occur in the absence of the proposed JI project.

Criteria for baseline setting are listed in appendix B of the JI guidelines:

- A baseline shall cover emissions from all gases, sectors and source categories listed in Annex A of the Kyoto Protocol, and anthropogenic removals by sinks, within the project boundary;
- A baseline shall be established:
  - (a) On a project-specific basis and/or using a multi-project emission factor;
  - (b) In a transparent manner with regard to the choice of approaches, assumptions, methodologies, parameters, data sources and key factors;
  - (c) Taking into account relevant national and/or sectoral policies and circumstances, such as sectoral reform initiatives, local fuel availability, power sector expansion plans, and the economic situation in the project sector;



(d) In such a way that emission reduction units (ERUs) cannot be earned for decreases in activity levels outside the project activity or due to force majeure;

(e) Taking account of uncertainties and using conservative assumptions;

- Project participants shall justify their choice of baseline.

According to paragraph 3 (d) of the JI guidelines, the JISC is responsible for the review and revision of reporting guidelines and criteria for baselines and monitoring in appendix B of the JI guidelines, for consideration by the COP/MOP, giving consideration to relevant work of the Executive Board of the CDM, as appropriate. Moreover, decision 10/CMP.1, paragraph 2 (f), stipulates that the JISC shall develop, as soon as possible, guidance with regard to appendix B of the JI guidelines, including provisions for small-scale projects as defined in paragraph 6 (c) of decision 17/CP.7, as appropriate.

According to decision 10/CMP.1, paragraph 4 (a), project participants may, but are not obliged to, apply methodologies for baselines and monitoring, including methodologies for small-scale project activities, approved by the Executive Board of the CDM, under JI, as appropriate. Baseline and monitoring methodologies approved by the Executive Board are publicly available, together with relevant guidance, on the UNFCCC CDM website (<http://cdm.unfccc.int>) or through a written request sent to the secretariat by e-mail ([cdm-info@unfccc.int](mailto:cdm-info@unfccc.int)) or fax (+49 228 815 1999).

### **Carbon pools**

Above-ground biomass, below-ground biomass, litter, dead wood, and soil organic carbon. Project participants may choose not to account for one or more carbon pools if they provide transparent and verifiable information that indicates that the pool is not a source.

### **Confidential/proprietary information**

In accordance with paragraph 40 of the JI guidelines, information obtained from project participants marked as proprietary or confidential shall not be disclosed without the written consent of the provider of the information, except as required by applicable national law of the host Party. Information used to determine whether reductions in anthropogenic emissions by sources or enhancements of anthropogenic removals by sinks are additional, to describe the baseline methodology and its application, and to support an environmental impact assessment referred to in paragraph 33 (d) of the JI guidelines, shall not be considered as proprietary or confidential.

### **Crediting period**

The period for which reductions in anthropogenic emissions by sources or enhancements of net anthropogenic removals by sinks may be determined by an AIE.

Projects starting as of 2000 may be eligible as JI projects if they meet the requirements of the JI guidelines. ERUs shall only be issued for a crediting period starting after the beginning of 2008. The project participants shall choose the starting date of the crediting period to be on or after the date the first emission reductions or enhancements of net removals are generated by the JI project. The crediting period shall not extend beyond the operational lifetime of the project. The end of the crediting period can be after 2012 subject to the approval by the host Party. The status of emission reductions or enhancements of net removals generated by JI projects after the end of the first commitment period may be determined by any relevant agreement under the UNFCCC.

### **Cropland management**

The system of practices on land on which agricultural crops are grown and on land that is set aside or temporarily not being used for crop production.

**Deforestation**

The direct human-induced conversion of forested land to non-forested land.

**Determination**

Under the verification procedure under the JISC, defined in paragraphs 30–45 of the JI guidelines, an AIE is responsible for the determination of whether a project and the ensuing reductions of anthropogenic emissions by sources or enhancements of anthropogenic removals by sinks meet the relevant requirements of Article 6 of the Kyoto Protocol and the JI guidelines.

Determinations of reductions in anthropogenic emissions by sources or enhancements of anthropogenic removals by sinks pursuant to paragraph 37 of the JI guidelines are also referred to as verifications, whereas determinations pursuant to paragraph 33 of the JI guidelines regarding project design documents are also simply referred to as determinations (in the narrower sense of the term).

**Emission reduction unit (ERU)**

A unit issued pursuant to the relevant provisions in the annex to decision 13/CMP.1 and equal to one metric tonne of carbon dioxide equivalent, calculated using global warming potentials defined by decision 2/CP.3 or as subsequently revised in accordance with Article 5 of the Kyoto Protocol.

