




**Validation report form for post-registration changes for  
CDM project activities  
(Version 03.0)**

*Complete this form in accordance with the instructions attached at the end of this form.*

**BASIC INFORMATION**

|  |  |
|--|--|
| <b>Title and UNFCCC reference number of the project activity</b> | Ibi Batéké degraded savannah afforestation project for fuel-wood production (Democratic Republic of Congo). UNFCCC Ref. No. 4176   |
| <b>Process track</b>   | <input type="checkbox"/> Prior approval<br><input checked="" type="checkbox"/> Issuance<br><input type="checkbox"/> Renewal of crediting period  |
| <b>Version number of the validation report</b>                   | 1.2Aa  |
| <b>Completion date of the validation report</b>                  | 23/06/2020   |
| <b>Type(s) of PRCs</b>   | <input type="checkbox"/> Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents <sup>1</sup><br><input type="checkbox"/> Corrections<br><input type="checkbox"/> Changes to the start date of the crediting period<br><input type="checkbox"/> Inclusion of a monitoring plan<br><input checked="" type="checkbox"/> Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines or other methodological regulatory documents<br><input type="checkbox"/> Changes to the project design<br><input checked="" type="checkbox"/> Changes specific to afforestation and reforestation project activities |
| <b>Version number of PDD to which this report applies</b>        | 2.4 of 28/04/2020  |
| <b>Project participants</b>                                      | <b>Democratic Republic of the Congo:</b> MUSHIETE & Compagnie SARL. <b>Spain:</b> International Bank of Reconstruction and Development (IBRD) as Trustee of the BioCarbon Fund (BioCF); Kingdom of Spain – Ministry for the Ecological Transition & Ministry of Economy and Business; Zeroemissions Carbon Trust S.A. <b>Ireland:</b> Government of Ireland, Department of Communications, Climate Action and the Environment.   |
| <b>Host Party</b>  | Democratic Republic of Congo   |
| <b>Applied methodologies and standardized baselines</b>          | AR-ACM0001 version 03 of 29/03/2009: Afforestation and reforestation of degraded land  |

<sup>1</sup> Other standards, methodologies, methodological tools and guidelines (to be) applied in accordance with the applied(selected) methodologies are collectively referred to as the other (applied) methodological regulatory documents).

|  |  |
|--|--|
| <b>Mandatory sectoral scopes</b>   | 14   |
| <b>Conditional sectoral scopes, if applicable</b>                            | NA   |
| <b>Name and UNFCCC reference number of the DOE</b>                           | RINA Services S.p.A. E-0037  |
| <b>Name, position and signature of the approver of the validation report</b> | Laura SEVERINO<br>Head of Sustainability & Food Certification Compliance<br> |

## SECTION A. Executive summary

### Purpose and general description of the project activity

The project activity has been implemented with the aim to restore the Batéké plateau subjected to progressive degradation and deforestation for subsistence farming (maize, cassava) and charcoal production. Restoration covers approximately 4,226.53 ha and it is expected to achieve an annual average of GHG removals by sink of 39,289 tCO<sub>2</sub>e.

### Scope of validation

This report summarizes the findings of the validation of post registration changes, on the basis of UNFCCC criteria for CDM. The scope of validation is to determine:

- that the actual post-registration changes to the registered CDM project activity comply with the relevant CDM rules and requirements;
- that the revised PDD reflects the post-registration changes.

Validation shall ensure that:

- the compliance of the revised PDD with the valid version of the applicable form and instructions therein applicable at the time of validation;
- the information transferred to the later valid version of the PDD is materially the same as that in the registered PDD;
- the requirements relevant to the actual post registration changes in § 8.2 – 8.4 of the CDM VVS.

### Validation process

Validation is conducted using RINA procedures in line with the requirements specified in the CDM VVS, latest version available, relevant decisions of the CDM EB and applying standard auditing techniques. The validation assessment involved a document review of relevant documentation and on-site visit. Verification is not meant to provide any consultancy towards the project participants. However, stated requests for clarifications and/or corrective actions may have provided input for improvement.

### Conclusion

The World Bank has commissioned RINA to carry out the verification and certification of GHG removals by sink reported for the registered project activity "*Ibi Batéké degraded savannah afforestation project for fuelwood production (Democratic Republic of Congo)*" in Democratic Republic of Congo, UNFCCC reference 4176, for the monitoring period 01/07/2008 to 30/08/2018. The project was validated by ERNST & YOUNG ET ASSOCIES /32/ and it was registered on 18/02/2011.

During the monitoring period some changes occurred to the implementation of the registered CDM project activity and have been documented and assessed during the verification activity.

