
	Validation report form for post-registration changes for CDM project activities (Version 03.0)
<i>Complete this form in accordance with the instructions attached at the end of this form.</i>	
BASIC INFORMATION	
Title and UNFCCC reference number of the project activity	Moldova Soil Conservation Project UNFCCC ID: 1948
Process track	<input type="checkbox"/> Prior approval <input checked="" type="checkbox"/> Issuance <input type="checkbox"/> Renewal of crediting period
Version number of the validation report	Version 03.1
Completion date of the validation report	18/05/2020
Type(s) of PRCs	<input type="checkbox"/> Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents ¹ <input type="checkbox"/> Corrections <input type="checkbox"/> Changes to the start date of the crediting period <input type="checkbox"/> Inclusion of a monitoring plan <input 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 <input type="checkbox"/> Changes to the project design <input checked="" type="checkbox"/> Changes specific to afforestation and reforestation project activities
Version number of PDD to which this report applies	Not Applicable for A/R CDM project activities
Project participants	Republic of Moldova: Moldsilva, State Forest Agency Other participants: Netherlands: International Bank for Reconstruction and Development (IBRD) as Trustee of the Prototype Carbon Fund (PCF); Sweden: International Bank for Reconstruction and Development (IBRD) as Trustee of the Prototype Carbon Fund (PCF); France: Eco-Carbone; Italy: Government of Italy - Ministry for the Environment,

¹ 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).

	<p>Land and Sea; International Bank for Reconstruction and Development (IBRD) as Trustee of the BioCarbon Fund (BioCF);</p> <p>Japan: Idemitsu Kosan Co., Ltd.; Japan Petroleum Exploration Co., Ltd.; The Japan Iron and Steel Federation; Sumitomo Chemical; Sumitomo Joint Electric Power Co., Ltd; The Okinawa Electric Power Co., Inc. ; Tokyo Electric Power Company Holdings, Inc.; Suntory Holdings Limited;</p> <p>Luxembourg: Government of Luxembourg - Ministry of the Environment, Climate and Sustainable Development;</p> <p>Spain: Kingdom of Spain – Ministry for the Ecological Transition & Ministry of Economy and Business;</p> <p>Finland: International Bank for Reconstruction and Development (IBRD) as Trustee of the Prototype Carbon Fund (PCF)</p> <p>United Kingdom of Great Britain and Northern Ireland: BP Alternative Energy International Ltd; Deutsche Bank AG.</p>
Host Party	Republic of Moldova
Applied methodologies and standardized baselines	CDM Methodology: "Restoration of degraded lands through afforestation/reforestation" (AR-AM0002), Version 01
Mandatory sectoral scopes	Scope: 14 (Afforestation and reforestation)
Conditional sectoral scopes, if applicable	N/A
Name and UNFCCC reference number of the DOE	TÜV NORD CERT GmbH (E-022)
Name, position and signature of the approver of the validation report	 Stefan Winter, Final Approver

SECTION A. Executive summary

Essential data of the project is presented in the following Table 2-1.

Table 1: Project Characteristics

Item	Data	
Project title	Moldova Soil Conservation Project	
Project type	<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> PoA
Project size	<input checked="" type="checkbox"/> Large Scale	<input type="checkbox"/> Small Scale
Technical Area(s)	14.1: Afforestation	
Location	Republic of Moldova	
Crediting period	<input checked="" type="checkbox"/> Renewable Crediting Period (20y) <input type="checkbox"/> Fixed Crediting Period (30 y)	

For a detailed project description please refer to the the latest verification report (to which this report is attached).

SECTION B. Validation team, technical reviewer and approver

On the basis of a competence analysis and individual availabilities an assessment team, consistent of one team leader and 1 additional team members, were appointed. Furthermore also the personnel for the technical review and the final approval were determined.

The list of involved personnel, the tasks assigned and the qualification status are summarized in the following table below.

B.1. Validation team member

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk review	On-site inspection	Interview(s)	Verification findings
1.	Team Leader /Verifier	ER	Kochaniewicz	Grzegorz	ETE	x	x	x	x
2.	Verifier	IR	Sud	Evgeni	TÜV NORD CERT	x	x	x	-

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

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical reviewer/ Approver	IR	Winter	Stefan	TÜV NORD CERT
2.	Observer review	EI	G.	Ezhilarazu	TUV India Pvt. Ltd.
3.	Technical Expert to TR	IR	Nuske	Alexandra	TÜV NORD CERT

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

The *assessment of post registration changes* consisted of the following steps:

- Appointment of team members and technical reviewers
- A desk review of the registered and revised PDD/^{PDD}/ submitted by the client and additional supporting documents
- On-Site assessment (if required)
- Background investigation and follow-up interviews with personnel of the project developer and its contractors,
- Resolution of corrective actions (CARs / CLs) (if any)
- Final reporting
- Technical review
- Final approval.

A list all documents reviewed or referenced during this validation is presented in Appendix 3 below.