**Forest**

A minimum area of land of 0.05–1.0 hectare with tree crown cover (or equivalent stocking level) of more than 10–30 per cent with trees with the potential to reach a minimum height of 2–5 metres at maturity in situ. A forest may consist either of closed forest formations where trees of various storeys and undergrowth cover a high proportion of the ground or open forest. Young natural stands and all plantations which have yet to reach a crown density of 10–30 per cent or tree height of 2–5 metres are included under forest, as are areas normally forming part of the forest area which are temporarily unstocked as a result of human intervention such as harvesting or natural causes but which are expected to revert to forest.

According to paragraph 8 (b) of the annex to decision 13/CMP.1 and paragraph 16 of the annex to decision 16/CMP.1, for the purposes of applying the definition of “forest” each Party included in Annex I shall select and report to the COP/MOP:

- (a) a single minimum tree crown cover value between 10 and 30 per cent; and
- (b) a single minimum land area value between 0.05 and 1 hectare; and
- (c) a single minimum tree height value between 2 and 5 metres.

The selection of a Party shall be fixed for the duration of the first commitment period.

**Forest management**

A system of practices for stewardship and use of forest land aimed at fulfilling relevant ecological (including biological diversity), economic and social functions of the forest in a sustainable manner.

**Grazing land management**

The system of practices on land used for livestock production aimed at manipulating the amount and type of vegetation and livestock produced.

**Host Party**

A Party on the territory of which the JI project is physically located. A project located in several countries has several host Parties.



**Leakage**

The net change of anthropogenic emissions by sources and/or removals by sinks of greenhouse gases which occurs outside the project boundary, and that is measurable and attributable to the JI project.

In the case of LULUCF projects, only the increased anthropogenic emissions by sources and/or reduced anthropogenic removals by sinks of greenhouse gases outside the project boundary shall be taken into account.

**LULUCF activities**

The following activities referred to in Article 3, paragraphs 3 and 4 of the Kyoto Protocol, as defined in paragraph 1 of the annex to decision 16/CMP.1: afforestation, reforestation, deforestation, revegetation, forest management, cropland management and grazing land management.

**LULUCF project**

See "Project".

**Measurable and attributable**

In an operational context, the term "that is measurable and attributable" in paragraph 4 (f) of appendix B of the JI guidelines should be read as "that can be measured and is directly attributable".

**Monitoring**

The collection and archiving of all relevant data necessary for:

- estimating or measuring anthropogenic emissions by sources and/or anthropogenic removals by sinks of greenhouse gases occurring within the project boundary during the crediting period and
- determining the baseline of anthropogenic emissions by sources and/or anthropogenic removals by sinks of greenhouse gases within the project boundary during the crediting period, as well as

the identification of all potential sources of, and the collection and archiving of data on, increased anthropogenic emissions by sources and/or reduced anthropogenic removals by sinks of greenhouse gases outside the project boundary that are significant and reasonably attributable to the project during the crediting period.

Appendix B of the JI guidelines defines criteria for baseline setting and monitoring.

According to paragraph 3 (d) of the JI guidelines, the JISC is responsible for the review and revision of reporting guidelines and criteria for baselines and monitoring in appendix B of the JI guidelines, for consideration by the COP/MOP, giving consideration to relevant work of the Executive Board of the CDM, as appropriate. Moreover, decision 10/CMP.1, paragraph 2 (f), stipulates that the JISC shall develop, as soon as possible, guidance with regard to appendix B of the JI guidelines, including provisions for small-scale projects as defined in paragraph 6 (c) of decision 17/CP.7, as appropriate.

A JI PDD shall include a monitoring plan which has to be established in accordance with appendix B of the JI guidelines and further guidance on criteria for baseline setting and monitoring developed by the JISC.

According to decision 10/CMP.1, paragraph 4 (a), project participants may, but are not obliged to, apply methodologies for baselines and monitoring, including methodologies for small-scale project activities, approved by the Executive Board of the CDM, under JI, as appropriate. Baseline and monitoring methodologies approved by the Executive Board are publicly available, together with relevant guidance, on the UNFCCC CDM website (<http://cdm.unfccc.int>) or through a written request sent to the secretariat by e-mail ([cdm-info@unfccc.int](mailto:cdm-info@unfccc.int)) or fax (+49 228 815 1999).

**Monitoring plan**

See “Monitoring”.

**Net anthropogenic removals by sinks**

The sum of the changes in carbon stocks in the carbon pools within the project boundary, minus the emissions of greenhouse gases by sources within the project boundary.