In conclusion, it is RINA's opinion that the project activity *Ibi Batéké degraded savannah afforestation project for fuelwood production (Democratic Republic of Congo)*, as described in the revised PDD version 2.4 of 28/04/2020, meets all relevant requirements for CDM activities and post registration changes. Hence RINA is able to validate the post registration changes as described in the following sections.

## SECTION B. Validation team, technical reviewer and approver

### B.1. Validation team member

| No. | Role  | Type of resource | Last name | First name | Affiliation<br>(e.g. name of central or other office of DOE or outsourced entity) | Involvement in       |                    |            |                       |
|-----|---|------------------|-----------|------------|---|----------------------|--------------------|------------|-----------------------|
|     |   |                  |           |            |   | Desk/document review | On-site inspection | Interviews | Verification findings |
| 1.  | Team Leader<br>Verifier<br>Technical<br>Expert TA<br>14.1 | IR               | VALOROSO  | Rita       | RINA Central<br>Office  | ✓                    | ✓                  | ✓          | ✓                     |

|    |                          |    |      |       |                     |   |  |  |   |
|----|--------------------------|----|------|-------|---------------------|---|--|--|---|
| 2. | Technical Expert TA 14.1 | EI | MASO | Daria | RINA Central Office | √ |  |  | √ |
|----|--------------------------|----|------|-------|---------------------|---|--|--|---|

**B.2. Technical reviewer and approver of the validation report on PRCs**

| No. | Role               | Type of resource | Last name | First name | Affiliation<br>(e.g. name of central or other office of DOE or outsourced entity) |
|-----|--------------------|------------------|-----------|------------|---|
| 1.  | Technical reviewer | IR               | MENON     | Rekha      | RINA India Office   |
| 2.  | Approver           | IR               | SEVERINO  | Laura      | RINA Central Office   |

**SECTION C. Means of validation****C.1. Desk/document review**

The revised PDD version 2.4 of 28/04/2020 /31/ and the supporting documents /1-37/ were assessed as part of the validation of post registration changes. Appendix 3 of this report lists all documents reviewed during the validation including CDM regulatory documents.

**C.2. On-site inspection**

| Duration of on-site inspection: 06/11/2018 to 08/11/2018 |  |                                |            |               |
|--|--|--------------------------------|------------|---------------|
| No.  | Activity performed on-site   | Site location                  | Date       | Team member   |
| 1.   | Actual implementation and operation of the project activity.   | Mbankana village<br>Ibi Estate | 06/11/2018 | Rita VALOROSO |
| 2.   | Field measurement  |                                | 07/11/2018 |               |
| 3.   | Cross-check between collected field data and calculation spreadsheet.<br>QA/QC procedures, records and storage data.<br>Measuring instruments.<br>ER calculation |                                | 08/11/2018 |               |
| 4.   | Closing meeting and communication of the assessment findings   |                                |            |               |

**C.3. Interviews**

| No. | Interviewee |            |                            | Date                           | Subject  | Team member   |
|-----|-------------|------------|----------------------------|--------------------------------|--|---------------|
|     | Last name   | First name | Affiliation                |                                |  |               |
| 1.  | SHONGO      | Roger      | Novacel through<br>GI-Agro | 06/11/2018<br>to<br>08/11/2018 | History and background of the project.   | Rita VALOROSO |
| 2.  | MBUYAMBA    | Aaron      |                            |                                |  |               |
| 3.  | BAMOLONA    | Fabrice    |                            |                                |  |               |
| 4.  | NZUMBA      | Denis      |                            |                                |  |               |
| 5.  | MAKAMBU     | Germaine   |                            |                                | Operational and management structure.  |               |
| 6.  | MULAMBA     | Nestor     |                            |                                |  |               |
| 7.  | MEKELELA    | Serge      |                            |                                |  |               |
| 8.  | NGALUNGA LU | Joseph     |                            |                                | Project starting date and start of crediting period.   |               |
| 9.  | MUTOY       | Jean       |                            |                                | Actual implementation and operation of the project activity.<br><br>QA/QC procedures.<br><br>Records and storage data.<br><br>Measuring instruments.<br><br>ER calculation.<br><br>Field measurements. |               |

**C.4. Sampling approach**

For validation of post registration changes is not applied sampling approach.

