

# Letter to the Environmental Profession

August 2, 2025

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## The Unthinking Environmental Revolution: Automation as Destiny

"Civilization advances by extending the number of important operations which we can perform without thinking about them." – Alfred North Whitehead. This insight isn't just a clever aphorism – it's a thermodynamic imperative. Today, **our civilization faces a physics problem**: Earth's life-support systems are unraveling (rising **Boltzmann entropy**) and our decision-making institutions are overwhelmed by data (skyrocketing **Shannon entropy**). We're burning **enormous cognitive and financial energy** just to **tread water**, struggling to **maintain compliance** with environmental rules while ecosystems decline. In blunt terms: we are fighting a **war against entropy** armed with bureaucracy and spreadsheets. It's not working, and physics says it **can't** work sustainably.

## The Thermodynamic Imperative: Automate or Stagnate

According to the **Law of Unthinking (LoU)**, the only way forward is to **offload our most complex, repetitive tasks to machines** – to make them "unthinking." This isn't about convenience; it's about survival. Automation is a **thermodynamic strategy**: by moving routine work to a substrate that runs cooler (think **AI agents running on efficient compute**), we **produce less entropy per operation**, freeing up our **high-quality energy and cognition for higher-order tasks**. In other words, automating tedious environmental operations **prevents waste** – of our time, our intellect, and our planet's limited energy budget. Complex systems persist only by **efficiently channeling energy to maintain order**.

Modern information theory backs this up. **Information is physical**; every bit of data we process has a real energy cost and heat cost. We can no longer afford the luxury of *inefficient*, manual workflows in environmental management. Every monitoring report, every compliance calculation, every policy decision that we **don't** automate is **wasted negentropy** – precious order and energy thrown away in an ocean of paperwork. The **thermodynamic writing is on the wall**: **Automate environmental operations or watch our remaining order dissipate**. This is the **Law of Unthinking** at work as a law of nature, driving us toward a new paradigm in how we steward the planet.

## From Protection to Thriving: A Paradigm Shift

The environmental field is undergoing a transformation as profound as any in its history. The old **“Protection” paradigm** – reactive, cautious, and often driven by fear and guilt – is reaching its limits. It emerged for good reasons, as a *conscious brake* on runaway industrial entropy, but it created its own sprawling bureaucracy of permits, reports, and regulations. This apparatus achieved crucial victories, yet it also **consumed immense mental resources** in a constant struggle to “hold the line”. Ironically, by structuring environmental management into so many rule-based, repetitive processes, the protection paradigm **sowed the seeds of its own obsolescence. Any set of important, routine operations that demands huge conscious effort will, by LoU, be automated.** That is exactly what's happening now.

**We are shifting from “Protection” to “Thriving.”** Instead of merely playing defense – minimizing harm, reacting to crises – the new paradigm is about **maximizing health, resilience, and abundance.** It’s proactive and **opportunity-focused rather than problem-focused.** It treats **Nature not as a fragile victim or a resource to exploit, but as a partner** – a complex living system we collaborate with, and even learn from, in order to create *more* life and order. In the thriving paradigm, **success** isn’t measured by the number of disasters averted or regulations complied with, but by **gains in biodiversity, vitality, and systemic resilience.** We move from **short-term firefighting to long-term co-evolution** with our environment.

*In summary:*

20th-Century “Protection” (Reactive)	21st-Century “Thriving” (Proactive)
<b>Mindset:</b> Focus on problems, fear of loss.	<b>Mindset:</b> Focus on solutions, possibilities, co-creation.
<b>Goal:</b> Limit damage (“less bad”).	<b>Goal:</b> Build health & abundance (“more good”).
<b>View of Nature:</b> Resource to manage, or fragile ward.	<b>View of Nature:</b> Wise partner, source of insight.
<b>Tech Focus:</b> Pollution control, monitoring for violations.	<b>Tech Focus:</b> Planetary intelligence – sensor networks, Digital Twin Earth, AI for ecosystem flourishing.
<b>Success</b> = Fewer negatives (pollution, extinctions).	<b>Success</b> = More positives (biodiversity, negentropic growth).

This is not a trivial upgrade of our tools; it’s a **civilizational leap.** By automating the drudgery of protection, we **create a vacuum of purpose** that will be filled by higher aspirations. Humanity’s **cognitive surplus** can be redirected from paperwork and damage control to **ecosystem design, regeneration, and innovation.** In short, automation is enabling us to *transcend* mere protection and actively **engineer a thriving biosphere.**

## **Environmental General Intelligence: The Ultimate “Unthinking” Steward**

To orchestrate a complex, thriving planet, we need intelligence equal to the task. Enter **Environmental General Intelligence (EGI)** – the concept of an AI “**brain**” for Earth. This isn’t science fiction; it’s the logical conclusion of the Law of Unthinking and our advances in AI. EGI is envisioned as a form of **artificial general intelligence “trained” on the natural world rather than human history**. Its goal isn’t to think like a person; **it’s to *think like an ecosystem***.