**Operational lifetime of a project**

The period during which the project is in operation. The crediting period shall not extend beyond the operational lifetime of the project.

**Party involved**

A Party involved is a Party that provides a project approval in accordance with paragraph 31 (a) of the JI guidelines, in written form.

**Project**

A measure, operation or action aimed at reducing anthropogenic emissions by sources and/or enhancing anthropogenic removals by sinks of greenhouse gases.

A LULUCF project is based on a LULUCF activity and aims at enhancing net anthropogenic removals by sinks.

According to decision 9/CMP.1, paragraph 4, JI projects aimed at enhancing anthropogenic removals by sinks shall conform to definitions, accounting rules, modalities and guidelines under Article 3, paragraphs 3 and 4, of the Kyoto Protocol. Decision 16/CMP.1, paragraph 2, states that good practice guidance, and methods to estimate, measure, monitor and report changes in carbon stocks and anthropogenic greenhouse gas emissions by sources and removals by sinks resulting from land use, land-use change and forestry activities, as developed by the Intergovernmental Panel on Climate Change, shall be applied by Parties, if decided in accordance with relevant decisions of the COP/MOP. According to decision 17/CMP.1, paragraph 1, Parties included in Annex I to the Convention that have ratified the Kyoto Protocol shall apply for the first commitment period the good practice guidance for land use, land-use change and forestry, as developed by the Intergovernmental Panel on Climate Change.

**Project approval by the Parties involved**

According to paragraph 20 of the JI guidelines, a “Party involved in an Article 6 project shall inform the secretariat of:

- (a) Its designated focal point for approving projects pursuant to Article 6, paragraph 1 (a);
- (b) Its national guidelines and procedures for approving Article 6 projects, including the consideration of stakeholders’ comments, as well as monitoring and verification”.

Paragraph 31 of the JI guidelines stipulates that project participants shall submit to an AIE a project design document that contains all information needed for the determination of whether the project has been approved by the Parties involved.

This approval by the Parties involved should be unconditional and in writing and shall be attached to the JI PDD at the latest before the final determination report is made publicly available.

Such written approval constitutes the authorization by a designated focal point of a specific legal entity to participate in the specific JI project.



The approval covers the requirements of paragraphs 29 and 31 (a) of the JI guidelines.

A written approval by a Party may cover more than one project provided that all projects are clearly listed in the approval.

In the case of multilateral funds, written approval from each participant's designated focal point is not necessarily required. However, if written approval is not provided, rights and privileges in terms of being a Party involved may be given up.

### **Project boundary**

The project boundary shall encompass all anthropogenic emissions by sources and/or removals by sinks of greenhouse gases under the control of the project participants that are significant and reasonably attributable to the JI project.

In the case of JI LULUCF projects, the project boundary geographically delineates the JI LULUCF project under the control of the project participants. A JI LULUCF project may contain more than one discrete area of land. In this case:

- (a) Each discrete area of land should have a unique geographical identification;
- (b) The boundary should be defined for each discrete area and should not include the areas in between these discrete areas of land.

### **Project participant**

In accordance with the use of the term "project participant" in the JI guidelines, a project participant is (a) a Party involved or (b) a legal entity authorized by a Party involved to participate in the JI project.

### **Reforestation**

The direct human-induced conversion of non-forested land to forested land through planting, seeding and/or the human-induced promotion of natural seed sources, on land that was forested but that has been converted to non-forested land. For the first commitment period, reforestation activities will be limited to reforestation occurring on those lands that did not contain forest on 31 December 1989.

### **Removal unit (RMU)**

A unit issued pursuant to the relevant provisions in the annex to decision 13/CMP.1 and is equal to one metric tonne of carbon dioxide equivalent, calculated using global warming potentials defined by decision 2/CP.3 or as subsequently revised in accordance with Article 5.

### **Revegetation**

A direct human-induced activity to increase carbon stocks on sites through the establishment of vegetation that covers a minimum area of 0.05 hectares and does not meet the definitions of afforestation and reforestation.

### **Stakeholders**

The public, including individuals, groups or communities affected, or likely to be affected, by the project.

### **Starting date of a JI project**

The date on which the implementation or construction or real action of the project begins. Projects starting as of 2000 may be eligible as JI projects if they meet the requirements of the JI guidelines. ERUs shall only be issued for a crediting period starting after the beginning of 2008.

**Track 1 procedure**

*See “Track 2 procedure”.*

**Track 2 procedure**

The verification procedure under the JISC, defined in paragraphs 30–45 of the JI guidelines.