### C.5. Clarification requests (CLs), corrective action requests (CARs) and forward action requests (FARs) raised

| Areas of validation findings  | No. of CL | No. of CAR | No. of FAR |
|---|-----------|------------|------------|
| Compliance with PDD form  | /         | /          | /          |
| Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents  | /         | /          | /          |
| Corrections   | /         | /          | /          |
| Changes to the start date of the crediting period   | /         | /          | /          |
| Inclusion of a monitoring plan  | /         | /          | /          |
| Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines or other methodological regulatory documents | /         | /          | /          |
| Changes to the project design   | /         | /          | /          |
| Changes specific to afforestation and reforestation project activities  | /         | /          | /          |
| Others (please specify)   | /         | /          | /          |
| <b>Total</b>  | /         | /          | /          |

## SECTION D. Validation findings

### D.1. Compliance with PDD form

|                            |  |
|----------------------------|--|
| <b>Means of validation</b> | Comparig the revised PDD /31/ with the PDD form provided by CDM EB listed in the UNFCCC wesbsite.  |
| <b>Findings</b>            | /  |
| <b>Conclusion</b>          | The revised PDD version 2.4 of 28/04/2020 submitted for validation is in compliance with the laest PDD form (version available at UNFCCC website) and with the instruction for completing the form therein. It is also confirmed that the information transferred to PDD version 2.4 is materially the same as that in the registered PDD. |

### D.2. Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents

|                            |    |
|----------------------------|----|
| <b>Means of validation</b> | NA |
| <b>Findings</b>            |    |
| <b>Conclusion</b>          |    |

### D.3. Corrections

|                            |    |
|----------------------------|----|
| <b>Means of validation</b> | NA |
| <b>Findings</b>            |    |
| <b>Conclusion</b>          |    |

### D.4. Changes to the start date of the crediting period

|                            |    |
|----------------------------|----|
| <b>Means of validation</b> | NA |
| <b>Findings</b>            |    |
| <b>Conclusion</b>          |    |

### D.5. Inclusion of a monitoring plan

|                            |    |
|----------------------------|----|
| <b>Means of validation</b> | NA |
| <b>Findings</b>            |    |
| <b>Conclusion</b>          |    |

**D.6. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines or other methodological regulatory documents**

|                            |   |
|----------------------------|---|
| <b>Means of validation</b> | <p>The calculation sample plots spreadsheet /30/ shows that confidence level of 90% for the desired level of precision is taken into account. It is confirmed that the 51 sample plots are correctly calculated. According the guidelines on application of specified version of A/R methodologies /38/, a maximum allowable relative margin of error of the mean, for estimation of above-ground tree biomass, of +10% at 90% confidence level is allowed and replaced the methodology requirement to meet the 10% precision level at the stratum level.</p> <p>The applied methodology /6/ requires to update the stratification when unexpected disturbances and forest management activities (e.g. harvesting) occur during the crediting period. The current monitoring period uses as stratification criteria the species planted as forest management regime. The revised PDD /31/ is updated in order not to prescribe any stratification. As indicated in the guidelines for sampling and surveys, stratification does not have an impact on the estimates but it serves to reduce standard errors of the estimate. Not stratifying causes the estimate to be less precise or to require a higher sampling intensity to achieve the same level of precision. In this case the level of precision is below the 10% at 90% required by the applicable methodology.</p> |
| <b>Findings</b>            | /   |
| <b>Conclusion</b>          | <p>The applied changes fall into types of changes in registered A/R CDM project activities that does not require prior approval by the Board according the <i>Guidelines on accounting of specified types of changes in A/R CDM project activities /9/</i>. Being a minor change in A/R project, it is not requested to submit notification or request for approval but it is requested to address it through the verification stage /11/.</p>  |

**D.7. Changes to the project design**

|                            |    |
|----------------------------|----|
| <b>Means of validation</b> | NA |
| <b>Findings</b>            |    |
| <b>Conclusion</b>          |    |

**D.8. Changes specific to afforestation and reforestation project activities**

|                            |  |
|----------------------------|--|
| <b>Means of validation</b> | <p>According the registered, the original planning was to plant the whole project area from 2008 and 2012 covering 4,226.43 ha; due to adverse factors occurred in 2009, as confirmed by the PP during the on-site visit, the actual planted area stands at 1,457.54 of which 323,68 falls into the GHG removals calculation. Therefore the timing of harvest and year-wise areas planted changed. The applied change falls into types of changes in registered A/R CDM project activities that does not require prior approval by the Board according the <i>Guidelines on accounting of specified types of changes in A/R CDM project activities /9/</i>. Being a minor change in A/R project, it is not requested to submit notification or request for approval but it is requested to address it through the verification stage /11/.</p> <p>The applied methodology /6/ requires to update the stratification when unexpected disturbances and forest management activities (e.g. harvesting) occur during the crediting period. The current monitoring period uses as stratification criteria the species planted as forest management regime. The revised PDD /31/ is updated in order not to prescribe any stratification. The applied change falls into types of changes in registered A/R CDM project activities that does not require prior approval by the Board according the <i>Guidelines on accounting of specified types of changes in A/R CDM project activities /9/</i>. Being a minor change in A/R project, it is not requested to submit notification or request for approval but it is requested to address it through the verification stage /11/.</p> <p>According the registered PDD /31/ the project designed square sampling plots is of 250 m<sup>2</sup>. However, field tests have shown that measuring 36 tree locations on 250</p> |
|----------------------------|--|

