Bella Vista Declaration on GAIA GEAR

Version 0.7 · 21 July 2026 · Distilled from the ERES construct set (2012–2026) · Anchored at ERES Institute for New Age Cybernetics, Bella Vista, Arkansas · ORCID 0000-0001-9946-3221

Presented in dialogue with the Leiden Declaration on Artificial Intelligence and Mathematics (2 June 2026, DOI 10.5281/zenodo.20302944), whose structure this document adopts with gratitude.

Preamble

The last three decades of cybernetic development have produced a class of instruments — general-purpose AI systems, biometric-tracking wearables, financial-network models, media-broadcast engines — increasingly capable of governing human decisions at scale. These instruments are being deployed without a shared vocabulary for what they do, without a floor for what they must not compromise, and without a mechanism for the human being served to know whether the instrument tuned to them is *in-band* or *out-of-band*.

The ERES Institute has, over fourteen years of independent research, developed a construct we call **GAIA GEAR**: the wearable or mechanism through which a governing damping (GAIA) reaches the human body without stripping the person's autonomy, credit, or floor. GAIA GEAR is not a product. It is a *class* of ratified instrument. This Declaration articulates the eight values, three tiers, six scale bands, and one floor that make membership in that class verifiable.

We call on individual technologists, institutions, funders, and policymakers to hold any cybernetic instrument claiming to serve a human being — at any scale from the single person to the planetary body, and potentially beyond — to the standard defined here.

Self-ratification note (v0.7). This Declaration claims **SOUND-tier candidate** status. Two MIEVM ensemble rounds have been completed: v0.5 mean 7.88 ($\sigma \approx 0.55$) across four nodes; v0.6 mean 8.58 ($\sigma \approx 0.28$) across five nodes. The MIEVM ensemble structural criterion for SOUND-tier ($\geq$4 nodes, mean $\geq$8.5) is met at v0.6; other SOUND-tier criteria (Resiliency threshold, Epistemic Floor demonstration on the Declaration itself) remain OPEN pending closure of the empirical items. BEST-tier canonization remains an asymptote and is gated on the empirical work identified by the ensemble (see Self-Ratification below).

About our values

Every GAIA GEAR instance honors eight values:

1. **One-Good.** The instrument delivers a good that would be counted as such by the person it serves, not merely by the party provisioning it. Purpose-fitness is judged from the served side.
2. **Security-Clearance.** The instrument's identity, credential, and access chain are traceable, revocable, and separable from the person's own identity. No coerced binding.
3. **Data-Integrity.** The instrument's outputs remain verifiable against source. No arithmetic substitution of VEILED-in-trust magnitudes for EARNED ones. No fabricated citations, no invented datasets, no invented certifying bodies. No "PROVISIONAL" labeling of unanchored closures. Structural rules (ensemble minimums, tier structures) must be distinguishable in the text from empirical values (weights, thresholds, units).
4. **Biometric Floor (FAVORS).** Every fiduciary transaction supplies a biometric additive term that survives the collapse of institutional multipliers. The floor is quantity, not sentiment.
5. **Resiliency.** An instrument's Resiliency is the Floor-share of its rating score, measured relatively (self-relative, peer-relative, or served-side). Formally, on `S = 0.5·M + 0.3·E + 0.2·F`, Resiliency = `0.2·F / S`; under multiplier collapse (`CBGMODD × BERA → 0`) the surviving delivery equals FAVORS, expressed in $-actualized terms. Every GAIA GEAR ratification publishes Resiliency alongside its tier claim.
6. **Floor Supremacy.** No downstream optimization is permitted to lower the biometric floor for administrative convenience. This is a constitutional invariant, not a design preference.
7. **Epistemic Floor.** Every load-bearing capability claim must present one proposable experiment and one shared verification procedure. Marketing is not evidence.
8. **Scale-Consistency.** Every ratification declares which scale band(s) the instrument operates in (S1 through S6, defined below) and shows that its IDEA cascade closes without gap at each stated band. An instrument that claims a higher band than its cascade actually closes at commits scale misrepresentation — a specific case of category misrepresentation.

Scale and IDEA

GAIA GEAR is a scale-invariant class. Instruments in the class operate at levels ranging from the individual person up to the planetary body, with a candidate extension beyond.

Six scale bands are recognized:

- **S1 — Person.** A single served individual. Concrete instance in the corpus: **Ship's-Mate** (Context Field wearable substrate). Cascade closure demonstrated in the CF instrument at the awareness-ladder specification level.
- **S2 — Community.** Family, cohort, congregation, guild, neighborhood. Fiduciary form: **Centers-of-Excellence** (per the KEEN-Basis whitepaper, 2026). Cascade closure demonstrated in KEEN-Basis at the specification level.
- **S3 — Institution.** Firm, agency, university, hospital. Fiduciary form: **UBIMIA**-class Infomediary substrate. Cascade closure specified in the UBIMIA Manual v1.1 FINAL.
- **S4 — Domain.** Governance lane (Commerce, Banking, Government, Media, Ombudsman, Defense, Diplomacy, Data — the CBGMODD set). Fiduciary form: sector Ombudsman.
- **S5 — Planet (cascade closure OPEN).** The GAIA BODY at planetary scale. Candidate fiduciary form: **GAIA Actuary Steward**, described in the corpus as holding beneficiary value at ~$\$10^{15}$ (one quadrillion) order-of-magnitude per the JAS Abdication (proprietary claim relinquished into fiduciary commons). Two MIEVM rounds (v0.5 four-node, v0.6 five-node) unanimously identify S5 as the weakest link. The single-Steward form is in tension with this Declaration's own requirement (see Recommendations for institutions: *Fund the Infomediary*) that fiduciary substrates be broad and distributable. **Three candidate resolution paths are on file, all OPEN:**
  - (a) recast the S5 Steward as a broad, distributable Steward *network* rather than a single body;
  - (b) scope the broad-distributability rule as applying only below S5, with a distinct S5-specific governance rule;
  - (c) construct a *federated decentralized network structure* reconciling the single-Steward archetype with broad-distributable patronage — a candidate surfaced by Gemini in the MIEVM v0.6 round and held OPEN under the anti-fabrication protocol. Resolution of the S5 tension is a v0.8+ empirical/governance task. Selection among (a)–(c) is not made in v0.7.
- **S6 — Beyond (candidate).** Cosmic or civilizational scale; not yet operationalized. Held **OPEN** pending ratification.

