



INITIATIVE

# LAZARUS

## EXECUTIVE SUMMARY



## THE SIXTH ANTHROPOGENIC EXTINCTION: CRITICAL FACTS

- 99.9% OF SPECIES HAVE GONE EXTINCT THROUGHOUT EARTH'S NATURAL HISTORY (3.5 BILLION YEARS)
- 1,000 TIMES FASTER IS THE CURRENT EXTINCTION RATE, ACCELERATED BY HUMAN ACTIVITY
- 1 MILLION SPECIES ARE CURRENTLY AT IMMINENT RISK OF EXTINCTION



## CONTEXT: FINANCIAL INNOVATION FOR NATURE

### 1. Market Context:

- Financial systems face significant material exposure: \$44 trillion in assets are at risk due to natural capital degradation (TNFD, 2024).
- Financing for nature requires structural innovation capable of mobilising institutional capital at the scale necessary to close financing gaps.

### 2. Institutional Response:

- Assets for Restoring Biodiversity (ARBs) represent an emerging category of verifiable financial instruments, indexed to ecosystem regeneration metrics.
  - Non-debt structure for custodian communities.
  - Preservation of local territorial sovereignty without resource privatisation.
  - Design aligned with international frameworks (GBF Kunming-Montreal) and institutional standards (PRI).

### 3. Value Proposition:

- These instruments are designed to transform environmental liabilities into assets with appreciation potential, capturing multi-dimensional value (natural, social, economic, human, intellectual) through independent verification.



## Why Now:

### Binding Regulation & Exponential Demand

#### 1. Systemic Asset Exposure:

- Private financing for nature reached \$102 billion in 2024, evidencing growing demand for verifiable instruments (UNEP-FI, 2024).
- Critical dependence on ecosystem services: 75% of global agricultural systems depend on threatened pollinators, representing \$577 billion annually in economic value.

#### 2. Regulatory and Disclosure Drivers:

- Accelerated adoption of disclosure frameworks (TNFD) and binding regulatory mandates (EU Nature Restoration Law with 30% target by 2030) generate structural demand.
- Financial institutions face increasing requirements for verifiable instruments that enable management and disclosure of biodiversity impacts.

#### 3. Issuance Characteristics:

- ARBs follow issuance protocols linked to verification of restoration milestones, designed to reflect measurable progress in ecosystem regeneration over time.



## ARB INSTRUMENT: FINANCIAL ASSET

### 1. Structural Foundation:

- An ARB is an intangible financial asset under international accounting standards (IFRS 9), backed by economic rights over measurable natural capital appreciation through standardised methodologies and independent third-party verification.
- Classified as a securitised instrument and identified by ISIN, ensuring eligibility for institutional capital markets.

### 2. Instrument Characteristics:

- Investors acquire economic rights over verified appreciation of multiple capital dimensions, without acquiring territorial or property rights.
- Investment horizon of up to 30 years, aligned with ecosystem regeneration cycles.

### 3. Financing Structure:

- The non-debt design mitigates default risks for custodian communities and preserves territorial sovereignty of natural assets.

### 4. Verification Protocols:

- Verification integrates natural biodiversity and socioeconomic dimensions, applying internationally recognised standards (GRI/IUCN/TEEB) through validated science and technology.
- The valuation of non-commercial benefits is negotiated jointly between the Parties to ensure equitable distribution, verifiable integrity, and asset preservation throughout its entire life cycle.



## ROLES AND SAFEGUARDS: LEGAL SEPARATION

### 1. Natural Capital Custodians:

- Maintain full ownership and territorial sovereignty.
- Direct beneficiaries of ecosystem restoration and generated co-benefits.
- Responsible for executing monitoring, reporting, and verification (MRV) systems.

### 2. Fiduciary Administrator:

- Green Cross United Kingdom performs independent administration functions, subject to approval by the Parties.
- Oversees milestone verification and compliance with established safeguards.
- Operates without acquiring rights over territory or instruments.