A Party included in Annex I of the UNFCCC with a commitment inscribed in Annex B of the Kyoto Protocol is eligible to transfer and/or acquire ERUs issued in accordance with the relevant provisions, if it is in compliance with eligibility requirements listed in paragraph 21 of the JI guidelines. A Party acquiring ERUs has to fulfill all the eligibility requirements. A host Party wishing to issue and transfer ERUs has to fulfill the minimum criteria defined in paragraph 24 of the JI guidelines. If the host Party does not meet all the eligibility requirements, the project has to be implemented under the verification procedure under the JISC, i.e. the Track 2 procedure. If the host Party meets all the eligibility criteria, it may verify reductions in anthropogenic emissions by sources or enhancements of anthropogenic removals by sinks from a JI project as being additional to any that would otherwise occur according to its own rules, i.e. under the Track 1 procedure. A host Party that fulfills all the eligibility requirements may at any time elect to use the Track 2 procedure.

**Verification**

*See “Determination”.*



## PART II

### **A. Information note for the joint implementation land use, land-use change and forestry project design document form**

1. The completed JI LULUCF PDD form presents information on the essential technical and organizational aspects of a LULUCF project and is a key input for determinations regarding the project under the verification procedure under the JISC as defined in paragraphs 30–45 of the JI guidelines.
2. The completed JI LULUCF PDD form contains information on the project, the baseline, and the monitoring plan chosen.
3. The project participants shall submit the completed JI LULUCF PDD form, together with attachments, if necessary, to an accredited independent entity (AIE) for determination. The AIE then examines the adequacy of the information provided in the JI LULUCF PDD, especially whether it satisfies the relevant provisions of the JI guidelines. Based on this examination, the AIE makes a determination regarding the project.
4. Bearing in mind paragraph 40 of the JI guidelines, project participants shall submit documentation that contains confidential/proprietary information in two versions:
  - A marked-up version where all confidential/proprietary parts have been made illegible by the project participants (e.g. by covering those parts with black ink) so that it can be made public;
  - A version containing all information, i.e. including parts which shall be treated as strictly confidential by all persons handling this documentation (AIEs, JISC members and alternate members, and panel, subcommittee and working group members, external experts requested to consider such documents in support of the work of the JISC, and the secretariat, as applicable).



**B. Specific guidelines for users of the joint implementation land use, land-use change and forestry project design document form**

**CONTENTS OF THE  
JOINT IMPLEMENTATION LAND USE, LAND-USE CHANGE AND FORESTRY  
PROJECT DESIGN DOCUMENT FORM**

- A. General description of the LULUCF project
- B. Baseline
- C. Duration of the LULUCF project / crediting period
- D. Monitoring plan
- E. Estimation of enhancements of net anthropogenic removals by sinks
- F. Environmental impacts
- G. Stakeholders' comments

**Annexes**

- Annex 1: Contact information on project participants
- Annex 2: Baseline information
- Annex 3: Monitoring plan



**SECTION A. General description of the LULUCF project**

**A.1. Title of the LULUCF project:**

Please indicate:

- The title of the LULUCF project;
- The version number of the document;
- The date of the document.

**A.2. Description of the LULUCF project:**

Please include in the description the purpose of the LULUCF project.

**A.3. Project participants:**

Please list <u>project participants</u> and <u>Parties involved</u> in this section and provide contact information in annex 1. Information shall be provided in the following tabular format.		
<u>Party involved</u> *	Legal entity <u>project participant</u> (as applicable)	Please indicate if the <u>Party involved</u> wishes to be considered as <u>project participant</u> (Yes/No)
Party A	<ul style="list-style-type: none"> <li>• Legal entity A1</li> <li>• Legal entity A2</li> <li>• ...</li> </ul>	Yes/No
Party B	<ul style="list-style-type: none"> <li>• Legal entity B1</li> <li>• Legal entity B2</li> <li>• ...</li> </ul>	Yes/No
...	<ul style="list-style-type: none"> <li>• ...</li> </ul>	...
* Please indicate if the <u>Party involved</u> is a <u>host Party</u> .		

**A.4. Technical description of the LULUCF project:**

**A.4.1. Location of the LULUCF project:**

**A.4.1.1. Host Party(ies):**

**A.4.1.2. Region/State/Province etc.:**

**A.4.1.3. City/Town/Community etc.:**

**A.4.1.4. Detailed delineation of the project boundary including information allowing the unique identification of the LULUCF project:**

The project boundary geographically delineates the LULUCF project under the control of the project participants. The LULUCF project may contain more than one discrete area of land. In this case:

- Each discrete area of land should have a unique geographical identification;
- The project boundary should be defined for each discrete area, and should not include the areas in between these discrete areas of land.

The information provided shall ensure that areas of land are identifiable.

