

GLOSSARY OF TERMS

ZERO2NATURE

Version 2.0

“Developed from the CDM conception of UNFCCC.”



May 2020

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

INDEX

1. HISTORIC
2. SCOPE
3. ACRONYMS AND ABBREVIATIONS USED IN THE GLOSSARY
4. DEFINITIONS OF TERMS

ZERO2NATURE GLOSSARY

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

1. HISTORIC

1. The glossary of terms ZERO2NATURE is a compilation of terms commonly used in the ZERO2NATURE system.

2. SCOPE

The glossary is to be read in conjunction with the ZERO2NATURE rules and requirements. If a term is defined in the glossary and also in the ZERO2NATURE rules and requirements, the definition contained in the ZERO2NATURE rules and requirements takes precedence to the extent of any inconsistency between the glossary and the ZERO2NATURE rules and requirements.

3. ACRONYMS AND ABBREVIATIONS USED IN THE GLOSSARY

AE - Applicant entity

A/R - Afforestation and reforestation

A/R WG - Afforestation and Reforestation Working Group

B-DTU – PREBIO Diseconomy Traded Unit

Board - Executive Committee of the ZERO2NATURE system

C-DTU – PRECARB Diseconomy Traded Unit

CDM - Clean development mechanism

CER - Certified emission reduction as per the UNFCCC - CDM

CME - Coordinating/managing entity

CMP - Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol

COP - Conference of the Parties to the Kyoto Protocol

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

COR – Certificate of Retirement

DEC - Designated Environmental Certifier

DLO – Defined Living Organism

DTU – Diseconomy Traded Unit

DTUcoin – Diseconomy Traded Unit Coin

DTX – Diseconomy Traded Unit Coin symbol

F-DTU – PREFOR Diseconomy Traded Unit

GHG - Greenhouse gas

H-DTU – PREHYDRO Diseconomy Traded Unit

LDC - Least developed country

M-DTU – PREMIN Diseconomy Traded Unit

MoC - Modalities of communication

N-DTU – PRONER Diseconomy Traded Unit

PDD - Project Design Document

PoA – Pool of Abatement

UNFCCC - United Nations Framework Convention on Climate Change

4. DEFINITIONS OF TERMS

Additional/Additionality

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

For a ZERO2NATURE project activity (not related to preservation): the effects of a ZERO2NATURE project activity that reduces negative anthropic emissions below those that would occur in the absence of the project or

For a ZERO2NATURE project activity of the types ZERO2NATURE-PREBIO, ZERO2NATURE-PRECARB, ZERO2NATURE-PREMIN, ZERO2NATURE-PREHYDRO or ZERO2NATURE- PREFOR (preservation): the effect of the ZERO2NATURE project activity to increase the negative emissions net removals; above that would occur in the absence of the project. The additionality of the project is determined through the standard, procedures, guidelines and other rules of the ZERO2NATURE system.

Admitted observer organization

An organization that has been admitted by the ZERO2NATURE system as an observer.

AE (applicant entity)

An entity which has applied to be accredited by the Executive Committee as a DEC.

Afforestation

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

Anthropic negative emission

The anthropic negative emission refers to human action in the environment, causing an impact that Nature is unable, in a determined period of time, to absorb.

Approval/authorization by each Party involved

The written authorization of an entity(ies) participation in a ZERO2NATURE project activity, attesting voluntary participation of each Party involved.

Approved methodology



GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

A methodology that has been approved by the Board for application to ZERO2NATURE project activities. Approved methodologies are publicly available on the ZERO2NATURE website.

A/R WG (Afforestation and Reforestation Working Group)

A working group established to support the Board in the establishment, revision or withdrawal of methodological standards, guidelines and clarifications or other methodological matters applicable to proposed and registered PREFOR project activities.

Authorized signatory

The person who represents a focal point entity or project participant entity in a ZERO2NATURE project activity (which may include a person who is authorized by way of a power of attorney) and whose name, contact details and specimen signature are registered in the MoC statement. It can be either an authenticated handwritten signature or an encrypted electronic signature.

Authorization of a private and/or public entity to participate in a ZERO2NATURE project activity

See the definition of “approval/ authorization by each Party involved”.

Baseline

See the definitions of “baseline scenario” and “baseline emissions”.