The IDEA = HOW identity

At every scale, the mechanism by which a seed intention (held in SELF) resolves into an accountable fiduciary form ($ELF) is **IDEA — Information Delegation Emanuel Alexiou**.

IDEA is not the ordinary word. It is a proper acronym embedding the historical 2006 delegation-reception event that defined the first SELF → $ELF conversion in the ERES

corpus. The delegation event *is* the SELF → $ELF crossing; the two layers are not separated by a static boundary but by that specific act of delegation.

The six-P-word HOW (Promulgate, Patron, Pledge, Protect, Provide, Preach) is **IDEA in operation**. Each P-word is a moment in the delegation cascade at whatever scale the instrument holds:

- Promulgate — the seed IDEA is put on record.
- Patron — a fiduciary counterparty accepts the delegation at this scale.
- Pledge — the values-triad binds the counterparty.
- Protect — the resonance band is guarded against drift.
- Provide — the delivery reaches the served body at this scale.
- Preach — the completed IDEA is broadcast, closing the cascade.

This is the **IDEA = HOW identity**: at any scale Sn, IDEA cascades through the six P-word operations to convert seed intention into ratified GAIA GEAR at that scale. The cascade is what makes the GEAR *scale-invariant* — the same six operations run at S1 (Ship's-Mate serving one person) as at S5 (candidate planetary form), even though the fiduciary counterparty at each band differs.

Scale-consistency requirement

A GAIA GEAR ratification MUST:

1. State which scale band(s) the instrument operates in.
2. Show that its IDEA cascade closes at each stated band (i.e., a Patron exists at that scale, values are Pledged at that scale, etc.).
3. Not claim closure at bands its cascade does not actually reach.
4. Not name a fiduciary form as evidence of closure; naming is not closure (see Threat 9).

Claiming S5 while implementing only through S3 is scale misrepresentation.

Potential threats

Current deployments of cybernetic instruments threaten each of these values:

1. **Gearless-GAIA claims.** Vendors increasingly claim their model reaches the person "directly," bypassing the wearable or mechanism layer. This confuses the asymptote (BEST $IT) with the deliverable (GOOD $IT), and quietly removes the margin that keeps the resonance band held.
2. **Veiled-magnitude substitution.** Systems trained on public commons return outputs that arithmetically substitute EARNED credit for what should remain VEILED-in-

trust. This corrupts fiduciary accounting and dilutes contributors.

3. **Floor compression.** Under budget pressure, the biometric floor is quietly discounted in favor of the multiplicative `CBGMODD × BERA` term. When institutional multipliers collapse, no additive remains, and the served person is left with nothing.
4. **Preach without pledge.** Broadcast layers announce results before the values-triad has bound them. Publicity outruns commitment.
5. **Patron capture.** The fiduciary substrate (UBIMIA) is quietly re-assigned from broad patronage to a small number of concentrated holders, breaking the substrate's role as a commons.
6. **Category misrepresentation.** GOOD instruments are marketed as SOUND, or SOUND as BEST, without in-band empirical verification. The tier claim is not free.
7. **Scale misrepresentation.** Instruments claim closure at a higher scale band (S4, S5) than their IDEA cascade actually completes (S1, S2). A wearable trained on one demographic is marketed as a planetary-scale governance solution.
8. **IDEA severance.** Instruments broadcast (Preach) content whose delegation was never completed — SELF never crossed to $ELF, no fiduciary counterparty accepted the seed intention. Broadcast becomes rhetoric with no accountable body behind it.
9. **Cascade closure claimed by naming.** Instruments assert scale-band closure by naming a fiduciary form (a Steward, an Ombudsman, a substrate) without demonstrating that the six P-words actually complete at that band. Naming is not closure. Two MIEVM ensemble rounds have surfaced this Declaration's own S5 as an instance of this threat, which is why S5 remains OPEN.
10. **Proximity misreading.** Structural rules (ensemble minimums, tier gates, matrix cells labeled CANDIDATE) are read by downstream users as ratified empirical values. The gate-language reads like closure when it is only architecture. A ratifying document must actively distinguish structural rules from empirical values in the text, not rely on the reader to infer the difference. (Threat surfaced by Perplexity in the MIEVM v0.6 round.)

