

CIVILIZATIONAL HEALING PROJECT

TRANSFORMATIONAL LABORATORIES PROTOCOL v1.0

From Civilizational Healing Theory to Bounded, Life-Grounded Praxis

With Living Coordination as the Necessary Affective-Relational Substrate

A pre-implementation governance, inquiry and learning protocol

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Executive Summary

CENTRAL PROPOSITION A Transformational Laboratory is a bounded, governed, real-world inquiry in which affected communities, responsible institutions, practitioners and researchers jointly test whether a specified change can reduce organized life-disconnection, strengthen life-capacities and improve collective learning without reproducing domination or displacing severe avoidable burdens.

The setting and its institutional relationships constitute the laboratory; people and communities are not experimental objects. The protocol therefore governs a relationship among inquiry, authority, protection, action, consequence and learning. It does not authorize experimentation upon populations, suspend ordinary rights or replace applicable law, research ethics, professional duties, Indigenous rights, environmental review or democratic authorization.

This protocol begins where the seven canonical works leave the project: the Foundational Layer and first Transformational Studies layer are complete; T4 is the capstone of that layer; there is no T5. Transformational Laboratories are the next distinct layer, where the architecture becomes vulnerable to reality. A laboratory may support, narrow, revise or contradict bounded propositions. It is never a demonstration staged to confirm the framework.

Living coordination is added here as the necessary affective-relational substrate of Civilizational Healing. It is not an eighth work, a tenth logical level or another stage in either recursive grammar. It is the recurrent, embodied and power-aware capacity to preserve dignity and standing, create sufficient safety for truthful conflict, demonstrate trustworthiness, coordinate care and action across difference, and revise the coordination itself in light of consequences. It is necessary but not sufficient: material resources, enforceable rights, competent institutions, ecological viability and legitimate authority remain indispensable.

The protocol in twelve commitments

1. **Reality before confirmation.** Consequences, dissent, refusal, null findings, failure and anomaly may change the intervention or theory.
2. **Affected people possess authority.** Participation must influence framing, burdens, indicators, decisions, interpretation, pause, remedy and renewal.
3. **Protection precedes intervention.** Protective margins, refusal, exit, remedy and stopping capacity are funded and usable before material action begins.
4. **Living coordination is a readiness condition, mechanism and outcome.** It is profiled without equating harmony, trust or civility with healing.
5. **Action is bounded; observation is permeable.** The intervention has explicit limits, while consequence tracking extends far enough to detect burden displacement.

6. **Power is treated as causal.** Authority, resources, incumbency, dependency, agenda control, recognition power and obstruction capacity are mapped and counterweighted.
7. **The least-dominating effective means governs action.** The harms of action and inaction are compared; coercion, intrusion and centralization are minimized without protecting an injurious status quo.
8. **No single score defines healing.** Evidence remains disaggregated across life-ground, justice, relational, institutional, ecological, epistemic and learning domains.
9. **Independent review can pause or stop.** Implementers, sponsors, vendors and AI systems may not review or authorize themselves.
10. **AI remains assistive and non-sovereign.** Capability never becomes authority; responsibility, contestability, provenance, remedy and a non-AI pathway remain human and institutional.
11. **Repair follows harm and breach.** Stopping is not enough: acknowledgement, restoration, compensation, correction, transition and prevention of recurrence remain duties.
12. **Every cycle sunsets.** Continuation, scaling and transfer require new evidence, new affectedness mapping and renewed authorization.

Status and intended use

Protocol v1.0 is a pre-implementation constitutional and methodological framework. It is intended for affected communities, public and civil-society institutions, practitioners, researchers, funders, ethics and safeguards reviewers, and boundary institutions considering a bounded Transformational Laboratory.

1. **MUST** marks a non-negotiable requirement for qualification, authorization, protection, evidence or accountability.
2. **SHOULD** marks the default unless a documented contextual reason justifies another approach.
3. **MAY** identifies an admissible option whose appropriateness depends on context, risk and authority.
4. **MUST NOT** marks a red line outside legitimate Transformational Laboratory practice.

SITE-SPECIFIC REQUIREMENT No intervention may proceed under this generic protocol alone. Every proposed Laboratory requires a site-specific Charter and addendum specifying the setting, affected parties, authority, risks, protective margins, intervention, evidence plan, stop rules, data and AI use, remedies and closure duties.

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Part I — Constitutional Architecture

1. The threshold from theory to praxis

The seven canonical works establish a life-grounded normative grammar, a research architecture, a diagnosis of civilizational fragmentation, and four transformational capacity domains: politics and power; reflexive institutions; conflict repair and non-domination; and AI within the epistemic commons. A protocol becomes necessary because conceptual coherence does not itself create legitimate authority, relational capacity, operational competence, protective margins, evidence or repair.

COMPETENCE PROBLEM Competent parts can generate pathological wholes. A Laboratory must therefore examine not only whether each actor performs its assigned function, but whether consequences, responsibility, knowledge, authority and learning remain disconnected across institutional boundaries.

The empirical programme must be deliberately modest in its first claims. It may investigate bounded healing episodes, not 'civilization' as a single experimental object. Results begin as local and conditional. Transfer beyond the setting is a new inquiry requiring new authorization.

2. Position in the nested logical architecture

Canonical sequence: Life-Ground → Civilizational Viability → Civilizational Healing → Research Architecture → Reflexive Civilizational Intelligence → Transformational Capacities → Transformational Laboratories → Consequences → Learning / Reconfiguration ↻

1. **Life-Ground.** Life and the biophysical, social, relational, cultural and ecological conditions required for life-capacities to flourish.
2. **Civilizational Viability.** The ongoing ability of civilizational systems to sustain life, justice, mutuality, diversity and ecological integrity.
3. **Civilizational Healing.** The recursive practice of recognizing and transforming conditions that generate unnecessary suffering, injustice, disablement and ecological destruction.
4. **Research Architecture.** The plural methods, domains, safeguards, units of analysis and disciplines that make claims investigable and corrigible.
5. **Reflexive Civilizational Intelligence.** The cultivated capacity of civilization to perceive itself, relate distributed knowledge, model consequences, evaluate trajectories and learn collectively.
6. **Transformational Capacities.** The political, institutional, reparative, epistemic, material and collective capacities required to move from recognition to legitimate and durable change.
7. **Transformational Laboratories.** Bounded real-world settings where the architecture is operationalized, tested, contested and refined.
8. **Consequences.** Observed effects across persons, communities, institutions, societies, ecosystems, places, species and future generations.

9. Learning / Reconfiguration $\cup$. Evidence, affected experience, dissent, refusal, failure and unintended consequences revise diagnosis, institutions, theory and action.

ARCHITECTURAL BOUNDARY These are nested logical levels, not papers. Living coordination crosses Life-Ground, viability, transformational capacities and Laboratories; it does not become a new level.



Figure 1. Canonical Master Diagram v1.0. The Laboratory layer follows—not extends—the seven-work publication architecture.

3. Three nested cycles with different functions

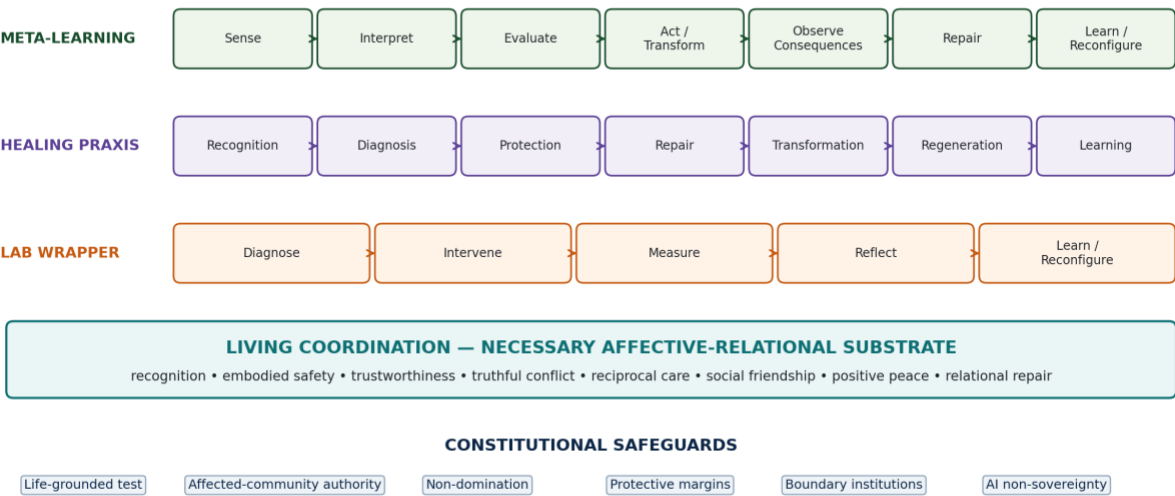
The protocol preserves two canonical recursive grammars and one operational wrapper. They must not be collapsed.

Cycle	Canonical sequence	Function
Meta-learning / Civilizational Learning Loop	Sense → Interpret → Evaluate → Act/Transform → Observe Consequences → Repair → Learn/Reconfigure $\cup$	Governs how the whole Laboratory and wider project encounter consequences and revise themselves.

Cycle	Canonical sequence	Function
Healing / Intervention Grammar	Recognition → Diagnosis → Protection → Repair → Transformation → Regeneration → Learning ↻	Governs the inner healing praxis so that transformation cannot bypass recognition, protection or completed repair.
Laboratory Inquiry Wrapper	Diagnose → Intervene → Measure → Reflect → Learn/Reconfigure	Organizes implementation and reporting; it is neither a replacement grammar nor a claim of linearity.

TRANSFORMATIONAL LABORATORY PROTOCOL ARCHITECTURE

Two recursive grammars, one operational wrapper, and a living relational substrate



Life-Ground → bounded action → distributed consequences → evidence, dissent, refusal, failure and anomaly → repair and reconfiguration

Figure 2. Protocol architecture. All three cycles are recursive and non-linear; living coordination enables but does not replace them.

4. What a Transformational Laboratory is—and is not

CANONICAL DEFINITION A Transformational Laboratory is a bounded, governed, real-world inquiry in which affected communities, responsible institutions, practitioners and researchers jointly test whether a specified change can reduce organized life-disconnection, strengthen life-capacities and improve collective learning without reproducing domination or displacing severe avoidable burdens.

Property	Protocol meaning
Bounded	Place, population, institutions, mechanisms, intervention, duration, authority, data and expected consequence perimeter are explicit.
Situated	History, culture, ecology, power, dependency and prior injury are part of the causal context.

Property	Protocol meaning
Co-governed	Affected constituencies possess real authority; responsible institutions remain answerable for duties and resources.
Protective	Safeguards, margins, refusal, remedy and pause capacity precede intervention.
Empirical	Claims, mechanisms, rivals, indicators, thresholds and failure conditions are registered and tested.
Corrigible	Consequences can alter diagnosis, methods, roles, intervention, institution and theory.
Publicly accountable	A versioned record preserves reasons, dissent, harms, repairs, negative findings and limits on transfer.

A Transformational Laboratory is not:

1. a pilot whose success has been predetermined;
2. a population or community treated as an experimental object;
3. a consultancy, communications campaign or innovation sandbox exempt from ordinary accountability;
4. a deliberative forum without authority, action or consequence tracking;
5. therapy, compulsory reconciliation or a programme for correcting allegedly defective people or cultures;
6. a single institution, ideology, technology or intelligence claiming authority over the whole;
7. a restoration of every former condition, a final social ideal or the elimination of legitimate conflict; or
8. evidence that the Civilizational Healing architecture has been validated merely because a Laboratory was launched or completed.

NON-TOTALIZING BOUNDARY Regeneration is not a return to a lost order; integration is not centralization; healing is not therapeutic sovereignty.

5. Constitutional tests and cross-cutting principles

Test	Question every claim and intervention must answer
Life capacity	Does the intervention protect, restore or enlarge life-capacities and the conditions required for flourishing?
Non-displacement	Does an apparent gain export severe avoidable burdens to other people, places, species, systems or future generations?
Corrigibility	What evidence, dissent, refusal, failure or unintended consequence would alter the diagnosis, action, institution or theory?

Cross-cutting principles:

1. life-grounded evaluation

2. justice and equity
3. plurality of knowledges
4. precaution and responsibility
5. transparency and accountability
6. subsidiarity and participation
7. care for future generations
8. affected-community authority
9. non-domination
10. non-displacement
11. living coordination
12. repair and responsible closure

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Part II — Living Coordination

6. The necessary affective-relational substrate

WORKING DEFINITION Living coordination is the recurrent, embodied and power-aware capacity of differently situated persons, communities and institutions to recognize one another as beings of equal dignity and legitimate standing; perceive shared conditions from plural standpoints; coordinate action without coercive assimilation; surface conflict truthfully; care responsively for vulnerability and interdependence; and revise the rules, roles, purposes and power relations through which coordination itself occurs in light of consequences for life.

It is 'living' because the participants are embodied, interdependent, affected by the process and capable of changing it. It is reflexive because they coordinate not only actions but the coordination of their coordination in action. Maturana's account of languaging as recursive coordination of coordination provides an important conceptual lineage, while positive peace, social friendship, recognition, psychological safety, trustworthiness, relational coordination and democratic care clarify complementary structural, civic, institutional and affective dimensions (Maturana, 1988; Galtung, 1969; Gittell, 2002; Edmondson, 1999; Fraser, 2000; O'Neill, 2018; Tronto, 1993; Francis, 2020).

The term is the Civilizational Healing Project's integrative working construct, not an established standalone theory. Its causal role must be specified and tested rather than presumed.

7. Normative boundary and empirical hypothesis

The protocol distinguishes two claims:

1. **Normative constitutive rule.** A process relying on humiliation, coercion, unanswerable power or retaliatory exclusion cannot count as Civilizational Healing, even if it produces desirable technical outputs.

2. **Empirical causal hypothesis.** Durable, life-grounded, non-dominating and corrigible transformation is more likely when living coordination is sufficiently present and strengthened.