|                   |   |
|-------------------|---|
|                   | m <sup>2</sup> might increase artificially the tree density above its nominal 1111 tree/ha value. Therefore, the plot size has been increased to remain conservative to 12m x 27m = 324m <sup>2</sup> with the same number of trees.  |
| <b>Findings</b>   | /   |
| <b>Conclusion</b> | The applied change falls into types of changes in registered A/R CDM project activities that does not require prior approval by the Board according the <i>Guidelines on accounting of specified types of changes in A/R CDM project activities</i> /9/. Being a minor change in A/R project, it is not requested to submit notification or request for approval but it is requested to address it through the verification stage /11/. |

### SECTION E. Internal quality control

The draft final validation report before being submitted to the client will be subjected to an independent internal technical review to confirm that all the verification activities had been completed according to the pertinent RINA instructions.

The technical review is performed by a technical reviewer qualified in accordance with RINA's qualification scheme for CDM validation and verification.

### SECTION F. Validation opinion

RINA Services Spa (RINA) has performed validation of the post registration changes reported for the project activity "*Ibi Batéké degraded savannah afforestation project for fuelwood production (Democratic Republic of Congo)*" in Democratic Republic of Congo, UNFCCC reference 4176, for the monitoring period 01/07/2008 to 30/08/2018, with regard to the relevant requirements for CDM activities. It is RINA's opinion:

- That the actual post-registration changes to the registered CDM project activity comply with the relevant CDM rules and requirements;
- That the revised PDD reflects the post-registration changes.

Due the nature of the post registration changes, it is confirmed that the actuale post-registration changes are suitable for approval under the issuance track.

## Appendix 1. Abbreviations

| Abbreviations     | Full texts   |
|-------------------|--|
| BE                | Baseline Emissions   |
| CAR               | Corrective Action Request                                    |
| CDM               | Clean Development Mechanism                                  |
| CDM M&P           | Modalities and Procedures CDM                                |
| CDM PCP           | Clean Development Mechanism Project Cycle Procedure          |
| CDM PS            | Clean Development Mechanism Project Standard                 |
| CDM VVS           | Clean Development Mechanism Validation Verification Standard |
| CER(s)            | Certified Emission Reduction(s)                              |
| CL                | Clarification Request  |
| CO <sub>2</sub>   | Carbon dioxide   |
| CO <sub>2</sub> e | Carbon dioxide equivalent                                    |
| DBH               | Diameter at breast height                                    |
| DNA               | Designated National Authority                                |
| DOE               | Designated Operational Entity                                |
| EB                | Executive Board  |
| ERs               | Emission Reduction(s)  |
| FAR               | Forward Action Request                                       |
| GIS               | Geographic Information System                                |
| GWP               | Global Warming Potential                                     |
| IPCC              | Intergovernmental Panel on Climate Change                    |
| MR                | Monitoring Report  |
| NA                | Not Applicable   |
| PDD               | Project Design Document                                      |
| PE                | Project emission   |
| PP(s)             | Project Participant(s)                                       |
| QA/QC             | Quality Assurance / Quality Control                          |
| RINA              | RINA Services S.p.A.   |
| SS                | Sectoral Scope   |
| TA                | Technical Area   |
| TBD               | To Be Defined  |
| UNFCCC            | United Nations Framework Convention on Climate Change        |

## Appendix 2. Competence of team members and technical reviewers



### CERTIFICATO DI QUALIFICA QUALIFICATION CERTIFICATE

Si attesta che il sig./sig.ra:  
We declare that Mr/Mrs/Ms:

Rita VALOROSO

è qualificato come:  
is qualified as:

CDM -TEC, -VAL, -VER, -TL  
TECHNICAL REVIEWER, REG-EXP<sup>2</sup>

per le seguenti aree tecniche:  
for the following technical areas:

1.2, 3.1, 13.1, 14.1

| AREE TECNICHE<br>TECHNICAL AREAS | DESCRIZIONE DELL'AREA TECNICA<br>TECHNICAL AREA DESCRIPTION | SCOPO SETTORIALE<br>SECTORAL SCOPE |
|----------------------------------|---|------------------------------------|
| 1.2                              | Renewables  | 1                                  |
| 3.1                              | Energy demand   | 3                                  |
| 13.1                             | Solid Waste and waste water                                 | 13                                 |
| 14.1                             | Afforestation and reforestation                             | 14                                 |

In accordo alle istruzioni dell'Unità Certification Innovation & Sustainability.  
In accordance with the instructions of the Unit Certification Innovation & Sustainability.

| REVISIONE<br>REVISION | DATA<br>DATE | MOTIVAZIONI PER LA REVISIONE<br>REASON FOR THE REVISION               |
|-----------------------|--------------|---|
| 0                     | 18-01-2010   | -   |
| 13                    | 14-11-2019   | Update qualification with "Sampling and surveys for CDM PAs and PoAs" |

Il Resp. CEINS  
Head of CEINS

#### 1 Legend:

|          |                  |                                  |
|----------|------------------|----------------------------------|
| VAL:     | Validator        | CDM: Clean Development Mechanism |
| VER:     | Verifier         | VCS: Verified Carbon Standard    |
| TEC:     | Technical Expert | GS: Gold Standard                |
| TL:      | Team Leader      | SCS: SocialCarbon Standard       |
| FIN-EXP: | Financial Expert | J: Joint Implementation          |
| DET:     | Determiner       |                                  |

2. Iran, Pakistan, Qatar; Cameroon, Congo, Ethiopia, Ghana, Madagascar, Mozambique, Niger, Nigeria, Tunisia, Uganda, South Africa, Egypt, Brazil; Albania, Bosnia-Herzegovina, Georgia, Macedonia.

RNA Services S.p.A. è accreditato da UNFCCC, quale Entità Operativa Designata (DOE), per condurre la Validazione e la Verifica di Progetti CDM, da VCSA per condurre la Validazione e la Verifica di Progetti VCS, da GS Foundation, per condurre la Validazione e la Verifica di Progetti GS, da Ecologic Institute per condurre la Validazione e la Verifica di rapporti SCS.

RNA Services S.p.A. is accredited by the UNFCCC, as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects, by the VCSA, to carry out Validation and Verification of VCS Projects, by the GS Foundation, to carry out Validation and Verification of GS Projects and by the Ecologic Institute, to carry out Validation and Verification of SCS Reports.

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**CERTIFICATO DI QUALIFICA  
QUALIFICATION CERTIFICATE**

Si attesta che il sig./sig.ra:  
We declare that Mr/Mrs/Ms:

**Daria MASO**

è qualificato come<sup>1</sup>:  
is qualified as:

**TEC**

per le seguenti aree tecniche:  
for the following technical areas:

**14.1, 15.1**

| AREE TECNICHE<br>TECHNICAL AREAS | DESCRIZIONE DELL'AREA TECNICA<br>TECHNICAL AREA DESCRIPTION | SCOPO SETTORIALE<br>SECTORAL SCOPE |
|----------------------------------|---|------------------------------------|
| 14.1                             | Afforestation and reforestation                             | 14                                 |
| 15.1                             | Agriculture   | 15                                 |

in accordo alle istruzioni dell'unità Certificazione, Innovazione e Sostenibilità.  
in accordance with the instructions of the Certification, Innovation & Sustainability Unit.

| REVISIONE<br>REVISION | DATA<br>DATE | MOTIVAZIONI PER LA REVISIONE<br>REASON FOR THE REVISION |
|-----------------------|--------------|---|
| 0                     | 29/09/2017   | First Issue   |
| 1                     | 22/01/2020   | Update qualification in TA 15.1                         |

Il Resp. CEINS  
Head of CEINS

<sup>1</sup> Legend:

VAL: Validator  
VER: Verifier  
TEC: Technical Expert  
TL: Team Leader  
FIN-EXP: Financial Expert  
DET: Determiner

CDM: Clean Development Mechanism  
VCS: Verified Carbon Standard  
GS4GG: Gold Standard For Global Goals  
SCS: SodaCarbon Standard  
JI: Joint Implementation

RINA Services S.p.A. è accreditato da UNFCCC, quale Entità Operativa Designata (DOE), per condurre la Validazione e la Verifica di Progetti CDM, da VCSA per condurre la Validazione e la Verifica di Progetti VCS, da GS Foundation, per condurre la Validazione e la Verifica di Progetti GS, da Ecologica Institute per condurre la Validazione e la Verifica di rapporti SCS