Baseline and monitoring methodology

A methodology for a ZERO2NATURE project activity comprising two related parts: a baseline methodology and a monitoring methodology. See also the definitions of “baseline methodology” and “monitoring methodology”.

Baseline approach

The approach used to establish a baseline methodology. The ZERO2NATURE rules and requirements prescribe the baseline approaches that can apply to ZERO2NATURE project activities.

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

Baseline emissions

The negative emissions that would occur in the baseline scenario.

Baseline methodology

A methodology applied to establish a baseline scenario for a ZERO2NATURE project activity, which constitutes one part of a baseline and monitoring methodology.

Baseline net negative emissions removals by sinks

The sum of the changes in negative emissions stocks in its reservoirs within the project boundary that would have occurred in the absence of the ZERO2NATURE project activity.

Baseline scenario

Situation that sets up the business-as-usual aligned with the ZERO2NATURE project activity.

Biomass

Non-fossilized and biodegradable organic material originating from plants, animals and micro-organisms including:

- (a) Biomass residue;
- (b) The non-fossilized and biodegradable organic fractions of industrial and municipal wastes; and
- (c) The gases and liquids recovered from the decomposition of non-fossilized and biodegradable organic material.

Biomass residues

Non-fossilized and biodegradable organic material originating from plants, animals and micro-organisms which is a by-product, residue or waste stream from agriculture, forestry and related industries.

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

Board (ZERO2NATURE Executive Committee)

The Executive Committee of the ZERO2NATURE system. The function of the Board is to supervise the ZERO2NATURE system.

Bundle

Various carbon capture and storage, afforestation, reforestation and preservation project activities that form a single ZERO2NATURE project activity, without losing the distinct characteristics of each component.

By-product

A product that is produced along with the main product which has smaller revenues than the main product.

Carbon pools

Above-ground biomass, below-ground biomass, litter, dead wood and soil organic carbon. This definition applies to PREFOR.

CDM (clean development mechanism)

A mechanism under the Kyoto Protocol, the purpose of which, in accordance with Article 12 of the Kyoto Protocol, is to assist Parties not included in Annex I in achieving sustainable development and in contributing to the ultimate objective of the Convention, and to assist Parties included in Annex I in achieving compliance with their quantified emission limitation and reduction commitments under Article 3 of the Kyoto Protocol.

Certification

For a ZERO2NATURE project activity (except afforestation, reforestation, carbon capture and storage or preservation project activities), the guarantee expressed by an accredited certifier that, during a certain period of time, the ZERO2NATURE project activity reduced negative anthropic emissions, by sources as verified.

For a ZERO2NATURE project activity of afforestation, reforestation, carbon capture and storage or preservation; the guarantee expressed by an accredited certifier that, a

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

ZERO2NATURE project activity has achieved, through its reservoirs, the net removal of negative anthropic emissions, since the start date of the project activity, as verified.

Certifier

An entity designated by the ZERO2NATURE Executive Committee, qualified to validate proposed ZERO2NATURE project activities, as well as verify and certify anthropic reductions in negative emissions, by sources.

CER (certified emission reduction)

A unit issued for emission reductions from CDM project activities or PoAs (non-A/R) in accordance with the CDM rules and requirements, which is equal to one metric tonne of carbon dioxide equivalent, calculated using global warming potentials defined by decision 2/CP.3 or as subsequently revised in accordance with Article 5 of the Kyoto Protocol.

Certificate of Retirement

Certificate that the emitter of diseconomies receives when retiring negative anthropic emissions related to its productive cycle.

CME (coordinating/managing entity)

An entity that communicates with the ZERO2NATURE Board and secretariat, including on matters relating to the distribution of Diseconomy Traded Units (DTUs).

Completeness check

In the context of registration and issuance, the process undertaken by the ZERO2NATURE secretariat to confirm that all information and documents that are required to be submitted by project participants and DECs, as applicable, have been submitted and that the submitted documents are complete and in accordance with the ZERO2NATURE rules and requirements.

Co-products

A product that is produced along with the main product which has similar revenues as the main product.

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

Crediting period

The period in which verified and certified anthropic negative emission reductions or removals by sinks attributable to a ZERO2NATURE project activity, as applicable, can result in the issuance of DTUs, as applicable, from that ZERO2NATURE project activity. The time period that applies to a crediting period for a ZERO2NATURE project activity and whether the crediting period is renewable or fixed is determined in accordance with the ZERO2NATURE rules and requirements.