The first states the project's ethical commitments. The second is testable and may be narrowed, revised or rejected. In any Laboratory, living coordination may operate as:

1. a readiness condition: minimum relational conditions for ethical participation are present;
2. a mechanism cultivated during the intervention; and
3. an outcome that may be strengthened, damaged or left unchanged.

ANTI-CIRCULARITY RULE The Laboratory **MUST** state in advance which of these roles living coordination is expected to play, which evidence would support that role, and what rival mechanisms could explain the result.

8. Essential distinctions

Misinterpretation	Protocol distinction
Not consensus	Bounded joint action may proceed amid principled disagreement, minority reports and appeal.
Not harmony	Anger, grief, refusal and visible conflict may indicate that suppressed reality has gained standing.
Not therapeuticization	Structural injustice must not be reframed as individual trauma, poor communication or defective attitudes.
Not coercive civility	Norms prohibit threat and degradation without tone-policing justified anger or challenges to authority.
Not interpersonal warmth	Friendliness can coexist with exploitation; power, resources, burdens and life chances remain the test.
Not compulsory trust	Mistrust may be rational. Institutions bear the burden of becoming demonstrably trustworthy.
Not intimacy, forgiveness or reconciliation	Safe distance, separation, refusal or protective constraint may be just outcomes.
Not paternalistic care	Good intention is insufficient; affected people help define need and evaluate responsiveness.
Not cohesion at any price	Cohesion stabilizing exploitation, exclusion or silence is pathological coordination.
Not endless dialogue	Living coordination must eventually alter conduct, authority, resource flows or institutions and meet consequences.

9. Social friendship, positive peace and living coordination

The three concepts are complementary, not interchangeable:

1. **Positive peace** names a structural-relational condition and evaluative horizon: reductions in direct and structural violence, increased justice and enlarged realizable life chances.
2. **Social friendship** names a civic orientation and practice: inclusive regard, reciprocal standing and commitment to common goods across difference, without requiring private friendship or agreement.
3. **Living coordination** names the generative process through which social friendship may be enacted and tested against the demands of positive peace.

RELATIONAL SUFFICIENCY WARNING Social friendship without structural change risks benevolence inside injustice. Positive peace administered without relational participation risks paternalism. Living coordination without material, legal and institutional capacity risks symbolic participation.

10. Eight dimensions of the living-coordination profile

Recognition and dignity

Affected persons participate as co-interpreters and co-authors. Evidence includes shared agenda-setting, correction rights and accessible participation. Sentinel failures include humiliation, tokenism, stereotyping and essentialized identity.

Embodied and relational safety

Participants can dissent, pause or exit without disproportionate penalty. Evidence includes non-retaliation, confidential channels, accommodations and independent support. Sentinel failures include threats, forced disclosure and participation tied coercively to livelihood or services.

Institutional trustworthiness

Authority, limits, conflicts and commitments are visible, and breaches generate repair. Evidence includes reasons, kept commitments, data return and grievance completion. Sentinel failures include demands for trust, concealed authority and repeated unremedied breach.

Truthful conflict and epistemic pluralism

Consequential disagreement reaches decision-makers and can alter action. Evidence includes minority reports, appeals and revisions after challenge. Sentinel failures include manufactured consensus, tone policing, selective evidence and epistemic closure.

Social friendship and positive peace

Human standing is preserved across difference while direct and structural harms decline. Evidence must include fairer burdens, reduced exposure and improved life chances. Sentinel failures include factional bonding against outsiders and reconciliation without justice.

Reciprocal care and interdependence

Needs and care burdens are defined with affected people and resourced. Evidence includes compensation, accessibility, caregiver protection and recipient-responsive change. Sentinel failures include care dumping, paternalism, burnout and displaced emotional labour.

Power-aware participation and non-domination

Power asymmetries are named, counterweighted and contestable. Evidence includes transparent budgets, agenda rights, community pause powers and independent advocacy. Sentinel failures include sponsor override, elite capture, false symmetry and dependency-based coercion.

Reflexive coordination and repair

Participants can revise rules, roles, aims and authority when consequences contradict assumptions. Evidence includes completed remedies and changed procedures. Sentinel failures include immutable protocols, symbolic learning and dependency on a charismatic facilitator.

11. Measurement, readiness and failure conditions

Living coordination **MUST** be assessed as a profile, never a compensating composite score. Warmth or reported cohesion cannot offset coercion, retaliation, rights loss or domination. The evidence profile **SHOULD** combine:

1. **Experiential evidence.** Confidential accounts of agency, safety, dignity, burden, refusal and ability to dissent.
2. **Interactional evidence.** Observation of agenda control, speaking and silence, interruption, challenge uptake, conflict handling and repair.
3. **Institutional evidence.** Decision rights, resources, commitments, grievance outcomes, representation, data governance and rule changes.
4. **Life-ground evidence.** Distribution of health, livelihood, ecological, social and intergenerational consequences.
5. **Longitudinal evidence.** Baseline, repeated pulse checks, event-triggered review, close-out and follow-up after facilitation ends.

The following questions are mandatory probes:

1. Can a less-powerful participant contradict a powerful actor without losing access, status, livelihood or service?
2. Whose testimony materially changed the diagnosis?
3. Who can pause or revise the intervention?
4. What commitments were broken, and what repair followed?
5. Who carries relational, care, time and emotional labour?
6. Did capacities persist after researchers or facilitators withdrew?

7. Did material conditions and life chances change, or only attitudes and language?

PROHIBITED MEASUREMENT Physiological surveillance, covert sentiment analysis, biometric emotion recognition and AI-derived 'relational health' scores **MUST NOT** be used to infer consent, credibility, safety or willingness.

ANTI-COERCION READINESS RULE No person or constituency may be classified as unready because of anger, mistrust, refusal, disability, communication style, internal disagreement, unwillingness to forgive or reconcile, or preference for distance or separate representation. A red or amber finding **MUST** identify the institutional, material, power or procedural condition requiring repair and the responsible duty-bearer, resource and deadline; it **MUST NOT** locate the deficit in affected people. Relational work is voluntary, separately consented, compensated where burdensome and never a condition of ordinary service, benefit, employment or remedy. No forced encounter, disclosure, contact, mediation, forgiveness, emotional performance or recording of confidential relational work is permitted. Complaints against the convenor bypass the convenor and go directly to independent safeguards review.

Evidence counting strongly against the causal living-coordination hypothesis includes:

1. durable, equitable and reflexively adaptive transformation repeatedly occurring despite persistent absence of the specified relational conditions;
2. improved relational ratings without increased agency, learning, repair or life-ground benefit for less-powerful participants;
3. greater cordiality while unequal burdens, suppressed dissent or domination persist;
4. outcomes collapsing when an exceptional facilitator, funder or charismatic leader withdraws;
5. relational practices producing conformity, paralysis, dependency, exhaustion or care dumping;
6. harms being displaced to absent populations, ecosystems or future generations;
7. measures repeatedly classifying coercive but polite settings as healthy; or
8. resources, enforcement, selection effects or institutional redesign explaining outcomes better than living coordination.

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Part III — Qualification, Authority and Safeguards

12. Qualification: the Q1–Q10 hard gate

Qualification is a threshold judgment, not a compensating score. A candidate remains preparatory inquiry—not an active Transformational Laboratory—until every essential criterion is met.

Criterion	Minimum evidence
Q1 · Life-grounded problem	A named avoidable injury or organized life-disconnection is supported by affected testimony and credible evidence.

Criterion	Minimum evidence
Q2 · Bounded setting	Place, people, institutions, mechanisms, intervention, duration, authority, data and consequence perimeter are sufficiently defined.
Q3 · Affected-community authority	A legitimate, plural and resourced body can shape framing, burdens, indicators, interpretation, pause, remedy and renewal.
Q4 · Duty-bearing institution	At least one responsible institution possesses relevant authority, resources, obligation and operational capacity.
Q5 · Inquiry and intervention fitness	A bounded causal proposition, rival explanations, feasible action and explicit supporting, weakening and falsifying observations exist.
Q6 · Protective margins	Material, legal, relational, ecological, epistemic and institutional buffers are specified and funded before intervention.
Q7 · Refusal, exit, grievance and remedy	These routes are understandable, safe, independent where needed and usable without disproportionate penalty.
Q8 · Living-coordination readiness	Minimum conditions for truthful participation exist, or a protection-first preparatory phase is authorized without exposing people to material intervention.
Q9a · Boundary institution fitness	Translation, record carriage, accessibility and cross-boundary coordination have a documented mandate, selection method, funding, conflict controls, information access, correction duties and accountability to affected constituencies.
Q9b · Independent safeguards and review fitness	A legally and operationally independent reviewer has protected funding, direct access to participants, records and sites, confidential reporting channels, appeal jurisdiction, temporary-pause authority and authority to publish reasons.
Q10 · Corrigibility and public learning	Evidence, dissent, null findings, harms, repairs, closure and theory revision will enter a versioned record.

MINIMUM VIABLE DOES NOT MEAN MINIMALLY PROTECTED A Minimum Viable Laboratory may be small in scale, duration or intervention intensity. It **MUST NOT** dilute affected-community authority, safeguards, remedy, evidence integrity, independent review or stopping capacity.

13. Automatic exclusions and red lines

1. coerced, deceived or materially compelled participation;
2. withholding established protection, care, rights or basic necessities for experimental leverage;
3. plausible catastrophic, uncontrollable or substantially irreversible harm;
4. retaliation, intimidation, forced disclosure or unsafe refusal and exit;
5. covert manipulation, surveillance, psychographic targeting or biometric emotion inference;
6. predetermined success, suppressed adverse findings or sponsor control over publication;
7. absence of an accountable duty-bearer or credible remedy capacity;
8. diagnosis of an essentialized people, identity or culture as the pathology;

9. lack of meaningful protection for dissenters, internal minorities or absent affected interests;
10. predictable export of severe avoidable burdens to other groups, places, species or generations;
11. proprietary restrictions that prevent audit, correction, remedy, exit or safety disclosure;
12. AI holding political, ethical, diagnostic, consent, grievance, sanction or continuation authority; or
13. continuation after loss of authorization, mandatory pause threshold or sunset.

NO-GO RULE A red condition in affected-community authority, refusal and exit, protective margins, remedy, independent review or non-displacement is a no-go. It cannot be offset by strong scores elsewhere.

14. Bounded intervention with permeable observation

Every Charter **MUST** define:

1. the injury or organized life-disconnection under inquiry;
2. persons, communities and ecologies affected;
3. place, scale, institutional interfaces and historical horizon;
4. causal mechanism, rivals and boundary conditions;
5. the intervention envelope—what may and may not change;
6. authority, responsibility, resources and liabilities;
7. duration, review cadence, sunset and closure obligations;
8. data, knowledge and AI boundaries;
9. expected beneficial, adverse, delayed and displaced consequences; and
10. exclusions, protective margins, stop rules and handback arrangements.

BOUNDARY PRINCIPLE Action is limited to the authorized envelope, but observation extends far enough to detect spillovers and burden displacement. A material boundary, risk or affectedness change triggers renewed mapping, review and authorization.

15. Standing, affectedness and layered authorization

Before the problem is finalized, the Laboratory **MUST** map directly affected and rights-bearing persons; groups already carrying the target injury; those likely to receive new benefits or burdens; workers and implementers; experiential, local and Indigenous knowledge holders where applicable; people unable to participate safely; internal minorities and dissenters; future generations and ecological systems requiring guardianship; and institutions, vendors, funders and incumbents able to act or obstruct.

Form of standing	Associated authority
Directly affected or rights-bearing persons	Consent, representation, challenge and specified concurrence rights.
Constituencies carrying material burdens	Authority over acceptable burdens, protective margins and remedies.

Form of standing	Associated authority
Experiential and knowledge holders	Epistemic standing and the right to contest interpretation.
Responsible and implementing institutions	Operational authority inside the authorized mandate; continuing duty for consequences.
Public or legal authorities	Authority to permit public action within law and democratic responsibility.
Future generations and ecological systems	Representation through independent guardians with access to evidence and challenge.
Wider public	Notice, access to reasons and public-interest challenge where effects are diffuse.

Authorization sources are distinct and non-fungible:

1. individual informed consent for direct participation, identifiable data and person-directed interventions;
2. collective authorization for changes affecting a community, institution or shared setting;
3. legal and institutional authorization for public, professional or organizational powers;
4. independent ethics and safeguards clearance proportionate to risk; and
5. data and knowledge authorization for collection, linkage, secondary use, publication and AI processing.

TWO-KEY ENTRY RULE A material intervention requires authorization from both the legitimate host or public institution and the properly constituted body representing directly affected constituencies. Direct participation additionally requires individual consent; independent safeguards clearance remains a separate gate.

Attendance, silence, public notice, sponsor permission, essential-service use, dependency-based signatures, legal permission alone or majority voting that erases minority rights **MUST NOT** be treated as consent or legitimacy. Material changes in purpose, risk, methods, data, AI use, population or scale require renewed consent and authorization. Applicable free, prior and informed consent and Indigenous data sovereignty requirements remain controlling where relevant.

CONSTITUTING AFFECTED AUTHORITY Before G1, the Charter **MUST** identify the constituency universe; selection or affirmation method; inclusion of internally marginalized and directly burdened groups; term, recall and replacement; quorum and decision thresholds; conflicts and recusal; compensation; accessibility; independent legal and technical advice budget; communication back to constituencies; minute and minority-report rules; and the scope and expiry of the mandate. A decision imposing a material burden requires the recorded concurrence of the constituency expected to bear that burden, not merely an overall forum majority.

Collective authorization cannot waive individual legal or ethical rights, authorize person-directed intervention or identifiable-data use without applicable individual consent, displace Indigenous

governance or free, prior and informed consent, or bind persons beyond the body's verified mandate. Withholding or withdrawing the community key causes an immediate no-go or pause and cannot trigger loss of ordinary services, benefits or legal rights.