### 3. Institutional Investors:

- Acquire economic rights over the ARB instrument.
- Participate in verified appreciation without territorial or control rights.
- Access structured liquidity through periodic redemptions.

### 4. Legal Protection Architecture:

- Legal separation between territorial ownership, fiduciary administration, and economic rights.
- Structure designed to mitigate conflicts and preserve local sovereignty..



## INTEGRITY GUARANTEED: GOVERNANCE AND MRV

### 1. Governance Structure:

- Governance is articulated through an independent non-profit trust\*<sup>1</sup> (or equivalent structure) that acts as sole custodian of capital.
- This vehicle ensures:
  - That funds are exclusively destined for verified restoration, and
  - Integrated compliance with financial standards (IFRS) and social-environmental safeguards (FPIC, DNSH).

### 2. Traceability Infrastructure:

- Distributed ledger systems guarantee end-to-end traceability of transactions and verification of restoration milestones.
- Transparency protocols designed to mitigate governance risks and ensure operational integrity through independent auditing.

### 3. MRV Systems and Carbon-Biodiversity Separation:

- Integrated technologies include artificial intelligence, eDNA, satellite imagery, IoT sensors, digital modelling, field audits, and citizen science platforms.
- The ARB is backed exclusively by the valuation and verification of biodiversity, without including carbon. Independently, a world-class third party will establish a pilot programme for voluntary carbon credits (VCM) under recognised standards, managing both dimensions through separate protocols, avoiding double counting and ensuring maximum precision.

\*1. Trust or SPV or Escrow according to jurisdiction



## VALUE HORIZON: PHASES AND PIPELINE

### 1. Projected Development Phases:

- Initial Phase (Years 0-5):
  - Establishment of verified baseline.
  - Active implementation risk management.
- Development Phase (Years 6-15):
  - Materialisation of measurable co-benefits.
  - Potential emergence of secondary market.
- Consolidation Phase (Years 16-30):
  - Consolidation of restored ecosystem value.
  - Optionality of realisation mechanisms.

### 2. Pipeline Under Development:

- Natural capital restoration projects in process of structuring and eligibility assessment for financial instrumentalisation.
- Detailed pipeline information available under confidentiality agreements for qualified institutional investors.



## SCIENTIFIC EVIDENCE: YELLOWSTONE CASE

### 1. Documented Ecosystem Regeneration:

- The reintroduction of the grey wolf (1995) demonstrated verifiable regeneration processes through trophic cascades that restored ecosystem equilibrium. This case evidences how the recovery of a keystone species triggers measurable benefits across multiple dimensions—biodiversity, landscape health, and water services—that materialise and valorise over time.
- Estimated economic valuation increased from €3.4M to €4.8M per wolf between 2021-2022 (+41% year-on-year), with tourism benefits exceeding \$35M annually. This increase reflects the accumulated natural capital appreciation as restoration results became evident and quantifiable.

### 2. Results-Based Financial Instruments:

- Yellowstone illustrates the principle that instruments backed by natural regeneration can capture multidimensional appreciation. However, it highlights a critical condition: this appreciation is financially relevant only when linked to verifiable metrics of biodiversity restoration (natural and socioeconomic), ecosystem services, and non-commercial values, under robust measurement protocols.
- Yellowstone underscores the importance of an investment model that structures capital allocation and value realisation based on ecosystem recovery milestones independently verified, as the ARB architecture does.
- This verification model is replicable in other critical ecosystems globally.



## LIQUIDITY AND EXIT

### 1. Liquidity Structure:

- Fractional divisibility and annual redemption windows for institutional access.
- Potential for secondary markets between impact funds and pensions.