DEC (Designated Environmental Certifier)

An entity designated by the Board, as qualified to validate proposed ZERO2NATURE project activities, as well as verify and certify reductions in negative anthropic emissions

Deviation

A change required or implemented by the project proponent, when applicable, or to:

- (a) An approved methodology, prior to the registration of the ZERO2NATURE project activity or
- (b) The implementation of the ZERO2NATURE project activity, *vis a vis* the monitoring plan described in the PDD registered by the monitoring methodology.

Acceptance of the change will be submitted for approval by the Executive Committee, in accordance with the rules and requirements of the ZERO2NATURE standard.

Diseconomy

Cost to the environment of an anthropic productive cycle.

Diseconomy Traded Unit - DTU

The ecological credit issued by the ZERO2NATURE system from an implemented (registered) ZERO2NATURE project activity. The ZERO2NATURE system embraces six types of DTUs: B-DTU, from PREBIO project activities; C-DTU, from PRECARB project activities; F-DTU, from PREFOR project activities; H-DTU, from

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

PREHYDRO project activities; M-DTU, from PREMIN project activities and N-DTU, from PRONER project activities.

DTUcoin

A cryptocurrency which is the result of a specific DTU (Diseconomy Traded Unit), namely: B-DTU, from PREBIO project activities; C-DTU, from PRECARB project activities; F-DTU, from PREFOR project activities; H-DTU, from PREHYDRO project activities; M-DTU, from PREMIN project activities or N-DTU, from PRONER project activities into the O2N-Blockchain.

DTX

As per the definition of DTUcoin, DTX is the short representation (symbol) of it.

Eligibility of land

The determination of which land meets the conditions required to be included in a PREFOR project activity, in accordance with the ZERO2NATURE rules and requirements.

Focal point

Any entity or entities, registered or not as a participant in the proposed project activity as ZERO2NATURE nominated, through the MOC and by all project participants, as a communication agent between the project proponents, the Secretariat and the Executive Committee, with respect to any or all of the following functions under the authority of the focal point:

- (a) Communication related to requests to direct DTUs to individual accounts of project participants;
- (b) Communication related to requests for voluntary addition and / or withdrawal of project participants and focal points, as well as changes in the name of the company, legal status, contact details and authorized signatures;
- (c) Communication related to any other issue related to the project that is not covered by items (a) and (b) above.

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

Forest

A minimum area of land of 0.05–1.0 hectares with tree crown cover (or equivalent stocking level) of more than 10–30 per cent with trees with the potential to reach a minimum height of 2–5 metres at maturity in situ and may include:

- (a) Either closed forest formations where trees of various storeys and undergrowth cover a high proportion of the ground or open forest;
- (b) Young natural stands and all plantations which have yet to reach a crown density of 10–30 per cent or tree height of 2–5 metres;
- (c) Areas normally forming part of the forest area which are temporarily unstocked as a result of human intervention such as harvesting or natural causes but which are expected to revert to forest.

GHG (greenhouse gas)

A greenhouse gas listed in Annex A to the Kyoto Protocol, unless otherwise specified in a particular methodology.

Grassland

Rangeland or pasture-land subjected to any kind of anthropic exploitation that may include systems with woody vegetation that does not impair eligibility of the land for PREFOR project activities.

Host Country

The Country where the ZERO2NATURE project activity is physically located.

Information and reporting check

In the context of registration and issuance, the process undertaken by the secretariat to confirm that all information and reporting requirements have been met by project participants and DECs, as applicable, in accordance with the ZERO2NATURE rules and requirements.

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

Issuance

Instruction by the Executive Committee to the ZERO2NATURE Registry Administrator to issue a specific amount of DTUs from a ZERO2NATURE project activity in the current account of the Executive Committee, for subsequent distribution in the current accounts of the project participants, according to the rules and requirements of the ZERO2NATURE standard.

Joint focal point

A focal point whereby more than one entity is nominated in the MoC statement as focal point for a given scope of authority for communication with the Board and the secretariat with respect to a ZERO2NATURE project activity.

