ecoPulse

Program: EcoPulse 12-Month Program (with an initial 90-Day Pilot Phase)
Region (MVP): Nigeria (Final pilot communities selected with implementing partners)
Contact: info@ecopulse.app

1. Executive Summary

Environmental hazards like unmanaged waste and blocked drainage often persist because the evidence is fragmented, hard to verify, and difficult to coordinate into action. EcoPulse is a community-driven platform that turns on-the-ground reports into structured, verified, and privacy-respecting evidence that partners can trust. This allows responses to be prioritized, tracked, and continuously improved.

This program is structured as a 12-month partnership, beginning with a focused 90-day pilot phase. The goal of this pilot is "Proof of Concept": demonstrating that communities will report consistently, verification remains reliable, and partners can coordinate response workflows with measurable outcomes.

2. Pilot at a Glance

Category	Description	Deliverables
Duration	12 months total	A repeatable, partner-owned model
Pilot Phase	First 90 days	Validated workflow, baseline metrics, and playbook
Focus Issues	Waste, Litter, Drainage, & Flood Risk	Verified reports, photo evidence, hotspot insights
Trust Model	Community Threshold: 2	High signal-to-noise ratio for partners
Privacy	Minimal data / Anonymous support	Safer participation and stronger adoption
Partner Value	Accountability & Funding Evidence	Exports, dashboards, and reporting artifacts

3. Strategic Context
Why This Program, Why Now?
- *Climate Volatility:* Urban growth and unpredictable weather are turning routine drainage issues into cascading public health risks.
- *Local Truth:* Communities see issues first but lack a trusted channel to trigger a coordinated response.
- *Defensible Evidence:* Partners require time-stamped, location-based records with before/after documentation to justify funding and resources.

4. Partnership Ecosystem
✓ Primary Partners
✓ Community-Based Organizations (CBOs)
✓ Environmental and WASH NGOs
✓ Resident Associations and Community Champions
✓ Minimum Partner Readiness
✓ Focal Point: One named coordinator.
✓ Champions: 5–15 volunteers for onboarding and verification.
✓ Pathway: A defined response method (municipal or community-led).
✓ Touchpoint: Weekly 30–60-minute coordination meeting.

5. How EcoPulse Works
- Report: Residents submit photos, location data, and descriptions.

- Verify: Two independent community members must verify the report to trigger partner notifications.
- Coordinate: Partners triage, assign, and track the status of the issue via the dashboard.
- Improve: Monthly reviews of data trends to optimize the response loop.

6. 90-Day Pilot Roadmap

Phase 1: Onboard & Launch (Weeks 1–2)
- Alignment on scope, boundaries, and escalation paths.
- Training for champions and response focal points.
- Deliverables: Onboarding toolkit and baseline issue notes.

Phase 2: Operate & Stabilize (Weeks 3–6)
- Weekly triage clinics to review verification quality.
- Implementation of response logging standards.
- Deliverables: Weekly snapshot reports and early hotspot mapping.

Phase 3: Optimize & Strengthen (Weeks 7–10)
- Refining triage rules based on severity and feasibility.
- Building partner playbooks for escalation.
- Deliverables: Updated operating playbook and SLA targets.

Phase 4: Evaluate & Publish (Weeks 11–13)
- Performance analysis and recommendations for the scale-up phase.
- Deliverables: Pilot Evaluation Summary and Scale Blueprint.

7. Success Metrics & KPIs

Metric	Definition	Pilot Target
Submission Volume	Total reports created	25–150 / week
Verification Rate	% of reports reaching "Verified" status	30–70%
Time to Verify	Median time from report to verification	< 24–72 hours
Response Initiation	% of verified issues with a logged action	40–80%
Community Trust	Pulse survey score vs. baseline	Positive Trend

8. Data Governance & Privacy

EcoPulse is built on a Privacy-by-Design philosophy:
- Metadata Stripping: All EXIF data (including GPS in photos) is removed before storage.
- Anonymous Flows: Reporting is supported without requiring invasive device fingerprinting.
- Guidance: Users are trained to avoid capturing faces or sensitive personal identifiers in photos.

9. Risks & Mitigations
- Low Adoption: Mitigated by champion-led onboarding and simplified mobile steps.
- Verification Integrity: Mitigated by spot-check audits and the "Power of 2" verification threshold.
- Partner Non-Response: Mitigated by pre-defined escalation ladders and weekly triage meetings.

10. Contact & Next Steps
To join the pilot or request a demo, please contact the EcoPulse team:

Email: info@ecopulse.app

Website: www.ecopulse.app