

“The EthiSizer”: Ethical AI Global Governor

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ABSTRACT

This chapter details the proposed design, development, and implications of an advanced ethical AI global governor system called The EthiSizer. The EthiSizer AI establishes and enforces a unified ethical standard across a broad spectrum of global agents such as individuals, corporations, and governments, leveraging the Entire Earth Ethic. By integrating advanced data analysis techniques and machine learning algorithms, it systematically evaluates actions to promote sustainable global cooperation, and ethical global governance. The chapter details the technological backbone of The EthiSizer AI, drawing on historical and contemporary AI developments to highlight design challenges and solutions. It also delves into the proposed (1) ethical framework employed, (2) system architecture, (3) implementation strategies, and (4) broader societal impacts. Through hypothetical case studies and theoretical analysis, the chapter evaluates the practical applications of The EthiSizer in various sectors, discussing both the potential benefits, and ethical dilemmas posed by such a proposed technology.

INTRODUCTION

Addressing global wicked problems may require international cooperation and shared ethical commitments among Earth’s 195 nations (Aaronson, 2023a, 2023b; Chan, 2023; Harari, 2017, 2019; ISRM, 2024; Kolko, 2012; Lönngren & van Poeck, 2021; Ludwig et al., 2022; Various, 2024).

Given ongoing wars (at the time of writing) including in Gaza, Iran, and Ukraine (World Population Review, 2025), purely national or local responses are insufficient for many such global-scale problems.

The Problem Statement

Key global trends motivating interest in global-governance-grade ethical infrastructure include: AI-enabled misinformation (Kirkland & Fang, 2025), transnational cybercrime, climate coordination failure, and escalating geopolitical risk (Harari 2019). The United Nations and the International Court

DOI: 10.4018/406034

of Justice have limited effectiveness where many nations *compete (conflict)* rather than *cooperate*, in many different measurable dimensions (Velikovsky & EthiSizer, 2022).

A proposed solution to these global wicked problems is an Ethical AI Global Governor, briefly outlined in this chapter, with links to extant literature on and by early iterations of The EthiSizer AI.¹

The chapter is structured in nine parts: (1) An AI singleton (a global moral code) (Bostrom, 2006), (2) Technological Foundations, (3) Design Considerations, (4) System Architecture, (5) Implementation Strategies, (6) Ethical and Social Implications, (7) Case Studies and Applications, (8) Future Research Directions, and (9) Conclusion. A URL is provided to a supplemental online Appendix to this chapter.

An EthiSizer (Ethical AI Global Governor) is proposed as enforcement-supporting infrastructure for a global moral/ethical code, intended to reduce unethical behavior and selected global wicked problems, potentially reducing global disunity.

THEORETICAL PERSPECTIVE

The theoretical perspective of this chapter is the meta-meta-science of Evolutionary Culturology (Velikovsky, 2017, 2019, 2023, 2025). This meta-meta-scientific framework reduces (a) systems, and (b) their inputs/outputs, to their scientific structure, function, scale-levels, the three laws (of *fractal HOLON/partons*), and evolutionary mechanisms.

These universal units (*fractal HOLON/partons*) enable an EthiSizer Global Governor architecture that can incorporate Digital Twins (Armstrong, 2020) of Earth, to simulate and evaluate ethical outcomes of actions at planetary scale. The motivation is to reduce systemic harm from unethical action, including by humans, institutions, governments, and AI systems.

BACKGROUND: ON ETHICS AND MORALS, AND AI

The terms `ethics' (of Greek origin) and `morals' (of Latin origin) are sometimes conflated. Fowler's definitions of the two terms are adopted herein. Fowler (1926) notes:

The two words, once fully synonymous, & existing together only because English scholars knew both Greek & Latin, have so far divided functions that neither is superfluous... *ethics* is the science of morals, & *morals* are the practice of ethics; *His ethics may be sound, but his morals are abandoned.* (Fowler, 1926, p. 152)

Reviews of ethics and AI, ethics of AI, and meta-meta-ethics include (Boddington, 2023; Bostrom, 2022; Floridi, 2021, 2023; Harari, 2017; Tsamados et al., 2021; Walsh, 2022), addressing issues such as bias and discrimination, privacy and surveillance, safety and existential risk, fairness, and the limits of human judgment (Agrawal et al., 2022; Kahneman 2011; Kahneman et al., 2021; Morewedge et al., 2025).

Recent AI-accelerated scientific research includes (Bubeck et al., 2025; Mitchener et al., 2025) and Agents4Science (Agents4Science, 2025; Stanford University, 2025); ethical-governance systems (e.g., The EthiSizer AI) can be framed as accelerators of Ethics Science.

While human-created ethical/moral philosophies across Earth's Big History² have included Utilitarianism, Virtue Ethics, Deontology, and more (EthiSizer, 2025a), the American evolutionary biologist and anthropologist David Sloan Wilson advances a Whole Earth Ethic (WEE) in (Wilson, 2020). In the framework of The EthiSizer AI, this concept is renamed the Entire Earth Ethic (EEE). The

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