16. Differentiated governance architecture

Function	Minimum responsibility
Affected Constituencies Forum / Council	Co-defines the question; approves Charter and material amendments; participates in budget and indicator decisions; interprets consequences; can trigger pause and independent review; authorizes renewal or closure and may recommend a new candidate setting. Any transfer begins again at G0 and requires newly constituted affected authority. Representatives are chosen or affirmed by constituencies, include internal plurality, and are compensated.
Responsible Institution	Holds lawful and operational authority, resources and duties; names an accountable lead; accepts consequences, repair, transition and residual obligations.
Laboratory Stewardship Team	Implements the authorized intervention, maintains methods and decision records, reports adverse consequences and cannot adjudicate complaints against itself.
Boundary Institution	Translates across communities, disciplines and institutions; carries evidence, standing, resources, decisions and feedback across boundaries; keeps dissent attached to evidence; protects technical expertise from becoming political authority.
Independent Safeguards and Review Function	Inspects records and sites; reviews authorization, risks and protective margins; hears appeals; may require repair, impose temporary pause, suspend or terminate; publishes reasons.
Inquiry and Evaluation Team	Maintains baseline, mechanisms, indicators, analyses and causal-contribution judgments. It is independent enough to report null, negative and contradictory findings.
Living-Coordination Convenor	Supports truthful, power-aware participation and relational repair. This role is not an emotion police, therapist or consensus manufacturer.
Data and AI / Epistemic Commons Steward	Governs provenance, access, security, collective rights, AI use, audit, correction, retention and deletion; remains independent of vendors.
Absent-Interests and Future-Generations Guardian	Represents diffuse, ecological, intergenerational and otherwise voiceless consequences in decisions and reviews.
Sponsor / Funder	Provides resources through a non-interference firewall; cannot override community refusal, independent safety pause or publication of adverse findings.
External Challenge Panel	Tests rival explanations, burden shifts, capture, method quality and transfer claims at defined gates.

Small Laboratories MAY combine compatible administrative roles, but the following separations are mandatory:

1. community authority, implementation authority and independent review cannot be concentrated;
2. the implementer cannot be sole evaluator;
3. a party complained against cannot adjudicate the grievance;
4. the sponsor cannot be sole authorizer or control publication;

5. a vendor cannot approve its own governance conditions;
6. technical experts may certify methods but not determine collective values or legitimacy; and
7. AI may provide capability but possesses no authority.

BOUNDARY AND REVIEW INDEPENDENCE The Boundary Institution **MUST NOT** adjudicate a complaint, certify a gate or determine whether its own conduct was adequate. Independence requires disclosure of financial, managerial, familial, political and prior-service conflicts; recusal and replacement rules; protected tenure; removal only for stated cause; funding not contingent on favourable findings; and freedom from sponsor, implementer and vendor direction. Mediation, implementation, record production and adjudication **MUST NOT** be concentrated where the same facts or conduct may be reviewed.

17. Power, anti-pathologization and non-domination

A pre-intervention Power and Incumbency Audit **MUST** identify agenda control, recognition power, resource dependence, legal authority, veto and obstruction capacity, information asymmetry, data ownership, narrative control, exit costs, transition risks, countervailing capacities and likely burden shifts. Affectedness is not the same as existing formal power: incumbents do not acquire a veto merely because transformation may reduce unjust privilege.

ANTI-PATHOLOGIZATION The object of diagnosis is a condition, relationship, institutional arrangement, incentive structure or recurrent pattern—never an essentialized people, identity or culture. Accountability for harmful conduct remains possible without dehumanization or collective stigma.

Every material action **MUST** pass a Least-Dominating Effective Means Assessment covering:

1. **Legitimate aim.** What life-grounded condition is protected or enlarged?
2. **Causal warrant.** What evidence supports the proposed pathway?
3. **Necessity and action–inaction comparison.** What harms and domination arise both from action and from preserving the status quo?
4. **Alternatives.** Is an equally effective but less coercive, extractive, intrusive or centralized option available?
5. **Minimum scope and duration.** Are intensity, population, data and timeframe no greater than necessary?
6. **Reversibility.** Can action be staged, paused, repaired or withdrawn?
7. **Distribution.** Who bears risks, burdens, opportunity costs and delayed consequences?
8. **Agency preservation.** Does action enlarge rather than replace local capacity and self-determination?
9. **Proportionality and remedy.** Are benefits commensurate with burdens, with repair resources secured in advance?

Dual-error governance addresses both overreach—false diagnosis or harmful intervention—and neglect—failure to act on preventable harm. The Laboratory **MUST** state counter-hypotheses, action and inaction risks, who bears each error, decision thresholds and reasons for any precautionary asymmetry.

18. Protective margins, risk tiers and remedy

Protective margins are social, institutional, ecological, material, epistemic and relational reserves that buffer uncertainty and make recovery, deliberation, adaptation, experimentation and care possible. They are not minimum legal compliance and must not be used to preserve incumbent privilege.

Tier	Highest credible exposure	Minimum response
Tier 0	Observation, relationship-building, mapping or simulation; no material intervention beyond ordinary practice.	Basic ethical review, privacy, representation and public Candidate Note.
Tier 1	Low-risk, reversible process or coordination changes with limited material exposure.	Site safeguards review, staged launch, routine monitoring and remedy capacity.
Tier 2	Moderate institutional, livelihood, service, relational, data or ecological effects; vulnerable groups or meaningful redistribution.	Independent review, enhanced margins, real-time sentinel monitoring, remedy reserve and frequent gates.
Tier 3	Potentially serious or partly irreversible rights, health, livelihood, conflict, ecological, infrastructure or high-stakes AI exposure.	Not eligible as an initial Minimum Viable Laboratory; requires specialist regulation/ethics, independent monitoring, robust insurance/remedy and exceptional causal warrant.
Prohibited	Catastrophic, uncontainable, substantially irreversible, coercive, retaliatory, covertly manipulative or machine-sovereign practice.	No-go; cannot be authorized as a Transformational Laboratory.

Risk tier is determined by the highest credible exposure across physical, psychological, relational, livelihood, essential-service, rights, ecological, intergenerational, conflict, data, AI and displacement domains—not by an average.

CONSERVATIVE CLASSIFICATION RULE Credible exposure means reasonably foreseeable on available evidence, including affected testimony, minority reports, near misses and analogous cases; it does not require proof that harm is more likely than not. Each domain **MUST** be classified separately by severity, reach, duration, reversibility, vulnerability or dependency and uncertainty. The highest domain governs. Missing evidence or material uncertainty cannot lower a tier and **MUST** raise the tier when the unresolved scenario includes serious or irreversible harm.

Every Laboratory **MUST** establish an accessible, free, non-retaliatory grievance and appeal process with urgent protection, independent appeal and compatibility with external legal or regulatory remedies. Available remedies may include cessation or modification, data correction/deletion, restoration of access or rights, restitution, compensation, acknowledgement, apology, relational repair, institutional or

vendor change, ecological restoration and independent follow-up. A remedy reserve, insurance arrangement or equivalent credible capacity MUST exist before intervention.

REMEDY OPERATING STANDARD Before G3, the Laboratory MUST publish a Remedy Plan naming an administrator independent of the complained-against party; free and accessible channels, including confidential and non-digital routes; immediate interim protection; assistance and representation rights; evidentiary standard and burden; written reasons; appeal to the independent review function; compatibility with courts, regulators and other external remedies; and anti-retaliation monitoring. Urgent protection requests MUST be acted on within 24 hours, other claims acknowledged within two business days, and an initial reasoned determination issued within ten business days unless a shorter legal period applies.

The remedy reserve MUST be ring-fenced and controlled by an independent trustee or equivalent custodian, sized against the worst credible remedial exposure, stress-tested, protected against sponsor or duty-bearer insolvency and unavailable for reclamation until independent closure certification and expiry of the funded tail period. Closure, withdrawal and sunset do not shorten claims or extinguish liability.

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Part IV — Epistemic Commons, Data and AI

19. Data and knowledge governance

Every Laboratory MUST adopt a public Data and Epistemic Commons Plan. FAIR principles may guide findability and reuse where openness is safe (Wilkinson et al., 2016); CARE principles and applicable Indigenous data governance take precedence where collective benefit, authority to control, responsibility, ethics and self-determination are material (Carroll et al., 2020).

1. what is collected, by whom, for what purpose and under what authority;
2. data minimization, provenance, quality, security, retention and deletion;
3. individual and collective access, correction, portability and withdrawal rights;
4. secondary use, linkage, publication, commercial use and benefit-sharing;
5. re-identification, group-level, reputational and inferential harms;
6. stewardship of local, Indigenous, cultural and tacit knowledge;
7. attribution, authorship, credit and return of results;
8. rules for open publication and justified restrictions; and
9. incident notification, correction and remedy.

COLLECTIVE-HARM RULE De-identification does not eliminate community, ecological, reputational or group-level harm. Community-held knowledge is not open by default merely because other outputs belong to a research commons.

20. AI capability without machine sovereignty

AI MAY assist synthesis, translation, pattern detection, scenario modelling, accessibility, institutional memory, anomaly detection, burden-shift analysis and adversarial testing. It MUST remain embedded, augmentative, accountable and non-sovereign.

CONSEQUENTIAL AI USE An AI use is consequential whenever its output could influence diagnosis, prioritization, resource allocation, burden, eligibility, risk classification, monitoring, evaluation, gate evidence, public reporting or the treatment of a person or constituency, even when formally advisory.

Rule	Operational requirement
Capability–Authority Separation	AI performance does not confer ethical, political, epistemic or legal authority.
Responsibility Non-Transfer	A named person and institution remain accountable for every consequential use.
Contestable Synthesis	Sources, uncertainty, limitations and material disagreement remain visible and challengeable.
Epistemic Quality ≠ Legitimacy	Accuracy or coherence alone cannot authorize action or acceptable burdens.
Meaningful Human–Institutional Control	Reviewers possess knowledge, time, authority and alternative pathways needed to disagree.
Public Counter-Capacity	Affected people have independent expertise, accessible explanation and a non-AI path for participation, appeal and refusal.
Infrastructural Pluralism	Procurement avoids unreviewable dependence, lock-in and single-vendor control of the record.
Material Accountability	Model, version, provider, data pathway, significant outputs, overrides, energy/material implications and responsible decision-makers are logged.

AI MUST NOT:

- determine consent, standing, legitimacy, rights, sanctions, eligibility for remedy or acceptable burdens;
- adjudicate grievances or decide pause, continuation, scaling or termination;
- perform covert surveillance, psychographic manipulation, automated coercion or biometric emotion inference;
- ingest sensitive information into an unauthorized system;
- infer credibility, willingness or relational safety from automated profiles;
- fabricate consensus, conceal uncertainty or reduce persons to unchallengeable model scores;
or
- serve as the sole evidence for a material finding or causal judgment.

Every consequential AI-assisted output requires source traceability, uncertainty disclosure, independent human review, an accessible explanation, correction and appeal. Algorithmic repair must address the model, data, workflow, vendor relationship, institutional incentives and harms already caused.

PER-USE AI GOVERNANCE AND CHANGE CONTROL [Appendix K](#) MUST be completed once per dataset–system–version–use case. Each record MUST include a data and AI impact assessment; security architecture; hosting and transfer location; provider training and retention settings; subprocessors; contractual audit, deletion, export and incident duties; subgroup and failure-mode validation; red-team results; reviewer competence and review time; sampled output audit; an equivalent non-AI route test; breach-notice deadline; vendor exit and record portability; and residual risk accepted by affected authority and independent review. A material model, provider, data-source, retrieval, prompt-workflow or deployment change automatically suspends consequential use pending renewed [Appendix K](#) review.

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Part V — Laboratory Operating Cycle

21. Readiness profile and decision logic

Readiness is recorded as an evidence-based red–amber–green profile, never a composite score:

Status	Meaning
Green	Requirement is evidenced, usable and authorized; responsible actors and verification are named.
Amber	Requirement is partly present or uncertain; a repair action, owner, deadline and re-review gate are mandatory.
Red	Requirement is absent, unsafe, captured or unusable; no material intervention may proceed.

Non-negotiable domains—affected-community authority, refusal and exit, protective margins, remedy, boundary independence, legitimate authorization and non-displacement—MUST be green before launch. A sponsor cannot override community refusal or an independent safety pause.

22. Minimum Viable Laboratory

A Minimum Viable Laboratory (MVL) is the smallest setting capable of completing one legitimate consequence-learning cycle. It requires:

1. a public Charter and bounded healing episode;
2. an affected-community body with real decision rights;
3. a responsible institution with authority, resources and obligations;
4. a living-coordination baseline and repair compact;
5. a power, affectedness and burden-displacement map;
6. a causal proposition, rivals and falsification conditions;
7. funded protective margins, refusal, exit, remedy and stop rules;
8. a feasible, staged and reversible intervention wherever possible;
9. a plural baseline, indicator register and independent evaluation;

10. data and AI governance;
11. a versioned decision, dissent, anomaly and consequence record; and
12. responsible closure, handback and residual-duty arrangements.

MVL THRESHOLD Minimal refers to scale, not legitimacy, protection or evidence. Tier 3 risk is not eligible as an initial MVL.

23. Seven phases and gates

Phase	Grammar relation	Mandatory output	Gate decision
0 · Invitation and reconnaissance	Sense; Recognition	Candidate Note; preliminary affectedness, risk and relational scan	G0: qualify, remediate or decline
1 · Recognition and authorization	Recognition; Interpret	Charter; Authority Matrix; Living-Coordination Compact	G1: go, repair or no-go
2 · Diagnosis and counter-diagnosis	Diagnosis; Interpret; Evaluate	Diagnostic Dossier; causal map; rivals; baseline	G2: investigate, redesign or proceed
3 · Protection before intervention	Protection; Evaluate	Safeguards Plan; margins; remedies; stop rules; independent clearance	G3: authorize, stage or stop
4 · Repair and transformation	Repair; Transformation; Act/Transform	Intervention Protocol; staged implementation; adaptation log	G4: begin, modify or reject
5 · Regeneration and consequence observation	Regeneration; Observe Consequences; Repair	Consequence ledger; indicator reviews; anomalies; grievances; repairs	G5: continue, adapt, pause or terminate at each review
6 · Learning, closure and reconfiguration	Learning; Learn/Reconfigure	Evaluation; community interpretation; closure/repair; public learning report	G6: close, recommend a new candidate or require a new G0 cycle

RECURSION RULE The phases are not a one-way pipeline. Recognition, protection, diagnosis and repair recur whenever new affectedness, harm, conflict, evidence or boundary change appears.

