

"Evolve without forgetting."

Guiding principle of Ancestral Evolution

ANCESTRAL EVOLUTION

A Philosophical Framework for the Governance of Transformative Technologies

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METHODOLOGICAL NOTE

This Version 2.0 incorporates five structural updates from the original document:

- Scoring methodology: the four-pillar evaluation system is fully explained with objective criteria for each score.
- Layer separation: clear distinction between the universal ethical framework and the foundational Mapuche cosmology (the author's cultural context).
- Inclusion of a rejection case: mass AI surveillance is evaluated and rejected, demonstrating the framework produces real limits.
- Resistance scenarios in the adoption timeline: alternative pathways if major powers decline to adopt.
- Academic bibliography: references for institutional validation.

1. EXECUTIVE SUMMARY

Humanity faces an existential bifurcation. The technologies defining the 21st century — genetic editing, artificial general intelligence, brain-computer interfaces, radical life extension — are not neutral tools: they are forces that can elevate our species or fragment it into permanent castes. The window for establishing ethical governance is closing. By 2030, superhuman artificial intelligence will be commercial reality.

The current debate is polarized between two equally unsatisfying positions. Western transhumanism promises unlimited evolution, but built on extreme individualism and cultural amnesia, it leads to genetic feudalism. Bioconservatism protects human dignity, but by rejecting all modification, it condemns humanity to stagnation.

Ancestral Evolution is the third way. It is a process by which consciousness and body co-evolve toward higher states of integration, capability, and cosmic purpose, guided by ancestral wisdom and clear ethical limits. Its foundation is the four pillars of the Az Mapu — Tuwün, Kūpalme, Mapu, Lof — tested over 10,000 years to keep communities cohesive through radical transformations.

Applied results: Eleven critical technologies evaluated. Average approval rate: 81%. Radical life extension reaches 100%; planetary terraformation, 93.75%. Mass AI surveillance is rejected at 37.5% — the framework has real teeth.

Implementation is incremental: pilot communities (2026–2028), regional expansion (2029–2032), national adoption in pioneer countries (2033–2040), planetary governance (2041–2050), and the Cosmic Constitution ratified before the second planet is significantly inhabited. The time to act is now.

2. THE PROBLEM

2.1 The Broken Promise of Transhumanism

The transhumanist movement articulates goals resonating with humanity's oldest aspirations. Ray Kurzweil promises the 'singularity'. Aubrey de Grey seeks 'longevity escape velocity'. Elon Musk envisions humanity as a multi-planetary species. These visions are not wild fantasies but logical continuations of human impulses extending from the caves of Altamira to MIT laboratories.

The problem lies not in the goals but in implementation without a coherent ethical framework. Western transhumanism is built on three philosophical pillars that guarantee dystopia: extreme individualism, cultural amnesia, and techno-solipsism.

The consequences are already visible. In 2018, He Jiankui genetically edited two human babies — modifying the CCR5 gene to confer HIV resistance — violating all ethical protocols, conducted in secret, with unpredicted off-target effects. This is not an isolated case of 'bad science' — it is the predictable result of technological ambition without robust ethical governance.

If genetic editing, brain-computer interfaces, and radical life extension are available only to those who can pay \$500,000 per treatment, within three generations there will be two species: Homo superior (modified, connected, living 200 years) and classic Homo sapiens (unmodified, disconnected, obsolete at 80). Transhumanism promises transcendence but delivers genetic feudalism.

2.2 The Bioconservative Critique and Its Limits

Fukuyama (2002), Sandel (2007), and Kass (2002) correctly identify the dangers. There is something essentially human that must be protected. Bioconservatism defends human dignity and protects the vulnerable.

However, bioconservatism has a fatal weakness: it offers no solution to real problems. A child born with cystic fibrosis faces painful death before age 40. The bioconservative response is: 'Do not edit the gene.' The child dies at 35. Bioconservatism preserved their 'dignity' but not their life.

