



## SDG BLOCKCHAIN ACCELERATOR

### Impact Measurement Framework – Template

## 1. Project Information

- **Project Name:** Unicorn
- **Challenge & UNDP Office:** UNDP OP CCIT
- **Document Version:** 1

## 2. SDG Alignment

*(Specify which UN Sustainable Development Goals your project addresses. Include the specific targets and indicators.)*

**Example:**

- **SDG 13: Climate Action**
  - Target: Reduce carbon emissions through verified tokenized offsets
  - Indicator: Tons of CO<sub>2</sub> offset per transaction
- **SDG 12: Responsible Consumption and Production**
  - Target: Encourage transparent reporting of carbon credits
  - Indicator: Number of verified carbon credits minted on-chain

## 3. Key Performance Indicators (KPIs)

*(Define measurable indicators that show your project's impact.)*

**Examples:**

KPI	Measurement Method	Target / Threshold	Notes
Number of successful validator transactions	Cardano transaction logs	95%+ success rate	Monitored via Ogmios
Tokens minted representing carbon credits	On-chain ledger	50,000 credits in first year	Each token represents 1 ton CO <sub>2</sub>

Active users onboarded	Backend dashboard	1,000 users	Tracked via wallet addresses
Carbon offset verified	Oracles or off-chain audit	100% verification	Use external data sources

## 4. Tracking Methods

*(Describe how you will monitor and collect data for KPIs.)*

- **On-chain Metrics:**
  - Transaction success rate (via cardano-cli or Ogmios)
  - Tokens minted / burned
  - UTxO state changes
- **Off-chain Metrics:**
  - Dashboard monitoring user activity
  - External reporting oracles
  - Surveys or audits (if applicable)

### Example:

All minted tokens will be logged via Ogmios and cross-checked with the dashboard every week. Carbon offsets verified by partner oracles will be reported quarterly.

## 5. Baseline vs Projected Outcomes

*(State your starting point and what you expect to achieve.)*

### Example:

Metric	Baseline	Projected Outcome
Carbon credits minted	0	50,000/year

Active users	0	1,000
Transaction success rate	N/A	≥95%

## 6. Monitoring & Reporting Plan

*(Define who is responsible for reporting, how often, and what format.)*

**Example:**

- **Frequency:** Quarterly reporting
- **Responsible Party:** Project Manager / Blockchain Ops Team
- **Format:** On-chain logs + dashboard summary + PDF report for stakeholders
- **Tools:** Ogmios, Kupo, internal reporting dashboard

## 7. Risks & Mitigation

*(Optional: outline potential risks in measuring impact and how you will address them.)*

**Example:**

- Risk: Delayed oracle updates
  - Mitigation: Redundant oracle feeds
- Risk: Data inconsistency between on-chain/off-chain
  - Mitigation: Weekly reconciliation script