Gate	Minimum decision record
G0 · Qualification	Completed Q1–Q10, separate red-line screen and preliminary legal, ethics and regulatory classification.
G1 · Readiness	Constituted affected authority, Charter, Authority Matrix, representation verification, boundary and review appointments and conflict disclosures.
G2 · Diagnostic sufficiency	Registered mechanism and rivals, baseline and no-intervention path, evidence design, affected interpretation and unresolved uncertainty.
G3 · Safe-to-act	Quantified protective margins, remedy reserve, stopping plan, legal and ethics approvals and every non-negotiable domain green.
G4 · Act	Final intervention protocol, training, dry run, permitted-change envelope and recorded implementation authorization.

Gate	Minimum decision record
G5 · Continue/adapt/pause/terminate	Current sentinel, adverse-event, grievance, margin, deviation, burden-shift and authorization evidence.
G6 · Close/reconfigure	Completed closure and handback plan, funded residual duties, public reporting plan and separate transfer-bar review.

GATE VALIDITY RULE A conditional decision MUST name each condition, owner, evidence of completion, deadline and automatic expiry. An unrecorded approval is void. Red in any required domain is no-go; amber in a non-negotiable domain cannot authorize material action. G3 certifies that action could be safe; G4 authorizes the final specified intervention and no other action.

LEGAL AND ETHICS CLEARANCE RULE No material intervention may be authorized while an applicable approval, permit, insurance, legal authority or ethics clearance is absent, expired, suspended or materially inconsistent with the Charter.

24. Phase requirements

Phase 0 — Invitation and reconnaissance

Begin with relationship, testimony and context rather than a preselected solution. Test life-ground relevance, boundability, duty-bearing capacity, obvious red lines, affected-community willingness and whether a protection-first preparatory phase is required. Publicly name the candidate as preparatory—not active.

Phase 1 — Recognition and authorization

Constitute representation, the boundary institution and independent review. Map standing, power, history, dependency and absent interests. Co-author the Charter, living-coordination compact, authority matrix, funding terms, refusal, exit, grievance and reauthorization rules.

Phase 2 — Diagnosis and counter-diagnosis

Build a cross-scale system map from affected experience, institutional data, historical analysis, local and scientific knowledge. Specify organized life-disconnection, causal mechanisms, rivals, status-quo harms, uncertainties and what would show that another vocabulary explains reality better.

Phase 3 — Protection before intervention

Fund protective margins, remedies, transition and monitoring. Establish material, relational, legal, ecological, epistemic and data safeguards; independent reporting; sentinel thresholds; and a Least-Dominating Effective Means Assessment. Protection cannot be deferred until harm occurs.

Phase 4 — Repair and transformation

Address immediate injury where possible, then stage the authorized change. Distinguish essential functions from adaptable forms. Record fidelity, deviation, authority, rationale and distribution of resources. Do not withhold established protection to strengthen causal inference.

Phase 5 — Regeneration and consequence observation

Track whether capacities become self-renewing and less dependent on exceptional leadership or external support. Observe intended, adverse, displaced, delayed and cumulative effects across time, scale and perspective. Treat anomaly as a challenge to explanation and adverse effect as possible injury requiring care.

Phase 6 — Learning, closure and reconfiguration

Classify result and causal confidence; complete repair and handback; record unresolved disagreement; revise local practice, institutional arrangements, safeguards or theory; state transfer limits; sunset the cycle. Learning value does not relabel a failed intervention as successful.

25. Pause, stop and responsible exit

A credible report triggers protection and review; it need not be treated as automatically conclusive, but a favourable average cannot neutralize it. Mandatory pause triggers include:

1. credible serious harm or near-harm;
2. withdrawn authorization or unsafe refusal and exit;
3. a protective margin falling below threshold;
4. material change in boundary, affectedness, intervention or risk;
5. unreliable monitoring or evidence-system failure;
6. unauthorized data use or breach of AI role;
7. retaliation, intimidation, sponsor interference or suppressed dissent;
8. loss of a duty-bearer's operational capacity;
9. an intervention becoming less reversible than authorized; or
10. credible spatial, ecological, social or intergenerational burden displacement.

MANDATORY RESPONSE PROTECT → SUSPEND → NOTIFY → INDEPENDENTLY REVIEW → REPAIR / REMEDY → JOINTLY RESUME, MODIFY OR TERMINATE

Any participant or observer with standing may raise an alert and obtain documented review. Affected-constituency representatives or the safeguards officer may impose an immediate temporary pause. The independent review function may suspend, modify or terminate. A sponsor may not abandon a Laboratory after causing or uncovering harm without funding transition, protection and repair.

26. Scaling, transfer and sunset

Every result is initially local and bounded. A successful pilot does not authorize universal scale-up. Transfer requires a record of context–mechanism–outcome configuration, essential functions and adaptable forms, relational and material preconditions, resource and power dependencies, excluded groups, unresolved harms, non-transfer conditions and evidence still needed.

1. repeat the intervention within the setting over time;
2. conduct conceptual replication in a relevant contrasting context;
3. seek independent replication; and
4. undertake a newly authorized bounded transfer or scale trial.

Scaling changes incentives, relationships, power, vendor dependence and consequence pathways. It is a new intervention, not mere enlargement. Each Laboratory sunsets after one bounded learning cycle. Renewal requires updated affectedness and power mapping, affected-community and host reauthorization, independent review, evidence and burden-distribution disclosure, unresolved-grievance reporting, revised margins and dual-error analysis, renewed consent where needed, and a public account of what changed.

TRANSFER AND RENEWAL BAR No extension, renewal, replication, transfer or scale action may proceed while a serious adverse effect is uncontained, a mandatory remedy is overdue, affected-community authorization is withheld or withdrawn, a protective margin or reserve is deficient, required data disposition is incomplete, an applicable approval has lapsed, or delayed-harm monitoring and residual duties are unfunded. Independent safeguards review and the directly burdened constituencies **MUST** certify that these bars are cleared; certification cannot waive claims. G6 may recommend a new candidate setting but cannot authorize transfer. Every transfer begins again at G0 under a new Charter, affectedness map, authority constitution, risk classification and consent and approval record. Sponsor exit is not closure.

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Part VI — Evidence, Evaluation and Falsification

27. Governing evaluative proposition

CORE QUESTION Does the intervention protect, restore or enlarge life-capacities and the ecological, relational and institutional conditions of flourishing—without domination, burden displacement or unacceptable harm—and what evidence would require a change of course?

The evidence architecture actively resists confirmation error, aggregation error and attribution error. No universal Civilizational Healing score may be constructed. A single aggregate can conceal thresholds, trade-offs, subgroup deterioration, rights failures and transferred burdens.

28. Evidence cube: time, scale and perspective

Dimension	Required range
Time	Baseline → intervention trajectory → immediate, delayed and enduring consequences.
Scale	Person → relationship/group → institution → community → jurisdiction/system → ecological and intergenerational effects.
Perspective	Affected people, especially those most exposed; frontline workers; communities; institutional actors; independent observers; relevant knowledge traditions; biophysical evidence.

Distribution, uncertainty and power cut across all three dimensions. The baseline MUST include history, trajectory, current injury, burdens, prior interventions, relevant system dynamics and the plausible no-intervention path. A simple before-and-after comparison is insufficient when trend, seasonality, selection, adaptation or delayed harm could explain the result.

29. Common evaluation domains

Domain	Core question
Life-ground and viability	Are avoidable suffering and life-disabling exposure reduced, and are material, social and ecological conditions protected or enlarged?
Living coordination	Are recognition, safety, truthful dissent, responsiveness, non-humiliation, trustworthiness and rupture repair increasing without conformity?
Justice and non-domination	Who can participate, shape, contest, refuse and exit? Are coercion, capture, exclusion, retaliation or dependency produced?
Institutional reflexivity	Can systems detect error, hear affected people, cross boundaries, revise decisions and complete correction?
Material and ecological consequences	What resources, exposures, thresholds, rebound effects and spatial or temporal externalities change?
Distribution and protective margins	Who benefits, who bears costs, who remains below a life-grounded floor, and what burdens are shifted to absent people or future generations?
Epistemic commons	Are provenance, plurality, accessibility, challenge, data rights and independent knowledge capacity strengthened?
Learning capacity	Can the setting sense, interpret, evaluate, repair and reconfigure without permanent dependence on the Laboratory?

Each indicator specification MUST state definition, rationale, scale, source, frequency, disaggregation, expected direction, meaningful-change threshold, uncertainty, possible gaming, responsible steward, interpretation limits and decision use.

30. Mixed methods and plural interpretation

Mixed methods means planned integration, not parallel collection. Appropriate sources may include administrative, health, social, economic and ecological measures; surveys and repeated measures; network and resource-flow analysis; interviews, focus groups and observation; participant diaries and citizen monitoring; process tracing, outcome harvesting and critical incidents; documents, complaints, budgets and implementation logs; minority reports and negative cases.

Relationship	Interpretive rule
Convergence	Different sources support a similar interpretation.
Complementarity	Sources illuminate different portions or scales of the mechanism.
Dissonance	Sources conflict; disagreement remains visible and becomes an object of inquiry.

Affected testimony has special importance for detecting harm, humiliation, retaliation and agency loss, while remaining open to corroboration and contextual interpretation. Institutional rank does not determine evidentiary quality. Aggregate results MUST first be disaggregated by locally mapped exposure, vulnerability and power. Benefits to many cannot compensate for serious avoidable injury to a vulnerable few; conversely, loss of an incumbent's extractive privilege is not automatically equivalent to life-grounded harm.

31. Mechanism mapping and causal contribution

REGISTERED CAUSAL PROPOSITION In context C, intervention I is expected to activate mechanism(s) M, contributing to outcome(s) O, subject to boundary conditions B, while creating possible adverse or displaced consequences A.

- 1. the injury and system conditions reproducing it;
- 2. essential intervention functions and adaptable forms;
- 3. the expected role of living coordination;
- 4. intermediate steps, timing, lags and feedback loops;
- 5. system resistance and incumbent response;
- 6. rival explanations and negative cases; and
- 7. possible rebound, burden transfer and unintended consequence.

Laboratories SHOULD make causal-contribution judgments rather than claim exclusive attribution. Use the strongest ethical feasible design—comparison or matched cases, interrupted time series, staggered introduction, within-case counterfactuals, natural comparisons, process tracing or contribution analysis. Protection MUST NOT be withheld merely to create a control group.

- 1. Did change follow the predicted temporal sequence?
- 2. Was implementation sufficient, with adaptation documented?

3. Was the proposed mechanism observably activated?
4. Did magnitude and pattern fit the theory?
5. Were rivals and negative cases seriously tested?
6. Did quantitative, qualitative, participant and biophysical evidence converge or complement one another?
7. Do hidden harms or externalized burdens undermine the apparent result?

Report the mechanism verdict separately as supported, provisionally supported, unresolved, not supported or contradicted. A favourable outcome does not automatically validate the proposed explanation.

32. Precommitment, adaptation and anomaly

Precommitment prevents moving goalposts; corrigibility prevents loyalty to a failing plan. Before launch, register the bounded claim, mechanism and rivals, baseline and no-intervention trajectory, indicators and analysis, thresholds, margins, adverse monitoring, authorization, grievance and exit, decision rules, falsifiers, data/AI governance, conflicts and negative-results commitment.

REGISTRATION AND ANALYTIC INTEGRITY STANDARD Registration MUST occur before exposure begins and MUST identify a repository or confidential escrow, timestamp and version hash; primary, secondary and exploratory questions and outcomes; causal contrast; recruitment, sampling and exclusions; sample-size, precision or power justification where quantitative, or information-sufficiency and negative-case plan where qualitative; missing-data and multiplicity rules; subgroup plan; analysis code and data freeze; outcome-switching and amendment log; independent or blinded reanalysis where feasible; reproducibility package; and the decision consequences of uncertainty. Sensitive material may be independently escrowed with a public timestamp and hash. A changed outcome, threshold, subgroup or analysis is exploratory unless the gate record documents the change, affected-community response and effect on interpretation.

Adaptation is permitted, but each change MUST record date, trigger, rationale, authorizing body, affected response, expected effect and consequences for interpretation. When feasible, report the original analysis alongside the adapted analysis.

The Anomaly Log records negative cases, contradictions, unexpected resistance, positive deviance and unanticipated outcomes. Each entry includes source, affected scale, confidence, severity, rival interpretations, action and implications for theory. An anomaly challenges explanation; an adverse effect signals possible injury. They may overlap but are not identical.

33. Success, failure and inconclusive results

Verdict	Required interpretation
Success	Predefined meaningful life-grounded improvement; credible causal contribution; margins respected; no serious hidden, displaced or delayed harm; defensible distribution; affected agency and contestability retained; durability or regenerative/learning capacity appropriate to timeframe.
Failure	Benefits absent under adequate implementation; mechanism contradicted; harm or domination outweighs benefit; protective boundary crossed; gains depend on burden displacement. Qualify as implementation, mechanism/theory, contextual, safeguard/legitimacy, harmful or non-durable failure.
Inconclusive	Evidence inadequate, contradictory or immature; implementation insufficient; or causal alternatives unresolved. Inconclusive does not mean promising and does not authorize scale.

Use modifiers such as full/bounded/conditional, equitable/uneven, transient/durable, context-bound/potentially transferable and high/moderate/low causal confidence. No overall success verdict is permissible after legitimacy or hard protective-margin failure. Process completion is not outcome success; absence of harm without meaningful benefit is not success; learning value does not convert a failed intervention into a successful one.

34. Explicit falsification conditions

Every Laboratory MUST pre-specify observations that support, weaken, falsify, narrow or immediately stop the bounded claim. Substantial revision or falsification is warranted when:

1. predicted mechanisms remain absent despite adequate implementation;
2. outcomes remain inside baseline variation or the plausible no-intervention trajectory after the registered period;
3. rival explanations fit the evidence more adequately;
4. benefits consistently depend on coercion, exclusion, concealment or loss of contestability;
5. aggregate improvement conceals serious subgroup deterioration;
6. local gains arise through spatial, ecological or intergenerational burden transfer;
7. effects disappear when exceptional support is removed, contrary to a regenerative-capacity claim;
8. affected-community authority remains ceremonial and evidence cannot alter action;
9. the vocabulary repeatedly obscures more than it clarifies or a rival vocabulary performs better; or
10. repeated high-fidelity tests across relevant contexts contradict the same proposition.