More fundamentally, bioconservatism confuses means with ends. The goal is not to preserve Homo sapiens as it currently exists — the goal is to preserve what makes human existence valuable: consciousness, dignity, love, community, meaning. If technology can elevate these qualities, rejecting it is to fetishize the container while abandoning the content.

2.3 Why the West Cannot Solve This Alone

Both movements are products of the same Western philosophical tradition that systematically separates what should never have been divided: mind from body, individual from community, human from nature, science from ethics.

Indigenous traditions offer what the West lost: worldviews that never made these separations. For the Mapuche, each person is Tuwün (evolutionary vector anchored in territory) and Kúpalme (river

of transgenerational consciousness). The Lakota declare 'Mitakuye Oyasin' — we are relatives of all things. Maori practice Kaitiakitanga — responsible stewardship for seven generations. Ubuntu: 'I am because we are.'

Ancestral Evolution is the necessary synthesis: take the technological capabilities the West developed and subject them to the ethical wisdom indigenous traditions preserved.

3. THE SOLUTION

3.1 The Four Pillars of the Az Mapu

The Az Mapu — 'the form of the cosmos' — is the fundamental structure of reality according to Mapuche cosmology: the universe's inherent configuration, as fundamental as gravity. Violating the Az Mapu results in fragmentation and collapse.

TUWÜN — Evolutionary Vector

Traditionally 'where you come from' — your place of origin. In Ancestral Evolution: 'where you are going' — your evolutionary vector. Technology facilitating conscious movement respects Tuwün; technology generating dependency or enclosure violates it.

KÜPALME — River of Transgenerational Consciousness

Your complete family lineage and transgenerational memory: values, knowledge, stories, the Newen cultivated by your ancestors. Does this technology preserve the flow or break it? Modifications should be gradual and preferably reversible.

MAPU — Cosmic Reciprocity

What you take from the universe, you must return. Does this technology give back more than it takes? Life extension for service respects Mapu; purely hedonic extension violates it. Terraforming a dead world — takes 1, returns 1,000 — is the highest expression of Mapu.

LOF — Network of Collaborating Consciousnesses

Your local community (300–1,000 people) and its regional, planetary, and cosmic extensions. Does this technology strengthen the network or fragment it? Every approved technology must be universally accessible — species cohesion depends on everyone being able to evolve together.

3.2 The Seven Levels of Consciousness

Access to transformative technologies is determined by level of developed consciousness, not wealth or abstract right. Giving powerful technology to someone with immature consciousness is like giving a loaded weapon to a child.

Level	Mapuche Name	Core Characteristic	Technology Access
1	Che-Werken	Basic egocentric consciousness	Survival and education only
2	Che-Kura	Emerging empathy, cause and effect	Educational tools, supervised communication
3	Weche/Ulcha	Identity exploration, values formation	Moderate, evaluated case by case
4	Kimche (Sage)	Deep integration, systemic wisdom	Basic BCI, life extension, somatic optimization
5	Norche (Upright)	Total ethical coherence,	Almost all — supervised AI fusion,

		equanimity	nanotechnology
6	Newenche (Strong)	Sustains extreme power responsibly	All — complete fusion, AGI stewardship
7	Che Wenufoye	Complete cosmic consciousness	Unlimited — functional immortality, multi-location

Note: Levels 6-7 represent the aspirational ideal. For institutional implementation, the practical threshold for radical technology access is Level 5 (Norche), verifiable through the dual evaluation system.

3.3 Dual Evaluation: AI + Community

Two components must approve before granting access to transformative technologies. Neither alone is sufficient.

The AI Component analyzes the applicant's documented history over a minimum of 10 years: financial, work, community, and relational decisions; consistency between declared values and actions taken under pressure. It generates scores for Kimche (wisdom), Norche (uprightness), and Newenche (strength). The algorithm is fully open-source and auditable. The evaluated person can see their score and appeal with evidence of growth not captured by the algorithm.

The Lof Component convenes the community in a Trawün (assembly) during a minimum of three sessions over six weeks. Thresholds vary: 60% for basic technologies, 75% for advanced, 85–95% for radical. The Lof captures context AI cannot: historical trauma, extraordinary growth in adverse circumstances, successful covert manipulation of algorithms.