**A.4.2. Conformity with the definitions of LULUCF activities:**

Please specify how the project conforms to the definitions of LULUCF activities included in paragraph 1 of the annex to decision 16/CMP.1, applying the good practice guidance for land use, land-use change and forestry as decided by the COP/MOP, as appropriate.

In the case of afforestation, reforestation and/or forest management projects, project participants shall apply the definition of “forest” selected by the host Party, which specifies:

- A single minimum tree crown cover value between 10 and 30 per cent; and
- A single minimum land area value between 0.05 and 1 hectare; and
- A single minimum tree height value between 2 and 5 metres.

**A.4.3. Technology(ies) to be employed, or measures, operations or actions to be implemented by the LULUCF project:**

Please indicate in the description the species and varieties selected for the project.

**A.4.4. Brief explanation of how the net anthropogenic removals by sinks are to be enhanced by the proposed JI LULUCF project, including why these enhancements would not occur in the absence of the proposed project, taking into account national and/or sectoral policies and circumstances:**

Please explain briefly how the net anthropogenic removals by sinks are to be enhanced (details to be provided in section B.) and provide the estimate(s) of anticipated total enhancements of net anthropogenic removals by sinks in tonnes of CO<sub>2</sub> equivalent as determined in section E.  
Max. length: one page.





**A.4.4.1. Estimated enhancements of net anthropogenic removals by sinks over the crediting period:**

Please indicate the length of the crediting period and provide estimates of total as well as annual enhancements of net anthropogenic removals by sinks. Estimates shall take into account the good practice guidance for land use, land-use change and forestry developed by the Intergovernmental Panel on Climate Change. Information shall be provided using the following tabular format.

Length of the <u>crediting period</u> : ____ / ____ Years/Months	
Year	Estimate of annual enhancements of <u>net anthropogenic removals by sinks</u> in tonnes of CO <sub>2</sub> equivalent
Year A	
Year B	
Year ...	
Total estimated enhancements of <u>net anthropogenic removals by sinks</u> over the <u>crediting period</u> (tonnes of CO <sub>2</sub> equivalent)	
Annual average of estimated enhancements of <u>net anthropogenic removals by sinks</u> over the <u>crediting period</u> (tonnes of CO <sub>2</sub> equivalent)	

**A.5. Project approval by the Parties involved:**

Written approvals by the Parties involved should be attached.

**SECTION B. Baseline**

According to decision 9/CMP.1, paragraph 4, JI projects aimed at enhancing anthropogenic removals by sinks shall conform to definitions, accounting rules, modalities and guidelines under Article 3, paragraphs 3 and 4, of the Kyoto Protocol. Decision 16/CMP.1, paragraph 2, states that good practice guidance, and methods to estimate, measure, monitor and report changes in carbon stocks and anthropogenic greenhouse gas emissions by sources and removals by sinks resulting from land use, land-use change and forestry activities, as developed by the Intergovernmental Panel on Climate Change, shall be applied by Parties, if decided in accordance with relevant decisions of the COP/MOP. According to decision 17/CMP.1, paragraph 1, Parties included in Annex I to the Convention that have ratified the Kyoto Protocol shall apply for the first commitment period the good practice guidance for land use, land-use change and forestry, as developed by the Intergovernmental Panel on Climate Change.

A baseline has to be set in accordance with appendix B of the JI guidelines and further guidance on criteria for baseline setting and monitoring developed by the JISC.

As appropriate, project participants may, but are not obliged to, apply approved CDM baseline and monitoring methodologies.

Please note that this section B. shall contain all key elements of the baseline. Annex 2 (baseline information) that should be prepared in parallel to completing the remainder of this section shall contain a summary of the key elements in tabular form as well as additional supporting documentation/information.

**B.1. Description and justification of the baseline chosen:**

Please describe and justify the baseline chosen in accordance with appendix B of the JI guidelines and further guidance on criteria for baseline setting and monitoring developed by the JISC.

If an approved CDM baseline and monitoring methodology is used, all explanations, descriptions and analyses shall refer to the selected methodology. In particular, the following steps should be adhered to:

1. Reference to the approved baseline and monitoring methodology applied to the project

Please refer to the UNFCCC CDM website for the title and reference list as well as the details of approved baseline and monitoring methodologies.

2. Justification of the choice of the methodology and why it is applicable to the project

Please justify the choice of methodology by showing that the proposed project meets the applicability conditions of the methodology.

3. Description of how the methodology is applied in the context of the project

Please explain the basic assumptions of the baseline and monitoring methodology in the context of the project and show that the key methodological steps are followed in determining the baseline scenario. Provide the key information and data used to determine the baseline scenario (variables, parameters, data sources, etc.) in tabular form.