### 2. Corporate Applications and Accounting Treatment:

- Designed to meet recognition criteria as a financial asset in investors' financial statements, under international accounting standards (IFRS/IFRS 9 or equivalents), subject to its verifiable structure and contractual rights.
- Can serve as verifiable evidence in nature-positive corporate strategies, targeted at organisations with disclosure requirements.
- Applicable for entities requiring tangible impact demonstration under emerging frameworks (TNFD, CSRD) beyond voluntary carbon markets.
- To preserve instrument integrity and prevent greenwashing, any use in corporate communications requires independent validation by accredited third parties.

### 3. Options at Maturity:

- At the end of the 30-year horizon, ARBs offer flexibility in realisation mechanisms: from complete project transaction with possibility of market listing, to perpetual flow structures, enabling optimisation according to investor preferences for financial return and impact.



## COMPREHENSIVE POSITIVE IMPACT VALUATION

### 1. Integrated Measurement Dimensions:

- Natural Capital: Biodiversity metrics and verified provision of ecosystem services.
- Social Capital: Community development including employment generation, public health benefits, and strengthening of governance structures.
- Economic Capital: Direct and indirect economic benefits, including tourism activity, territorial valorisation, revenue optimisation, and operational efficiencies.
- Human and Intellectual Capital: Capacity development in custodian communities and generation of transferable methodological knowledge.

### 2. Alignment with Normative Frameworks:

- Designed for compatibility with recognised sustainability frameworks: ENVISION, TNFD, CSRD, EUDR, GBF (Kunming-Montreal), GRI, and ISSB, with case-specific assessment.
- ENVISION: Institute for Sustainable Infrastructure
- TNFD: Taskforce on Nature-related Financial Disclosures
- CSRD: Corporate Sustainability Reporting Directive
- EUDR: European Union Deforestation Regulation
- GBF: Kunming-Montreal Global Biodiversity Framework
- GRI: Global Reporting Initiative
- ISSB: International Sustainability Standards Board



## SACRED LAKE - VITALES PIONEER PROJECT

### SANITATION TECHNOLOGY AND BIODIVERSITY RESTORATION

#### 1. UNESCO Heritage – tentative list -:

- 70% reduction in biodiversity over 40 years.
- Direct dependence of > 2 million people.
- Pollution levels > 300% WHO baseline.

#### 2. Project Under Development:

- Biodiversity restoration across 1,750 hectares.
- Sanitation Barge (USA) + Biodiversity Regeneration Services (local) + Community Management.
- JetLife Tech, MRV, eDNA, web3, others.

#### 3. Investment & Projections<sup>\*1</sup>:

- CAPEX: \$12M | Annual OPEX: \$0.64M.
- Period: 30 years | ROI: 5 years | IRR: > 25%.
- Direct revenues: >\$150M.
- Additional non-accounted value: > \$190M.

#### 4. Technical Guarantees:

- Methodologies: TEEB + Volumetric Val. + ENVISION.
- Intl. Certifications and External Audits.

<sup>\*1</sup>: Figures obtained from conservative analysis; parameters shared with investor to customise financial model.



## NEXT STEPS!

### 1. For Institutional Investors:

- Access to extended technical documentation and due diligence analysis.
- Confidential evaluation sessions with financial structuring teams.



### 2. Natural Asset Custodians:

- Preliminary assessment of eligibility criteria for ecosystem restoration projects.
- Technical and financial viability analysis under confidentiality agreements.

### 3. About Green Cross United Kingdom:

- Organisation founded in 1993 by Mikhail Gorbachev, Nobel Peace Prize laureate.
- Non-profit entity with Special Consultative and Observer status at the United Nations.
- Over 30 years driving solutions for environmental security and sustainable development.

### 4. Contact Information:

 [joinus@green-cross.org.uk](mailto:joinus@green-cross.org.uk)  
 <https://green-cross.org.uk/>





**LET'S DO SOMETHING INCREDIBLE TOGETHER FOR THE SOCIETY  
AND THE PLANET, STARTING BY STAYING IN TOUCH:**

**[JOINUS@GREEN-CROSS.ORG.UK](mailto:joinus@green-cross.org.uk)**

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