



VERIFIERS AND REFERENCES FOR SUSTAINABLE TERRITORIAL MANAGEMENT

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OBJECTIVE

This document aims to present verifiers and references to help meet the indicators of the International Standard on Sustainable Territorial Management, of the LIFE Methodology on Sustainable Territorial Management.

APPLICATION

It applies to users of the International Standard on Sustainable Territorial Management and other stakeholders in the LIFE Methodology on Sustainable Territorial Management.

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1. INTRODUCTION

This document presents verifiers that help to meet the indicators of LIFE Methodology's International Standard on Sustainable Territorial Management.

This is a **non-exhaustive** list of recommendations and/or examples for some of the indicators, and compliance is not mandatory. Consultation with external references may be necessary to ensure compliance with the indicator mentioned herein, as well as others not pointed out in this document, but applicable to the user of the Standard.

2. VERIFIERS

The verifiers are examples of how the International Standard on Sustainable Territorial Management indicators can be met, as shown in Chart 1.

Chart 01 - Verifiers and applicable and suggested references for applying the International Standard on Sustainable Territorial Management

Principle Criterion Indicator	VERIFIERS/REFERENCES
PRINCIPLE 1	
P1.C1.i2	<ul style="list-style-type: none"> • Term of adherence to the Territorial Alliance.
P1.C3.i1	<ul style="list-style-type: none"> • Sectoral social and environmental agreements concerning the promotion of sustainable territorial development; Soy moratorium, NY declaration, etc. • CITES, ITTA, CBD, ILO, RAMSAR, Global Climate Action, Agenda 2030, etc.
P1.C3.i4	<ul style="list-style-type: none"> • Public report with financial and economic information, and/or rendering of accounts, and/or audit opinions, and/or fiscal council deliberations.
P1.C4.i10	<ul style="list-style-type: none"> • Materiality matrix or similar. • https://www.globalreporting.org/media/jrbntbyv/griwhitepaper-publications.pdf

	PRINCIPLE 2
P2.C1.i1	<ul style="list-style-type: none"> Ecosystem Services Review - ESR: https://www.wri.org/ CICES - Common International Classification of Ecosystem Services. LIFE Impact and Dependence on Biodiversity and Ecosystem Services Matrix from the LIFE Methodology for Business and Biodiversity: https://institutolife.org/ High Conservation Value – HCV: https://hcvnetwork.org/library/common-guidance-for-the-identification-of-high-conservation-values/
P2.C1.i2	<ul style="list-style-type: none"> Biodiversity and Ecosystem Services Matrix Action Plan - LIFE Methodology for Business and Biodiversity: https://institutolife.org/ LIFE Key Business and Biodiversity Platform
P2.C1.i4	<ul style="list-style-type: none"> List of Threatened Species of the International Union for Conservation of Nature - IUCN. List of Priority Areas for Conservation (e.g: Ministry of Environment - MMA in Brazil, Natura 2000 in Europe).
P2.C1.i7	<ul style="list-style-type: none"> Public policy to support the conservation of biodiversity and ecosystem services (e.g: ecologic ICMS).
P2.C2.i1	<ul style="list-style-type: none"> List of Priority Areas for Conservation (e.g: Ministry of Environment - MMA in Brazil, Natura 2000 in Europe).
P2.C3.i1	<ul style="list-style-type: none"> Study of watershed fragmentation by dams (for hydroelectric generation or other purposes), canalization, and other factors, identifying areas of undammed remainders, history of pre-existing natural obstacles, and distribution of key aquatic species. Forest Landscape Integrity Index: https://www.forestintegrity.com/ Guidelines for conserving connectivity through ecological networks and corridors (IUCN): https://portals.iucn.org/library/node/49061
P2.C3.i2	<ul style="list-style-type: none"> Guidelines for conserving connectivity through ecological networks and corridors (IUCN): https://portals.iucn.org/library/node/49061
P2.C4.i1	<ul style="list-style-type: none"> Restoration Opportunities Assessment Methodology – ROAM: https://www.iucn.org/theme/forests/our-work/forest-landscape-restoration/restoration-opportunities-assessment-methodology-roam

