

BIODIVERSITY MONITORING PRESERVATION THROUGH ANTHROPIC NEGATIVE
EMISSIONS (DISECONOMIES) REDUCTION PROJECT DEVELOPMENT METHODOLOGY -
ZERO2NATURE-PREBIO

Version 1.1

ZERO2NATURE METHODOLOGY APPROVED UNDER REGISTRATION ZNP0004

SECTORAL SCOPE 17

“Developed from UNFCCC-CDM methodological conception”.



May 2020

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I INTRODUCTION

This methodology has to be used in the ZERO2NATURE project conception platform context. This methodology function is to orientate ZERO2NATURE project activities, which aims to reduce and/or remove negative emissions through monitored preservation of biodiversity integrity (hereafter ZERO2NATURE-PREBIO).

2 SCOPE, APPLICABILITY AND ENTRY INTO FORCE

2.1 Scope

This methodology applies to ZERO2NATURE-PREBIO project activities.

2.2 Applicability

Applying this methodology, the baseline scenario adopted includes the parameters and requirements of the International Union for Conservation of Nature – IUCN red list, for the endangered species.

- (i) The ZERO2NATURE-PREBIO monitored preservation project activity cannot introduce environmental changes that altered more than 3% (three per cent) of the project activity baseline scenario area.
- (ii) Project activities may include one or a combination of activities eligible as ZERO2NATURE. In cases of ZERO2NATURE-PREBIO project activities, the project area can include different species, as long as complying with the following definition: “area equal or superior to 0.5ha. It does not contemplate land predominantly used for urban or agricultural purposes.”

The presence evidently objectified of at least one individual of an endangered species or in extinction and its habitat preservation guaranteed generates ZERO2NATURE-PREBIO ecological credits (DTUs), as long as the following criteria are satisfied:

- (a) For a total continuum area of the ZERO2NATURE-PREBIO project activity up to 1000ha, the presence evidently objectified of at least one individual of an endangered species or in extinction generates

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1% (one per cent) of the total amount of DTUs listed in the table EIP, available at the website: www.zero2nature.org;

(b) For a total continuum area of the ZERO2NATURE-PREBIO project activity from 100Iha up to 5000ha, the presence evidently objectified of at least one individual of an endangered species or in extinction generates 5% (five per cent) of the total amount of DTUs listed in the table EIP, available at the website: www.zero2nature.org;

(c) For a total continuum area of the ZERO2NATURE-PREBIO project activity from 500Iha up to 10000ha, the presence evidently objectified of at least one individual of an endangered species or in extinction generates 10% (ten per cent) of the total amount of DTUs listed in the table EIP, available at the website: www.zero2nature.org;

(d) For a total continuum area of the ZERO2NATURE-PREBIO project activity from 1000Iha up to 20000ha, the presence evidently objectified of at least one individual of an endangered species or in extinction generates 20% (twenty per cent) of the total amount of DTUs listed in the table EIP, available at the website: www.zero2nature.org;

(e) For a total continuum area of the ZERO2NATURE-PREBIO project activity from 2000Iha up to 100000ha, the presence evidently objectified of at least one individual of an endangered species or in extinction generates 50% (fifty per cent) of the total amount of DTUs listed in the table EIP, available at the website: www.zero2nature.org;

(f) For a total continuum area of the ZERO2NATURE-PREBIO project activity above 100000ha, the presence evidently objectified of at least one individual of an endangered species or in extinction generates 100% (one hundred per cent) of the total amount of DTUs listed in the table EIP, available at the website: www.zero2nature.org.

The ZERO2NATURE project activity which adopts this methodology, must also adapt to the conditions imposed by the tools connected to it, available at the website www.zero2nature.org.

2.3. Entry into force

The date of entry into force of this version I.I of the methodology is May 4, 2020.

3. NORMATIVE REFERENCES

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The following documents are indispensable for application of this methodology:

- (a) ZERO2NATURE Standard;
- (b) Project Document Design –ZERO2NATURE-PDD;
- (c) “Tool To Identify Live Specimens of the IUCN Red List Applied to ZERO2NATURE-PREBIO Project Activities”;
- (d) “Procedure to demonstrate eligibility of lands in ZERO2NATURE project activities”.

4 DEFINITIONS

The definitions contained in the following documents shall apply:

- (a) “Glossary of ZERO2NATURE terms”;
- (b) “ZERO2NATURE standard;
- (c) “Harvard Atmospheric Chemistry Modeling Group – www.acmg.seas.harvard.edu”;
- (d) “IPCC Good Practice Guidance for LULUCF, 2003”.