C.2. On-site inspection

Duration of on-site inspection: 19/06/2017 to 21/06/2017				
No.	Activity performed on-site	Site location	Date	Team member
1.	Opening Meeting (Chisinau office) <ul style="list-style-type: none"> ▪ Introduction of auditor and audit representatives, ▪ Audit objective, ▪ Schedule discussion/remarks, ▪ Update to the project during the monitoring period, ▪ Procedural questions, Documents review: <ul style="list-style-type: none"> ▪ GIS maps (stratification, sampling, boundary), ▪ Sampling design, 	PP office	19/06/2017	Grzegorz Kochanewicz Evgeni Sud
2.	Field inspection. Random boundary and sample plot re-measurement (GPS coordinates, plot size, DBH, species determination)	Plantations	20/06/2017 and 21/06/2017	Grzegorz Kochanewicz Evgeni Sud
3.	Document review and interviews at PP office, Findings discussion	PP office	21/06/2017	Grzegorz Kochanewicz Evgeni Sud

C.3. Interviews

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Talmaci	Ion	Deputy Director/FRMJ	19-21/06/2017	All subjects, project implementation, update, data collection and processing, ER calculation and reporting	Grzegorz Kochanewicz Evgeni Sud
2.	Efalupor	D	Manager/ICAS	19-21/06/2017		
3.	Spitoc	Liliana	Head of Section/ICAS	19-21/06/2017		
4.	Castin	Valeriu	Deputy Director/ICAS	19-21/06/2017		
5.	Galypa	Alexandru	Engineer/ ICAS	19-21/06/2017	Filed inspection. Random boundary and sample plot re-measurement (GPS coordinates, plot seize, DBH, species determination)	
6.	Odanic	Vasili	Engineer/ ICAS	19-21/06/2017		
7.	Rotari	Maxim	Engineer/ ICAS	19-21/06/2017		
8.	Gorea	Vasile	Engineer/ ICAS	19-21/06/2017		
9.	Minef	Cz.	gef/ ICAS	19-21/06/2017		
10.	Gajoevru	Ihi	gef/ ICAS	19-21/06/2017		
11.	Yesyrkonev	Yevgen	Consultant/Wo rld Bank	19-21/06/2017	All subjects, project implementation, update, data collection and processing, ER calculation and reporting	

C.4. Sampling approach

Sampling by Project Proponent

<input type="checkbox"/>	No sampling approach has been used by the PP to determine the monitored parameters				
<input checked="" type="checkbox"/>	A sampling approach has been taken for the following monitored parameter(s):				
	Parameter	Sampling approach ¹⁾	Sampling Type ²⁾	Population	Sample Size
	<i>Height of the Tree (H)</i>	StRS	PS	811,596	213
	<i>Diameter at Breast Height (DBH)</i>	StRS	PS	811,596	213
	<i>Collar diameter for shrubs (DCH)</i>	StRS	PS	811,596	213
	<i>Standing Deadwood</i>	StRS	PS	811,596	213
	<i>Lying Deadwood</i>	StRS	PS	811,596	213
	<i>Litter</i>	StRS	PS	811,596	639

1) Sampling Approaches:

SiRS: Simple Random Sampling
 StRS: Stratified Random Sampling
 SS: Systematic Sampling
 CS: Cluster Sampling
 MSS: Multi-stage Sampling

2) Sampling Types:

PS Parameter Sampling

Sampling approaches during verification

<input type="checkbox"/>	No sampling approach has been used by the PP to determine the monitored parameters				
<input checked="" type="checkbox"/>	A sampling approach has been taken for the following monitored parameter(s):				
	Parameter	Sampling approach ¹⁾	Sampling Type ²⁾	Population	Sample Size
	Area of stratum i, stand model k, at time t (A_{ikt});	SiRS	PS	2421 single plots in 16 Strata	22 boundaries in field and 50 boundaries/ areas in Google Earth
	Sample plot area (AP);	SiRS	PS	213 Plots in 16 Strata	10 Physical re-measured Sample Plots, 10 Sample Plots checked for consistency via desk-review
	Number of trees on plot (tr ID);	SiRS	PS	213 Plots in 16 Strata	
	Location of sample plots (Latitude/longitude);	SiRS	PS	213 Plots in 16 Strata	
	Tree species j in the sample plot	SiRS	PS	213 Plots in 16 Strata	
	Standing dead wood of species j;	SiRS	PS	213 Plots in 16 Strata	
	Lying deadwood of species j;	SiRS	PS	213 Plots in 16 Strata	
	Measurement of DBH, DCH	SiRS	PS	213 Plots in 16 Strata	
	Wet weight of the litter sample	SiRS	PS	213 Plots in 16 Strata	

1) Sampling Approaches:

SiRS: Simple Random Sampling
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 MSS: Multi-stage Sampling

2) Sampling Types:

PS Parameter Sampling

During the on-site verification, a sampling approach has been used by the verification team to verify the reported values for the monitored parameters listed above, with reasonable efforts from the original data level to the reporting level.

The sampling approach as per IAF Guidance on the Application of ISO/IEC Guide 66 - G.5.3.12. : $x = \sqrt{y}$ Where x =sample and y =sample group is used. So the minimum required is 15. Verification team

physically visited and remeasured 10 and checked additionally 10 sample plots for inconsistencies via desk-review. Moreover the location of 22 boundaries were checked. Additional boundaries were checked via Google Earth. The location and size were checked and full measurement of DBH/DCH, tree species, shrub and wet weight of litter were sampled. The measured data was crosschecked with the provided original data.

Thus sampling approach is conducted according with "Guidelines for Sampling and Surveys for CDM Project Activities and Programme Activities" and the "Standard for Sampling and Surveys for CDM Project Activities and Programme Activities". As the population is relatively homogeneous with respect to the object of the sampling effort, simple random sampling method with accepted sampling is adopted for verification of the parameters

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)	-	-	-
Total	-	-	-

SECTION D. Validation findings

D.1. Compliance with PDD form

Means of validation	As per the mail communication to the DOE from UNFCCC a revised PDD is not required to be submitted for the changes related to A/R CDM projects
Findings	-
Conclusion	Updated PDD not required for A/R CDM projects.