Kyoto Protocol

The protocol to the Convention adopted in Kyoto, Japan, on 11 December 1997, which entered into force on 16 February 2005. The Kyoto Protocol, among other things, sets binding targets for the reduction of GHG emissions by Annex I Parties.

LDC (Least developed country)

A country identified by the United Nations as meeting its criteria for LDC status. The criteria relates to low national income, weak human assets, high economic vulnerability and a total population size of less than 75 million people.

Leakage

For a ZERO2NATURE project activity (other than afforestation, reforestation, preservation or carbon capture and storage), the net change in negative anthropic emissions, by source, occurring outside the boundaries of the project, but which are measurable and attributable to the ZERO2NATURE project activity.

For a ZERO2NATURE project activity of afforestation, reforestation, preservation or carbon capture and storage; the increase in negative emissions by source that occurs

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

outside the boundaries of the project, but that are measurable and attributable to the ZERO2NATURE project activity.

MoC

The type of communication signed by all participants in a ZERO2NATURE project activity, according to the model available at www.zero2nature.org, which designates one or more focal points as the communication agent for the project activity, on behalf of all participants, with the Secretariat and Executive Committee.

Monitoring

For a ZERO2NATURE project activity (other than afforestation, reforestation, preservation or carbon capture and storage), collection and archiving of all relevant data necessary to determine the baseline, measurement of negative anthropic emissions by source within the borders of the leakage, where applicable.

For a ZERO2NATURE project activity of afforestation, reforestation, preservation or carbon capture and storage; collection and archiving of all relevant data necessary for estimating or measuring negative anthropic emissions removed through sinks.

Monitoring methodology

The methodology used for monitoring a ZERO2NATURE project activity, which constitutes one part of a baseline and monitoring methodology.

Monitoring plan

The plan defined by the methodology to be applied by the ZERO2NATURE project proponents to collect and file objective evidence of the reduction / removal of negative anthropic emissions that will be presented to the designated certifier during the verification and certification processes.

Monitoring report

A report prepared by a project participant which sets out the anthropic negative emission reductions or removals of an implemented (registered) ZERO2NATURE project activity for a particular monitoring period.

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

PDD (Project Design Document)

The document prepared by the participant (s) of the ZERO2NATURE project activity that presents, in detail and according to the rules and requirements of the ZERO2NATURE standard, the project activity to be evaluated. The PDD form -as well as the guidelines related to its completion- are available at www.zero2nature.org.

Pool of Abatement

Depository of DTX intended for the abatement, due to the retirement of DTUs or market regulation.

PREBIO project activity

A life related measure, operation or action that aims to achieve anthropic negative emissions removals and/or reductions, whether as a whole project or as a part of a project.

PRECARB project activity

A hydrocarbons related measure, operation or action that aims to achieve anthropic negative emissions removals and/or reductions, whether as a whole project or as a part of a project.

PREFOR project activity

An afforestation or reforestation measure, operation or action that aims to achieve net anthropic negative emissions removals by sinks, whether as a whole project or as a part of a project.

PREHYDRO project activity

A water reserves related measure, operation or action that aims to achieve anthropic negative emissions removals and/or reductions, whether as a whole project or as a part of a project.

PREMIN project activity

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

A minerals related measure, operation or action that aims to achieve anthropic negative emissions removals and/or reductions, whether as a whole project or as a part of a project.

Promoter

Entity that participates in the DTX generation process, on the 02N-blockchain.

PRONER project activity

An anthropic productive cycle related measure, operation or action that aims to achieve anthropic negative emissions removals and/or reductions, whether as a whole project or as a part of a project.

Project boundaries

For a ZERO2NATURE project activity (other than afforestation, reforestation, preservation or carbon capture and storage), a significant portion of negative anthropic emission under the control of the project proponent (s) that are reasonably attributable to the proposed project activity, according to the rules and requirements of the ZERO2NATURE standard.

For a ZERO2NATURE project activity of afforestation, reforestation, preservation or carbon capture and storage; geographically delineated boundaries of the project activity under the control of the project proponent (s).

Project participant

The party involved, whether natural, legal, public or private, who intends to participate in a proposed project activity within the ZERO2NATURE system.

Reference number

A unique six-digit identifier assigned to each ZERO2NATURE project activity.

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

Reforestation

The direct human-induced conversion of non-forested land to forested land through planting, seeding and/or the human induced promotion of natural seed sources, on land that was forested but has been converted to non-forested land.

