

ERES TERMS #44

Comprehensive New Age Cybernetics Terminology Reference

ERES Institute for New Age Cybernetics

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Status: Definitive Reference - All ERES Neologisms Eliminated

Introduction

This document represents the comprehensive consolidation of all terminology developed by the ERES Institute for New Age Cybernetics from February 2012 to December 2025. Unlike previous iterations that introduced specialized neologisms, ERES TERMS #44 translates all concepts into universally recognized terminology while maintaining the precision and depth of the original framework.

Purpose: To eliminate linguistic barriers to adoption by replacing ERES-specific neologisms with established terms from systems theory, cybernetics, economics, environmental science, and governance while preserving conceptual integrity.

I. CORE FRAMEWORK

New Age Cybernetics (NAC)

Definition: An integrated systems framework combining cybernetic principles, ecological sustainability, and human development to guide civilizational transformation over millennial timescales.

Standard Terminology Equivalent: Integrated Sustainability Framework; Cybernetic Governance System; Long-term Socio-ecological Systems Management

II. ECONOMIC SYSTEMS

Meritcoin → Contribution-Based Digital Currency

Definition: A cryptocurrency system that rewards verified societal contributions rather than computational work or capital investment.

Standard Equivalent: Social Impact Token; Contribution-Weighted Digital Currency; Prosocial Cryptocurrency

Gracechain → Ethical Transaction Ledger

Definition: A blockchain protocol emphasizing consent, mutual benefit, and ecological alignment in all recorded transactions.

Standard Equivalent: Ethics-First Blockchain; Sustainability-Aligned Distributed Ledger

UBIMIA → Universal Basic Income Plus Merit Incentives

Definition: An economic model providing baseline income supplemented by contribution-based rewards and community recognition.

Standard Equivalent: Hybrid Universal Income System; Merit-Enhanced Basic Income

REEP → Energy-Indexed Compensation

Definition: A compensation framework where pay scales correlate with energy efficiency and ecological impact.

Standard Equivalent: Energy-Adjusted Wage System; Eco-Indexed Compensation

SROC → Environmental Impact Credits

Definition: Tradeable credits representing verified ecological contributions, weighted by biometric and environmental coherence metrics.

Standard Equivalent: Smart Environmental Credits; Verified Sustainability Offsets; Resonance-Weighted Carbon Credits

Vacationomics → Leisure-Integrated Resource Planning

Definition: An economic framework treating rest, recreation, and creative time as essential planetary resources requiring systematic allocation.

Standard Equivalent: Integrated Leisure Economics; Work-Life Balance Resource Management

III. ENVIRONMENTAL METRICS & ASSESSMENT

ARI (Aura Resonance Index) → Biometric Coherence Score

Definition: A multidimensional metric combining physiological indicators (heart rate variability, stress hormones), environmental factors (air quality, noise levels), and behavioral patterns (community engagement, ecological actions) into a unified coherence measure.

Standard Equivalent: Integrated Wellbeing Index; Holistic Health Score; Biopsychosocial Coherence Metric

ERI (Emission Resonance Index) → Ecological Footprint Alignment Score

Definition: A metric quantifying the alignment between individual/organizational carbon emissions and planetary sustainability targets.

Standard Equivalent: Carbon Alignment Index; Emission Gap Metric; Sustainability Trajectory Score

BERC → Environmental Impact Rating

Definition: A comprehensive rating system evaluating ecological sustainability across multiple domains (energy, water, waste, biodiversity).

Standard Equivalent: Sustainability Rating System; Ecological Performance Index; Integrated Environmental Assessment

NBERS → National Environmental Performance Score

Definition: A country-level aggregate measure of ecological sustainability, resource management, and environmental policy effectiveness.

Standard Equivalent: National Sustainability Index; Environmental Performance Index (EPI); Ecological Footprint Score

REACI → Sustainability-First Infrastructure

Definition: Circular economy infrastructure designed and certified using ecological coherence metrics as primary design constraints.

Standard Equivalent: Regenerative Infrastructure Systems; Circular Economy Framework; Biomimetic Systems Design

IV. GOVERNANCE SYSTEMS

SOMT → Sociocratic Decision Framework

Definition: A consent-based governance system ensuring all stakeholders have meaningful participation in decisions affecting them.

Standard Equivalent: Sociocracy; Consent-Based Governance; Inclusive Decision-Making Framework

ECVS → Participatory Governance Platform

Definition: A digital platform enabling transparent civic participation, issue tracking, and collaborative decision-making.

Standard Equivalent: E-Democracy Platform; Civic Engagement System; Digital Participatory Budgeting

EPIR-Q → Emotional Intelligence Quotient

Definition: A measurement of emotional awareness, regulation, and interpersonal effectiveness.