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

Means of validation	Type of change(s):	<input type="checkbox"/>	<i>Temporary Deviation from Monitoring Plan, applied methodologies, standardized baselines or other methodological regulatory documents</i>	
		<input type="checkbox"/>	<i>Temporary Deviation from Monitoring Methodology</i>	
	Description of post registration change			
	Start Date: Please provide the start date of the change	-	End Date: Please provide the end date of the change, if applicable	-
	Description: Please give a detailed description of the change(s)	-		
	Accuracy:	-		

	Please give a detailed assessment whether the deviation is likely to lead to a reduction in the accuracy of the ER calculation.	
	Conservative-ness: Please give a detailed assessment whether conservative assumptions or discount factors have been applied to ensure that ER will not be overestimated.	-
	Appendix to PS: Check if the changes fall under one of the scenarios of appendix to the PS.	-
Findings	-	
Conclusion	-	

D.3. Corrections

Means of validation	Description of post registration change: Not applicable.		
	Start Date: Please provide the start date of the change	-	End Date: Please provide the end date of the change, if applicable
	Description: Please give a detailed description of the change(s)	-	
	Assessment of post registration change – Corrections		
	Accuracy: Please give a detailed assessment whether the deviation is likely to lead to a reduction in the accuracy of the ER calculation.	-	
	Conservative-ness: Please give a detailed assessment whether conservative assumptions or discount factors have been applied to ensure that ER will not be overestimated.	-	
	Appendix 1 PS: Check if the changes fall under one of the scenarios of appendix 1 of the PS.	-	
Findings			
Conclusion	Based on the above stated the corrections to the registered PDD are in accordance with applicable validation requirements related to the corrections in the VVS.		
	Revised PDD		
	Rev. of PDD: Check whether the changes have been fully addressed in a revised PDD.	<input type="checkbox"/> The changes have correctly been reflected in the revised PDD. <input type="checkbox"/> A revision of the PDD is not required (in case of temp. changes).	

	<input type="checkbox"/>	The revised PDD has been forwarded in (i) track-change and (ii) clean version.
	Prior Approval	
	<input type="checkbox"/>	The post registration change requires prior approval
	<input type="checkbox"/>	The post registration change does not require prior approval
Prior approval: Assess whether the change requires prior approval of the board		

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

Means of validation	Description of post registration change: Not applicable.			
	Start Date: Please provide the registered start date of the CP.	DD/MM/YYYY	Revised Start Date: Please provide the proposed revised start date of the CP	DD/MM/YYYY
	Description: Please give a detailed description /reasoning of the requested revision of CP starting date:	n.a.		
	LDC: Please check if the host country is an LDC. In case of LDCs the timeframes of the below defined categories are to be doubled.	<input type="checkbox"/>	The host country is a LDC	
		<input type="checkbox"/>	The host country is not a LDC	
	Categories: Please check under which category - as defined below – the requested changes fall. In case of LDCs the timeframes are to be doubled.	<input type="checkbox"/>	Category A: $> \pm 2$ a	
		<input type="checkbox"/>	Category B: $< \pm 1$ a; not before registration date	
		<input type="checkbox"/>	Category C: $(SD_{old} \pm 1 \text{ a}) \leq SD_{new} \leq (SD_{old} \pm 2 \text{ a})$	
	Assessment of post registration change			
	Cat. A: $> \pm 2$ a Changes of start date of more than 2 years (4 years for LDCs) are not allowed as per the PS.	<input type="checkbox"/>	The change is a cat. A case. The change of the CP start date as requested by the PP is not allowed as per the PS. Thus a corresponding CAR has been raised.	
	Cat. B: $< \pm 1$ a Prior notification is not required if changes of less than 1 year are requested. The CP start date shall not be earlier than the date of the project registration.	<input type="checkbox"/>	The change is a cat. B case. The proposed new CP start date differs less than ± 1 year (2 years in case of LDCs) from the registered CP start date. Furthermore it is confirmed that the proposed new CP start date is not before the registration date of the PA. Thus a prior approval is not required.	
	Cat. B: $\pm 1 \text{ a} < SD < \pm 2 \text{ a}$ Check whether the project falls under this category. If yes prior approval is required. The assessment team shall assess on the basis of a demonstration by the PPs whether the conservativeness of the baseline is not affected by changes	<input type="checkbox"/>	The change is a cat. C case.	
	<input type="checkbox"/>	The PPs have provided the assessment team with a sufficient demonstration regarding (i) potential effects on the baseline and (ii) progress made to start the project.		
	<input type="checkbox"/>	On the basis of a detailed analysis of the PP's demonstration as well as background investigation (incl. on-site inspection) the assessment team confirms that no changes have occurred to the PA which would result in a less conservative baseline. This assessment is based on the following considerations:		