Registration

Formal acceptance by the Executive Committee of the proposed project activity as ZERO2NATURE, validated by a Certification Body designated as a ZERO2NATURE project activity. Registration is a prerequisite for verification, certification and issuance of DTUs.

Renewal of the crediting period

Formal acceptance -by the Executive Committee- of the renewal of the crediting period for a registered ZERO2NATURE project activity validated by a designated certifier, in order to allow the continuity of the verification, certification and issuance processes of the DTUs during a new and predetermined crediting period.

Retrofit

To modify existing industrial, commercial and residential facilities, automobiles, energy conversion systems etc., which are already in service using new, improved or more efficient parts and equipment developed or made available after the time of original manufacture or installation of the facility, automobiles, energy conversion systems etc., in accordance with any guidance from the Board on the lifetime of parts and equipment.

Same technology/measure

Two different ZERO2NATURE project activities that either:

- (a) Provide the same kind of output and use the same kind of equipment and conversion process (same technology); or
- (b) Undertake the same course of action which results in the same kind of effect (e.g. two projects using the same management practice such as fuel switching).

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

Secretariat

The body established by the ZERO2NATURE system. The secretariat services the ZERO2NATURE system by, among other things:

- (a) Providing institutional, administrative and technical support to the Board and its panels and working groups, when applicable;
- (b) Keeping the Board informed of the developments in the Economy/Diseconomy/Epiconomy markets;
- (c) Providing capacity-building services for key stakeholders;
- (d) Acting as an interface between the Board and stakeholders in the development of new and revised regulations;
- (e) Developing strategic partnerships with relevant entities to support the enhanced regional and sub-regional distribution of ZERO2NATURE project activities.

Shared focal point

A focal point role shared by two or more entities for a given scope of authority of communication with the Board and the secretariat with respect to a ZERO2NATURE project activity, where one signature of the corresponding authorized signatories of anyone of the shared focal point entities is sufficient to effect any instruction within the scope of authority.

Signature

An agreed means of authentication of a MoC statement by a project participant, or a given communication from a focal point entity, as the context requires. It may be either an authenticated handwritten signature, accompanied by an official company seal or stamp if appropriate, or a cryptographic electronic signature enrolled in the ZERO2NATURE information system.

Sole focal point

A focal point role assigned only to one entity, as nominated in the MoC statement, on some or all of the scopes of authority of communication with the Board and the

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

secretariat with respect to a ZERO2NATURE project activity, and whose certified signature is sufficient to effect any instruction from this entity.

Sponge

Means by which a Promoter can participate and win DTX, on 02N blockchain.

Stakeholders

The public, including individuals, groups or communities affected or potentially affected by the proposed ZERO2NATURE project activity.

Start date

In the context of the ZERO2NATURE project activity, the first date, either of the implementation or construction of the system that will allow the execution of the ZERO2NATURE project activity.

Suppressed demand

A scenario where future anthropic emissions by sources are projected to rise above current levels, due to the specific circumstances of the host Country.

Validation

Independent evaluation process, carried out by a designated Certifier, of the proposed project activity as ZERO2NATURE; according to rules and requirements of the ZERO2NATURE standard.

Validation/Verification opinion

A written conclusion from the designated Certifier about the validation/verification of a proposed project activity as ZERO2NATURE.

Verification

For a ZERO2NATURE project activity (other than afforestation, reforestation, preservation or carbon capture and storage), the periodic, independent assessment and ex-

GLOSSARY OF TERMS ZERO2NATURE

Version 2.0

post determination of the monitored reduction of negative anthropic emissions carried out by a designated Certifier, which occurred as a result of the registered ZERO2NATURE project activity.

For a ZERO2NATURE project activity of afforestation, reforestation, preservation or carbon capture and storage; the periodic, independent assessment and ex-post determination of monitored removal, through sinks, of negative anthropic emissions carried out by a designated Certifier, which occurred as a result of the registered ZERO2NATURE project activity.

UNFCCC website

www.unfccc.int

ZERO2NATURE website

www.zero2nature.org

	Document information	
Version	Date	Description
2.0	May 8, 2020	Update
1.0	September 9, 2014	Initial adoption
Decision Class: Operational Document Type: Glossary Business Function: Governance Keyword: Glossaries		