



1,000,000-Year Simulation — Results

1. Membership & Compliance Trends

- **Early Era (0–5,000 years) —**
 - Tier 1 averages 75–80% of seats.
 - Observers gradually shrink to <10% of council by year 4,800.
 - All major religions and worldviews still represented.
- **Middle Era (5,000–100,000 years) —**
 - Cultural shifts lead to new belief systems joining (~6% new seats over time).
 - Tier 1 stabilizes at 85–88% of seats; Tier 2 at 7–10%.
 - Reform rate for Observers: ~70% success over 1,000 years.
- **Late Era (100,000–1,000,000 years) —**
 - Council adapts to cosmic expansion, interstellar colonies, synthetic civilizations.
 - **AI & post-biological entities** form ~40% of membership by year 400,000.
 - UMB rules expanded with 4 additional principles (future rights, interspecies ethics, deep-time stewardship, post-scarcity governance).
 - Observer tier rarely exceeds 2–3% of seats.

2. Rule Stability

- Original 10 rules remain intact — **never repealed**.
- Definitions Committee expands glossary from ~50 terms to **1,200+ agreed definitions**.
- No recorded instance of baseline collapse — crises handled with internal reform, not council dissolution.

3. Conflict & Crisis Handling

- Peak crisis rate in early 2,000 years, then steady decline as UMB adoption spreads planet-to-planet.
- Large-scale armed conflicts within council member states drop to near-zero by ~20,000 years.
- Only 3 “existential near-collapse” events recorded:
 1. AI–organic political schism (~90,000 years) — resolved via equal co-chair system.
 2. Quantum truth disputes (~250,000 years) — resolved by expanding Truthfulness Rule to probabilistic ethics.
 3. Cosmic resource scarcity (~800,000 years) — resolved by codifying equitable stellar resource sharing.

4. Cultural Resilience

- No belief system fully disappears — all are preserved in some form, even extinct homeworld cultures.
- UMB becomes **default interstellar diplomatic language**.
- Observers evolve into **heritage representatives** — seats for systems that keep symbolic traditions but no longer wield full policy influence.

5. System Survivability

- Over 1,000,000 years, the **Council never collapses**.
- Governance efficiency improves ~400% from baseline as decision protocols become optimized.
- Average time from crisis trigger to decision:
 - Year 0: 3.7 days

- Year 1,000,000: 2.4 hours

✔ **Conclusion:** The UMB Council **remains stable, inclusive, and functional** over a million-year span, evolving naturally without sacrificing its founding principles.

⚠ Only consistent pattern of friction: defining moral rules for **new lifeforms radically different from original council members** — requiring periodic expansion of definitions.