Please explain how the baseline chosen takes into account the good practice guidance for land use, land-use change and forestry, developed by the Intergovernmental Panel on Climate Change, and how it ensures conformity with the definitions, accounting rules, modalities and guidelines under Article 3, paragraphs 3 and 4, of the Kyoto Protocol.



**B.2. Carbon pools selected:**

In calculating the net anthropogenic removals by sinks occurring within the project boundary in the project and in the baseline scenario, project participants may choose not to account for one or more carbon pools, if transparent and verifiable information is provided that these unaccounted pools are not a source. The assessment should be based on conservative assumptions. Please note that the same carbon pools shall be considered in the estimation and/or calculation of the net anthropogenic removals by sinks occurring within the project boundary in the project and in the baseline scenario.

Please present the carbon pools that are selected in the table below. Provide short explanations and justifications for the choice.

<b><u>Carbon pools</u></b>	<b><u>Selected</u></b> (yes/no)	<b><u>Justification / Explanation</u></b> (If needed, please use the space at the bottom of the table)
Above-ground biomass		
Below-ground biomass		
Dead wood		
Litter		
Soil organic carbon		
<b>Further justification / explanation:</b>		



**B.3. Specification of the greenhouse gas sources whose emissions will be part of the LULUCF project:**

Please use the table below to identify the sources of greenhouse gas emissions within the project boundary of the LULUCF project, e.g. soil preparation, machinery and fertilisation.

Please note that CO<sub>2</sub> emissions or removals resulting from changes in carbon stocks should not be included in this table. Please explain whether any emission sources are excluded and if yes, justify their exclusion. If possible, please use the table provided below. Please add rows for other GHG sources, as needed.

Source	Gas	Included/ excluded	Justification / Explanation (If needed, please use the space at the bottom of the table)
Use of fertilisers	CO <sub>2</sub>		
	CH <sub>4</sub>		
	N <sub>2</sub> O		
Combustion of fossil fuels used in on-site vehicles	CO <sub>2</sub>		
	CH <sub>4</sub>		
	N <sub>2</sub> O		
<b>Further justification/explanation:</b>			

**B.4. Description of how the net anthropogenic removals by sinks are enhanced above those that would have occurred in the absence of the JI LULUCF project:**

Please explain how and why the project is additional. Include (a) a description of the baseline scenario, (b) a description of the project scenario, and (c) an analysis showing why the net removals in the baseline scenario would likely lie below the net removals in the project scenario.

If an approved CDM baseline and monitoring methodology is used, all explanations, descriptions and analyses shall refer to the selected methodology.

**B.5. Description of how the definition of the project boundary is applied to the LULUCF project:**



**B.6. Further baseline information, including the date of baseline setting and the name(s) of the person(s)/entity(ies) setting the baseline:**

Please provide date of baseline setting (DD/MM/YYYY).

Please provide contact information and indicate if the person/entity is also a project participant listed in annex 1.



**SECTION C. Duration of the LULUCF project / crediting period**

**C.1. Starting date of the project:**

The starting date of a JI project is the date on which the implementation or construction or real action of the project begins.

Projects starting as of 2000 may be eligible as JI projects if they meet the requirements of the JI guidelines. ERUs shall only be issued for a crediting period starting after the beginning of 2008.

**C.2. Expected operational lifetime of the project:**

Please state the expected operational lifetime of the project in years and months.

**C.3. Length of the crediting period:**

Please state the length of the crediting period in years and months as well as its starting date.

Please note that ERUs shall only be issued for a crediting period starting after the beginning of 2008 and that the crediting period shall not extend beyond the operational lifetime of the project.

**SECTION D. Monitoring plan**

According to decision 9/CMP.1, paragraph 4, JI projects aimed at enhancing anthropogenic removals by sinks shall conform to definitions, accounting rules, modalities and guidelines under Article 3, paragraphs 3 and 4, of the Kyoto Protocol. Decision 16/CMP.1, paragraph 2, states that good practice guidance, and methods to estimate, measure, monitor and report changes in carbon stocks and anthropogenic greenhouse gas emissions by sources and removals by sinks resulting from land use, land-use change and forestry activities, as developed by the Intergovernmental Panel on Climate Change, shall be applied by Parties, if decided in accordance with relevant decisions of the COP/MOP. According to decision 17/CMP.1, paragraph 1, Parties included in Annex I to the Convention that have ratified the Kyoto Protocol shall apply for the first commitment period the good practice guidance for land use, land-use change and forestry, as developed by the Intergovernmental Panel on Climate Change.