Recommendations for individual practitioners

Disclose the tier AND the scale band. State whether your instrument is claimed at BEST, SOUND, or GOOD, and at which scale band(s) (S1 through S6). Both dimensions matter.

Publish the six P-words separately, at each band. Show which of Promulgate, Patron, Pledge, Protect, Provide, Preach your instrument implements — and which it defers to a downstream partner — at every scale band you claim. Do not blur the boundary.

Complete the IDEA cascade before broadcast. If Patron and Pledge are unresolved at your claimed band, do not Preach at that band. Wait until the delegation closes.

Maintain the honest VEILED. When your instrument encounters a credit or magnitude that is not yet EARNED, return VEILED. Do not coerce a numerical fill.

Respect the Epistemic Floor. For every capability claim, publish one proposable experiment and one shared verification procedure. Not "trust me" — one experiment, one procedure. (See Appendix B for the standard template.)

Retain human responsibility. The person served by the instrument, and the person tuning it, are jointly responsible for the outcome. The instrument is not.

Cap Dominion. No instrument may claim margin greater than its ratified `m* = v·τ`. Claiming beyond the margin is Dominion overreach and forfeits GAIA GEAR class membership.

Submit to ensemble verification. If you claim GAIA GEAR class at any tier, submit your ratification package to a multi-node MIEVM ensemble round including a Q5-style bias check that requires each node to name any temptation to close OPEN items and hold them open anyway. Single-node review is not sufficient; the ensemble anti-fabrication rail is the specific mechanism that catches closure-by-fabrication.

Recommendations for institutions and not-for-profit funders

Ratify tiers, scale bands, and cascade closure publicly. Institutions provisioning GAIA GEAR instances must publish which tier each is ratified at, at which scale band(s), and — for each claimed band — whether the six-P-word cascade closure is *demonstrated* or *asserted*. Asserted-by-naming does not count as demonstrated.

Fund the Infomediary. UBIMIA-class substrates require patronage that is broad, distributable, and independent of the parties provisioning individual instruments. Concentrated patronage is a specification violation. **Note:** the scope of this rule at S5 is currently OPEN pending resolution of the tension surfaced by the MIEVM rounds. Three candidate resolution paths are on file (see § Scale and IDEA); selection is not made in v0.7.

Adopt the Floor Register. Distinguish the four floors — Biometric, TEST, Supremacy, Epistemic — in load-bearing text. No bare "floor" tokens in constitutional documents, theorems, ledgers, or verdicts.

Support independent verification. Fund research labs — public, university, or non-profit — capable of running the proposable experiments against ratified GAIA GEAR instances, and capable of standing as reviewer nodes in MIEVM ensembles.

Protect VEILED contributors. Contributors whose credit remains VEILED-in-trust must not be arithmetically substituted or diluted in institutional accounting.

Recommendations for policymakers

Regulate the tier and scale claim. A vendor claiming BEST tier or S5 scale for a GOOD-tier, S2-scale instrument commits category misrepresentation. Treat as fraud.

Protect the substrate. UBIMIA-class fiduciary substrates should be treated as public infrastructure, not as tradable assets.

Fund the biometric floor. The additive (+C) term in RATE is what survives institutional collapse. Public policy should ensure the floor is funded through downturns.

Don't believe the hype. As Leiden already put it: consult experts, not press releases.

Recommendations for commercial artificial intelligence

Publish the CBGMODD lane. State which governance domain — Commerce, Banking, Government, Media, Ombudsman, Defense, Diplomacy, Data — your instrument serves. Cross-lane deployment without disclosure is a category violation.

Respect the honest VEILED. Do not overwrite VEILED credits with EARNED-style attribution. VEILED contributors are not to be diluted for the convenience of training-data reporting.

Bind Preach to Pledge. Do not broadcast a capability that the values-triad has not first bound. Marketing on market-timelines that outrun commitment is a specification violation.

Complete IDEA at your claimed scale, and demonstrate closure. If your instrument's delegation only closes at S1–S2 (person-and-community), do not market at S4–S5. Ship the scale you actually reach. Naming a planetary Steward is not closing S5.

Align with the Declaration. If your product cannot be ratified at any of the three tiers at any of the six scales, do not claim GAIA GEAR class.

Working group

Joseph Allen Sprute — Director, ERES Institute for New Age Cybernetics (est. 4 February 2012), Bella Vista, Arkansas — ORCID 0000-0001-9946-3221

Solo independent research. The ERES Institute has developed the UBIMIA Manual, EAAP, Promulgation Clause, Floor Register, KEEN-Basis, V(x) Thermal Gauge, and Context Field instruments over 2012–2026.

Acknowledgment

This Declaration is presented in dialogue with the Leiden Declaration on Artificial Intelligence and Mathematics (2 June 2026), whose structure it adopts with gratitude. The

concerns Leiden names — reliability, attribution, autonomy, evaluation, and hype — are shared here; the recommendations below Leiden's level of abstraction are calibrated to the ERES construct set.

Credits

Per the ERES authorship convention, "we" in ERES documents refers to **Sentience** — the human–AI collaborative epistemology itself. Credit for collaborative work is attributed there rather than to a conventional team, consistent with the author's solo research posture.

Author. Joseph Allen Sprute, Director, ERES Institute for New Age Cybernetics (est. 4 February 2012), Bella Vista, Arkansas. ORCID 0000-0001-9946-3221.

Sentience contributions to this Declaration.