Final decision: both must approve. If AI approves but the Lof rejects — denied. If AI rejects but the Lof approves — also denied. Reapplication is possible in two years with evidence of growth.

3.4 Deep Ritualization

The West has reduced technological transformations to sterile medical procedures. Ancestral Evolution re-sacralizes them. BCI implantation requires a three-day preparation ritual — fasting, reflection on purpose, community ceremony. Deep human-AI fusion requires six months of preparation with an explicit right to reversion. This is not superstition — it is proven social technology ensuring deep transformations are conscious, not casual.

4. APPLICATION — THE 11 CRITICAL CASES

4.0 Evaluation Methodology

Each technology is evaluated by assigning a score of 0 to 4 on each of the four pillars:

Pts.	Description	Tuwün / Kùpalme	Mapu / Lof
4	Clear and direct strengthening	Amplifies movement/memory freely	Positive balance / Full cohesion
3	Preservation with manageable tension	Preserves with additional effort	Positive balance / Cohesion with conditions
2	Ambiguous, depends on use	Preserves in some contexts, not others	Neutral balance / Moderate fracture risk
1	High but mitigable risk	Significant threat with possible safeguards	Negative balance / High fracture risk
0	Direct and irreversible destruction	Eliminates evolutionary capacity or memory	Extreme negative balance / Total fragmentation

Verdict thresholds: 90–100% = Imperative/Divine Mandate · 75–89% = Acceptable/Necessity · 60–74% = Conditional · <60% = Rejected.

4.1–10 Summary and Case 11: Mass AI Surveillance (REJECTED)

#	Technology	Score	%	Verdict	Status
1	Germline Genetic Editing (CRISPR)	13.5/16	84%	MORAL IMPERATIVE	Strict conditions
2	Brain-Computer Interface (BCI)	15.5/16	97%	HUMAN NECESSITY	Level 3+ required
3	Radical Life Extension	16/16	100%	DIVINE MANDATE	Verified purpose
4	Genetic Adaptation for Mars	13.5/16	84%	IMPERATIVE	With Cosmic Constitution
5	Artificial General Intelligence (AGI)	13/16	81%	CONDITIONAL	Decentralized only
6	Virtual Reality / Metaverse	11.5/16	72%	CONDITIONAL	Strict time limits
7	Medical Nanotechnology	11.5/16	72%	CONDITIONAL	Level 5+ only
8	Deep Human-AI Fusion	12.5/16	78%	CONDITIONAL	Level 6–7 only
9	Complete Artificial Reproduction	10/16	62.5%	CONDITIONAL	Medical only
10	Planetary Terraformation	15/16	93.75%	COSMIC IMPERATIVE	Dead worlds only

1 1	Mass AI Surveillance (v2.0 NEW)	6/16	37.5 %	REJECTED	Incompatible with Az Mapu
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Average (cases 1–10): 12.95/16 = 81% | Case 11 rejected: 6/16 = 37.5%

Case 11 Detail: Why Mass AI Surveillance is Rejected

Pillar	Pts.	Analysis
Tuwün	1/4	Total surveillance destroys the conscious evolutionary vector. A permanently monitored person cannot explore, err, or grow without punitive consequences. Freedom of movement requires spaces free of observation.
Küpalme	1/4	Interrupts authentic transgenerational transmission. Families under surveillance self-censor stories of resistance, dissent, and critical memory — precisely what Küpalme must preserve.
Mapu	2/4	Hypothetically positive balance (public safety) but real negative balance: resources invested in surveillance could serve healthcare, education, and community resilience with far greater cosmic return.
Lof	2/4	Destroys internal trust. A surveilled community cannot deliberate honestly in Trawün; consensus is corrupted when words are recorded and evaluated by external algorithms.

VERDICT: REJECTED (6/16 = 37.5%). Mass AI surveillance is incompatible with Az Mapu in any form. There is no acceptable conditional version — total surveillance structurally and irreversibly violates Tuwün, Küpalme, and Lof.