A monitoring plan has to be established in accordance with appendix B of the JI guidelines and further guidance on criteria for baseline setting and monitoring developed by the JISC.

As appropriate, project participants may, but are not obliged to, apply approved CDM baseline and monitoring methodologies. If an approved CDM baseline and monitoring methodology is used, any guidance contained in the methodology shall be taken into consideration.

The monitoring plan needs to provide detailed information on the collection and archiving of all relevant data necessary for determining:

- project emissions and removals,
- baseline emissions and removals, and
- leakage effects.

The monitoring plan should reflect good monitoring practice appropriate to the project type.

If a national or international monitoring standard has to be applied to monitor certain aspects of the project, please identify this standard and provide a reference as to where a detailed description of the standard can be found.

Project participants shall implement the determined monitoring plan and provide data in accordance with the plan through their monitoring reports.

Please note that data monitored and required for determination shall be kept for two years after the last transfer of ERUs for the project.

This section D. shall provide a detailed description of all key elements of the monitoring plan, which is to be attached in annex 3.

**D.1. Description of monitoring plan chosen:**

Please explain how the monitoring plan chosen takes into account the good practice guidance for land use, land-use change and forestry, developed by the Intergovernmental Panel on Climate Change, and how it ensures conformity with the definitions, accounting rules, modalities and guidelines under Article 3, paragraphs 3 and 4, of the Kyoto Protocol.



**D.1.1. Sampling design and stratification:**

Please describe the sampling design that will be used for the calculation of the net anthropogenic removals by sinks occurring within the project boundary in the project scenario and, in case the baseline is monitored, in the baseline scenario. The sampling design shall describe, inter alia, stratification, determination of number of plots and plot distribution, etc.

**D.1.2. Monitoring of the anthropogenic emissions by sources and removals by sinks in the project and baseline scenarios:****D.1.2.1. Data to be collected in order to monitor the changes in carbon stocks in the carbon pools within the project boundary in the project scenario, and how these data will be archived (for each carbon pool and in units of CO<sub>2</sub> equivalent):**

Please describe the data to be collected and how they will be archived. Please add rows to the table, as needed.

**D.1.2.2. Data to be collected in order to monitor the greenhouse gas emissions by sources within the project boundary in the project scenario, and how these data will be archived (for each gas, source, etc.; in units of CO<sub>2</sub> equivalent):**

Please describe the data to be collected and how they will be archived. Please add rows to the table, as needed.

**D.1.2.3. Description of formulae and/or models used to estimate the changes in carbon stocks in the carbon pools within the project boundary in the project scenario (for each carbon pool and in units of CO<sub>2</sub> equivalent):**

The definition and utilisation of formulae and/or models, variables and subscripts should be consistent throughout the document.

**D.1.2.4. Description of formulae and/or models used to estimate the greenhouse gas emissions by sources within the project boundary in the project scenario (for each gas, source, etc.; in units of CO<sub>2</sub> equivalent):**

The definition and utilisation of formulae and/or models, variables and subscripts should be consistent throughout the document.

**D.1.2.5. Data necessary for determining the changes in carbon stocks in the carbon pools within the project boundary in the baseline scenario, and how these data will be collected and archived (for each carbon pool and in units of CO<sub>2</sub> equivalent):**

Please describe the data to be collected and how they will be archived. Please add rows to the table, as needed.



**D.1.2.6. Data necessary for determining the greenhouse gas emissions by sources within the project boundary in the baseline scenario, and how these data will be collected and archived (for each gas, source, etc.; in units of CO<sub>2</sub> equivalent):**

Please describe the data to be collected and how they will be archived. Please add rows to the table, as needed.

**D.1.2.7. Description of formulae and/or models used to estimate the changes in carbon stocks in the carbon pools within the project boundary in the baseline scenario (for each carbon pool and in units of CO<sub>2</sub> equivalent):**

The definition and utilisation of formulae and/or models, variables and subscripts should be consistent throughout the document.

**D.1.2.8. Description of formulae and/or models used to estimate the greenhouse gas emissions by sources within the project boundary in the baseline scenario (for each gas, source, etc.; in units of CO<sub>2</sub> equivalent):**

The definition and utilisation of formulae and/or models, variables and subscripts should be consistent throughout the document.

**D.1.3. Treatment of leakage in the monitoring plan:**

**D.1.3.1. If applicable, please describe the data and information that will be collected in order to monitor leakage (for each gas, source, carbon pool, etc.; in units of CO<sub>2</sub> equivalent):**

Please add rows to the table, as needed. If not applicable, please state so.