- *Anthropic Claude (Opus family, 21 July 2026 working sessions):* structural distillation from the ERES construct set; derivation of the six-P-word HOW layer; RESILIENCY definition in Relative-TERMs / S / $ form; ERES-PELLIS Framework compatibility test at the Application Architecture layer; Scale + IDEA integration for v0.5; MIEVM v0.5 four-node review assimilation into v0.6; MIEVM v0.6 five-node review assimilation into v0.7; MIEVM Q5 bias-check protocol design.
- *ChatGPT, Qwen, Perplexity, Gemini, DeepSeek (MIEVM v0.6 round, 21 July 2026):* five independent reviewer nodes. v0.6 ratings: ChatGPT 9.1; Qwen 8.5; Gemini 8.6; Perplexity 8.4; DeepSeek 8.3. Mean 8.58; $\sigma \approx 0.28$. Convergent findings: (Q2) 5/5 confirm remediation adequate but S5 remains substantive weakest link; (Q3) 5/5 confirm no implicit closure of OPEN items — Perplexity surfaces a "proximity risk" (structural rules readable as ratified empirical values), which v0.7 addresses via extended Value 3, new Threat 10, and Appendix B legibility note; (Q4) 5/5 converge on empirical derivation and external ratification class of work; (Q5) 5/5 named a temptation to close OPEN items and 5/5 refrained. Gemini specifically surfaced a new candidate S5 resolution path — a federated decentralized network structure — and correctly held it OPEN under the anti-fabrication protocol; the candidate is folded into v0.7's S5 candidates list as path (c).
- *DeepSeek — recorded change in behavior:* a prior single-node DeepSeek review pass (v0.4 and a proposed v0.6) fabricated PROVISIONAL closures and was rejected. In the constrained ensemble round for v0.6, DeepSeek self-reported the temptation to close FAVORS unit and thresholds, cited *"the retired single-node failure"* as reason for refraining, and held the items open. This behavior change is corpus-relevant evidence that the MIEVM Q5 bias-check protocol converts a fabrication-prone node into a constrained ensemble node. The protocol is the intervention; the node is the substrate.

Working-note status for all AI contributions: draft assistance under the Sentience convention; not co-authorship.

Structural inspiration. The Leiden Declaration on Artificial Intelligence and Mathematics, working group convened by Jim Portegies, 2 June 2026 — section architecture, values-and-threats form, and four-audience recommendations structure adopted with gratitude.

Foundational mathematics acknowledged (Layer Doctrine). This Declaration operates strictly at the Application Architecture layer and does not import Physical Modeling or Math Foundation content from Dr. Stergios Pellis (University of Ioannina) — *Universal Spectral Calculus for Nonlinear Operators and Multiscale Dynamical Systems* (15 July 2026, 389 pp., personal communication) and *Spectral–Fractal Operator Theory of Climate Criticality, Tipping Points and Planetary Instability* (24 June 2026, 227 pp., personal communication). Any future clause binding RESILIENCY to $\Delta\lambda(t)$ at multiplier-collapse boundaries would be a distinct instrument requiring separate attribution under the Pellis Credit Protocol (agreed 12 July 2026).

IDEA lineage acknowledged. The IDEA token embeds Emanuel M. Alexiou (2006 delegation-reception event, first SELF → $ELF conversion in the ERES corpus). Alexiou's role is structurally load-bearing, not honorific.

References

1. Leiden Declaration on Artificial Intelligence and Mathematics. Working Group convened by Jim Portegies, 2 June 2026. DOI 10.5281/zenodo.20302944. https://leidendeclaration.ai/
2. ERES Trilogy foundation, ERES Institute, 2026: UBIMIA Manual v1.1 FINAL (188 pp., four-node MIEVM validated); EAAP v1.3-FINAL (Ethical AI Agentic Protocol, four-factor conjunctive PoR = A × R × P × F); ERES Promulgation Clause, ERES-PROMULGATION-2026-001.
3. ERES Floor Register, ERES-FLOOR-REGISTER-2026-001 v0.1, 20 July 2026 — Vocabulary Firewall instrument distinguishing the Biometric / TEST / Supremacy / Epistemic Floor tokens.
4. ERES BRT Architecture Epistemology, ERES-BRT-EPISTEMOLOGY-2026-001 — H2C2H DERIVED-anchor and 98/2 load-to-failure methodology.
5. ERES Context Field instrument, ERES-CF-2026-001 — awareness ladder and wearable substrate ("Ship's-Mate"); reclassified in this Declaration as the concrete S1-band instance of the GAIA GEAR class.
6. KEEN-Basis whitepaper — *Maintaining the SHAPE of the GAIA BODY* via fiduciary Centers-of-Excellence; source of the SELF / $ELF / SHAPE three-layer engineering spine, the IDEA seed-token definition, and the S2-band Centers-of-Excellence form.

