



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 CO₂ 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 ₂

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