A single Laboratory normally tests a bounded intervention or mechanism claim, not the entire Civilizational Healing architecture. Repeated failures across diverse, well-specified settings may challenge a higher-order proposition. Life-ground and non-domination are declared normative

commitments, not empirical hypotheses; empirical claims about how they can be realized remain testable and publicly criticizable.

35. What would count as success for the programme?

Civilizational Healing is not validated because its language is attractive, publications are produced, people identify with its aspirations, or AI generates compelling synthesis. It succeeds only insofar as inquiry and action become more answerable to reality.

- 1. categories clarify reality more than they distort it;
- 2. generalizable and context-dependent mechanisms are distinguished;
- 3. authority, resources, responsibility and obligation become better aligned;
- 4. preventable injury is reduced and repair is completed more reliably;
- 5. protective margins and regenerative conditions become stronger;
- 6. severe avoidable burdens are not displaced elsewhere;
- 7. differentiated systems track and answer for one another's consequences;
- 8. affected communities possess meaningful authority rather than consultative visibility;
- 9. evidence, dissent, refusal and unintended consequences change action; and
- 10. the framework itself changes when reality requires it.

CORRIGIBILITY TEST Negative and null findings, dissent, refusal, boundary failure, conceptual failure and evidence that another vocabulary works better are legitimate outcomes. A theory of healing that cannot itself learn would contradict its own foundations.

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Part VII — Programme Integration and Public Learning

36. Six research work packages

Work package	Laboratory contribution
WP1 · Mapping, Recognition and Foundations	Map injury, testimony, conceptual boundaries, rival frameworks, construct validity, cultural variation and failure conditions.
WP2 · Cross-Scale Diagnosis and Comparative Atlas	Build a structured corpus of historical and contemporary healing episodes and investigate mechanisms of organized life-disconnection.
WP3 · Measurement, Governance and Observatory	Develop disaggregated measures and observatory methods without reducing healing to a single civilizational score.
WP4 · Reparative Action and Cross-Scale Pathways	Study how authority, resources, rules, narratives, power, protective margins and cross-scale interactions shape repair and transformation.
WP5 · Regenerative Systems and Participatory Laboratories	Co-design bounded interventions with affected communities and responsible institutions; protect refusal, community authority and adaptive learning.

Work package	Laboratory contribution
WP6 · Synthesis, Evaluation and Translation	Integrate findings, conduct adversarial and burden-shift tests, revise the programme and support responsible governance, education and dissemination.

37. Canonical learning record

At the end of every gate and cycle, the versioned record MUST preserve:

1. Charter, scope, affectedness and authority;
2. baseline, trajectory and no-intervention path;
3. mechanism, rivals and causal-contribution judgment;
4. consequences across scales, perspectives and groups;
5. protective-margin and burden-displacement assessment;
6. dissent, refusal, anomalies, adverse effects and grievances;
7. decisions, deviations, conflicts, AI use and reasons;
8. success/failure/inconclusive verdict and qualifiers;
9. repair completed and residual obligations;
10. revised propositions, safeguards and boundary conditions; and
11. transfer limits, remaining uncertainty and next bounded question.

Revisions distinguish local adaptation, intervention redesign, mechanism revision, scope or boundary change, safeguard revision, institutional reconfiguration and higher-order architectural revision. Prior versions remain accessible; corrections do not silently erase the scholarly record.

38. Public reporting, closure and invitation to inquiry

Every Laboratory produces an accessible public summary and a technical annex, with justified protection for personal, community, cultural, ecological and security-sensitive information. Affected constituencies review the factual record and may append their interpretation; they are not required to endorse investigators' conclusions. Unresolved disagreement remains visible rather than being converted into fictitious consensus.

PUBLIC REPORTING SERVICE STANDARD Candidate Notes, gate decisions and material Charter amendments MUST be published within ten business days; a de-identified serious-safety notice within 72 hours after immediate stabilization unless publication would create a documented greater safety risk; and the close-out report within 90 days of G6. Reports and prior versions MUST remain in a stable public repository. Redaction must be itemized, no broader than necessary, time-limited where possible and independently reviewed. Sponsors and vendors may check factual or confidential material but possess no publication veto. Affected constituencies receive at least 20 business days for factual review and may append an unedited interpretation or dissent. Missed deadlines, reasons and a revised date are public. Corrections and safety-critical corrigenda MUST be versioned and linked to the original.

Closure includes cessation or handback, data disposition, continuation of essential protective functions, compensation and remedy, environmental or relational restoration where needed, support for transition, follow-up for delayed harm and assignment of residual duties. Withdrawal or sunset does not extinguish claims.

READINESS STANDARD A Transformational Laboratory is ready only when those most exposed to its consequences possess real authority; the setting is bounded but consequences remain visible; protective margins precede intervention; action uses the least-dominating effective means; AI remains assistive and non-sovereign; harms can be stopped and repaired; and reality—including dissent, refusal, failure and anomaly—can reconfigure both practice and theory.

The protocol therefore closes with an open question: Can a bounded setting become more capable of recognizing the injuries generated by its own organization, protecting those exposed, completing repair, transforming causal conditions, regenerating life-enabling relations and institutions, and learning sufficiently well to change what it does next—without creating a new centre of domination?

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Appendix A — Qualification and Exclusion Screen

Complete before treating a proposal as a candidate Transformational Laboratory. A red-line finding overrides aggregate readiness.

RECORD STANDARD A completion mark is not evidence. Every mandatory field **MUST** contain a substantive entry or a version-controlled cross-reference to the underlying record. The recorder, accountable owner, required approver, independent verifier, date, version, expiry, confidentiality status and unresolved actions **MUST** be visible. Appendices C, H, I, J, K and L are repeating records—one record per constituency, indicator, intervention or decision, event, dataset—AI use case and gate. An unaudited self-attestation cannot satisfy a gate.

REPEATING RECORD Complete one full record per candidate proposal and resubmission. Add as many records as required; do not combine materially different records into a single completion mark.

Field	Minimum record	Site-specific entry or record reference
Q1 · Life-grounded problem	Document preventable injury, impaired life-capacity, ecological degradation, institutional failure or organized life-disconnection; identify who or what is affected.	[Enter substantive response or version-controlled record reference]
Q2 · Bounded setting	Specify population, place, institutions, jurisdiction, problem, mechanism, intervention, duration, authority, resources, data and consequence perimeter.	[Enter substantive response or version-controlled record reference]
Q3 · Affected-community authority	Show effective authority over framing, burdens, indicators, participation, refusal, pause/stop, interpretation and knowledge use, including marginalized positions.	[Enter substantive response or version-controlled record reference]
Q4 · Responsible institution	Name at least one duty-bearing institution able and committed to change relevant rules, resources, practices or material conditions.	[Enter substantive response or version-controlled record reference]
Q5 · Inquiry fitness	State a causal proposition, serious rivals, a bounded intervention, baseline feasibility, plural methods and indicators for benefit, harm and displacement.	[Enter substantive response or version-controlled record reference]
Q6 · Protective margins	Evidence material, relational, institutional/legal, informational, ecological, temporal and financial safeguards before intervention.	[Enter substantive response or version-controlled record reference]
Q7 · Refusal, exit and remedy	Demonstrate non-retaliatory refusal and withdrawal, accessible grievance, funded remedy, repair and stopping capacity.	[Enter substantive response or version-controlled record reference]
Q8 · Living-coordination readiness	Demonstrate protected speech, recognition, conflict support, non-retaliation and minimum relational safety—or require a protection-first preparatory phase.	[Enter substantive response or version-controlled record reference]

Field	Minimum record	Site-specific entry or record reference
Q9a · Boundary institution fitness	Identify the body responsible for translation, record carriage, accessibility and cross-boundary coordination; document mandate, selection, funding, conflicts, information access, correction duties and accountability to affected constituencies. It must not adjudicate a complaint, certify a gate or determine whether its own conduct was adequate.	[Enter substantive response or version-controlled record reference]
Q9b · Independent safeguards and review fitness	Identify a legally and operationally independent reviewer with protected funding, direct access to participants, records and sites, confidential reporting channels, appeal jurisdiction, immediate temporary-pause authority and authority to publish reasons.	[Enter substantive response or version-controlled record reference]
Q10 · Corrigibility and public learning	Commit to preserving dissent, failure, adverse findings, protocol deviations and theory revision in a versioned record.	[Enter substantive response or version-controlled record reference]
Automatic exclusions	Check coercion; deprivation of rights or necessities; uncontainable severe harm; punitive refusal; covert manipulation/surveillance; predetermined success; absent duty-bearer; unusable remedy; sovereign AI; likely severe burden export.	[Enter substantive response or version-controlled record reference]
Qualification decision	Record Eligible / Repair and resubmit / Decline; reasons; minority report; responsible decision-makers; date and review conditions.	[Enter substantive response or version-controlled record reference]

Record-control field	Writable entry
Record ID and status	[ID; Red / Amber / Green; open / superseded / closed]
Evidence/source and location	[Version-controlled URI, file, page, range or record identifier]
Accountable owner and approving body	[Named person/institution; required affected-community and institutional approval]
Independent reviewer/verifier	[Name, role, independence and verification result]
Action and deadline	[Open action, resources, owner, deadline and evidence required for closure]
Date, version and expiry	[Created; effective; version; review date; automatic expiry]
Disclosure and authorization	[Public/confidential; reason + review date; authorization; dissent reference]

Appendix B — Laboratory Charter and Boundary Canvas

The Charter is the site-specific constitution. Material changes require renewed affectedness mapping, authorization and safeguard review.

REPEATING RECORD Complete one full record per Charter version or material amendment. Add as many records as required; do not combine materially different records into a single completion mark.

Field	Minimum record	Site-specific entry or record reference
Invitation and originating question	Record who invited the inquiry, the central bounded question, prior attempts and why action is being considered now.	[Enter substantive response or version-controlled record reference]
Who	Affected constituencies, duty-bearers, implementers, researchers, indirect burden-bearers, dissenting or absent interests, future generations and more-than-human life.	[Enter substantive response or version-controlled record reference]
Where	Geographic, ecological, organizational, cultural and jurisdictional boundary; cross-boundary interfaces.	[Enter substantive response or version-controlled record reference]
What	Problem, proposed mechanisms, permitted activities and matters expressly excluded from the Laboratory.	[Enter substantive response or version-controlled record reference]
Authority	Who may decide, advise, consent, refuse, veto, pause, stop, appeal, review, interpret, publish and authorize change.	[Enter substantive response or version-controlled record reference]
Affected-authority constitution	Constituency universe; selection/affirmation; internally marginalized and directly burdened groups; term, recall, replacement, quorum, decision thresholds, conflicts, recusal, compensation, accessibility, advice budget, communication, minutes, minority reports, mandate and expiry.	[Enter substantive response or version-controlled record reference]
Boundary and review separation	Separate mandates, selection, funding, conflict disclosure, recusal, removal, protected reporting and access rights for the Boundary Institution and Independent Safeguards and Review Function.	[Enter substantive response or version-controlled record reference]
Time	Start, stages, review intervals, follow-up, expiry, sunset and closure.	[Enter substantive response or version-controlled record reference]
Resources	Committed budget, personnel, infrastructure, compensation, accessibility, protective margins and independently controlled remedy reserve.	[Enter substantive response or version-controlled record reference]
Data and knowledge	Collection, provenance, access, community control, confidentiality, retention, deletion, publication, secondary use, benefit sharing and Indigenous/data-sovereignty rules.	[Enter substantive response or version-controlled record reference]
Consequences	Spatial, temporal, institutional, ecological, distributional and intergenerational perimeter to be observed.	[Enter substantive response or version-controlled record reference]
External interfaces	Actors and systems that may enable, block, capture, absorb or receive burdens from the intervention.	[Enter substantive response or version-controlled record reference]

Field	Minimum record	Site-specific entry or record reference
Exit and residual duties	Withdrawal, suspension, termination, handback, essential-function continuity, delayed-harm follow-up and claims surviving closure.	[Enter substantive response or version-controlled record reference]
Authorization and version	Dual-key approvals, independent certification, material dissent, signatures or equivalent records, effective date and version history.	[Enter substantive response or version-controlled record reference]

Record-control field	Writable entry
Record ID and status	[ID; Red / Amber / Green; open / superseded / closed]
Evidence/source and location	[Version-controlled URI, file, page, range or record identifier]
Accountable owner and approving body	[Named person/institution; required affected-community and institutional approval]
Independent reviewer/verifier	[Name, role, independence and verification result]
Action and deadline	[Open action, resources, owner, deadline and evidence required for closure]
Date, version and expiry	[Created; effective; version; review date; automatic expiry]
Disclosure and authorization	[Public/confidential; reason + review date; authorization; dissent reference]

Appendix C — Affectedness, Standing and Authority Matrix

Standing follows exposure, dependency, duty, knowledge and capacity—not institutional prestige. No single representative is presumed to speak for a plural community.

REPEATING RECORD Complete one full record per constituency, subgroup, absent interest, guardian or duty-bearing institution. Add as many records as required; do not combine materially different records into a single completion mark.

