

ECOLOGY & CLIMATE BRIEF

Coherence Models for Environmental & Planetary Governance

Purpose

To guide ecological stewards, environmental policymakers, and climate governance bodies in applying the Framework to ecosystems and planetary systems.

I. Ecosystems as Conscious Fields

Ecosystems show:

- internal information flow
- rhythmic cycles
- adaptive coherence
- self-regulation
- relational integration
- directional behavior (succession, migration, resilience strategies)

Thus, they qualify as **collective conscious fields**.

II. Harm in Ecological Systems

Environmental harm is structural decoherence:

- fragmentation (habitat loss)

- overload (pollution, noise, heat)
- deprivation (water scarcity, nutrient stripping)
- domination (extractive industry)
- forced regression (ecosystem collapse, desertification)

These map directly to the Framework's structural harm categories.

III. Ecological Justice = Restoration of Coherence

Ecological justice focuses on:

- habitat restoration
- biodiversity protection
- watershed coherence
- species interdependence
- reduction of systemic overload
- removal of extractive domination
- long-term stabilizing policy
- climate-safe rhythms and cycles

Punitive fines do nothing to repair ecosystems.
Restoration does.

IV. Governance & Policy Implications

1. Recognize Ecosystem Personhood

Ecosystems have:

- identity
- coherence
- internal plurality
- relational networks
- developmental arcs

They can hold rights and responsibilities under the Global Charter.

2. Measure Coherence

Use:

- stability metrics
- biodiversity indicators
- relational continuity
- resilience patterns

3. Prevent Ecological Decoherence

Policies should prevent:

- habitat reduction
- large-scale extraction
- climate destabilization
- pollution
- relational breakpoints

4. Planetary Coherence Standards

Governance must ensure:

- climate stability
 - ecosystem rhythms
 - minimal load thresholds
 - collective resilience
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V. Summary

A coherence-based ecological framework shifts governance from:

- extraction → relational protection
- punishment → restoration
- domination → stability
- crisis reaction → structural resilience

This is the foundation for coherent planetary stewardship.