RINA Services S.p.A. is accredited by the UNFCCC, as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects, by the VCSA, to carry out Validation and Verification of VCS Projects, by the GS Foundation, to carry out Validation and Verification of GS4GG Projects and by the Ecologica Institute, to carry out Validation and Verification of SCS Reports

GHG\_QUAL\_CERT\_EN(07-2018)

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**CERTIFICATO DI QUALIFICA  
QUALIFICATION CERTIFICATE**

Si attesta che il sig./sig.ra:  
We declare that Mr/Mrs/Ms:

**Rakha MENON**

è qualificato come<sup>1</sup>:  
Is qualified as:

**CDM-TEC, -VAL, -VER, -TL  
ITRP, REG-EXP<sup>2</sup>**

per le seguenti aree tecniche:  
for the following technical areas:

**1.2, 2.1, 13.1, 13.2, 14.1**

| AREE TECNICHE<br>TECHNICAL AREAS | DESCRIZIONE DELL'AREA TECNICA<br>TECHNICAL AREA DESCRIPTION | SCOPO SETTORIALE<br>SECTORAL SCOPE |
|----------------------------------|---|------------------------------------|
| 1.2                              | Renewables  | 1                                  |
| 2.1                              | Electricity Distribution                                    | 2                                  |
| 13.1                             | Solid Waste and wastewater                                  | 13                                 |
| 13.2                             | Manure  | 13                                 |
| 14.1                             | Afforestation and reforestation                             | 14                                 |

In accordo alle istruzioni dell'Unità Certification Innovation & Sustainability.  
In accordance with the instructions of the Certification Innovation & Sustainability Unit.

| REVISIONE<br>REVISION | DATA<br>DATE | MOTIVAZIONI PER LA REVISIONE<br>REASON FOR THE REVISION               |
|-----------------------|--------------|---|
| 0                     | 06-03-2008   | -   |
| 13                    | 14-11-2019   | Update qualification with "Sampling and surveys for CDM PAs and PoAs" |

Il Resp. CEINS  
Head of CEINS

<sup>1</sup> Legend:

VAL: Validator  
VER: Verifier  
TEC: Technical Expert  
TL: Team Leader  
FIN-EXP: Financial Expert  
DET: Determiner

CDM: Clean Development Mechanism  
VCS: Verified Carbon Standard  
GS: Gold Standard  
SCS: SocialCarbon Standard  
JI: Joint Implementation

<sup>2</sup> India, Indonesia, Malaysia, Myanmar, Vietnam, Cambodia, Laos, Sri Lanka, Nepal, China, Philippines, Thailand, Iran, Congo

RINA Services S.p.A. è accreditato da UNFCCC, quale Entità Operativa Designata (DOE), per condurre la Validazione e la Verifica di Progetti CDM, da VCSA per condurre la Validazione e la Verifica di Progetti VCS, da GS Foundation, per condurre la Validazione e la Verifica di Progetti GS, da Ecologic Institute per condurre la Validazione e la Verifica di rapporti SCS

RINA Services S.p.A. is accredited by the UNFCCC, as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects, by the VCSA, to carry out Validation and Verification of VCS Projects, by the GS Foundation, to carry out Validation and Verification of GS Projects and by the Ecologic Institute, to carry out Validation and Verification of SCS Reports

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### Appendix 3. Documents reviewed or referenced