For the purpose of this methodology and related to ZERO2NATURE-PREBIO project activities, the following specific definition also apply:

- a) Anthropogenic negative emission (diseconomy) removals through the monitored preservation of integral reserves of biodiversity.

5. BASELINE AND MONITORING METHODOLOGY

5.1 Related to ZERO2NATURE-PREBIO project activities

The potential environmental negative emitters, related to ZERO2NATURE-PREBIO project activities refer solely to the relationship of the living specimen to the degree of imminent possibility of extinction, as per the

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IUCN red list. This list directly generates the Environmental Impact Potential – EIP and these values can be found at the website: www.zero2nature.org.

5.2 Baseline scenario identification and demonstration of additionality in ZERO2NATURE-PREBIO project activities:

In order to identify the baseline scenario and to demonstrate the project activity additionality, the following tool shall be applied:

- a) “Tool to identifying live specimens on the IUCN red list, applied to ZERO2NATURE-PREBIO project activities”;

5.3 Stratification

In accounting for the anthropic negative emissions (diseconomies) in any ecosystem segment of the proposed ZERO2NATURE project activity, soil and aquatic stratification has to be considered, as per inventory precision. The perspective of different stratifications can be appropriated both to the baseline scenario and project scenario, contributing to a more accurate net negative emission (diseconomy) estimated removals.

5.4 Baseline

For ZERO2NATURE-PREBIO project activities, the baseline will be given by the degree of impermanence of the live specimen in that region, as per the EIP related to this impermanence, available on the website: www.zero2nature.org.

5.5 Additionality

The ZERO2NATURE-PREBIO project activity additionality will be the endangered live specimen permanence at the project area and has to be proved with objective evidences. For the purposes of this methodology, the peril degree of the live specimen can be established through the EIP, available at the website: www.zero2nature.org.

5.6 Calculation of DTUs

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The issuance of the DTUs occurs by means of the Technical Committee verification report evaluation. The verification report shall be emitted by a ZERO2NATURE designated certifier. Once approved, the total amount of DTU verified and certified will be deposited in the project proponent(s) ZERO2NATURE account.

6. MONITORING PROCEDURE

6.1 Monitoring plan

The monitoring plan shall provide for collection of all relevant data necessary for verification that the applicability conditions listed under paragraphs 3 and 4 of this methodology have been met. Moreover, the data collected shall be archived for a period of at least two years after the end of the last crediting period of the project activity.

6.2 Monitoring of project implementation

Information shall be provided, and recorded in the project design document ZERO2NATURE-PDD, to establish that the commonly accepted principles and practices of negative emissions inventory in the host country are implemented. If such principles and practices are not known or available, standard operating procedures (SOPs) and quality control/quality assurance (QA/QC) procedures for inventory operations, including field data collection and data management, shall be identified, recorded and applied.

6.3 Precision requirements

For this methodology application, the precision requirements are the ones that can be found in the “Tool to identifying live specimens on the IUCN red list, applied to ZERO2NATURE-PREBIO project activities”.

The proof of the existence of certain live specimen, threatened or endangered shall be performed without any kind of disturbance of its habitat. Videos/photos cameras should be installed and positioned in accordance with Annex A of this methodology.

Objective evidence related to the presence of live specimen threatened or endangered will be accepted, by principle of ZERO2NATURE standard, in good faith. If any unethical action is demonstrated, either relevant to the volume of DTUs generated or connected to any type of damage caused to live specimens related to the ZERO2NATURE-PREBIO project activity, the project proponents will have all their ZERO2NATURE project activities immediately cancelled without possibility- from that moment on- to develop any kind of project activity within the ZERO2NATURE standard.

6.4 Data requirements under this methodology

Description of data and parameters can be found in the tools used in this methodology.

Data and parameters obtained from measurement shall be monitored as required in the tools.

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ANNEX A – EQUIPMENT INSTALLATION