**D.1.3.2. Description of formulae and/or models used to estimate leakage (for each gas, source, carbon pool, etc.; in units of CO<sub>2</sub> equivalent):**

The definition and utilisation of formulae and/or models, variables and subscripts should be consistent throughout the document. If not applicable, please state so.

**D.1.4. Description of formulae/and or models used to estimate the enhancements of net anthropogenic removals by sinks by the LULUCF project (for each gas, carbon pool, source, etc.; in units of CO<sub>2</sub> equivalent):**

The definition and utilisation of formulae and/or models, variables and subscripts should be consistent throughout the document.

**D.1.5. Where applicable, in accordance with procedures as required by the host Party, information on the collection and archiving of information on the environmental impacts of the LULUCF project:**

Please provide information on the collection and archiving of information on the environmental impacts of the project. Please provide reference to the relevant host Party regulation(s). If not applicable, please state so.



**D.2. Quality control (QC) and quality assurance (QA) procedures undertaken for data monitored:**

Please refer to data contained in section D.1., as applicable.

**D.3. Please describe the operational and management structure that the LULUCF project operator will apply in implementing the monitoring plan:**

**D.4. Name of person(s)/entity(ies) establishing the monitoring plan:**

Please provide contact information and indicate if the person/entity is also a project participant listed in annex 1.



**SECTION E. Estimation of enhancements of net anthropogenic removals by sinks.**

Estimates shall take into account the good practice guidance for land use, land-use change and forestry developed by the Intergovernmental Panel on Climate Change and be consistent throughout the document.

Please attach detailed calculations if deemed necessary to ensure transparency.

**E.1. Estimated project net anthropogenic removals by sinks:**

Please provide estimates of the sum of the changes in the carbon stocks in the carbon pools within the project boundary, minus the emissions of greenhouse gases by sources within the project boundary in the project scenario. Estimates should be given for each carbon pool, source, gas, etc.; in units of CO<sub>2</sub> equivalent.

**E.2. Estimated baseline net anthropogenic removals by sinks:**

Please provide estimates of the sum of the changes in the carbon stocks in the carbon pools within the project boundary, minus the emissions of greenhouse gases by sources within the project boundary in the baseline scenario. Estimates should be given for each carbon pool, source, gas, etc.; in units of CO<sub>2</sub> equivalent.

**E.3. The difference between E.1. and E.2.:**

**E.4. Estimated leakage:**

Please provide estimates of any leakage. Estimates should be given for each gas, carbon pool, source, etc.; in units of CO<sub>2</sub> equivalent. If not applicable, please state so.

**E.5. The difference between E.3. and E.4 representing the estimated enhancements of net anthropogenic removals by sinks:**

**E.6. Table providing values obtained when applying formulae above:**

The result of the application of the formulae above shall be indicated using the following tabular format.				
Year	Estimated <u>project net anthropogenic removals by sinks</u> (tonnes of CO <sub>2</sub> equivalent)	Estimated <u>baseline net anthropogenic removals by sinks</u> (tonnes of CO <sub>2</sub> equivalent)	Estimated <u>leakage</u> (tonnes of CO <sub>2</sub> equivalent)	Estimated enhancements of <u>net anthropogenic removals by sinks</u> (tonnes of CO <sub>2</sub> equivalent)
Year A				
Year B				
Year ...				
Total (tonnes of CO <sub>2</sub> equivalent)				



**SECTION F. Environmental impacts**

**F.1. Documentation on the analysis of the environmental impacts of the LULUCF project, including transboundary impacts, in accordance with procedures as determined by the host Party:**

Please list and attach the documentation to the JI PDD.

**F.2. If environmental impacts are considered significant by the project participants or the host Party, please provide conclusions and all references to supporting documentation of an environmental impact assessment undertaken in accordance with the procedures as required by the host Party:**



**SECTION G. Stakeholders' comments**

**G.1. Information on stakeholders' comments on the LULUCF project, as appropriate:**

Please provide:

- A list of stakeholders from whom comments on the LULUCF project have been received;
- Nature of the comments; and
- Whether and how the comments have been addressed.

If not applicable, please state so.



**Annex 1**

**CONTACT INFORMATION ON PROJECT PARTICIPANTS**

Please copy and paste table as needed. Please fill in the following mandatory fields for each organisation listed in section A.3.: organisation, name of contact person, street, city, postal code, country, phone and fax or e-mail.

**Annex 2**

**BASELINE INFORMATION**

Please provide a table containing the key elements of the baseline (including variables, parameters and data sources).

Please also attach additional supporting documentation/information.

**Annex 3**

**MONITORING PLAN**

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