

ZERO2NATURE™ NEGATIVE EMISSIONS REDUCTION PROJECT DEVELOPMENT
METHODOLOGY FOR MONITORED BIODIVERSITY PRESERVATION -
ZERO2NATURE™PREBIO

Version 1.0

ZERO2NATURE™ METHODOLOGY APPROVED UNDER ZNP0004 REGISTRATION
SECTORAL SCOPE 17

“Developed from the UNFCCC methodological concept.”



May 2012

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I INTRODUCTION

This methodology shall be used in the ZERO2NATURE™ project conception platform context. This methodology function is to guide 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

By applying this methodology, the adopted baseline scenario 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 alter project activity baseline scenario area in more than 3% (three per cent).

(ii) Project activities may include one or a combination of activities eligible as ZERO2NATURE™. In case of ZERO2NATURE™-PREBIO project activities, the project area can include different kinds of species, as long as complying with the following definition: “area equal or superior to 0.5ha. that does not contemplate land predominantly used for urban or agricultural purposes.”

Objective evidence of at least one individual of an endangered species or in extinction and its guaranteed habitat preservation generates ZERO2NATURE™-PREBIO eco-credits, as long as the following criteria are satisfied:

(a) For a total continuum area of the ZERO2NATURE™-PREBIO project activity up to 1000ha, the objective evidence of at least one individual of an endangered species or in extinction generates 1% (one per cent) of the total amount of eco-credits listed in the Biodiversity EIP table, available at the www.zero2nature.com website;



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

(c) For a total continuum area of the ZERO2NATURE™-PREBIO project activity from 500Iha up to 10,000ha, the objective evidence of at least one individual of an endangered species or in extinction generates 10% (ten per cent) of the total amount of eco-credits listed in the in the EIP table, available at the www.zero2nature.com website;

(d) For a total continuum area of the ZERO2NATURE™-PREBIO project activity from 10,00Iha up to 20,000ha, the objective evidence of at least one individual of an endangered species or in extinction generates 20% (twenty per cent) of the total amount of eco-credits listed in the in the EIP table, available at the www.zero2nature.com website.;

(e) For a total continuum area of the ZERO2NATURE™-PREBIO project activity from 20,00Iha up to 100,000ha, the objective evidence of at least one individual of an endangered species or in extinction generates 50% (fifty per cent) of the total amount of eco-credits listed in the in the EIP table, available at the www.zero2nature.com website;

(f) For a total continuum area of the ZERO2NATURE™-PREBIO project activity above 100,000ha, the objective evidence of at least one individual of an endangered species or in extinction generates 100% (one hundred per cent) of the total amount of eco-credits listed in the in the EIP table, available at the www.zero2nature.com website.

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

2.3. Entry into force

The date of entry into force of this version (I.0) of the methodology is May 8, 2012.

3. NORMATIVE REFERENCES

The following documents are indispensable for the application of this methodology:

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- (a) ZERO2NATURE™ Standard;
- (b) Project Document Design – PDD- ZERO2NATURE™;
- (c) “Tool for the identification of live specimens of the IUCN red list and the list of the Brazilian Ministry for the Environment related to Brazilian endangered species, overexploited or menaced with overexploitation, applied to ZERO2NATURE™-PREBIO project activities”;
- (d) “Procedure to demonstrate eligibility of lands in ZERO2NATURE™-PREFOR/PREBIO 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 applies:

- a) Negative emissions 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 negative environmental 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 IUCN red list. This list directly generates the Environmental Impact Potential – EIP and these values are available at the www.zero2nature.com website.

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:

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- a) “Tool for the identification of live specimens of the IUCN red list and the list of the Brazilian Ministry for the Environment related to Brazilian endangered species, overexploited or menaced with overexploitation, applied to ZERO2NATURE™-PREBIO project activities”;

5.3 Stratification

In accounting for negative emissions 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 estimated negative emissions 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 at the www.zero2nature.com website.

5.5 Additionality

The ZERO2NATURE™-PREBIO project activity additionality will be the endangered live specimen permanence in the project area and has to be proven with objective evidence. For the purposes of this methodology, the peril degree of the live specimen is established through the EIP, available at the www.zero2nature.com website.

5.6 Calculation of 02NCs

The issuance of the 02NCs 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 verified and certified 02NCs will be deposited in the project proponent(s) ZERO2NATURE™ registry account.

6. MONITORING PROCEDURE

6.1 Monitoring plan

The monitoring plan shall provide for the 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.



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6.2 Monitoring of project implementation

Information shall be provided, and recorded in the project design document PDD-ZERO2NATURE™, 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 the application of this methodology, the precision requirements are the ones found in the “Tool for the identification of live specimens of the IUCN red list and the list of the Brazilian Ministry for the Environment related to Brazilian endangered species, overexploited or menaced with overexploitation, applied to ZERO2NATURE™-PREBIO project activities”.

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

Objective evidence related to the presence of live threatened or endangered specimen will be accepted, by principle of ZERO2NATURE™ Standard, in good faith. If any unethical action is demonstrated, either relevant to the volume of eco-credits generated or connected to any type of damage caused to live specimens related to the ZERO2NATURE™-PREBIO project activity, 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.

ANNEX A – EQUIPMENT INSTALLATION



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PHOTO/VIDEO CAMERA INSTALLATION		ZERO2NATURE REFERENCE NUMBER	
			
		DATE	
CAMERA NUMBER			
INSTALLATION SITE COORDINATES		MEANS OF TRANSPORT	
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	

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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				
PLG (t)				
NATURAL GAS (m3)				
FIREWOOD (st)				
COAL (t)				
Others oil by-products				
Others biomass				
Others energy inputs				
ATIVIDADE DE PROJETO ZERO2NATURE™-PREBIO				
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			
INSTALLATION SITE COORDINATES		MEANS OF TRANSPORT	
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	

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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				
PLG (t)				
NATURAL GAS (m3)				
FIREWOOD (st)				
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
1.0	September 24, 2012	Methodology

Zero2Nature