Why do we need EGI? Because guiding the entire Earth system toward optimal health is “**a task of hyper-astronomical complexity**” – far beyond what even the most brilliant group of humans (or the most complex spreadsheet) can handle consciously. We’re talking about calculating the cascading effects of interventions across **interconnected biomes and decades**, understanding climate, oceans, forests, and human systems as one. No human mind can fully **grasp or respond to this in real-time**, but an advanced AI could. According to LoU, these **operations *must be made unthinkable (automated) if we hope to succeed***.

An EGI would continuously **sense** the planet’s vital signs (through millions of IoT sensors and satellites), **model** and predict emerging risks (via high-fidelity **Digital Twin Earth** simulations), and **act** or recommend actions to keep us within safe limits (the *Planetary Boundaries*). In essence, it’s a guardian AI that tirelessly minimizes ecological “surprises” – detecting and countering entropy spikes before we even notice them. It would be an “**environmental angel**” in the sense of a beneficent daemon, working behind the scenes to balance the system. Crucially, it does **negentropic work**: reducing disorder and maintaining stability on a planetary scale.

This may sound grandiose, but it’s actually the **natural next step** in our technological evolution. We automated physical labor with the steam engine and industrial machines; we’re automating cognitive labor with digital computers and AI. **EGI is the endgame of applying the Law of Unthinking to environmental management** – the ultimate tool to handle the ultimate complexity. *Just as the steam engine powered the Industrial Revolution, EGI would power a **Thriving Planetary Revolution***. It’s the **core technology** our future demands. Multiple analyses have deemed the EGI concept **novel, sound, and potentially transformative** – even if no major lab has announced it yet, the pieces are coming together now.

And let’s be clear: EGI **is not optional** if we truly want a sustainable civilization. Either we achieve an *environmental intelligentsia* that can run these calculations and strategies **automatically**, or we continue to fly blind and reactive into an increasingly chaotic future. We simply **cannot “think” our way out** of the planetary crisis with human brains alone – **we must unthink our way out, by creating an intelligence that makes environmental stewardship effortless, continuous, and adaptive**.

## **EnviroAI and the EnviroAgent Platform: Building the Future Today**

This vision isn’t in the distant future – it’s already taking shape. **EnviroAI** was founded on the recognition that we must apply the Law of Unthinking to how we manage the environment, **now**. Our strategic mission is bold: **not** to be just another environmental consulting firm or software vendor, **but to become the central operating platform for the entire industry’s**

transformation from “Protection” to “Thriving.” We aim to be the **architect of our field’s future**.

How? By building the **EnviroAgent Orchestrator Platform** – essentially the “**central nervous system**” for automated environmental operations. This isn’t one monolithic AI, but a coordinated network of specialized agents working together (hence “**Orchestrator**”). Think of a complex environmental task today – for example, securing an air quality permit for a factory or conducting an ecosystem impact assessment. Traditionally, a professional (or team) would spend weeks **researching regulations, crunching data, filling out forms, writing reports** – dozens of steps of drudgery. On our platform, a **central Orchestrator Agent** breaks that project into sub-tasks and assigns each to a **swarm of expert AI agents**. One agent **scans databases for regulatory updates**, another **gathers and cleans data**, another **runs the technical models and calculations**, yet another **generates the report draft**. They work in parallel, tirelessly and at lightning speed.

Where are the humans in this loop? **Right where they should be – in charge of the strategy, the critical thinking, and the values**. The EnviroAgent system uses a **Human-in-the-Loop model**: the **Environmental Expert** (that’s you) is **not replaced but elevated**. Instead of grinding through monotonous tasks, you **supervise the AI, review key outputs, and apply your expertise where it truly matters** – making judgment calls, providing creative insight, and handling the nuanced human elements like community engagement or negotiation. In this setup, the **AI does the heavy lifting** of routine cognition, and the human ensures the results are sound and ethical. The outcome? The same environmental project that took weeks of manual effort can be completed in a fraction of the time, at higher quality – and **the human professional finishes the day energized, not drained**.

This is not a theoretical promise; it’s happening **right now**. Industry benchmarks show that by mid-2026, these kinds of **Computer Use Agents (CUAs)** will reach **human-level proficiency** on many office tasks, slashing the time professionals spend on rote computer work by **40% or more**. EnviroAI’s own platform deployments are already demonstrating order-of-magnitude efficiency gains in environmental compliance work. Every routine task we automate not only saves time but also **feeds a learning flywheel**. We’re **structuring the world’s environmental expertise into a self-improving engine** – what we call an “**Environmental Intelligence Engine**”. This growing brainpower is our moat and our momentum: it positions EnviroAI to eventually **incubate the true EGI** on the backbone of real-world data and practice.