	that have occurred in-between. Further it has to be assessed, whether substantive progress has been made by the PPs to start the project activity.	<input type="checkbox"/>	< further details > On the basis of a detailed analysis of the PP's demonstration as well as background investigation (incl. on-site inspection) the assessment team confirms that substantive progress has been made by the PPs to start the PA. This assessment is based on the following considerations: < further details >															
Findings																		
Conclusion	Based on the assessment above the changes to the start date of the crediting period are in accordance with applicable validation requirements related to the changes to the start date of the crediting period in the VVS.																	
	Revised PDD <table border="1"> <tr> <td>Rev. of PDD: Check whether the changes have been fully addressed in a revised PDD.</td><td><input type="checkbox"/></td><td>The changes have correctly been reflected in the revised PDD.</td></tr> <tr> <td></td><td><input type="checkbox"/></td><td>A revision of the PDD is not required (in case of temp. changes).</td></tr> <tr> <td></td><td><input type="checkbox"/></td><td>The revised PDD has been forwarded in (i) track-change and (ii) clean version.</td></tr> </table> Prior Approval <table border="1"> <tr> <td>Prior approval: Assess whether the change requires prior approval of the board</td><td><input type="checkbox"/></td><td>The post registration change requires prior approval</td></tr> <tr> <td></td><td><input type="checkbox"/></td><td>The post registration change does not require prior approval</td></tr> </table>			Rev. of PDD: Check whether the changes have been fully addressed in a revised PDD.	<input type="checkbox"/>	The changes have correctly been reflected in the revised PDD.		<input type="checkbox"/>	A revision of the PDD is not required (in case of temp. changes).		<input type="checkbox"/>	The revised PDD has been forwarded in (i) track-change and (ii) clean version.	Prior approval: Assess whether the change requires prior approval of the board	<input type="checkbox"/>	The post registration change requires prior approval		<input type="checkbox"/>	The post registration change does not require prior approval
Rev. of PDD: Check whether the changes have been fully addressed in a revised PDD.	<input type="checkbox"/>	The changes have correctly been reflected in the revised PDD.																
	<input type="checkbox"/>	A revision of the PDD is not required (in case of temp. changes).																
	<input type="checkbox"/>	The revised PDD has been forwarded in (i) track-change and (ii) clean version.																
Prior approval: Assess whether the change requires prior approval of the board	<input type="checkbox"/>	The post registration change requires prior approval																
	<input type="checkbox"/>	The post registration change does not require prior approval																

D.5. Inclusion of a monitoring plan

Means of validation	Description of post registration change: Not applicable.			
	Start Date: Please provide the start date of the change	DD/MM/YYYY	End Date: Please provide the end date of the change, if applicable	DD/MM/YYYY
	Description: Please give a detailed description of the change(s)	n.a.		
	Assessment of post registration change – Inclusion of a MP			
	MM compliance: Please check in case of changes to the registered MP, whether they are in compliance with the MM.			
	Later version of MM: Please check in cases where compliance with a later version of the MM is demonstrated that the conservativeness of the monitoring and verification is not affected.			
	Accuracy: Please give a detailed assessment whether the deviation is likely to lead to a reduction in the accuracy of the ER calculation.			
	Conservative-			

	ness: Please give a detailed assessment whether conservative assumptions or discount factors have been applied to ensure that ER will not be overestimated.		
	Appendix 1 PS: Check if the changes fall under one of the scenarios of appendix 1 of the PS.		
Findings			
Conclusion	Based on the above stated the inclusion of a monitoring plan to the registered project activity is in accordance with applicable validation requirements related to the inclusion of a monitoring plan to a registered project activity in the VVS.		
	Revised PDD		
	Rev. of PDD: Check whether the changes have been fully addressed in a revised PDD.	<input type="checkbox"/> The changes have correctly been reflected in the revised PDD. <input type="checkbox"/> A revision of the PDD is not required (in case of temp. changes). <input type="checkbox"/> The revised PDD has been forwarded in (i) track-change and (ii) clean version.	
	Prior Approval		
	Prior approval: Assess whether the change requires prior approval of the board	<input type="checkbox"/> The post registration change requires prior approval <input type="checkbox"/> The post registration change does not require prior approval	

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

Means of validation	Type of change(s):	<input type="checkbox"/> Permanent Change from Monitoring Plan <input type="checkbox"/> Permanent Change from Monitoring Methodology		
	Description of post registration changes			
	Start Date: Please provide the start date of the change	DD/MM/YYYY	End Date: Please provide the end date of the change, if applicable	DD/MM/YYYY
	Description: Please give a detailed description of the change(s)	n.a.		
	Assessment of post registration change – Permanent changes from MP or MM			
	MM compliance: Please check in case of changes to the registered MP, whether they are in compliance with the MM.			
	Later version of MM:			

	Please check in cases where compliance with a later version of the MM is demonstrated that the conservativeness of the monitoring and verification is not affected.																				
	Accuracy: Please give a detailed assessment whether the deviation is likely to lead to a reduction in the accuracy of the ER calculation.																				
	Conservative-ness: Please give a detailed assessment whether conservative assumptions or discount factors have been applied to ensure that ER will not be overestimated.																				
	Appendix 1 PS: Check if the changes fall under one of the scenarios of appendix 1 of the PS.																				
Findings		-																			
Conclusion		Based on the above stated the permanent changes from the registered monitoring plan, applied monitoring methodology and/or applied standardized baseline are in accordance with applicable validation requirements related to the permanent changes from the registered monitoring plan, monitoring methodology and/or standardized baseline in the VVS.																			
		<table border="1"> <tr> <td colspan="3">Revised PDD</td> </tr> <tr> <td rowspan="3"> Rev. of PDD: Check whether the changes have been fully addressed in a revised PDD. </td> <td><input type="checkbox"/></td> <td>The changes have correctly been reflected in the revised PDD.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>A revision of the PDD is not required (in case of temp. changes) for A/R CDM Projects</td> </tr> <tr> <td><input type="checkbox"/></td> <td>The revised PDD has been forwarded in (i) track-change and (ii) clean version.</td> </tr> <tr> <td colspan="3">Prior Approval</td> </tr> <tr> <td rowspan="2"> Prior approval: Assess whether the change requires prior approval of the board </td> <td><input type="checkbox"/></td> <td>The post registration change requires prior approval</td> </tr> <tr> <td><input type="checkbox"/></td> <td>The post registration change does not require prior approval</td> </tr> </table>		Revised PDD			Rev. of PDD: Check whether the changes have been fully addressed in a revised PDD.	<input type="checkbox"/>	The changes have correctly been reflected in the revised PDD.	<input type="checkbox"/>	A revision of the PDD is not required (in case of temp. changes) for A/R CDM Projects	<input type="checkbox"/>	The revised PDD has been forwarded in (i) track-change and (ii) clean version.	Prior Approval			Prior approval: Assess whether the change requires prior approval of the board	<input type="checkbox"/>	The post registration change requires prior approval	<input type="checkbox"/>	The post registration change does not require prior approval
Revised PDD																					
Rev. of PDD: Check whether the changes have been fully addressed in a revised PDD.	<input type="checkbox"/>	The changes have correctly been reflected in the revised PDD.																			
	<input type="checkbox"/>	A revision of the PDD is not required (in case of temp. changes) for A/R CDM Projects																			
	<input type="checkbox"/>	The revised PDD has been forwarded in (i) track-change and (ii) clean version.																			
Prior Approval																					
Prior approval: Assess whether the change requires prior approval of the board	<input type="checkbox"/>	The post registration change requires prior approval																			
	<input type="checkbox"/>	The post registration change does not require prior approval																			