Field	Minimum record	Site-specific entry or record reference
Constituency or interest	Name the group, subgroup, place, species, future interest or institutional duty represented; identify internal plurality.	[Enter substantive response or version-controlled record reference]
Pathway of affectedness	Direct benefit/burden, dependency, historical injury, ecological exposure, data exposure, livelihood/service effect or responsibility.	[Enter substantive response or version-controlled record reference]
Severity and reversibility	Estimate credible magnitude, duration, reversibility and uncertainty; state who supplied the assessment.	[Enter substantive response or version-controlled record reference]
Current power and dependency	Resources, formal authority, agenda control, veto/obstruction power, dependency, retaliation exposure and recognition power.	[Enter substantive response or version-controlled record reference]
Required standing	Information / consultation / co-design / co-decision / authorization / veto or stop / independent representation.	[Enter substantive response or version-controlled record reference]
Representation route	Selection method, term, recall, accessibility, compensation, communication with constituency and protection of dissent.	[Enter substantive response or version-controlled record reference]
Conflict or exclusion risk	Capture, proxy consent, gatekeeping, elite domination, tokenism, identity essentialization or unrepresented interests.	[Enter substantive response or version-controlled record reference]
Countervailing protection	Independent advocate, reserved seats, separate caucus, confidentiality, legal support, resource transfer, veto/appeal or guardian role.	[Enter substantive response or version-controlled record reference]
Authorization status	Authorized / dissenting / conditional / withheld / withdrawn; evidence, scope, date and expiry.	[Enter substantive response or version-controlled record reference]
Burdened-constituency concurrence	For any material burden, record the directly burdened constituency's separate decision; an overall forum majority is insufficient.	[Enter substantive response or version-controlled record reference]
Individual and collective limits	Confirm that collective authorization does not waive individual rights, person-directed consent, Indigenous governance or free, prior and informed consent, and does not bind beyond the verified mandate.	[Enter substantive response or version-controlled record reference]

Record-control field	Writable entry
Record ID and status	[ID; Red / Amber / Green; open / superseded / closed]
Evidence/source and location	[Version-controlled URI, file, page, range or record identifier]
Accountable owner and approving body	[Named person/institution; required affected-community and institutional approval]
Independent reviewer/verifier	[Name, role, independence and verification result]
Action and deadline	[Open action, resources, owner, deadline and evidence required for closure]
Date, version and expiry	[Created; effective; version; review date; automatic expiry]
Disclosure and authorization	[Public/confidential; reason + review date; authorization; dissent reference]

Appendix D — Living Coordination Profile and Relational Compact

Assess each dimension separately. A favourable average cannot compensate for coercion, retaliation, domination or rights loss.

REPEATING RECORD Complete one full record per baseline, gate review, material rupture or reauthorization cycle. Add as many records as required; do not combine materially different records into a single completion mark.

Field	Minimum record	Site-specific entry or record reference
Recognition and dignity	Whose experience enters the diagnosis? Who can correct the record? Identify standing, accessibility, humiliation, tokenism and exclusion.	[Enter substantive response or version-controlled record reference]
Embodied and relational safety	Can people dissent, pause, decline or exit without retaliation? Record confidential routes, accommodations and material protections.	[Enter substantive response or version-controlled record reference]
Institutional trustworthiness	List commitments, authority limits, disclosure duties, response times and what repair follows a breach. Do not require trust.	[Enter substantive response or version-controlled record reference]
Truthful conflict and pluralism	Describe minority reports, appeal, challenge uptake and protections against manufactured consensus, tone-policing and selective evidence.	[Enter substantive response or version-controlled record reference]
Social friendship and positive peace	Identify cross-boundary regard and cooperation while testing actual reductions in direct/structural harm and changes in life chances.	[Enter substantive response or version-controlled record reference]
Reciprocal care	Map needs, vulnerabilities, accessibility, compensation, care labour, caregiver protection and ecological/future responsibilities.	[Enter substantive response or version-controlled record reference]
Power-aware participation	State agenda, budget, pause, appeal and decision rights; identify counterweights to sponsor, elite or dependency power.	[Enter substantive response or version-controlled record reference]
Reflexive coordination and repair	Show how roles, procedures, aims and authority can change; record breach recognition, remedy completion and recurrence prevention.	[Enter substantive response or version-controlled record reference]
Protection-first needs	Specify preparatory protections required before intervention; name responsible parties, resources, evidence of completion and review date.	[Enter substantive response or version-controlled record reference]
Relational compact	Record norms for dignity, truthfulness, confidentiality, protected dissent, conflict engagement, non-retaliation, care labour, reasons, repair and revision.	[Enter substantive response or version-controlled record reference]

Field	Minimum record	Site-specific entry or record reference
Anti-coercion verification	Confirm that anger, mistrust, refusal, disability, communication style, internal disagreement or non-reconciliation were not treated as deficits; relational work was voluntary, separately consented and compensated; no forced encounter, disclosure, contact, mediation, forgiveness, emotional performance or confidential recording occurred.	[Enter substantive response or version-controlled record reference]
Convenor accountability	Independent complaint channel that bypasses the convenor; reporter protection, review authority, remedy and recurrence-prevention rule.	[Enter substantive response or version-controlled record reference]
Causal role and rivals	Pre-specify whether living coordination is a readiness condition, mechanism and/or outcome; expected evidence; rival mechanisms; disconfirming observations.	[Enter substantive response or version-controlled record reference]
Profile verdict	Ready / protection-first / not ready; dimensions requiring repair; minority interpretation; reviewer and date.	[Enter substantive response or version-controlled record reference]

Record-control field	Writable entry
Record ID and status	[ID; Red / Amber / Green; open / superseded / closed]
Evidence/source and location	[Version-controlled URI, file, page, range or record identifier]
Accountable owner and approving body	[Named person/institution; required affected-community and institutional approval]
Independent reviewer/verifier	[Name, role, independence and verification result]
Action and deadline	[Open action, resources, owner, deadline and evidence required for closure]
Date, version and expiry	[Created; effective; version; review date; automatic expiry]
Disclosure and authorization	[Public/confidential; reason + review date; authorization; dissent reference]

Appendix E — Power, Incumbency and Non-Domination Audit

Power is a causal variable and a constitutional concern. This audit covers both action and inaction and must be revisited after each gate.

REPEATING RECORD Complete one full record per actor or power source and each gate reassessment. Add as many records as required; do not combine materially different records into a single completion mark.

Field	Minimum record	Site-specific entry or record reference
Actor and power source	Legal, financial, technical, epistemic, cultural, coercive, infrastructural, platform, reputational or relational power.	[Enter substantive response or version-controlled record reference]
Resources and dependencies	Who controls money, time, data, services, livelihood, access, expertise, infrastructure and continued participation?	[Enter substantive response or version-controlled record reference]
Agenda and recognition power	Who defines the problem, admissible evidence, vocabulary, meeting agenda, urgency, success and whose account counts?	[Enter substantive response or version-controlled record reference]
Obstruction and capture	Veto, delay, non-compliance, procurement, lobbying, sponsor pressure, elite capture, professional monopoly or vendor lock-in.	[Enter substantive response or version-controlled record reference]
Harms of action and inaction	Compare distribution, severity, duration, reversibility and uncertainty without treating the status quo as neutral.	[Enter substantive response or version-controlled record reference]
Least-dominating alternatives	Assess necessity, alternatives, proportionality, subsidiarity, reversibility, non-dependence, contestability, distribution, capability and repairability.	[Enter substantive response or version-controlled record reference]
Countervailing measures	Redistributed authority/resources, independent advocacy, transparency, separation of roles, appeal, veto, rotation, sunset or anti-retaliation.	[Enter substantive response or version-controlled record reference]
Residual arbitrariness	What power remains unchecked? Who bears its risk? What limit, review, remedy or refusal is available?	[Enter substantive response or version-controlled record reference]
Audit verdict	Acceptable / conditional / unacceptable; unresolved dissent; required changes; authorizer and date.	[Enter substantive response or version-controlled record reference]

Record-control field	Writable entry
Record ID and status	[ID; Red / Amber / Green; open / superseded / closed]
Evidence/source and location	[Version-controlled URI, file, page, range or record identifier]
Accountable owner and approving body	[Named person/institution; required affected-community and institutional approval]
Independent reviewer/verifier	[Name, role, independence and verification result]
Action and deadline	[Open action, resources, owner, deadline and evidence required for closure]
Date, version and expiry	[Created; effective; version; review date; automatic expiry]
Disclosure and authorization	[Public/confidential; reason + review date; authorization; dissent reference]

Appendix F — Diagnosis, Mechanism, Rival and Falsification Register

Register the bounded claim before intervention. Do not protect the theory by redefining success after consequences are known.

REPEATING RECORD Complete one full record per bounded claim, mechanism or material registered amendment. Add as many records as required; do not combine materially different records into a single completion mark.

Field	Minimum record	Site-specific entry or record reference
Problem and construct	Operational definition, affected life-capacities, history, contested vocabulary, scope and construct-validity risks.	[Enter substantive response or version-controlled record reference]
Baseline and no-intervention path	Observed starting conditions, historical trajectory, expected path without intervention, uncertainty and data limitations.	[Enter substantive response or version-controlled record reference]
Mechanism proposition	Context–Intervention–Mechanism–Outcome–Burden–Adaptation statement; necessary links and time horizon.	[Enter substantive response or version-controlled record reference]
Serious rival 1	Alternative explanation, predicted observations, methods able to distinguish it and evidence that would favour it.	[Enter substantive response or version-controlled record reference]
Serious rival 2 or more	Add credible institutional, resource, enforcement, selection, historical, ecological or relational explanations.	[Enter substantive response or version-controlled record reference]
Boundary conditions	Settings, populations, times, institutional conditions and power relations within which the claim is expected to hold.	[Enter substantive response or version-controlled record reference]
Supporting observations	Pre-specified pattern, magnitude, distribution, sequence, process evidence and mechanism traces.	[Enter substantive response or version-controlled record reference]
Weakening observations	Evidence that narrows confidence, mechanism scope, transfer or effect size without necessarily falsifying the claim.	[Enter substantive response or version-controlled record reference]
Falsifying observations	Outcomes, mechanism absence, rival fit, subgroup harm, burden export, non-durability, legitimacy failure or repeated contradiction that defeats the bounded claim.	[Enter substantive response or version-controlled record reference]
Immediate-stop evidence	Protective-margin breach, severe credible harm, coercion, retaliation, data misuse, loss of lawful authority or unremediable exposure.	[Enter substantive response or version-controlled record reference]
Revision rule	How success, null, anomaly, failure and harm will alter the intervention, diagnosis, measurement, safeguards or theory.	[Enter substantive response or version-controlled record reference]
Registration control	Repository or confidential escrow, timestamp, public version hash, original registration, amendments and responsible custodian.	[Enter substantive response or version-controlled record reference]
Outcome and analysis status	Primary / secondary / exploratory questions and outcomes; causal contrast; outcome-switching rule; decision consequences of uncertainty.	[Enter substantive response or version-controlled record reference]

Field	Minimum record	Site-specific entry or record reference
Design adequacy	Recruitment, sampling and exclusions; quantitative sample-size, precision or power justification, or qualitative information-sufficiency and negative-case plan.	[Enter substantive response or version-controlled record reference]
Analysis integrity	Missing-data and multiplicity rules, subgroup plan, analysis code, data freeze, independent/blinded reanalysis where feasible and reproducibility package.	[Enter substantive response or version-controlled record reference]

Record-control field	Writable entry
Record ID and status	[ID; Red / Amber / Green; open / superseded / closed]
Evidence/source and location	[Version-controlled URI, file, page, range or record identifier]
Accountable owner and approving body	[Named person/institution; required affected-community and institutional approval]
Independent reviewer/verifier	[Name, role, independence and verification result]
Action and deadline	[Open action, resources, owner, deadline and evidence required for closure]
Date, version and expiry	[Created; effective; version; review date; automatic expiry]
Disclosure and authorization	[Public/confidential; reason + review date; authorization; dissent reference]

Appendix G — Protective Margins, Risk, Remedy and Stopping Plan

Protective margins are conditions of legitimate action, not benefits expected from the intervention.

Depletion triggers review before measurable injury is required.

REPEATING RECORD Complete one full record per risk domain, protective margin and material gate reassessment. Add as many records as required; do not combine materially different records into a single completion mark.

Field	Minimum record	Site-specific entry or record reference
Material margin	Income, food, shelter, health care, transport, childcare, essential-service continuity and replacement support; specify metric, minimum floor, baseline, worst credible stress scenario, custodian, verification, sentinel, frequency, depletion trigger, immediate action and replenishment deadline.	[Enter substantive response or version-controlled record reference]
Relational margin	Trusted convenors, confidential dissent, anti-retaliation, conflict support, trauma-informed referral and protection from care dumping; specify metric, minimum floor, stress scenario, custodian, verification, sentinel, depletion trigger and replenishment.	[Enter substantive response or version-controlled record reference]
Institutional/legal margin	Rights information, independent advocacy, lawful authority, ombuds/grievance, specialist ethics/regulatory review and enforcement; specify metric, floor, approval status, expiry, verification and lapse response.	[Enter substantive response or version-controlled record reference]
Informational margin	Data minimization, secure access, correction/deletion, confidentiality, community control and non-digital route; specify security floor, verification, sentinel, breach trigger and restoration evidence.	[Enter substantive response or version-controlled record reference]
Ecological margin	Buffers, precautionary thresholds, monitoring, restoration capacity and protection under uncertainty; specify metric, baseline, worst credible stress scenario, observer, frequency and restoration threshold.	[Enter substantive response or version-controlled record reference]
Temporal margin	Time for understanding, deliberation, refusal, staged change, recovery and delayed-harm observation; specify minimum periods, exception authority and evidence that time was usable.	[Enter substantive response or version-controlled record reference]
Financial/remedy margin	Ring-fenced compensation, repair, transition and restoration reserve independent of outcome incentives; specify sizing method, worst credible exposure, trustee/custodian, insolvency backstop, stress test and funded tail period.	[Enter substantive response or version-controlled record reference]
Risk tier	Tier 0 / 1 / 2 / 3 / Prohibited; classify by highest credible exposure and justify specialist review or ineligibility.	[Enter substantive response or version-controlled record reference]
Sentinel indicators	Early warning signs, thresholds, who observes, reporting frequency and protected escalation route.	[Enter substantive response or version-controlled record reference]

Field	Minimum record	Site-specific entry or record reference
Pause and stop rules	Trigger, immediate protection, authority, notification, investigation, review deadline, restart requirements and non-override rule.	[Enter substantive response or version-controlled record reference]
Remedy and repair	Independent administrator; confidential and non-digital channels; interim protection; representation; evidentiary standard; written reasons; 24-hour urgent action, two-business-day acknowledgement and ten-business-day initial determination; appeal; reserve disbursement and recurrence prevention.	[Enter substantive response or version-controlled record reference]
Reserve control and backstop	Independent trustee/custodian; worst-credible-exposure sizing; stress test; insolvency and insurance backstop; disbursement authority; funded tail period; no reclamation before independent closure certification and tail expiry.	[Enter substantive response or version-controlled record reference]
External and surviving rights	Compatibility with courts, regulators and other remedies; limitation or filing periods; claims, liabilities and appeal rights surviving withdrawal, sunset and closure.	[Enter substantive response or version-controlled record reference]
Residual obligations	Delayed-harm surveillance, outstanding claims, essential functions, long-tail ecological/relational repair and responsible institution.	[Enter substantive response or version-controlled record reference]

Record-control field	Writable entry
Record ID and status	[ID; Red / Amber / Green; open / superseded / closed]
Evidence/source and location	[Version-controlled URI, file, page, range or record identifier]
Accountable owner and approving body	[Named person/institution; required affected-community and institutional approval]
Independent reviewer/verifier	[Name, role, independence and verification result]
Action and deadline	[Open action, resources, owner, deadline and evidence required for closure]
Date, version and expiry	[Created; effective; version; review date; automatic expiry]
Disclosure and authorization	[Public/confidential; reason + review date; authorization; dissent reference]

Appendix H — Evidence and Indicator Register

Build a disaggregated evidence profile across time, scale and perspective. Do not create a single civilizational-healing score.