| No. | Author              | Title  | References to the document   | Provider |
|-----|---------------------|--|--|----------|
| 1   | NOVACEL SPRL        | Monitoring Report: Ibi Batéké degraded savannah afforestation project for fuel-wood production (Democratic Republic of Congo)  | Version 1.0 of 12/09/2018<br>Version 1.2 of 01/07/2019<br>Version 1.3 of 09/12/2019<br>Version 1.4 of 04/06/2020 | PP       |
| 2   | NOVACEL SPRL        | Emission reductions spreadsheet calculation:<br>Fichier_synthèse_Removals_PCI_Août2018_En.xlsx<br><br>GHG-cal-Fiche de synthèse_Inv_Déc2018-Version finale-cor.xlsx<br><br>IbiBateke_GHG-cal-Summary Sheet_Inv_Dec2019_combined.xlsx | 21/10/2018<br><br>17/05/2019<br><br>09/12/2019   | PP       |
| 3   | NOVACEL SPRL        | Carbon registry:<br>FOR MAK-01 Cubage par placette A_Août2018-version finale.xls<br>FOR MAK-01 Cubage par placette B_Août2018 version finale.xls   | 21/09/2018   | PP       |
| 4   | NOVACEL SPRL        | Quality Manual   | Version 1.0 of 11/2009   | PP       |
| 5   | NOVACEL SPRL        | Internal procedure:<br>FI CQSS-02 Marquage des placettes pour la biomasse existante (Plot marking for the existing biomass)  | Version 1.0 of 11/03/2010  | PP       |
| 6   | CDM Executive Board | AR-ACM0001 Afforestation and reforestation of degraded land  | Version 03   | Others   |
| 7   | CDM Executive Board | Methodological tool Estimation of carbon stocks and change in carbon stocks of trees and shrubs in A/R CDM project activities  | Version 03.0.0 of 23/11/2012   | Others   |
| 8   | CDM Executive Board | A/R Methodological Tool Calculation of the number of sample plots for measurements within A/R CDM project activities   | Version 02.1.0 of 26/11/2010   | Others   |
| 9   | CDM Executive Board | Guidelines on accounting of specified types of changes in A/R CDM project activities from the description in registered project design documents.  | EB63 Annex 27<br>Version 01.0 of 29/09/2011  | Others   |
| 10  | CDM Executive Board | Monitoring report form for CDM project activity (CDM-MR-FORM)  | Version 06.0 of 07/06/2017<br>Version 07.0 of 31/05/2019   | Others   |
| 11  | CDM Executive Board | CDM project standard for project   | Version 01.0 of  | Others   |

|    |                     |   |   |        |
|----|---------------------|---|---|--------|
|    | Board               | activities  | 03/03/2017 (version available at the time of verification commencement)<br>Version 02.0 of 29/11/2018 (latest version available at the time of verification ending) |        |
| 12 | CDM Board Executive | Sampling and surveys for CDM project activities and programme of activities.  | Version 07.0 of 04/05/2017  | Others |
| 13 | CDM Board Executive | A/R Methodological tool Demonstrating appropriateness of allometric equations for estimation of aboveground tree biomass in A/R CDM project activities. | Version 01.0.0 of 25/11/2011  | Others |
| 14 | CDM Board Executive | CDM validation and verification standard for project activities.  | Version 02.0 of 29/11/2018 (latest version available at the time of verification ending)  | Others |
| 15 | Web site            | Sample size calculator<br><a href="http://www.calculator.net/sample-size-calculator.html">http://www.calculator.net/sample-size-calculator.html</a>     | English language – website visited on 28/03/2018.   | Others |
| 16 | NOVACEL SPRL        | Internal procedure:<br>FI CQSS-06 Etalonnage d'un ruban pour la mesure del longuerus (Calibration of tape for the height measurement)                   | Version 1.0   | PP     |
| 17 | NOVACEL SPRL        | Internal procedure:<br>FI CQSS Etalonnage de la balance digitale (Calibration of the digital weight).   | Version 1.0   | PP     |
| 18 | NOVACEL SPRL        | Internal procedure:<br>CQSS-06 Mesure de la biomasse aerienne (Biomass measurement)   | Version 1.0   | PP     |
| 19 | NOVACEL SPRL        | Internal procedure:<br>CQSS-07 Etalonnage des équipements de monitoring (Calibration of monitoring equipment)   | Version 1.0   | PP     |
| 20 | NOVACEL SPRL        | Composition of the field teams who carried out the forestry inventory   | 02/11/2018  | PP     |
| 21 | OREADE-BRECHE       | Environmental impact assessment   | /   | PP     |
| 22 | NOVACEL SPRL        | Internal procedure:<br>FI CQSS-10 Fixation au sol d'un point georéférence (Ground fixing of a georeference point)                                       | Version 1.0   | PP     |
| 23 | NOVACEL SPRL        | Internal procedure:<br>FI CQSS-03 Mesure d'un arbre pour la biomasse existante (Tree measurement)   | Version 1.0   | PP     |
| 24 | NOVACEL SPRL        | Internal procedure:<br>FI CQSS-08 Relevé des coordonnées géographiques (Geographic coordinates determination)   | Version 1.0   | PP     |
| 25 | NOVACEL SPRL        | Plot map<br>Carte des Placettes S (16) 2012-09-07 final.xlsx  | 24/07/2018  | PP     |