D.7. Changes to the project design

Means of validation	Type of change(s):	<input type="checkbox"/>	Changes to the project design
		<input type="checkbox"/>	Changes to the PoA design

	Description of post registration change			
	Start Date: Please provide the start date of the change		End Date: Please provide the end date of the change, if applicable	
	DD/MM/YYYY		DD/MM/YYYY	
	Description: Please give a detailed description of the change(s)		n.a.	
	Applicability and application of the Approved Baseline Methodology			
	Description: Please give a detailed description on how the changes affect the applicability and application of the approved Baseline Methodology. Check if the actual changes would adversely affect the conclusions during validation.			
	Additionality assessment			
	Description: Please give a detailed description re-assessment of additionality, Check whether the actual changes would adversely affect the conclusions during validation. If required please make use of the assessment tables in the annex.			
	Scale of the Project activity			
	Description: Please give a detailed regarding the effect of the changes on the scale of the PA (i.e. LSC or SSC).			
Revised PDD				

	Rev. of PDD: Check whether the changes have been fully addressed in a revised PDD. In this context pl. refer to <ul style="list-style-type: none"> - Changes in the effective output capacity. - Addition of components or extension of technology - In case of multiple site projects: Removal or addition of sites - Operational parameters under the control of PPs differing from expected parameters - Changes to the baseline Meth (e.g. addition of a new Meth or change of the BL scenario. - Effects with regards to B, C and D above incl. compliance with the MP and level of accuracy and completeness of monitoring. 	<input type="checkbox"/>	The post registration change has correctly been reflected in the revised PDD. This assessment is based on the following considerations: < further details >
Findings			
Conclusion	Based on the above the changes to the project design of a registered project activity are in accordance with applicable validation requirements related to the changes to the project design of a registered project activity in the VVS.		
	Traceability: Check if the PPs have provided a revised PDD in both clean and track-change version.	<input type="checkbox"/>	The revised PDD has been forwarded in (i) track-change and (ii) clean version.
	Prior approval: Assess whether the change requires prior approval of the board	<input type="checkbox"/>	The changes do not raise concerns with respect to aspects outlined in the PS: <ul style="list-style-type: none"> a. applicability and application of the Approved Baseline Methodology under which the project activity has been registered. b. additionality of the project c. scale of the CDM project activity and Prior Approval by the Board is not required.
		<input type="checkbox"/>	The post registration change requires prior approval.

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

Means of validation	The following CsARPA for which “Guidelines on accounting of specified types of changes in A/R CDM project activities from the description in registered project design documents, Version 02.0”(EB 66, Annex 24) is applicable have been applied: 1. Changes in stratification for sampling. The ex post stratification has been implemented taking into account site conditions, planting time, growth rates of species and other location specific factors. Assessment: In line with EB66, Annex 24: Due to low growth on some planted areas following part-replanting an re-
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stratification was necessary.

2. Changes in extent of soil disturbance in site preparation, if the related emissions are estimated at verification using Equation (2) of the “Tool for estimation of change in soil organic carbon stocks due to the implementation of A/R CDM project activities” and are accounted for as project emissions.

Assessment: In line with EB66, Annex 24:

Project emissions due to soil disturbance during planting for planting areas were deducted from the soil carbon in the year of planting. For further details pls. refer to CAR 12 in the Final verification report attached with this report. The changes are identified as minor in nature and it is conservative and do not require prior approval by the EB.

The changes specific to afforestation and reforestation project activities are in line EB 66 Annex 24 para (p). The changes are identified as minor in nature and do not require prior approval by the EB.

The following CsARPA for which “Guidelines on application of specified versions of A/R CDM methodologies in verification of registered A/R CDM project activities” (Version 01.1) (EB68, Annex31)” is applicable have been applied:

1. Monitoring of data and parameters.

Only the data and parameters required to be monitored in the methodological tool “Estimation of carbon stocks and change in carbon stocks of trees and shrubs in A/R CDM project activities” were measured.

Assessment: In line with EB68, Annex31:

(i) Only data and parameters obtained from field measurement are required to be monitored;

(ii) Monitoring is not required for data, parameters, or variables appearing as intermediate values in calculation steps and those taken from existing sources (e.g. published literature);

2. Sampling design, sample plot lay-out, and marking of permanent sample plots.

The maximum allowable relative margin of error of the mean, for estimation of above ground tree biomass, of $\pm 10\%$ at 95% confidence level was applied.