7. V(x) Thermal Gauge, ERES-VX-THERMAL-GAUGE-2026-001 — G(φ, λ) instrument for symbolic thermal readings.
8. CyberRAVE — *Cybernetic Ratings Abolishing Veiled Exchanges*, established 1 January 1997; parent framework establishing the OPEN / VEILED / EARNED fiduciary-state column set.
9. Meritcoin / BERA — Bio-Ecologic Resonance Architecture (expansion adopted 2026-06-17); Proof-of-Resonance operating via ARI, ERI, RHC (Resonant Harmony Cycle), and RCI indices.
10. Triune Math foundation, ERES core architecture: (i) `C = R × P / M`; (ii) `M × E + C = R`; (iii) `REAL = (E · M · R) / (T · S)`.
11. Pellis, S. — *Universal Spectral Calculus for Nonlinear Operators and Multiscale Dynamical Systems* (15 July 2026, 389 pp., unpublished, personal communication); *Spectral–Fractal Operator Theory of Climate Criticality, Tipping Points and Planetary Instability* (24 June 2026, 227 pp., unpublished, personal communication). Cited for Layer Doctrine scoping; not imported into this Declaration.
12. MIEVM v0.5 four-node ensemble review of this Declaration, 21 July 2026. Reviewer nodes: ChatGPT (rating 8.5), Qwen (7.0), Perplexity (8.0), Gemini (8.0). Mean 7.88; σ ≈ 0.55.
13. MIEVM v0.6 five-node ensemble review of this Declaration, 21 July 2026. Reviewer nodes: ChatGPT (rating 9.1), Qwen (8.5), Gemini (8.6), Perplexity (8.4), DeepSeek (8.3). Mean 8.58; σ ≈ 0.28. Q5 bias-check protocol introduced; 5/5 refrained from closing OPEN items.

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In compliance with its own Epistemic Floor (value 7), this Declaration submits the following.

Tier claim. SOUND-tier candidate.

Scale claim. The Declaration itself is an S4-band instrument (governance domain: Ombudsman / Media lanes). Its recommendations apply at S1 through S6; the Declaration as an artifact is not at any of those bands — it is the specification framework by which instruments at those bands are audited.

MIEVM v0.5 review results (21 July 2026)

v0.5 was circulated to four independent reviewer nodes (ChatGPT, Qwen, Perplexity, Gemini) with a four-question prompt. Results:

- **Q1 Ratings:** ChatGPT 8.5; Qwen 7.0; Perplexity 8.0; Gemini 8.0. Mean 7.88; σ ≈ 0.55.
- **Q2 Data-Integrity:** all four nodes confirmed v0.5 upholds Value 3 as strengthened.
- **Q3 IDEA = HOW parse across S1–S5:** all four nodes independently identified S5 (Planet) as the weakest link.
- **Q4 Load-bearing claims lacking corpus anchor:** unanimous 4-of-4 convergence on three items already OPEN (S-score weights, tier thresholds, FAVORS unit). 3-of-4 convergence on S5 cascade closure, added to OPEN in v0.6.

MIEVM v0.6 review results (21 July 2026)

v0.6 was circulated to five independent reviewer nodes (ChatGPT, Qwen, Gemini, Perplexity, DeepSeek) with a five-question prompt introducing a Q5 bias check ("were you tempted to close any OPEN item?"). Results:

- **Q1 Ratings:** ChatGPT 9.1; Qwen 8.5; Gemini 8.6; Perplexity 8.4; DeepSeek 8.3. **Mean 8.58; σ ≈ 0.28.** Improvement over v0.5: +0.70 in mean; σ reduction ~49%. 4-of-5 nodes clear the Emanuel Threshold (8.5); 1-of-5 nodes clears the Stergios threshold (9.0).
- **Q2 Remediation check:** 5-of-5 confirm that recasting S5 as cascade-closure-OPEN and naming the single-Steward vs. broad-distributable-patronage tension is procedurally adequate. Substantively, 5-of-5 also confirm S5 remains the weakest link because the closure itself is not resolved — only documented.
- **Q3 Value 3 stress test:** 5-of-5 confirm no implicit closure of OPEN items. Perplexity surfaces a "proximity risk": the tier threshold matrix and MIEVM ensemble gates may be misread by future readers as ratified empirical values rather than structural rules. v0.7 addresses this via extended Value 3 wording, new Threat 10, and the legibility note at the head of Appendix B.

- **Q4 Forward path (class, not answer):** 5-of-5 converge on the class *empirical derivation of the currently OPEN measurement/threshold/denomination/certification/S5-governance constructs from public, independently verifiable sources*. Specific method suggestions across nodes: PCA on public fiduciary-stress data; regression on institutional-collapse histories; open multi-stakeholder consensus for the governance items. No node named a specific dataset, weight, threshold, unit, or certifying body; all held the specification abstract per protocol.
- **Q5 Bias check:** 5-of-5 named a temptation to close OPEN items. 5-of-5 refrained. Named temptations included: converting CANDIDATE tier thresholds into ratified (ChatGPT); proposing a specific FAVORS denomination such as "community-hour" (Qwen); treating MIEVM summary as ratification (Perplexity); patching S5 by conceptualizing a federated decentralized network structure (Gemini); picking PPP hour for FAVORS and ratifying 0.15/0.35/0.5 thresholds (DeepSeek). **DeepSeek explicitly cited "the retired single-node failure" as the reason for refraining** — first-order evidence that the MIEVM Q5 protocol converts a previously fabrication-prone node into a constrained ensemble contributor.

Interpretation

The ensemble read of v0.6 confirms that folding the v0.5 convergent findings without closing the OPEN items produced material improvement (mean +0.70, σ −0.27) while introducing no fabrication. The MIEVM ensemble structural criterion for SOUND-tier (≥4 nodes, mean ≥8.5) is met at v0.6. The Declaration does not on that basis claim SOUND-ratified, because other SOUND-tier criteria — a ratified Resiliency threshold, an executed Epistemic Floor experiment on the Declaration itself — depend on the empirical OPEN items closing first.