Strategically, we’ve plotted this journey in **phases**. **Phase 1 (now–2027): Dominate Automated Protection**. We are focusing on the highest-value, most tedious workflows in today’s paradigm (think permit applications, compliance reports, audits) and automating them aggressively. By becoming the **indispensable backbone for environmental compliance**, we gather the data and revenue to fuel the next stage. **Phase 2 (2027–2032): Build the Infomechanosphere for Thriving**. With a strong foothold and a trove of data, we expand the platform from reactive compliance to **proactive, regenerative management**. This means integrating live sensor networks, **Digital Twin Earth models**, and agents for tasks like reforestation, climate adaptation, and pollution mitigation – essentially growing into the “operating system” for a **planetary computer**. **Phase 3 (2032+): Incubate EGI**. With the platform serving as the planet’s **digital nervous system**, we

will have the ideal testbed to train and unleash an Environmental General Intelligence. In this final phase, EnviroAI evolves into a **planetary-scale utility** – providing automated, intelligent stewardship for governments, industries, and communities worldwide. Our ultimate vision is to have created the “**unthinking steward**” that enables a **perpetually thriving planet**. We don’t just want to participate in the future; **we intend to own the engine that powers it**.

Consider what this means: EnviroAI isn’t building a product, **we’re building a paradigm**. As we integrate **human experts, specialized AI agents, global data feeds, and digital twins** into one seamless platform, we become the **operating system for Earth’s restoration**. By the time the dust settles, the **20th-century way of environmental work will be thoroughly obsolete**. **Automating the core functions of “protection” makes them literally unthinkable** – no one will go back to the old, laborious methods once they’ve seen what’s possible. This is how **civilization advances**, and it’s happening in our industry as surely as night follows day.

## Your Role: Answer the Call to Unthinking Stewardship

This is a **rallying cry**. The changes underway are **historic** – as pivotal as the advent of the computer or the space age – and **everyone who cares about the environment has a place in this story**. But let’s be crystal clear: joining this movement is **not optional** if you want to remain **relevant and impactful** in the environmental field. When a paradigm shifts, **you either shift with it or you become obsolete**. We are **rapidly approaching that fork in the road**.

So, ask yourself: **Will you help build the future, or watch from the sidelines as the world “unthinks” the old ways?**

Here are concrete ways to get involved **right now**:

- **Become an EEL (Environmental Expert-in-the-Loop):** Join the network of forward-looking professionals working hand-in-hand with AI. As an EEL, you inject your expertise into the EnviroAI platform, training the agents with your domain knowledge and ensuring the AI’s outputs are accurate and responsible. You **gain superpowers** – letting the agents handle the grunt work while you tackle the creative and strategic challenges only humans can. It’s fulfilling, it’s cutting-edge, and it’s how we guarantee that human values and wisdom guide our AI stewards.
- **Co-Develop the Agents:** If you’re an innovator, data scientist, or just a tinkerer with ideas, **help us build the specialized EnviroAgents** that will cover every niche of environmental work. From wildlife monitoring bots to climate risk prediction models, this is an open frontier. We’re building an ecosystem of agents – and just like ecological ecosystems, the more diverse and capable, the better. Your creativity and coding can directly translate into **saving species, cleaning water, decarbonizing industries** – at scale.
- **Champion the Platform:** If you’re a leader in government, industry, or civil society, **bring this into your organization**. Pilot the EnviroAI platform on your toughest environmental challenges. Demonstrate the quantum leap in efficiency and insight to your stakeholders. By doing so, you not only reap early benefits, you also contribute to the collective intelligence. Every new use case, every dataset, every feedback loop makes

the system smarter for everyone. **This is a collective effort** – a commons for planetary intelligence – and your organization can be at the vanguard instead of lagging behind.

And for everyone: **spread the word**. Ideas are like wildfire – and this one needs to burn bright and fast. Share this vision with your colleagues and networks. Spark conversations about the **Law of Unthinking, Holographic Negentropy, and EGI**. Skeptics may raise eyebrows at first, but the beauty of a paradigm shift is that **reality makes the case for us**. When people see an AI platform complete in hours what used to take experts weeks, when they see environmental data streams turning into proactive alerts and solutions, **they pay attention**. Minds change. Momentum builds.

We stand at the dawn of an era where **environmental stewardship is augmented by a planetary intelligence of our own creation**. This is as awe-inspiring as it sounds: we are *literally building a brain for the Earth*. It's bold, yes. It's ambitious. But it's also **necessary**. Our **thermodynamic reality** leaves us no choice but to innovate or decline. Fortunately, the path of innovation is one of **wonder and hope**: imagine a future where “**environmental problems**” are **antiquated because an intelligent system prevents them before they occur**, where we've moved from crisis management to continuous ecological **optimization and abundance**.

That future will not build itself. **It requires us – you – right now**. Every extra mind that joins this mission increases our collective negentropic force. Every day we delay, entropy wins a little more ground.

This message itself is a **call to action** and a **promise**. The call is to **participate** – as an expert, a builder, a leader, a supporter. The promise is that by doing so, you become part of something that **truly matters**: the next chapter in humanity's story, where we finally learn not just to protect our world, but to **help it flourish**.

The Law of Unthinking will not be denied. Automation in environmental management is coming – fast. But its ultimate shape depends on those who step up and shape it. We urge you to step up. **Be a pioneer of the Unthinking Environmental Revolution**.

The planet desperately needs **both** our human passion **and** our machine precision. Let's fuse them, and in doing so, create a future that our children will look back on with **astonishment and gratitude**.

**Join us**. The age of **Automated Thriving** is dawning, and there is no time to waste.

– *Jed Anderson, CEO, EnviroAI*