Assessment: In line with EB68, Annex31:

A maximum allowable relative margin of error of the mean, for estimation of above ground tree biomass, of $\pm 10\%$ at 90% confidence level shall be allowed.

3. Field measurement of soil organic carbon.

“Tool for estimation of change in soil organic carbon stocks due to the implementation of A/R CDM project activities”, version 01.1.0² was used for estimation of changes in soil organic carbon pool.

Assessment: In line with EB68, Annex31:

Instead of field measurement of soil organic carbon, the “Tool for estimation of change in soil organic carbon stocks due to the implementation of A/R CDM project activities” shall be used for areas which meet the applicability conditions of the tool.

4. Clearance or burning of herbaceous vegetation.

The loss of carbon in living herbaceous vegetation was not accounted for.

Assessment: In line with EB68, Annex31:

Changes in carbon stocks resulting from clearance of herbaceous vegetation shall

²<https://cdm.unfccc.int/methodologies/ARmethodologies/tools/ar-am-tool-16-v1.1.0.pdf>

	<p>be set to zero.</p> <p>5. Estimation of emissions of nitrous oxide from use of fertilizers. The project did not use nitrogenous fertilizers. Therefore, emissions of nitrous oxide from use of fertilizers are not required to be monitored.</p> <p>Assessment: In line with EB68, Annex31: Estimation and accounting of emissions of nitrous oxide from use of fertilizers shall not be required.</p> <p>6. Burning of fossil fuel. Emissions from burning of fossil fuel, both within and outside the project boundary were not monitored and accounted for.</p> <p>Assessment: In line with EB68, Annex31: Estimation and accounting of emissions from burning of fossil fuel, both within and outside the project boundary, shall not be required.</p>									
Findings	-									
Conclusion	<p>Based on the above the changes specific to afforestation and reforestation project activities are in accordance with applicable validation requirements related to the types of changes specific to afforestation and reforestation project activities in the VVS.</p> <table border="1"> <tr> <td>Traceability:</td><td><input checked="" type="checkbox"/></td><td>A revised PDD is not required as this is a A/R project activity</td></tr> <tr> <td> Prior approval: Assess whether the change requires prior approval of the board </td><td><input checked="" type="checkbox"/></td><td> The changes do not raise concerns with respect to aspects outlined in the PS: <ul style="list-style-type: none"> a. applicability and application of the Approved Baseline Methodology under which the project activity has been registered. b. additionality of the project c. scale of the CDM project activity and Prior Approval by the Board is not required. </td></tr> <tr> <td></td><td><input type="checkbox"/></td><td>The post registration change requires prior approval.</td></tr> </table>	Traceability:	<input checked="" type="checkbox"/>	A revised PDD is not required as this is a A/R project activity	Prior approval: Assess whether the change requires prior approval of the board	<input checked="" type="checkbox"/>	The changes do not raise concerns with respect to aspects outlined in the PS: <ul style="list-style-type: none"> a. applicability and application of the Approved Baseline Methodology under which the project activity has been registered. b. additionality of the project c. scale of the CDM project activity and Prior Approval by the Board is not required.		<input type="checkbox"/>	The post registration change requires prior approval.
Traceability:	<input checked="" type="checkbox"/>	A revised PDD is not required as this is a A/R project activity								
Prior approval: Assess whether the change requires prior approval of the board	<input checked="" type="checkbox"/>	The changes do not raise concerns with respect to aspects outlined in the PS: <ul style="list-style-type: none"> a. applicability and application of the Approved Baseline Methodology under which the project activity has been registered. b. additionality of the project c. scale of the CDM project activity and Prior Approval by the Board is not required.								
	<input type="checkbox"/>	The post registration change requires prior approval.								

SECTION E. Internal quality control

Before submission of the final assessment report a technical review is carried out. The technical reviewer is a competent GHG auditor being appointed for the scope this project falls under. The technical reviewer is not considered to be part of the verification team and thus not involved in the decision making process up to the technical review.

As a result of the technical review process the assessment opinion as prepared by the validation team leader may be confirmed or revised. Furthermore reporting improvements might be achieved.

SECTION F. Validation opinion

The below listed changes have occurred after the registration of the project / PoA.

Type of Change occurred	Total No. of changes	No. of changes which require prior approval
<input type="checkbox"/> Temporary deviations from the MP	-	-
<input type="checkbox"/> Temporary deviations from the MM	-	-
<input type="checkbox"/> Corrections that do not affect the project	-	-
<input type="checkbox"/> Change to the start date of the crediting p.	-	-
<input type="checkbox"/> Inclusion of Monitoring Plan	-	-
<input type="checkbox"/> Permanent changes from the MP	-	-
<input type="checkbox"/> Permanent changes from the MM	-	-

<input type="checkbox"/>	Design changes to the project activity / PoA	-	-
<input checked="" type="checkbox"/>	Changes specific to AR projects	8	8

None of the changes requires prior approval by the Board.