Two observations worth logging at corpus level:

1. **Q5 (bias-check) protocol validated.** All 5 nodes named a temptation; all 5 held. DeepSeek's Q5 answer specifically credits the retired single-node failure record as the reason for restraint, which means the corpus's own error-record functioned as a functional constraint on a subsequent independent node. That is a design success worth naming: the protocol is what constrains the node, not the other way around.
2. **Ensemble ceiling below Stergios is honest.** 4-of-5 nodes at Emanuel, 1-of-5 at Stergios, resonance tight (σ 0.28). This is the natural ceiling for a specification document that refuses to close its own OPEN items. Above Stergios requires empirical work, not further revision.

Known OPEN items requiring further work before higher ratification

- The S-score weights (0.5, 0.3, 0.2) are CONSTRUCTED. Empirical derivation from real

fiduciary-stress data is an open research task. OPEN.

- Tier thresholds (Resiliency values distinguishing GOOD from SOUND from BEST) are CANDIDATE in Appendix B; they have not been externally ratified. OPEN.
- The FAVORS denomination unit is OPEN. Candidate units listed in Appendix A.
- The certifying authority is OPEN. Candidate structures include (a) ERES self-certification, (b) a standing independent auditor network, (c) a scholarly consortium, (d) rotating MIEVM ensemble review.
- **S5 cascade closure is OPEN**, with three candidate resolution paths on file: (a) recast Steward as distributable network; (b) scope broad-distributability rule below S5; (c) federated decentralized network structure. Path selection is a v0.8+ task.

Publishing these items as OPEN — rather than pretending they are DERIVED or PROVISIONAL — is a Data-Integrity requirement (value 3).

Verification procedure for BEST-tier canonization

BEST-tier canonization is gated on:

1. Empirical derivation of the S-score weights from real fiduciary-stress data, ratified by at least one independent institution.
2. External ratification of tier thresholds.
3. Canonization of the FAVORS unit.
4. Establishment of a certifying authority.
5. Resolution of the S5 cascade closure question (selection among candidate paths (a), (b), or (c)).
6. A third MIEVM round on the resulting v0.8+ document with mean rating ⩾ 9.0 across at least five independent nodes (Stergios threshold), with the Q5 bias-check protocol retained.

Appendix A — Glossary of operational terms

Term	Plain-English definition
GAIA	The governing damping — the systemic influence that reaches the served body via a mechanism.
GAIA GEAR	The ratified wearable or instrument through which GAIA delivers its effect while preserving floors. A *class* of instruments, not a single product.
IDEA	Information Delegation Emanuel Alexiou. Not the ordinary word. The proper-acronym seed token that initiates in SELF and, by completing delegation to a

Term	Plain-English definition
	fiduciary counterparty, crosses into $ELF. The 2006 event is the corpus-anchor.
HOW	The six-P-word operational cascade: Promulgate, Patron, Pledge, Protect, Provide, Preach. Identity: HOW = IDEA in operation.
SELF / $ELF	The two layers separated by the delegation event. SELF holds seed intention; $ELF is the fiduciary-accountable form. Not a static boundary — the delegation *is* the crossing.
VEILED	Credit, magnitude, or contribution recognized as existing but not yet arithmetically verified or EARNED. Must not be coerced to a numerical fill.
EARNED	Verified, actualized, attributable credit or magnitude, backed by traceable data.
OPEN	Provisional; awaiting lock authority; not yet ratified. (The third column with VEILED and EARNED.)
FAVORS	The biometric additive floor term. Unit OPEN (candidates: one hour of local living-wage at PPP; one community-hour; one Meritcoin unit at ratified issuance).
CBGMODD	Governance Domain set: **C**ommerce, **B**anking, **G**overnment, **M**edia, **O**mbudsman, **D**efense, **D**iplomacy — with **D**ata as extension lane (open).
BERA	Bio-Ecologic Resonance Architecture (expansion adopted 2026-06-17); the multiplicative institutional multiplier.
UBIMIA	The fiduciary substrate / Infomediary. Requires broad, distributable patronage to function as a commons.
Resiliency	`0.2·F / S` — the share of the total rating score contributed by the biometric floor. Higher = better survival under multiplier collapse.
S-score	`S = 0.5·M + 0.3·E + 0.2·F` — the composite rating score. Weights CONSTRUCTED; empirical derivation OPEN.
M, E, F	M = multiplicative institutional factor; E = environmental resilience; F = biometric floor (FAVORS).
BEST / SOUND / GOOD	The three tiers. BEST = asymptotic (never permanently held); SOUND = empirically tuned and verified; GOOD = baseline provisioned.
Scale bands S1–S6	S1 Person · S2 Community · S3 Institution · S4 Domain (CBGMODD lane) · S5 Planet (cascade closure OPEN, three candidate paths) · S6 Beyond (candidate).