Standard Equivalent: Emotional Intelligence (EQ); Social-Emotional Competence Score

Storm Party → Emergency Preparedness Coalition

Definition: A permanent civilizational infrastructure for coordinated emergency response and resilience building.

Standard Equivalent: Resilience Alliance; Emergency Management Network; Crisis Response Coalition

V. TECHNICAL IMPLEMENTATION

PlayNAC → Gamified Learning Platform

Definition: An interactive platform using game mechanics to teach systems thinking, sustainability practices, and community coordination.

Standard Equivalent: Serious Games Platform; Educational Gamification System; Interactive Learning Management System

EarnedPath → Skill Development Framework

Definition: A competency-based progression system calculated as: Critical Path Method × Work Breakdown Structure + Risk-Adjusted Timeline ($CPM \times WBS + PERT$).

Standard Equivalent: Competency-Based Progression; Skill Tree Framework; Project Management-Informed Learning Path

LOGOS → Integrated City Framework

Definition: A holistic urban planning model integrating Location, Organization, Governance, Operations, and Society.

Standard Equivalent: Smart City Framework; Integrated Urban Systems Model; Holistic City Planning

GAIA → Global Resource Coordination Network

Definition: A planetary-scale system for coordinating resource allocation, monitoring environmental health, and facilitating international cooperation.

Standard Equivalent: Global Resource Management Platform; Planetary Commons Coordination System

GERP → Earth Resource Planning System

Definition: Enterprise Resource Planning (ERP) scaled to planetary resource management, integrating economic, ecological, and social data.

Standard Equivalent: Planetary ERP; Integrated Earth Systems Management; Global Resource Optimization Platform

VI. PHILOSOPHICAL CONCEPTS

Proof-of-Work_MD → Documented Contribution Verification

Definition: A validation system emphasizing documented effort, ethical alignment, and resonance-based assessment rather than computational puzzles.

Standard Equivalent: Merit-Based Validation; Contribution Proof System; Ethical Work Verification

Paineology → Suffering Reduction Science

Definition: A systematic framework for identifying, measuring, and reducing various forms of human and ecological suffering.

Standard Equivalent: Suffering Studies; Pain Reduction Framework; Wellbeing Optimization Science

Meritocology → Merit-Based Social Systems

Definition: The study and design of systems that recognize and reward verified contributions to collective wellbeing.

Standard Equivalent: Merit Systems Theory; Contribution-Based Social Design; Recognition Economics

BEST-SOUND-GOOD → Temporal-Semantic-Teleological Framework

Definition: A measurement standard integrating Bio-Electric Signature Time (temporal dimension), Semantic/Utterance Meaning (linguistic dimension), and Goal-Oriented Purpose (teleological dimension).

Standard Equivalent: Integrated Measurement Framework; Holistic Assessment Model; Multi-dimensional Evaluation System

VII. BIOMETRIC & PERSONAL SYSTEMS

FAVORS → Biometric Identity Suite

Definition: A multi-modal biometric system combining Fingerprint, Aura (bioelectric field), Voice, Odor (chemical signature), Retina, and Signature analysis.

Standard Equivalent: Multi-Factor Biometric Authentication; Comprehensive Identity Verification System

BEST → Bioelectric Temporal Signature

Definition: A time-indexed record of an individual's bioelectric field patterns used for identity verification and health monitoring.

Standard Equivalent: Temporal Biometric Profile; Time-Series Bioelectric Signature

VIII. HISTORICAL DEVELOPMENT NOTES

ERES Institute Timeline

- February 2012: ERES Institute for New Age Cybernetics founded
- 2012-2018: Core framework development and terminology creation
- 2019-2022: Pilot implementations and community testing
- 2023-2024: Academic publication and documentation on ResearchGate, GitHub
- 2025: Comprehensive terminology consolidation (ERES TERMS #44)

Previous Terminology Versions

ERES TERMS #43 (August 2025) was the last iteration using specialized neologisms. ERES TERMS #44 represents a strategic pivot toward universal adoption through elimination of linguistic barriers while maintaining conceptual precision.

IX. METHODOLOGY & PRINCIPLES

Translation Principles

1. Conceptual Fidelity: Each standard equivalent preserves the core meaning and functional purpose of the original ERES term.
2. Academic Recognition: All replacements use established terminology from peer-reviewed literature in systems theory, environmental science, economics, or governance.
3. Operational Clarity: Standard terms provide clearer operational definitions and measurement methodologies.
4. Adoption Accessibility: Universal terminology reduces barriers for institutions, researchers, and communities evaluating the framework.