P2.C5.i1	<ul style="list-style-type: none"> • Maps of Hydrographic Regions made available by the LIFE Key Business and Biodiversity Platform: https://institutolife.org/
P2.C5.i3	<ul style="list-style-type: none"> • Practices such as: terracing, contour lines, direct planting, green walls, windbreakers, crop rotation, among others. • Crop-Livestock Forest Integration - CLFI, among others.
P2.C5.i4/i5	<ul style="list-style-type: none"> • Analysis of the physical and chemical quality of the water, which may contain odor, color, turbidity, temperature, pH, conductivity, dissolved oxygen, Biological Oxygen Demand (BOD) and Chemical Oxygen Demand (COD), coliforms, suspended solids, heavy metals, drugs, organic compounds, pesticides, nitrogen and phosphorus, etc. • Soil analysis, which can include: granulometry (texture), pH, base sum, CEC, base saturation, aluminum saturation, heavy metals, pesticides, etc. • Indicators for water body sedimentation, which can contain assessments of water volume, depth (m), velocity (m/s), surface flow (m³/s), suspended solids, presence of eutrophication.
P2.C6.i1	<ul style="list-style-type: none"> • GHG Protocol: https://ghgprotocol.org/calculation-tools
P2.C6.i4	<ul style="list-style-type: none"> • Global Climate Action: https://climateaction.unfccc.int/ • Carbon Disclosure Project – CDP: https://www.cdp.net/en • Task Force on Climate-related Financial Disclosures – TCFD: https://www.fsb-tcf.org/ • Climate Bonds Initiative - CBI: https://www.climatebonds.net
P2.C6.i5	<ul style="list-style-type: none"> • Climate Bonds Initiative - CBI: https://www.climatebonds.net • E.g.: investment in a warning system for floods, landslides, and other possible problems resulting from climate changes.
P2.C7.i2	<ul style="list-style-type: none"> • Biodiversity Pressure Index - LIFE Methodology for Business and Biodiversity: https://institutolife.org/ • Ecological Footprint.
P2.C7.i3	<ul style="list-style-type: none"> • E.g.: biogas production technologies based on the destination of human and/or animal waste, packaging reuse, composting practices, among others.
P2.C7.i5	<ul style="list-style-type: none"> • Reports from the LIFE Key Business and Biodiversity Platform

	<ul style="list-style-type: none"> • LIFE Impact and Dependence on Biodiversity and Ecosystem Services Matrix from the LIFE Methodology for Business and Biodiversity: https://institutolife.org/
P2.C7.i10	<ul style="list-style-type: none"> • Invasive Alien Species – IUCN: https://www.iucn.org/regions/europe/our-work/biodiversity-conservation/invasive-alien-species • Instituto Horus: http://bd.institutohorus.org.br/ • IABIN – Interamerican biodiversity information network: https://www.oas.org/en/sedi/dsd/iabin/ • FSC Certification - Forest Stewardship Council: https://fsc.org/en
PRINCIPLE 3	
P3.C3.i4	<ul style="list-style-type: none"> • ISO 45001: Occupational Health and Safety Management System - Requirements with guidance for use. • Occupational health and safety management system and occupational health and safety programs, including ongoing staff training in procedures relating to occupational health and safety.
P3.C4.i2	<ul style="list-style-type: none"> • Program to support first jobs, hiring young people, women, black people and elderly people, regardless of sexual orientation, culture and religious beliefs.
P3.C6.i2	<ul style="list-style-type: none"> • Channel for filing complaints. • Worker awareness/guidance. • Inclusion of a zero-tolerance contractual clause regarding racism and xenophobia, as well as discrimination of any gender, sexual orientation and religious belief.
PRINCIPLE 4	
P4.C1.i1	<ul style="list-style-type: none"> • High Conservation Value – HCV: https://hcvnetwork.org/library/common-guidance-for-the-identification-of-high-conservation-values/ • Mapping of the territories of local indigenous and traditional peoples.
P4.C2.i1	<ul style="list-style-type: none"> • High Conservation Value – HCV: https://hcvnetwork.org/library/common-guidance-for-the-identification-of-high-conservation-values/ • Mapping of the territories of local indigenous and traditional peoples.