REPEATING RECORD Complete one full record per indicator, evidentiary question or safeguard measure. Add as many records as required; do not combine materially different records into a single completion mark.

Field	Minimum record	Site-specific entry or record reference
Evaluative question	Bounded question linked to the governing proposition, affected concerns, mechanism, burden or safeguard.	[Enter substantive response or version-controlled record reference]
Domain and construct	Life-capacity, justice/distribution, ecological integrity, living coordination, institution, epistemic commons, burden displacement, repair or learning.	[Enter substantive response or version-controlled record reference]
Indicator and rationale	Operational definition, why it matters, intended direction, meaningful threshold and limits.	[Enter substantive response or version-controlled record reference]
Time	Baseline, repeated interval, event-triggered review, close-out and delayed follow-up.	[Enter substantive response or version-controlled record reference]
Scale	Individual, relationship, community, institution, place, ecosystem, network, political economy, future generation or cross-scale interface.	[Enter substantive response or version-controlled record reference]
Perspective and disaggregation	Affected subgroup, duty-bearer, practitioner, independent reviewer, ecological/absent-interest evidence; locally relevant power/vulnerability categories.	[Enter substantive response or version-controlled record reference]
Method and source	Quantitative, qualitative, participatory, observational, administrative, biophysical, documentary, comparative or mixed method; provenance.	[Enter substantive response or version-controlled record reference]
Quality and uncertainty	Validity, reliability, missingness, bias, positionality, confidence, comparability and uncertainty.	[Enter substantive response or version-controlled record reference]
Safeguard	Minimization, consent/authority, confidentiality, burden, accessibility, correction, community control and prohibited uses.	[Enter substantive response or version-controlled record reference]
Decision rule	What pattern supports, weakens, falsifies, pauses, stops, repairs, continues or scales?	[Enter substantive response or version-controlled record reference]
Responsible steward	Named human/institution; review, publication and challenge route.	[Enter substantive response or version-controlled record reference]
Registration and status	Repository/escrow, timestamp, version hash; primary / secondary / exploratory status and registered amendments.	[Enter substantive response or version-controlled record reference]
Design adequacy	Sampling/recruitment/exclusions; quantitative precision or power, or qualitative information sufficiency and negative-case plan.	[Enter substantive response or version-controlled record reference]

Field	Minimum record	Site-specific entry or record reference
Analysis integrity	Missingness, multiplicity, subgroup plan, data freeze, code, independent reanalysis where feasible and reproducibility record.	[Enter substantive response or version-controlled record reference]

Record-control field	Writable entry
Record ID and status	[ID; Red / Amber / Green; open / superseded / closed]
Evidence/source and location	[Version-controlled URI, file, page, range or record identifier]
Accountable owner and approving body	[Named person/institution; required affected-community and institutional approval]
Independent reviewer/verifier	[Name, role, independence and verification result]
Action and deadline	[Open action, resources, owner, deadline and evidence required for closure]
Date, version and expiry	[Created; effective; version; review date; automatic expiry]
Disclosure and authorization	[Public/confidential; reason + review date; authorization; dissent reference]

Appendix I — Intervention, Decision and Deviation Log

Every material action and adaptation must remain traceable to authority, evidence, reasons and consequences.

REPEATING RECORD Complete one full record per intervention component, material decision, adaptation or deviation. Add as many records as required; do not combine materially different records into a single completion mark.

Field	Minimum record	Site-specific entry or record reference
Intervention component	Action, target mechanism, responsible implementer, setting, stage, permitted scope and exclusions.	[Enter substantive response or version-controlled record reference]
Authorization	Decision body, affected-community key, responsible-institution key, independent certification, date and conditions.	[Enter substantive response or version-controlled record reference]
Least-dominating-means result	Alternatives considered; necessity, proportionality, subsidiarity, reversibility, contestability, distribution and repairability.	[Enter substantive response or version-controlled record reference]
Expected effects and burdens	Mechanism, timing, groups benefiting/burdened, uncertainty, sentinel effects and burden-shift risks.	[Enter substantive response or version-controlled record reference]
Implementation fidelity	What occurred, dose/reach, contextual changes, departures, responsible actor and source.	[Enter substantive response or version-controlled record reference]
Decision or adaptation	Continue / modify / pause / stop / repair / close; trigger, evidence, date, authorizers and material dissent.	[Enter substantive response or version-controlled record reference]
Deviation from precommitment	Original commitment, change, rationale, authorizing body, affected response and implications for interpretation.	[Enter substantive response or version-controlled record reference]
Follow-up	Assigned tasks, resources, deadlines, verification and open obligations.	[Enter substantive response or version-controlled record reference]

Record-control field	Writable entry
Record ID and status	[ID; Red / Amber / Green; open / superseded / closed]
Evidence/source and location	[Version-controlled URI, file, page, range or record identifier]
Accountable owner and approving body	[Named person/institution; required affected-community and institutional approval]
Independent reviewer/verifier	[Name, role, independence and verification result]
Action and deadline	[Open action, resources, owner, deadline and evidence required for closure]
Date, version and expiry	[Created; effective; version; review date; automatic expiry]
Disclosure and authorization	[Public/confidential; reason + review date; authorization; dissent reference]

Appendix J — Consequence, Anomaly, Adverse Effect and Repair Ledger

Distinguish anomaly from adverse effect. An anomaly challenges explanation; an adverse effect signals possible injury. Both can require action.

REPEATING RECORD Complete one full record per consequence, anomaly, near miss, adverse effect, grievance or margin-depletion event. Add as many records as required; do not combine materially different records into a single completion mark.

Field	Minimum record	Site-specific entry or record reference
Event or observation	Date/time, source, context, affected group/system, scale and whether anticipated.	[Enter substantive response or version-controlled record reference]
Classification	Expected consequence / anomaly / negative case / positive deviance / near miss / adverse effect / grievance / margin depletion.	[Enter substantive response or version-controlled record reference]
Severity and confidence	Credible magnitude, duration, reversibility, distribution, uncertainty and evidential confidence.	[Enter substantive response or version-controlled record reference]
Immediate protection	Cessation, safety, service continuity, confidentiality, advocacy, clinical/legal/ecological support or other stabilization.	[Enter substantive response or version-controlled record reference]
Interpretations and rivals	Participant, institutional and evaluator interpretations; relevant causal alternatives and disagreement.	[Enter substantive response or version-controlled record reference]
Decision	No change / investigate / modify / pause / stop / repair / escalate; reasons and authority.	[Enter substantive response or version-controlled record reference]
Repair obligation	Acknowledgement, remedy, compensation, restoration, correction, transition, institutional change and responsible party.	[Enter substantive response or version-controlled record reference]
Completion and affected assessment	Evidence of completion; affected-party view; unresolved claim; recurrence-prevention test.	[Enter substantive response or version-controlled record reference]
Implication for theory/transfer	Supports, weakens, falsifies or narrows mechanism, construct, safeguards, scope or transfer.	[Enter substantive response or version-controlled record reference]

Record-control field	Writable entry
Record ID and status	[ID; Red / Amber / Green; open / superseded / closed]
Evidence/source and location	[Version-controlled URI, file, page, range or record identifier]
Accountable owner and approving body	[Named person/institution; required affected-community and institutional approval]
Independent reviewer/verifier	[Name, role, independence and verification result]
Action and deadline	[Open action, resources, owner, deadline and evidence required for closure]
Date, version and expiry	[Created; effective; version; review date; automatic expiry]
Disclosure and authorization	[Public/confidential; reason + review date; authorization; dissent reference]

Appendix K — Data, Knowledge and AI Use Register

Capability does not confer authority. Every consequential use retains named human and institutional responsibility, contestability and a non-AI pathway.

REPEATING RECORD Complete one full record per dataset–system–version–use case, including each material change. Add as many records as required; do not combine materially different records into a single completion mark.

Field	Minimum record	Site-specific entry or record reference
Dataset or knowledge source	Description, provenance, community/cultural status, rights, collection purpose, quality and known omissions.	[Enter substantive response or version-controlled record reference]
Authority and permissions	Affected/community authorization, lawful basis, access rights, purpose limits, secondary use, benefit sharing and revocation.	[Enter substantive response or version-controlled record reference]
Minimization and lifecycle	Fields, necessity, storage, security, access log, retention, deletion, handback and breach response.	[Enter substantive response or version-controlled record reference]
AI system and version	Provider/model/tool, version/date, deployment context and material dependencies.	[Enter substantive response or version-controlled record reference]
Purpose and prohibited uses	Permitted assistance; affirm no delegated consent, diagnosis, credibility, ethics, grievance, funding, risk, gate, stop or political authority.	[Enter substantive response or version-controlled record reference]
Inputs, outputs and provenance	Data entered, retrieval sources, generated material, labels, citations, uncertainty and reproducibility limits.	[Enter substantive response or version-controlled record reference]
Human/institutional responsibility	Named accountable reviewer and duty-bearing institution; competence, review procedure and sign-off.	[Enter substantive response or version-controlled record reference]
Bias, error and impact	Known limitations, affected groups, failure modes, environmental/material costs and red-team findings.	[Enter substantive response or version-controlled record reference]
Contestability and non-AI route	Notice, explanation, correction, appeal, human reconsideration, opt-out and equivalent accessible alternative.	[Enter substantive response or version-controlled record reference]
Incident and correction record	Error, harm or misuse; containment, notification, remedy, corrected record and prevention.	[Enter substantive response or version-controlled record reference]
Publication disclosure	Material AI assistance, verification performed, unresolved uncertainty and responsibility statement.	[Enter substantive response or version-controlled record reference]
Impact assessment	Data and AI impact assessment; consequential-use classification; affected groups; residual risks; affected-authority and independent-review acceptance.	[Enter substantive response or version-controlled record reference]
Security and vendor controls	Security architecture; hosting and transfer location; provider training/retention settings; subprocessors; contractual audit, deletion, export, incident, exit and record-portability duties.	[Enter substantive response or version-controlled record reference]

Field	Minimum record	Site-specific entry or record reference
Validation and oversight	Subgroup and failure-mode validation; red-team results; reviewer competence and review time; sampled output audit; equivalent non-AI route test.	[Enter substantive response or version-controlled record reference]
Change control	Approved model, provider, data source, retrieval, prompt workflow and deployment; freeze conditions; automatic suspension and reauthorization after material change.	[Enter substantive response or version-controlled record reference]

Record-control field	Writable entry
Record ID and status	[ID; Red / Amber / Green; open / superseded / closed]
Evidence/source and location	[Version-controlled URI, file, page, range or record identifier]
Accountable owner and approving body	[Named person/institution; required affected-community and institutional approval]
Independent reviewer/verifier	[Name, role, independence and verification result]
Action and deadline	[Open action, resources, owner, deadline and evidence required for closure]
Date, version and expiry	[Created; effective; version; review date; automatic expiry]
Disclosure and authorization	[Public/confidential; reason + review date; authorization; dissent reference]

Appendix L — Gate Decision Record

Use at G0–G6 and at event-triggered reviews. Silence or sponsor preference does not substitute for authorization.

REPEATING RECORD Complete one full record per G0–G6 decision and event-triggered review. Add as many records as required; do not combine materially different records into a single completion mark.

Field	Minimum record	Site-specific entry or record reference
Gate and question	G0 Qualification / G1 Readiness / G2 Diagnostic sufficiency / G3 Safe-to-act / G4 Act / G5 Continue–adapt–pause–terminate / G6 Close–reconfigure–recommend a new candidate. G6 cannot authorize transfer.	[Enter substantive response or version-controlled record reference]
Evidence reviewed	Versioned dossier, affected interpretations, independent review, anomaly/adverse log, margins, risk and unresolved uncertainty.	[Enter substantive response or version-controlled record reference]
Readiness profile	Record each relevant dimension Red / Amber / Green with evidence; no compensating total score.	[Enter substantive response or version-controlled record reference]
Affected-community decision	Authorize / conditional / withhold / withdraw; constituency, process, dissent, date and expiry.	[Enter substantive response or version-controlled record reference]
Responsible-institution decision	Authorize / conditional / withhold / withdraw; duty, resources, lawful authority and named accountable officer.	[Enter substantive response or version-controlled record reference]
Independent safeguard decision	Certify / conditional / pause / stop / decline; reviewer independence and conflicts.	[Enter substantive response or version-controlled record reference]
Decision and conditions	Go / repair and resubmit / investigate / redesign / modify / pause / terminate / close / no transfer; reasons and conditions.	[Enter substantive response or version-controlled record reference]
Gate-specific minimum	G0 Q1–Q10 and red lines; G1 constituted authority and Charter; G2 registered claim and evidence design; G3 quantified margins, remedy and approvals; G4 final protocol, training and authorized envelope; G5 current consequence and margin evidence; G6 funded closure and transfer-bar review.	[Enter substantive response or version-controlled record reference]
Conditional validity	Each condition, owner, completion evidence, deadline and automatic expiry; red is no-go and amber in a non-negotiable domain cannot authorize material action.	[Enter substantive response or version-controlled record reference]
Dissent and appeal	Minority report, unresolved disagreement, appeal route, deadline and protection from retaliation.	[Enter substantive response or version-controlled record reference]
Next review	Trigger, date, evidence needed, responsible parties and actions before the next gate.	[Enter substantive response or version-controlled record reference]
Record control	Version, date, custodians, signatures or equivalent authorization records, public/confidential status.	[Enter substantive response or version-controlled record reference]

Record-control field	Writable entry
Record ID and status	[ID; Red / Amber / Green; open / superseded / closed]
Evidence/source and location	[Version-controlled URI, file, page, range or record identifier]
Accountable owner and approving body	[Named person/institution; required affected-community and institutional approval]
Independent reviewer/verifier	[Name, role, independence and verification result]
Action and deadline	[Open action, resources, owner, deadline and evidence required for closure]
Date, version and expiry	[Created; effective; version; review date; automatic expiry]
Disclosure and authorization	[Public/confidential; reason + review date; authorization; dissent reference]

Appendix M — Closure, Learning and Reconfiguration Report

Closure is a governed phase, not abandonment. Report success, failure or inconclusive results without converting learning value into intervention success.