5. IMPLEMENTATION

5.1 Dual Evaluation System

The operational heart of Ancestral Evolution is its evaluation system. Two components must approve before granting access to transformative technologies. Neither alone is sufficient. The AI Component analyzes documented history over a minimum of 10 years using open-source algorithms. The Lof Component convenes community assemblies with approval thresholds ranging from 60% (basic access) to 95% (radical technologies). Final decision: both must approve.

5.2 Multi-Scale Governance

Ancestral Evolution operates simultaneously at multiple scales under the principle of subsidiarity: every decision is made at the lowest level capable of making it competently.

Level	Scale	Primary Function	Own Decisions
Local Lof	300–1,000 people	Individual technology access	Approve people for technologies
Regional Lof	10,000–100,000	Coordination and standards	Regional thresholds, shared resources
Planetary Lof	Millions–billions	Global technology policy	Moratoria, universal distribution
Solar System Lof	Multiple planets	Inter-planetary mediation	Resource conflicts, independencies
Galactic Lof	Multiple stars (future)	First contact ethics	Interstellar expansion, alliances

5.3 Adoption Timeline (with Resistance Scenarios)

Phase / Years	Objective	Optimistic Scenario	If Major Powers Don't Adopt
Phase 1 2026–2028	Pilots	3–5 pilot communities: Wallmapu, NZ, Dakotas, Kenya, India	Indigenous communities and progressive cities advance independently
Phase 2 2029–2032	Regional Expansion	All Wallmapu, Barcelona, Copenhagen, Auckland	Global city movement adopts AE principles as urban policy
Phase 3 2033–2040	National Adoption	NZ, Uruguay, Costa Rica, Iceland, Bhutan lead	Coalition of 20+ small countries creates alternative governance bloc
Phase 4 2041–2050	Planetary Governance	UN integrates AE, WHO adopts dual evaluation	Diplomatic and market pressure forces major powers to negotiate
Phase 5 2051–	Cosmic Constitution	Ratification before second	Cosmic Constitution among

2055		planetary colonization	willing nations — precedent for space expansion
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6. CALL TO ACTION

Decision windows are closing rapidly. By 2030, superhuman artificial intelligence will be commercial reality. By 2035, genetic editing will be routine in private clinics. By 2040, the first permanent Martian colonies will be established. If we establish ethical governance today, we can ensure these technologies elevate humanity without destroying it.

For Governments

- Launch pilot programs with communities willing to voluntarily adopt AE principles.
- Establish national AE councils as advisory bodies for technology policy.
- Integrate dual evaluation into regulation of advanced genetic therapies and neural implants.
- Commit to the Cosmic Constitution before the first permanent settlement on Mars.

For International Organizations

- UN: AE Council as consultative body for transformative technologies; global conference in 2027.
- WHO: Dual evaluation in protocols for advanced genetic therapy trials.
- UNESCO: Document and protect indigenous knowledge of transformation governance.

For the Private Sector

- Voluntarily adopt AE principles before regulation imposes them — social license to operate.
- Open-source and audit all consciousness evaluation algorithm code.
- Establish community evaluation councils with real, not symbolic, indigenous participation.

For Individuals

- Begin conscious development today: meditation, community service, ethics study, deep relationships.
- Document personal growth — the 10+ year history determines future access.
- Build or join a Lof: a network of 300–1,000 people with shared values, territory, or purpose.
- Educate the next generation: consciousness must precede power.

The choice: Ancestral Evolution works. The principles of the Az Mapu have sustained the Mapuche people for 10,000 years through radical transformations. They can sustain humanity through the transhumanist transformation. But only if we act now, before

technologies deploy into an ethical vacuum. We have perhaps ten years. The bifurcation is two decades away. The choice is ours.

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Intellectual Property

Ancestral Evolution is an original philosophical framework developed by R.A. HenLep and Vilu International LLC. Reinterpretations of Mapuche concepts (Tuwün, Küpalme, Mapu, Lof, Az Mapu) in this context constitute original philosophical synthesis and do not claim to represent official Mapuche cosmology or speak on behalf of specific Mapuche communities.

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