Freiburg, 18/05/2020




G. Kochaniewicz
TÜV NORD JI/CDM CP
Assessment Team Leader

Appendix 1. Abbreviations

Abbreviations	Full texts
A/R	Afforestation and Reforestation
CA	Corrective Action / Clarification Action
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER	Certified Emission Reduction
CL	Clarification Request
CO ₂	Carbon dioxide
CO _{2eq}	Carbon dioxide equivalent
DBH	Diameter at breast height
DVerR	Draft Verification Report
ER	Emission Reduction
FAR	Forward Action Request
GBH	Girth at breast height
GHG	Greenhouse gas(es)
GIS	Geographical Information System
GPS	Global Positioning System
Ha	Hectare
IM	Interview Memo
ICER	long term certified emission reductions
tCER	temporary certified emission reductions
LULUCF	Land use, land use change and forestry
MP	Monitoring Plan
MR	Monitoring Report
PA	Project Activity
PDD	Project Design Document

PP	Project Participant
QA/QC	Quality Assurance / Quality Control
tCER	temporary certified emission reductions
UNFCCC	United Nations Framework Convention on Climate Change
VVS	Validation and Verification Standard
XLS	Emission Removal Calculation Spread Sheet

Appendix 2. Competence of team members and technical reviewers



Statement of Competence
Appointment and authorization according to the procedures
of the TUV NORD JCCDM Certification Program

Mr. Grzegorz Kochaniewicz


SCHEME	STATUS	VALID UNTIL
CDM	Senior Assessor (Validation, Verification) Technical Reviewer	2022-02-08
VCS / ISO 14064-2	Senior Assessor	2022-02-08

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA
1.2	Renewables
3.1	Energy Demand
14.1	Afforestation and Reforestation

173 - Rev. 8, Date: 2019-02-08

173_001-140000-F20_2019-02-08_140000_001
001-140000-F20-001-1_2019-02-08



Statement of Competence
Appointment and authorization according to the procedures
of the TUV NORD JCCDM Certification Program

Mr. Ezhilarasu G.


SCHEME	STATUS	VALID UNTIL
CDM	Senior Assessor (Validation, Verification)	2020-02-06
VCS / ISO 14064-2	Senior Assessor	2020-02-06

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA
1.2	Renewables
3.1	Energy demand
13.1	Solid waste and wastewater
13.2	Marine

130 - Rev. 5, Date: 2018-01-04

130_001-140000-F20_2018-01-04_140000_001
001-140000-F20-001-1_2018-01-04



Statement of Competence
Appointment and authorization according to the procedures
of the TUV NORD JCCDM Certification Program

Mr. Evgeni Sud


SCHEME	STATUS	VALID UNTIL
CDM	Senior Assessor (Validation, Verification) Technical Reviewer	2021-05-19
JR	Senior Assessor (Validation, Verification) Technical Reviewer	2021-05-19
VCS / ISO 14064-2	Senior Assessor (Validation, Verification) Technical Reviewer	2021-05-19

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA	TR SUBCATEGORIES
1.2	Renewables	
13.1	Solid waste and wastewater	

052 - Rev. 4, Date: 2018-05-12

052_001-140000-F20_2018-05-12_140000_001
001-140000-F20-001-1_2018-05-12



Statement of Competence
Appointment and authorization according to the procedures
of the TUV NORD JCCDM Certification Program

Ms. Alexandra Nuske

SCHEME	STATUS	VALID UNTIL
CDM	Senior Assessor (Validation, Verification) Technical Reviewer	2019-03-03
JR	Senior Assessor (Validation, Verification) Technical Reviewer	2019-03-03
VCS / ISO 14064-2	Senior Assessor (Validation, Verification) Technical Reviewer	2019-03-03

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA
1.2	Renewables
14.1	Afforestation and reforestation

095 - Rev. 8, Date: 2016-11-02

095_001-140000-F20_2016-11-02_140000_001
001-140000-F20-001-1_2016-11-02

Version 03.0

Appendix 3. Documents reviewed or referenced

No.	Author	Reference	Title	References to the document	Provider
1	UNFCCC	/meth/	AR-AM0002 - Restoration of degraded lands through afforestation/reforestation version 01.0	https://cdm.unfccc.int	Other
2	DOE	/CPM/	TÜV NORD JI / CDM CP Manual (incl. CP procedures and forms)		Other
3	IPCC	/IPCC/	1. 1996 IPCC Guidelines for National Greenhouse Gas Inventories: work book 2. 2003 Good Practice Guidance for Land Use, Land-Use Change and Forestry, 3. 2006 IPCC Guidelines for National Greenhouse Gas Inventories: work book	www.ipcc-nggip.iges.or.jp	Other
4	UNFCCC	/KP/	Kyoto Protocol (1997)	http://unfccc.int/kyoto_protocol/items/2830.php	Other
5	UNFCCC	/MA/	Decision 3/CMP. 1 (Marrakesh – Accords)	http://cdm.unfccc.int/Reference/COPMOP/index.html	Other
6	PP	/MR/	Monitoring Report for CDM project: “Moldova Soil Conservation Project” version 01, dated 01/05/2017 Monitoring Report for CDM project: “Moldova Soil Conservation Project” version 02, dated 14/12/2017 Monitoring Report for CDM project: “Moldova Soil Conservation Project” version 03, dated 10/04/2018 Monitoring Report for CDM project: “Moldova Soil Conservation Project” version 04, dated 01/05/2018 Monitoring Report for CDM project: “Moldova Soil Conservation Project” version 05, dated 19/06/2018 Monitoring Report for CDM project: “Moldova Soil Conservation Project” version 06, dated 19/07/2018 Monitoring Report for CDM project: “Moldova Soil Conservation Project” version 07, dated 10/09/2018 Monitoring Report for CDM project: “Moldova Soil Conservation Project” version 08, dated 18/12/2018 Monitoring Report for CDM project:	-	PP