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PHOTO/VIDEO CAMERA INSTALLATION		ZERO2NATURE REFERENCE NUMBER	
		DATE	
CAMERA NUMBER		MEANS OF TRANSPORT	
INSTALLATION SITE COORDINATES			
PARTICIPANTS LIST OF THE CAMERA INSTALLATION ACTIVITY (For more participants, please replicate the relevant cells)			
EXPEDITIONARY 1 NAME			
DOCUMENT TYPE	DOCUMENT NUMBER		
ADDRESS			
PHONE		e-mail	
CITY	STATE	ZIP CODE	
EXPEDITIONARY 2 NAME			
DOCUMENT TYPE	DOCUMENT NUMBER		
ADDRESS			
PHONE		e-mail	
CITY	STATE	ZIP CODE	
EXPEDITIONARY 3 NAME			
DOCUMENT TYPE	DOCUMENT NUMBER		
ADDRESS			
PHONE		e-mail	
CITY	STATE	ZIP CODE	
EXPEDITIONARY 4 NAME			
DOCUMENT TYPE	DOCUMENT NUMBER		
ADDRESS			
PHONE		e-mail	
CITY	STATE	ZIP CODE	
DESCRIPTION OF THE CAMERA TO BE INSTALLED IN ABOVE COORDINATES LOCAL			
BRAND	MODEL	TYPE	
CAMERA INSTALLATION EXPEDITION MEMBERS PLACE OF DEPARTURE			
EXPEDITIONARY 1	Place	Date	
EXPEDITIONARY 2	Place	Date	
EXPEDITIONARY 3	Place	Date	
EXPEDITIONARY 4	Place	Date	
EXPEDITIONARY 5	Place	Date	
USED MEANS OF TRANSPORT TILL THE EXPEDITION STARTING POINT			
	CAR	BOAT	PLANE
	OTHERS (Please specify)		
EXPEDITIONARY 1			
EXPEDITIONARY 2			
EXPEDITIONARY 3			
EXPEDITIONARY 4			
EXPEDITIONARY 5			
TOTAL FUEL CONSUMPTION DURING EXPEDITION			
FUEL	QUANTITY		
GASOLINE			
DIESEL OIL			
LPG (g)			
NATURAL GAS (m3)			
FIREWOOD (st)			
COAL (t)			
Others oil by products			
Others biomass			
Others energy inputs			
ZERO2NATURE-PREBIO PROJECT ACTIVITY			
Camera installation process description			
Start of the working date			
Date of work completion			
Incidents			
RESPONSIBLE FOR COMPLETING			
NAME		PHONE	
POSITION		e-mail	
SIGNATURE			

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ANNEX B – DATA COLLECTION

DATA COLLECTION FORM		ZERO2NATURE REFERENCE NUMBER	
		DATE	
CAMERA NUMBER	MEANS OF TRANSPORT		
INSTALLATION SITE COORDINATES			
PARTICIPANTS LIST OF THE DATA COLLECTION ACTIVITY (For more participants, please replicate the relevant cells)			
EXPEDITIONARY 1 NAME			
DOCUMENT TYPE	DOCUMENT NUMBER		
ADDRESS			
PHONE		e-mail	
CITY	STATE	ZIP CODE	
EXPEDITIONARY 2 NAME			
DOCUMENT TYPE	DOCUMENT NUMBER		
ADDRESS			
PHONE		e-mail	
CITY	STATE	ZIP CODE	
EXPEDITIONARY 3 NAME			
DOCUMENT TYPE	DOCUMENT NUMBER		
ADDRESS			
PHONE		e-mail	
CITY	STATE	ZIP CODE	
EXPEDITIONARY 4 NAME			
DOCUMENT TYPE	DOCUMENT NUMBER		
ADDRESS			
PHONE		e-mail	
CITY	STATE	ZIP CODE	
EXPEDITIONARY 5 NAME			
DOCUMENT TYPE	DOCUMENT NUMBER		
ADDRESS			
PHONE		e-mail	
CITY	STATE	ZIP CODE	
CAMERA MEMORY CARD DESCRIPTION			
BRAND	MODEL	TYPE	
DATA COLLECTION EXPEDITION MEMBERS PLACE OF DEPARTURE			
EXPEDITIONARY 1	Place	Date	
EXPEDITIONARY 2	Place	Date	
EXPEDITIONARY 3	Place	Date	
EXPEDITIONARY 4	Place	Date	
EXPEDITIONARY 5	Place	Date	
USED MEANS OF TRANSPORT TILL THE EXPEDITION STARTING POINT			
	CAR	BOAT	PLANE
	OTHERS (Please specify)		
EXPEDITIONARY 1			
EXPEDITIONARY 2			
EXPEDITIONARY 3			
EXPEDITIONARY 4			
EXPEDITIONARY 5			
TOTAL FUEL CONSUMPTION DURING EXPEDITION			
FUEL	QUANTITY		
GASOLINE			
DIESEL OIL			
LPG (l)			
NATURAL GAS (m3)			
FIREWOOD (t)			
COAL (t)			
Others oil by-products			
Others biomass			
Others energy inputs			
ZERO2NATURE-PREBIO PROJECT ACTIVITY			
Description of the memory card withdrawal process and its replacement			
New memory card identification			
Date of work completion			
Incidents			
RESPONSIBLE FOR COMPLETING			
NAME		PHONE	
POSITION		e-mail	
SIGNATURE			

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Document information		
Version	Date	Description
1.1	May 4, 2020	Updated methodology
1.0	September 24, 2012	Methodology