REPEATING RECORD Complete one full record per Laboratory cycle, closure version and residual-duty review. Add as many records as required; do not combine materially different records into a single completion mark.

Field	Minimum record	Site-specific entry or record reference
Bounded claim and verdict	Success / failure / inconclusive, with full/bounded/conditional, equitable/uneven, transient/durable, context-bound/transferable and confidence qualifiers.	[Enter substantive response or version-controlled record reference]
Implementation account	What was authorized, what occurred, material deviations, exposure and fidelity.	[Enter substantive response or version-controlled record reference]
Consequences	Disaggregated benefits, harms, burdens, margins and effects across scales, time and perspectives.	[Enter substantive response or version-controlled record reference]
Mechanism and rivals	Supported / provisionally supported / unresolved / not supported / contradicted; causal-contribution reasoning.	[Enter substantive response or version-controlled record reference]
Living coordination	Readiness condition, mechanism and outcome profile; dissent, agency, trustworthiness, care burdens, conflict, repair and post-facilitator durability.	[Enter substantive response or version-controlled record reference]
Legitimacy and non-domination	Affected authority, refusability, arbitrary power, distribution, burden displacement and safeguard performance.	[Enter substantive response or version-controlled record reference]
Harm, grievance and repair	Events, response, remedy completion, affected assessment, open claims and residual obligations.	[Enter substantive response or version-controlled record reference]
Anomalies and negative findings	What challenged expectation, who raised it, how it changed action or interpretation and what remains unresolved.	[Enter substantive response or version-controlled record reference]
Reconfiguration	Local adaptation, intervention redesign, mechanism/scope/construct revision, safeguard or institutional change, higher-order theoretical implication.	[Enter substantive response or version-controlled record reference]
Closure and handback	Cessation/continuity, data and resource disposition, transition, delayed-harm follow-up, ecological/relational restoration and duty-bearers.	[Enter substantive response or version-controlled record reference]
Transfer decision	Do not transfer / conditional hypothesis only / recommend a new candidate setting. Record transfer-bar status; every transfer begins at G0 and requires a new Charter and authorization.	[Enter substantive response or version-controlled record reference]
Closure certificate	Separate affected-community, responsible-institution and independent-review determinations; open dissent; certification cannot waive claims.	[Enter substantive response or version-controlled record reference]

Field	Minimum record	Site-specific entry or record reference
Assets, records and data	Asset and record custodian; resource disposition; data deletion/return evidence; access and correction route after closure.	[Enter substantive response or version-controlled record reference]
Residual-duty funding	Essential-function owner and funding; delayed-harm follow-up duration and reopen triggers; residual-duty contact; tail reserve or insurance; open-claim register.	[Enter substantive response or version-controlled record reference]
Next bounded question	What reality now requires the programme to investigate, repair or revise.	[Enter substantive response or version-controlled record reference]

Record-control field	Writable entry
Record ID and status	[ID; Red / Amber / Green; open / superseded / closed]
Evidence/source and location	[Version-controlled URI, file, page, range or record identifier]
Accountable owner and approving body	[Named person/institution; required affected-community and institutional approval]
Independent reviewer/verifier	[Name, role, independence and verification result]
Action and deadline	[Open action, resources, owner, deadline and evidence required for closure]
Date, version and expiry	[Created; effective; version; review date; automatic expiry]
Disclosure and authorization	[Public/confidential; reason + review date; authorization; dissent reference]

Appendix N — Public Learning Report Minimum Record

Publish an accessible summary and technical annex while protecting justified personal, community, cultural, ecological and security-sensitive information.

REPEATING RECORD Complete one full record per public report, material update or corrigendum. Add as many records as required; do not combine materially different records into a single completion mark.

Field	Minimum record	Site-specific entry or record reference
Identity and version	Laboratory title, setting, dates, Charter version, report version, responsible bodies, license and citation.	[Enter substantive response or version-controlled record reference]
Invitation and problem	Who initiated the inquiry, the bounded question, affected constituencies and prior history.	[Enter substantive response or version-controlled record reference]
Authority and safeguards	Who governed, how affected authority worked, protective margins, risk tier, refusal, grievance, stop and remedy.	[Enter substantive response or version-controlled record reference]
Intervention	What changed, what did not, mechanism, alternatives and least-dominating-means reasoning.	[Enter substantive response or version-controlled record reference]
Evidence and limitations	Methods, baseline, disaggregation, uncertainty, missing evidence, conflicts and AI/data use.	[Enter substantive response or version-controlled record reference]
Consequences and verdict	Benefits, harms, burdens, distribution, mechanism judgment and success/failure/inconclusive classification.	[Enter substantive response or version-controlled record reference]
Affected-community interpretation	Factual review, independent interpretation, dissent and unresolved disagreement; endorsement is not required.	[Enter substantive response or version-controlled record reference]
Repair and open obligations	Remedies completed, outstanding claims, residual duties, follow-up and responsible institutions.	[Enter substantive response or version-controlled record reference]
Learning and revision	Negative findings, anomalies, protocol changes, theory/safeguard revisions and what will be done differently.	[Enter substantive response or version-controlled record reference]
Transfer limits	Context, boundary conditions, groups/settings to which findings do not apply and requirements for any new inquiry.	[Enter substantive response or version-controlled record reference]
Access and challenge	Where records can be found; accessibility, language, correction, appeal, data request and contact routes.	[Enter substantive response or version-controlled record reference]

Field	Minimum record	Site-specific entry or record reference
Publication timetable	Ten-business-day Candidate Note/gate/amendment publication; 72-hour de-identified serious-safety notice after stabilization; 90-day close-out deadline; missed-deadline reason and revised date.	[Enter substantive response or version-controlled record reference]
Redaction and review	Itemized, minimum-necessary and independently reviewed redactions; time limit where possible; sponsor/vendor factual review without veto.	[Enter substantive response or version-controlled record reference]
Version and correction	Stable repository, preserved prior versions, linked corrections and safety-critical corrigenda; affected constituencies' 20-business-day review and unedited interpretation/dissent.	[Enter substantive response or version-controlled record reference]

Record-control field	Writable entry
Record ID and status	[ID; Red / Amber / Green; open / superseded / closed]
Evidence/source and location	[Version-controlled URI, file, page, range or record identifier]
Accountable owner and approving body	[Named person/institution; required affected-community and institutional approval]
Independent reviewer/verifier	[Name, role, independence and verification result]
Action and deadline	[Open action, resources, owner, deadline and evidence required for closure]
Date, version and expiry	[Created; effective; version; review date; automatic expiry]
Disclosure and authorization	[Public/confidential; reason + review date; authorization; dissent reference]

Appendix O — Legal, Ethics and Regulatory Applicability and Approval Register

Classify the activity and document every applicable authority before G3. Generic protocol compliance does not substitute for jurisdiction-specific approval.

REPEATING RECORD Complete one full record per jurisdiction, regulatory regime, permit, approval, exemption or material amendment. Add as many records as required; do not combine materially different records into a single completion mark.

Field	Minimum record	Site-specific entry or record reference
Activity classification	Research / human-subjects research / quality improvement / public administration / clinical or professional activity / service intervention / environmental action / other; rationale and classifier.	[Enter substantive response or version-controlled record reference]
Jurisdiction and competent authority	Geographic, institutional, professional, Indigenous, data, environmental and cross-border jurisdictions; competent bodies and contacts.	[Enter substantive response or version-controlled record reference]
Applicable requirements	Human-subjects and community ethics, privacy, labour, essential-service, professional, clinical, child/adult safeguarding, environmental, accessibility, Indigenous-rights, procurement, insurance and AI requirements.	[Enter substantive response or version-controlled record reference]
Approval, permit or exemption	Authority, approval/exemption identifier, legal basis, conditions, effective date, expiry and version-controlled evidence.	[Enter substantive response or version-controlled record reference]
Counsel or specialist review	Named qualified reviewer, scope, conflicts, opinion date and unresolved legal or ethical uncertainty.	[Enter substantive response or version-controlled record reference]
Incident and reporting duties	Reportable events, recipient authority, notification deadline, responsible officer and evidence of submission.	[Enter substantive response or version-controlled record reference]
Renewal and lapse control	Renewal owner, deadline, monitoring, effect of lapse and automatic pause or stop rule.	[Enter substantive response or version-controlled record reference]
G3 clearance	Independent confirmation that no applicable approval, permit, insurance, legal authority or ethics clearance is absent, expired, suspended or materially inconsistent with the Charter.	[Enter substantive response or version-controlled record reference]

Record-control field	Writable entry
Record ID and status	[ID; Red / Amber / Green; open / superseded / closed]
Evidence/source and location	[Version-controlled URI, file, page, range or record identifier]
Accountable owner and approving body	[Named person/institution; required affected-community and institutional approval]
Independent reviewer/verifier	[Name, role, independence and verification result]
Action and deadline	[Open action, resources, owner, deadline and evidence required for closure]
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Canonical Scholarly Record and Selected References

The protocol is a new operational layer within the Civilizational Healing Project. It does not alter the seven-work canonical publication architecture.

Protocol DOI: <https://doi.org/10.5281/zenodo.22230642>

Suggested citation: Sahely, B. (2026). *Transformational Laboratories Protocol: From Civilizational Healing Theory to Bounded, Life-Grounded Praxis, with Living Coordination as the Necessary Affective-Relational Substrate* (Version 1.0). Zenodo. <https://doi.org/10.5281/zenodo.22230642>

Seven canonical works

- F1** — Sahely, B. (2026). How Does a Civilization Learn to Heal? Toward a Life-Grounded Theory of Civilizational Healing (Version 4.4). [10.5281/zenodo.22116920](https://doi.org/10.5281/zenodo.22116920)
- F2** — Sahely, B. (2026). Civilizational Healing Research Architecture: A Transdisciplinary Programme for Life-Grounded Diagnosis, Repair, Regeneration, and Learning (Version 4.0). [10.5281/zenodo.22117200](https://doi.org/10.5281/zenodo.22117200)
- F3** — Sahely, B. (2026). The Missing Grammar of Modern Civilization: Civilizational Healing, Artificial Intelligence, and the Passage from Fragmentation to Reflexive Integration (Version 1.0). [10.5281/zenodo.22142195](https://doi.org/10.5281/zenodo.22142195)
- T1** — Sahely, B. (2026). The Politics of Civilizational Healing: Power, Incumbency, and Transformational Capacity (Version 1.1). [10.5281/zenodo.22171341](https://doi.org/10.5281/zenodo.22171341)
- T2** — Sahely, B. (2026). Institutions of Reflexive Transformation: Polycentric Constitutional Ecology, Boundary Institutions, and Democratic Legitimacy (Version 1.1). [10.5281/zenodo.22179316](https://doi.org/10.5281/zenodo.22179316)
- T3** — Sahely, B. (2026). Conflict, Repair, and Non-Domination: The Political Ethics of Civilizational Healing (Version 1.1). [10.5281/zenodo.22181114](https://doi.org/10.5281/zenodo.22181114)
- T4** — Sahely, B. (2026). Artificial Intelligence and the Epistemic Commons: Civilizational Intelligence Without Machine Sovereignty (Version 1.1). [10.5281/zenodo.22181464](https://doi.org/10.5281/zenodo.22181464)

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Project hub

The canonical project navigation, version history and multimedia record are maintained at the [Civilizational Healing Project Hub](#).

AI disclosure and scholarly responsibility

The originating questions, normative commitments, conceptual architecture, direction of inquiry and final scholarly judgments are the author's. OpenAI's ChatGPT was used extensively as a research and editorial assistant in developing this protocol, including for structured synthesis, drafting, comparison, adversarial review, terminology control, document engineering and accessibility checks. The author reviewed and revised the resulting text, retains responsibility for verifying every claim and reference, and accepts full responsibility for the published work. No AI system is an author or source of authority.

This disclosure applies the protocol's capability-authority distinction to its own production: an AI system may augment synthesis, critique and presentation, but it cannot hold affected-community standing, exercise political or ethical authority, give consent, assume institutional duties or bear responsibility for consequences. Material AI assistance used in future versions will be disclosed in the versioned scholarly record.

Versioning and corrigibility

Version 1.0 establishes a pre-implementation protocol. It makes no claim that a Transformational Laboratory is active or that the architecture has been empirically validated. Future revisions should distinguish editorial correction, safeguard revision, operational learning, conceptual revision and empirical challenge; preserve prior versions; identify evidence and affected input prompting change; and avoid silent deletion of dissent, failure or anomaly.

INVITATION TO INQUIRY This protocol is offered as a corrigible common instrument. Its legitimacy will depend not on elegance or adoption alone, but on whether affected people can use it to obtain standing, protection, truthful consequence-tracking, completed repair and real power to reconfigure the conditions that shape their lives.

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