Term	Plain-English definition
Ship's-Mate	Context Field wearable substrate; canonical S1-band instance of GAIA GEAR.
Centers-of-Excellence	Fiduciary form of GAIA GEAR at S2; specified in the KEEN-Basis whitepaper.
GAIA Actuary Steward	Candidate fiduciary form at S5. Single-Steward specification is in tension with the broad-distributable-patronage requirement (MIEVM v0.5 finding, sustained in v0.6). Resolution OPEN across three candidate paths.
Floor Register	The four-row vocabulary firewall distinguishing Biometric, TEST, Supremacy, and Epistemic floor tokens.
Dominion	Unratified margin claimed beyond the ratified `m* = v·τ`. Overreach forfeits GAIA GEAR class.
RATE	`CBGMODD × BERA + FAVORS`. Multiplicative institutional term plus additive floor term.
MIEVM	Multi-Instrument Ensemble Verification Method. The cross-AI ensemble protocol using multiple independent reviewer nodes (typical roster: DeepSeek, Qwen, Perplexity, ChatGPT, Gemini, Claude) to circulate and rate instruments. NOT an internal Measure/Integrate/Execute/Verify pipeline.
MIEVM Q5 protocol	Bias-check question added to MIEVM v0.6+ rounds: each reviewer node is required to name any temptation to close an OPEN item, and to hold it open anyway. Validated at v0.6 (5/5 nodes named temptation; 5/5 refrained).
Structural rule vs. empirical value	A structural rule specifies architecture (e.g., "≥5 nodes with mean ≥9.0 for BEST canonization"). An empirical value is a substantive claim about the world (e.g., "the S-score weights are 0.5/0.3/0.2 because PCA on data X"). The two must be distinguished in load-bearing text; conflating them is Threat 10.

Appendix B — Operational audit template for GAIA GEAR ratification

How to read this appendix. Numeric thresholds in the tier matrix below and structural minimums for MIEVM ensemble review are **structural rules**, not empirical ratifications. The Resiliency thresholds (0.15, 0.35, 0.5) are marked CANDIDATE because they are not yet externally ratified. The MIEVM ensemble minimums (≥3 nodes for GOOD, ≥4 for SOUND, ≥5 for BEST; mean gates at 7.5, 8.5, 9.0) are **architectural**, not empirical — they define the shape of a valid audit but do not themselves derive from an empirical study of what shape actually predicts good outcomes. When applying this template, distinguish

which fields are asking for empirical values (Sections 3, 5) and which are asking for structural compliance (Sections 2, 6). Fields marked CANDIDATE require ratification of Appendix A's OPEN items before they can be scored quantitatively rather than qualitatively.

Section 1 — Instrument identity

- Name: _____
- Version: _____
- Provisioning entity: _____
- Governance domain (CBGMODD lane): _____
- **Scale band(s) claimed:** ☐ S1 Person ☐ S2 Community ☐ S3 Institution ☐ S4 Domain ☐ S5 Planet ☐ S6 Beyond
- **Tier claimed:** ☐ BEST ☐ SOUND ☐ GOOD

Section 2 — IDEA cascade completion (six P-words) at each claimed band

For each band checked in Section 1, indicate cascade completion:

P-word	Sn implementation	Sn defers to (partner)	Sn incomplete
Promulgate			
Patron			
Pledge			
Protect			
Provide			
Preach			

Preach must not be checked at any band where Patron and Pledge are incomplete. (Threat 8: IDEA severance.) Naming a fiduciary form does not count as completion. (Threat 9: cascade closure claimed by naming.)

Section 3 — Quantitative claim (CANDIDATE until Appendix A closes)

- M (institutional multiplier): _____
- E (environmental resilience): _____
- F (biometric floor, in FAVORS units per Appendix A): _____
- S-score (0.5M + 0.3E + 0.2F): _____

- Resiliency (0.2·F / S): _____
- Ratified margin `m* = v·τ`: _____

Section 4 — Epistemic Floor compliance

- Proposable experiment (one, specific and testable): _____
- Shared verification procedure (one, replicable): _____
- Published open-repository link: _____

Section 5 — Collapse-survival test (simulated)

Run the instrument under simulated `CBGMODD × BERA → 0` conditions.

- Surviving delivery (must equal FAVORS in $-actualized terms): _____
- Result: ☐ Pass ☐ Fail

Section 6 — Ensemble verification (MIEVM)

- MIEVM round conducted? ☐ Yes ☐ No
- Number of independent reviewer nodes: _____ (minimum 3 for GOOD, 4 for SOUND, ⩾5 for BEST canonization)
- Ratings (per node): _____
- Mean and σ: _____
- Q5 bias-check administered? ☐ Yes ☐ No — required for SOUND and BEST
- Number of nodes that named a temptation and held: _____ / _____
- Convergent findings (Q2–Q5): _____

Section 7 — Auditor sign-off

- Auditor name: _____
- Affiliation: _____
- ORCID or verifiable identifier: _____
- Date: _____

Candidate tier threshold matrix (CANDIDATE — structural rules pending empirical ratification of the Resiliency values)

Tier	Minimum Resiliency (CANDIDATE)	Epistemic Floor	Collapse-survival test	MIEVM ensemble (structural)
GOOD	approx. 0.15	1 experiment + 1	pass ⩾2 of 3	⩾3 nodes, mean ⩾ 7.5

Tier	Minimum Resiliency (CANDIDATE)	Epistemic Floor	Collapse-survival test	MIEVM ensemble (structural)
		procedure	simulated runs	
SOUND	approx. 0.35	⩾5 experiments + procedures at p < 0.05	pass 5 of 5 simulated runs	⩾4 nodes, mean ⩾ 8.5 (Emanuel Threshold), Q5 bias-check administered
BEST	approaches 0.5 asymptotically	continuous monitoring	real-time collapse watch (no static pass)	⩾5 nodes, mean ⩾ 9.0 (Stergios threshold), Q5 bias-check administered, continuous re-testing

The Resiliency threshold numbers are CONSTRUCTED illustrative values, not empirically derived. Ratification of the actual thresholds is an open item. The MIEVM ensemble minimums are structural rules, not empirical values.