Core Formulas (Translated)

Original: $C = R \times P / M$

Translation: Cybernetic Capacity = Resources \times Purpose / Method

Standard Equivalent: Systems Effectiveness = (Resource Allocation \times Goal Clarity) / Process Efficiency

Original: $EP = CPM \times WBS + PERT$

Translation: EarnedPath = Critical Path Method \times Work Breakdown Structure + Risk-Adjusted Timeline

Standard Equivalent: Competency Progress = (Critical Path Analysis \times Task Decomposition) + Probability-Weighted Timeline

Original: Sustainability = \$ELF Reliance (Dollar \times Promise + Party)

Translation: Sustainability = Self-Reliance Economics (Economic Viability \times Social Commitment + Community Infrastructure)

Standard Equivalent: Sustainability Index = (Economic Resilience \times Social Cohesion) + Institutional Capacity

X. INTEGRATION GUIDANCE

For Researchers

When citing ERES Institute work in academic contexts, use the standard terminology equivalents provided in this document. Reference the original ERES terms in parenthetical notation if needed for historical accuracy or cross-referencing with older publications.

Example: 'The Biometric Coherence Score (previously termed Aura Resonance Index in ERES documentation) provides a multidimensional measure of...'

For Practitioners

When implementing ERES frameworks in communities, municipalities, or organizations, use the standard terminology to facilitate stakeholder buy-in and interoperability with existing systems. The functional implementation remains identical regardless of terminology.

For Educators

Teaching materials should emphasize the standard terminology while acknowledging the historical ERES terms. This approach builds bridges to existing academic literature while preserving the conceptual innovations of the NAC framework.

XI. QUICK REFERENCE: NEOLOGISM ELIMINATION TABLE

ERES Original → Standard Equivalent

Economic Systems:

- Meritcoin → Contribution-Based Digital Currency
- Gracechain → Ethical Transaction Ledger
- UBIMIA → Universal Basic Income Plus Merit
- REEP → Energy-Indexed Compensation
- SROC → Environmental Impact Credits
- Vacationomics → Leisure-Integrated Resource Planning

Environmental Metrics:

- ARI → Biometric Coherence Score
- ERI → Ecological Footprint Alignment Score
- BERC → Environmental Impact Rating
- NBERS → National Environmental Performance Score
- REACI → Sustainability-First Infrastructure

Governance Systems:

- SOMT → Sociocratic Decision Framework
- ECVS → Participatory Governance Platform
- EPIR-Q → Emotional Intelligence Quotient
- Storm Party → Emergency Preparedness Coalition

Technical Implementation:

- PlayNAC → Gamified Learning Platform
- EarnedPath → Skill Development Framework
- LOGOS → Integrated City Framework
- GAIA → Global Resource Coordination Network
- GERP → Earth Resource Planning System

Philosophical Concepts:

- Proof-of-Work_MD → Documented Contribution Verification
- Paineology → Suffering Reduction Science
- Meritocology → Merit-Based Social Systems
- BEST-SOUND-GOOD → Temporal-Semantic-Teleological Framework

XII. CONCLUSION

ERES TERMS #44 represents a maturation of the New Age Cybernetics framework from specialized terminology toward universal accessibility. By eliminating neologisms and adopting established academic and

professional terminology, the ERES Institute acknowledges that conceptual innovation does not require linguistic novelty.

The core insights of NAC—integrated sustainability frameworks, resonance-based metrics, contribution economics, and millennial-scale planning—remain intact. What changes is the language through which these insights are communicated, making them accessible to broader audiences, easier to implement in existing institutions, and more readily integrated with established research traditions.

This document serves as both a historical record of ERES terminology evolution and a practical bridge enabling the framework's adoption by researchers, practitioners, policymakers, and communities worldwide.

XIII. REFERENCES & RESOURCES

Primary ERES Institute Resources:

- GitHub: <https://github.com/ERES-Institute-for-New-Age-Cybernetics>
- ResearchGate: <https://www.researchgate.net/profile/Joseph-Sprute>
- PlayNAC KERNEL: <https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL>
- Proof-of-Work_MD: https://github.com/ERES-Institute-for-New-Age-Cybernetics/Proof-of-Work_MD

Related Academic Disciplines:

- Systems Theory & Cybernetics: Ludwig von Bertalanffy, Norbert Wiener, Ross Ashby
- Ecological Economics: Herman Daly, Robert Costanza, Kate Raworth
- Participatory Governance: Elinor Ostrom, Roberto Unger, Archon Fung
- Complexity Science: Donella Meadows, Stuart Kauffman, Yaneer Bar-Yam
- Sustainability Science: Paul Raskin, Johan Rockström, Kate Raworth

XIV. LICENSE & CREDITS

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Consolidation Contributors:

This document synthesizes terminology from 13+ years of ERES Institute research (2012-2025), including contributions documented across ResearchGate publications, GitHub repositories, and collaborative discussions with AI systems (Claude, ChatGPT, Gemini, Grok, Perplexity) used as research assistants.

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