P4.C3.i3	<ul style="list-style-type: none"> E.g.: financial support for events involving artisanal work, dances, gastronomy, and local festivities.
PRINCIPLE 5	
P5.C2.i1	<ul style="list-style-type: none"> Continued teacher training and support for extracurricular activities. Support initiatives that enable technological infrastructure to access educational resources via the web. Training focused on education for citizenship and teamwork in problem solving. Support activities to develop life projects for young people throughout their educational path. Promoting education for citizenship, legislation, health, personal finances, and other subjects that contribute to personal and group development.
P5.C3.i1	<ul style="list-style-type: none"> Environmental education program that includes fieldwork to broaden knowledge about the reality of the territories. Multidimensional assessment for environmental education programs: https://acervodigital.ufpr.br/bitstream/handle/1884/21170/Dissertacao_LizBuckSilva%20.pdf Principles for Responsible Management Education - PRME: https://www.unprme.org
P5.C3.i2	<ul style="list-style-type: none"> Principles for Responsible Management Education - PRME: https://www.unprme.org
PRINCIPLE 6	
P6.C1.i1	<ul style="list-style-type: none"> <i>Social Progress Imperative</i>: https://www.socialprogress.org/framework Actions including water supply and distribution, gas, electricity, public lighting, communication, basic sanitation services, sewage collection and treatment, garbage collection, public transportation and mobility, parks and squares.
P6.C1.i6	<ul style="list-style-type: none"> Agroforestry Systems - SAF. ILPF - Crop-livestock-forest integration. Organic agriculture.
P6.C2.i1	<ul style="list-style-type: none"> <i>Accountability Framework initiative (AFi)</i>: https://accountability-framework.org/get-started/download-framework-documents/
P6.C2.i3	<ul style="list-style-type: none"> Forest Management Certification.

P6.C3.i3	<ul style="list-style-type: none"> • Accountability Framework initiative (AFi): https://accountability-framework.org/get-started/download-framework-documents/ • Support to family agriculture (organic, agroecological, biodynamic, among others), to local production and commerce. • Incentive program for sustainable production practices. • Sustainable production chains based on native species. • Incentive programs for non-timber forest products. • Incentive to crop, cattle and forest integration - CCFI. • Incentive to rural and nature tourism.
P6.C3.i4	<ul style="list-style-type: none"> • Economic instruments to support the recognition of designations of protected and/or controlled origin of regional products.
P6.C3.i6	<ul style="list-style-type: none"> • Eco-efficiency verifier. Example: BPI/ton produced; BPI/MgW energy generated; BPI/unit produced (BPI - Biodiversity Pressure Index).
P6.C5.i1	<ul style="list-style-type: none"> • Information on digital transformation and socio-digital inclusion.
P6.C5.i2	<ul style="list-style-type: none"> • Aspirational Principles and Criteria for a Sustainable Bioeconomy: http://www.fao.org/3/cb3706en/cb3706en.pdf
P6.C5.i3	<ul style="list-style-type: none"> • Low carbon policy, change of energy matrix or energy efficiency. • Economic feasibility studies of projects that include the pricing of carbon emissions in their calculations.
P6.C5.i4	<ul style="list-style-type: none"> • IUCN Global Standard for Nature-based Solutions - NbS: https://www.iucn.org/theme/nature-based-solutions/resources/iucn-global-standard-nbs
P6.C6.i2	<ul style="list-style-type: none"> • Production and product delivery records. • QR Code. • Genecoin: https://www.genecoin.co/ • Trase: https://www.trase.earth/

	PRINCIPLE 7
P7.C1.i1	<ul style="list-style-type: none"> • LIFE Impact and Dependence on Biodiversity and Ecosystem Services Matrix from the LIFE Methodology for Business and Biodiversity: https://institutolife.org/ • Taskforce on Nature-related Financial Disclosure - TNFD: https://tnfd.info/ • True Cost Initiative: https://truecostsinitiative.org/
P7.C2.i1	<ul style="list-style-type: none"> • True Cost Initiative: https://truecostsinitiative.org/
P7.C3.i1	<ul style="list-style-type: none"> • Value Balancing Alliance: https://www.value-balancing.com • System of Environmental Economic Accounting - SEEA EA da ONU: https://seea.un.org/ecosystem-accounting • Taskforce on Nature-related Financial Disclosures - TNFD: https://tnfd.info/ • True Cost Initiative: https://truecostsinitiative.org/
P7.C4.i2	<ul style="list-style-type: none"> • Incentives and promotion of market development of compensation measures and non-traditional sources of financing natural capital (such as green bonds, carbon credits and other modalities). • Climate Bonds Initiative - CBI: https://www.climatebonds.net
	PRINCIPLE 8
P8.C1.i27	<ul style="list-style-type: none"> • Biodiversity Pressure Index (BPI) - LIFE Key Business and Biodiversity Platform: https://institutolife.org/

NOTES ON DEVELOPMENT OF THIS DOCUMENT

Version 1.0: approved on 03/21/2022, by the LIFE Institute Board of Directors. Official issue of the document.

Version 1.0-R1: approved on 08/31/2023, by the LIFE Institute Board of Directors. Change of document layout and insertion of the new LIFE Institute logo.