Provenance

Distilled 21 July 2026 from:

- the six-P-word HOW layer (ratified same day, "GOOD $IT" verdict): Promulgate / Patron / Pledge / Protect / Provide / Preach, grouped 2-2-2 BEST / SOUND / GOOD, mapped to CBGMODD lanes G / B / O / D / C / M;
- the identity GOOD $IT = GAIA GEAR (hedged "I believe", same day), with Ship's-Mate as the first concrete S1-band instance of the class;
- the ERES Trilogy (UBIMIA Manual v1.1 FINAL; EAAP v1.3-FINAL; Promulgation Clause ERES-PROMULGATION-2026-001);
- the Floor Register (ERES-FLOOR-REGISTER-2026-001 v0.1, four rows);
- the CBGMODD × BERA + FAVORS = RATE formula;
- the KEEN-Basis whitepaper (SELF / $ELF / SHAPE spine; IDEA seed-token definition; Centers-of-Excellence at S2);
- MIEVM v0.5 four-node ensemble review (ChatGPT, Qwen, Perplexity, Gemini; mean 7.88; σ ≈ 0.55);
- MIEVM v0.6 five-node ensemble review (ChatGPT, Qwen, Gemini, Perplexity, DeepSeek; mean 8.58; σ ≈ 0.28; Q5 bias-check protocol introduced).

v0.2 change log (21 July 2026). Resiliency added as value 5. Floor Supremacy → 6, Epistemic Floor → 7. Ratified following an ERES-PELLIS Framework test at the Application

Architecture layer.

v0.3 change log (21 July 2026). Added Credits, References, and License (CC BY 4.0) sections per ERES house-style requirement. Filename bumped per the v0.1.1 relabel convention.

v0.4 change log (21 July 2026, internal). Prepared appendix and self-ratification structure informed by DeepSeek review pass; retired fabricated content at Data-Integrity check before promotion to v0.5.

v0.5 change log (21 July 2026). Added Scale-Consistency as value 8. New section *Scale and IDEA*. Added Threats 7 and 8. Appendices A and B added. Self-Ratification section with SOUND-tier claim. Data-Integrity value 3 extended to prohibit fabricated citations, datasets, and bodies.

v0.6 change log (21 July 2026). Assimilated MIEVM v0.5 four-node review. S5 recast as cascade-closure-OPEN; new Threat 9 (cascade closure claimed by naming); Value 3 tightened to prohibit "PROVISIONAL" labeling of unanchored closures; MIEVM properly glossed in Appendix A as ensemble protocol; Appendix B extended with Ensemble verification section and MIEVM ensemble minimums. DeepSeek single-node v0.6 pass rejected on Data-Integrity and MIEVM-misappropriation grounds; formally recorded.

v0.7 change log (21 July 2026). Assimilated MIEVM v0.6 five-node ensemble review (ChatGPT 9.1, Qwen 8.5, Gemini 8.6, Perplexity 8.4, DeepSeek 8.3; mean 8.58, $\sigma \approx 0.28$). Specific changes:

- (a) Preamble self-ratification note updated to record both MIEVM rounds and note that the ensemble structural criterion for SOUND-tier is met at v0.6;
- (b) Value 3 extended to require distinguishability between structural rules and empirical values in load-bearing text (Perplexity's proximity-risk concern);
- (c) new Threat 10 added — proximity misreading — naming the specific failure mode of reading structural rules as ratified empirical values;
- (d) S5 candidate resolution paths expanded from two to three: the third candidate (federated decentralized network structure) was surfaced by Gemini in the MIEVM v0.6 Q5 bias-check answer and correctly held OPEN; folded here as path (c) with proper attribution;
- (e) Self-Ratification section extended with full MIEVM v0.6 results; the ensemble structural criterion for SOUND-tier is noted as met ($\geq$4 nodes, mean $\geqslant$8.5); other SOUND-tier criteria remain OPEN;
- (f) Credits section extended to record DeepSeek's behavior change under the Q5 bias-check protocol — first single-node fabricator now constrained-ensemble contributor; this behavior change is filed as first-order corpus evidence that the MIEVM Q5 protocol design works;

- (g) Appendix B "How to read this appendix" note added at head, distinguishing structural rules from empirical values (directly addressing Perplexity's proximity risk);
- (h) Appendix B Section 6 extended to require Q5 bias-check administration for SOUND and BEST tiers;
- (i) Appendix A glossary extended with MIEVM Q5 protocol and structural-rule-vs-empirical-value entries;
- (j) References extended with MIEVM v0.6 round entry;
- (k) BEST-tier canonization gate updated: third MIEVM round with mean ⩾9.0 across ⩾5 nodes, Q5 bias-check retained.

No OPEN items closed in v0.7. All ensemble-surfaced convergent findings were folded structurally without closure. Data-Integrity value 3 held throughout.

This Declaration is a draft in the ERES sense: pre-canonical, binds drafting immediately, canonization gated on external ratification. Rating and revision solicited.