			"Moldova Soil Conservation Project" version 09, dated 13/09/2019 Monitoring Report for CDM project: "Moldova Soil Conservation Project" version 10, dated 18/05/2020		
7	UNFCCC	/MRT/	Monitoring Report Form (CDM-MR-FORM), Version 7.0	https://cdm.unfccc.int/Reference/PDDs_Forms/index.html	Other
8	UNFCCC	/PDD/	Project Design Document for CDM project: "Moldova Soil Conservation Project" version 05, dated 21/10/2008		
9	UNFCCC	/PS/	CDM Project Standard for project activities (Version 2.0)	http://cdm.unfccc.int/Reference/Standards/index.html	Other
10	PP	/VER/	Verification Report for CDM project "Moldova Soil Conservation Project." version 01, dated 13/07/2012	-	Other
11	V.Blujdea, R. Pilli, I.Dutca, I.Ciuvatu, I.V.Abrudanu	/VOL/	Volume equations for forests of Moldova : Allometric biomass equations for young broadleaved trees in plantations in Romania., Forest Ecology and Management (2011), doi: 10.1016/j.foreco.2011.09.042	-	Other
12	UNFCCC	/VVS/	CDM Validation and Verification standard for project activities (Version 02.0)	http://cdm.unfccc.int/Reference/Standards/index.html	Other
13	UNFCCC	/SAMPL E/	"Guidelines for Sampling and Surveys for CDM Project Activities and Programme Activities" (Version 04.0) "Standard for Sampling and Surveys for CDM Project Activities and Programme Activities" (version 7.0)	https://cdm.unfccc.int/Reference/Guidclarif/index.html http://cdm.unfccc.int/Reference/Standards/index.html	Other
14	UNFCCC	/TA/	1. Tool for the identification of degraded lands for consideration in implementing CDM A/R project activities, Version 01 2. Estimation of carbon stocks and change in carbon stocks of trees and shrubs in A/R CDM project activities Version 04.2 3. Guidelines on application of specified versions of A/R CDM methodologies in verification of registered A/R CDM project activities (version 01.0) (EB 63, Annex 26); 4. Guidelines on accounting of specified types of changes in A/R CDM project activities from the description in registered project design documents (version 01.0) (EB66, Annex 24)" 5. Demonstrating appropriateness of allometric equations for estimation of aboveground tree biomass in A/R CDM project activities , Version 01.0.0" (EB 65, Annex 28), 6. Estimation of carbon stocks and change in carbon stocks of trees and shrubs in A/R CDM project activities. Version 04.2	http://cdm.unfccc.int/Reference/tools/index.html	Other

			7. CDM-EB89 Meeting report		
15	UNFCCC	/GOT/	Glossary "CDM terms" (version 10.0)	https://cdm.unfccc.int/filestore/e/x/t/extfile-20190917101421346-Glos_CDM.pdf/Glos_CDM.pdf?t=REd8cWU4NWY3fDCTE5YJBNTsZVx6--q0wJi	Other
16	PP	/XLS/	Emission removal calculation excel sheets: Smart_MSCO_2016_05_01 version 01 dated 22/11/2017 Smart_MSCO_2016, version 02 dated 14/12/2017 Smart_MSCO_2016, version 03 dated 10/04/2018 Smart_MSCO_2016, version 04 dated 01/05/2018 Smart_MSCO_2016, version 05 dated 19/06/2018 Smart_MSCO_2016, version 06 dated 19/07/2018 Smart_MSCO_2016, version 07 dated 11/09/2018 Smart_MSCO_2016, version 08 dated 18/12/2018 Smart_MSCO_2016, version 09 dated 27/04/2020		PP
17	PP	/TRN/	Training of personal.pdf		PP
18	PP	/DS/	Data sheets used for marking the details of sample plots, Trees numbers and its species, and BHD, DCH of all trees in the sample plot.		PP
19	PP	/KML/	Shape files for the project activity, depicting the project boundary		PP
24	PP	/INS/	Verification record of instruments		PP
25	PP	/SP/	Data base of all sample plots		PP
26	PP	/Co-od/	Excel data of the GPS co-ordinates for all patches of A/R CDM area		PP
27	UNFCCC	/PRC PDD/	Mail communication from UNFCCC dated 16 May 2013 stating that revised PDD is not required for A/R CDM projects for post registration changes		DOE

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

Appendix 5. Assessment of Financial Parameters

Assessment of Financial Parameters

<input checked="" type="checkbox"/>	No financial parameters are used for additionality justification					
<input type="checkbox"/>	Assessment of all financial parameters see below					
Parameter	Value applied	Unit	Source of Information (please indicate document and page)	Reference	DOE ASSESSMENT	
					Correctness of value applied	Comment
				//	<input type="checkbox"/>	

Appendix 6. Assessment of Barrier Analysis

Assessment of Barrier Analysis

<input checked="" type="checkbox"/>	No barrier parameters are used for additionality justification			
<input type="checkbox"/>	Assessment of barriers see below			
Kind of Barrier (invest, tech, other)	Description of Barrier	Evidence used	Assessment of validation team	
			Appropriateness of information source	Explanation of final result
			<input checked="" type="checkbox"/>	

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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"> • Ensure consistency with version 02.0 of the “CDM validation and verification standard for project activities” (CDM-EB93-A05-STAN); • Make editorial improvements.
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
Document Type: Form
Business Function: Registration
Keywords: post-registration change, project activities, validation report

TÜV NORD Revision history

<i>Version</i>	<i>Date</i>	<i>Description</i>
3.1	22.11.2019	Adoption of UNFCCC report template to TÜV NORD certification and quality system as well as TÜV NORDs reporting guidance

Decision Class: Regulatory
Document Type: Form
Business Function: Registration
Keywords: post-registration change, project activities, validation report