

MALAWI 2026

CLEAN AIR. DEFENSIBLE EVIDENCE.

ACCOUNTABLE ACTION.

Independent environmental evidence-governance technical reference | Version 1.0 | 10 October 2026

STATUS: INDEPENDENT PRE-EXAMINATION - BASELINE NOT FROZEN - NO FORMAL DISPOSITION.

This reference is a TA14-created teaching and examination proposal. It is not commissioned, approved, affiliated with, or endorsed by the Government of Malawi, Clean Air One Atmosphere, OpenAQ, EPIC, the University of Chicago, or any other institution. All example measurements, decisions, interventions, people, and outcomes are hypothetical unless independently sourced and identified.

Purpose

Explore the boundary between outdoor PM2.5 observation, preserved atmospheric evidence, regulatory interpretation, locally established authority, authorized intervention, and measured outcome. The proposal complements open-data infrastructure; it does not replace monitoring systems, scientific expertise, legal processes, or public authorities.

Canonical governing question

Does this proposed consequence have sufficient Admissible Evidence, Applicable Authority, and Established Standing to become reality NOW?

Architecture

Reality → Record → Continuity → Admissibility → Binding → Commit → Execution → Outcome.

Observed is not inferred. Inferred is not authorized. An admissible input does not automatically create an admissible output.

Eight-stage educational examination

01 | The air before the number

The atmosphere and the people affected by it exist independently of the monitoring system.

02 | The measurement

Preserve instrument identity, site, time, operating conditions, validation, uncertainty and measurement limitations.

03 | Atmospheric Integrity Record (AIR)

Retain raw records and separately versioned corrections, calibrations, aggregations and transformations with provenance.

04 | The evidence crossing

Separate observations from analysis and inference; test fitness for the specific claim or proposed consequence.

05 | The authority boundary

Identify applicable law, policy, jurisdiction, institutional competence, standing, approval conditions and scope.

06 | The Karonga decision

Use a clearly hypothetical district-level intervention to test whether evidence and authority are sufficient.

07 | The authorized consequence

Document ALLOW, HOLD, DENY or ESCALATE, the rationale, decision maker, bounded scope and execution conditions.

08 | The outcome must prove itself

Verify implementation, compare results to baseline, preserve uncertainties and establish the next evidence record.

Evidence package: minimum examination fields

- Observation: original values, units, timestamps and time zone
- Instrument: manufacturer, model, identifier, firmware and operating state
- Site: coordinates, siting description, surrounding sources and conditions
- Quality: calibration/verification, QA/QC flags, missingness and uncertainty
- Lineage: raw-versus-adjusted records, methods, versions and responsible actors
- Claim: specific proposition, time period, aggregation and limits
- Authority: relevant legal basis, jurisdiction, standing, approvals and conditions

- Consequence: disposition, decision record, executor, scope and outcome measures

Hypothetical Karonga examination - NOT a real decision

Proposition: A district stakeholder proposes a bounded clean-cooking or school ventilation intervention following a review of local PM2.5 observations and supporting contextual evidence. The example does not assert any specific exposure level, adopted regulation, authorized program or achieved reduction.

Decision gate

- What exactly was observed, where, when, and by which instrument?
- Which conclusions are inferred, and what additional evidence supports them?
- What are the limitations, uncertainty and alternative explanations?
- Which Malawi authority has jurisdiction for this precise proposed action?
- Who has standing to request, recommend, approve, implement and review it?
- What is the bounded execution scope, budget, safeguards and verification plan?

Possible dispositions

ALLOW	Evidence, authority and standing established; execute only within documented scope.
HOLD	Required evidence, verification or clarification is incomplete.
DENY	The proposition fails a material evidence or authority requirement.
ESCALATE	The decision belongs to a different or higher accountable authority.

Local authority is not assumed

Any real pilot must first verify current Malawi legislation, implementing regulations, competent ministries, district mandates, and any applicable procedural or public-health requirements with qualified local counterparts. This reference does not render a legal opinion or authorize action.

Proposed bounded technical demonstration

A voluntary demonstration could select one existing, legitimately accessible PM2.5 data stream and one explicitly defined policy-relevant question. It would preserve the observation lineage, examine evidence sufficiency, map claimed decision authority, and document the limits of any proposed consequence. No live regulatory determination is made by TA14.

Suggested work sequence

1. Identify an accountable institutional contact and confirm permission to examine a data stream.
2. Freeze the scope, baseline, data-access conditions and explicit non-endorsement language.
3. Establish provenance and reproduce any transformations without overwriting raw values.
4. State the proposed claim and independently examine uncertainty and alternative interpretations.
5. Obtain local review of the legal and institutional authority map.
6. Produce a bounded examination record and disposition; verify any actual outcome only if a locally authorized action occurs.

Conditions for moving beyond pre-examination

A formal pilot requires an identified local sponsor, agreed scope, data provenance, documented permissions, validated authority and standing, and an auditable review process. Until then: **HOLD - no formal disposition or authorized intervention.**

References and contact

TA14 Exchange: <https://www.ta14exchange.com>

Independent EPIC evidence-to-consequence demonstration:

<https://www.ta14exchange.com/showrooms/epic-air-quality-fund>

EPIC Air Quality Fund: <https://aqfund.epic.uchicago.edu/>

Technical inquiries: ta14admissibleexecution@gmail.com

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