|    |  |   |   |        |
|----|--|---|---|--------|
| 26 | NOVACEL SPRL   | Species planted per plot<br>Essences dans les blocs - v8  | 24/07/2018  | PP     |
| 27 | DEMOCRATIC<br>REPUBLIC OF<br>CONGO                     | Land concession   | Prot. 2491/161/2008 of<br>07/08/2008                    | PP     |
| 28 | NOVACEL SPRL   | Field data sheet monitoring carried<br>out 08/2018  |   | PP     |
| 30 | NOVACEL SPRL   | Sample plot calculation<br>sample_plots_230718_final.xls  | 23/07/2018  | PP     |
| 31 | NOVACEL SPRL   | PDD Ibi Batéké degraded<br>savannah afforestation project for<br>fuel-wood production (Democratic<br>Republic of Congo)   | Version 2 of 21/02/2018<br>Version 2.4 of<br>28/04/2020 | Others |
| 32 | ERNST&YOUNG<br>et Associés                             | Validation Report   | 01/12/2010  | Others |
| 33 | FOREST<br>ECOLOGY AND<br>MANAGEMENT                    | Age-related equations for above<br>and below-ground biomass   | 2004  | PP     |
| 34 | NOVACEL SPRL   | Number of feet per hectare<br>Nombre de pieds par<br>hectare2018.xlsx   | 08/07/2019  | PP     |
| 35 | SALVA TERRA  | Biodiversity programme report<br>(Carbonisation et<br>commercialisation du makala<br>produit à partir des plantations<br>commerciales du Puits de carbone<br>agroforestier d'Ibi Batéké en<br>périphérie de Kinshasa,<br>République Démocratique du<br>Congo) | 12/2014   | PP     |
| 36 | F. BERNHARD-<br>REVERSAT; D.<br>DIANGANA; M.<br>TSATSA | Source for allometric equation<br>(Biomass, minéralomasse et<br>productivité en plantation d'acacia<br>mangium)   | 1993  | PP     |
| 37 | CDM Executive<br>Board                                 | AR-TOOL 14 methodological tool:<br>estimation of carbon stocks and<br>change in carbon stocks of trees<br>and shrubs in A/R CDM project<br>activities.  | Version 03.0.0 of<br>23/11/2012                         | Other  |
| 38 | CDM Executive<br>Board                                 | Guidelines on application of<br>specified versions of A/R CDM<br>methodologies in verification of<br>registered A/R CDM project<br>activities   | Version 01.1 of<br>20/07/2012.                          |        |

## Appendix 4. Clarification requests, corrective action requests and forward action requests

Table 1. CLs from this validation

|   |    |             |  |                  |
|---|----|-------------|--|------------------|
| CL ID   | xx | Section no. |  | Date: DD/MM/YYYY |
| Description of CL                             |    |             |  |                  |
|   |    |             |  |                  |
| Project participant response                  |    |             |  | Date: DD/MM/YYYY |
|   |    |             |  |                  |
| Documentation provided by project participant |    |             |  |                  |
|   |    |             |  |                  |
| DOE assessment                                |    |             |  | Date: DD/MM/YYYY |
|   |    |             |  |                  |

Table 2. CARs from this validation

|   |    |             |  |                  |
|---|----|-------------|--|------------------|
| CAR ID  | xx | Section no. |  | Date: DD/MM/YYYY |
| Description of CAR                            |    |             |  |                  |
|   |    |             |  |                  |
| Project participant response                  |    |             |  | Date: DD/MM/YYYY |
|   |    |             |  |                  |
| Documentation provided by project participant |    |             |  |                  |
|   |    |             |  |                  |
| DOE assessment                                |    |             |  | Date: DD/MM/YYYY |
|   |    |             |  |                  |

Table 3. FARs from this validation

|   |    |             |  |                  |
|---|----|-------------|--|------------------|
| FAR ID  | xx | Section no. |  | Date: DD/MM/YYYY |
| Description of FAR                            |    |             |  |                  |
|   |    |             |  |                  |
| Project participant response                  |    |             |  | Date: DD/MM/YYYY |
|   |    |             |  |                  |
| Documentation provided by project participant |    |             |  |                  |
|   |    |             |  |                  |
| DOE assessment                                |    |             |  | Date: DD/MM/YYYY |
|   |    |             |  |                  |

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**Document information**

| <i>Version</i>   | <i>Date</i>     | <i>Description</i>   |
|--|-----------------|--|
| 03.0   | 31 May 2019     | Revision to: <ul style="list-style-type: none"><li>• Ensure consistency with version 02.0 of the “CDM validation and verification standard for project activities” (CDM-EB93-A05-STAN);</li><li>• Make editorial improvements.</li></ul> |
| 02.0   | 31 October 2017 | Revision to align with the requirements in the “CDM validation and verification standard for project activities” (version 01.0).   |
| 01.0   | 23 March 2015   | Initial publication.   |
| Decision Class: Regulatory<br>Document Type: Form<br>Business Function: Registration<br>Keywords: post-registration change, project activities, validation |                 |  |