

PUBLIC DOMAIN DEDICATION & INTENT TO ABANDON USPTO APPLICATION

Re: USPTO Application Serial No: 18/098,564

Title: System and Method for Generating Value
via Measures of Ecosystem Health

Filed: January 18, 2023

WIPO Publication No: WO2024155705 (Published July 18, 2024)

Declaration of Intent

We, Darryl J. Nicke II and Steffen Studeny, co-inventors, sponsored by Carbon Capture Shield Inc., pursuant to 37 C.F.R. § 1.138 and the principles of open access, ecological stewardship, and rational self-interest, hereby:

- Expressly abandon U.S. Patent Application Serial No: 18/098,564, and
- Dedicate the disclosed invention — including all concepts, designs, software, data models, and methodologies described in Serial No: 18/098,564 and WIPO Publication No: WO2024155705 — to the public domain worldwide under the Creative Commons CC0 1.0 Universal (Public Domain Dedication).

This action ensures the invention remains unpatentable and freely accessible for the benefit of all people and ecosystems. We intend to withdraw any pending PCT applications related to WO2024155705 to reinforce its public domain status globally.

To Humanity and the Earth

Through rational self-interest, we dedicate this invention — a tri-tiered digital currency system (EXPLORERS, REGENS, GUARDIANS) for valuing ecosystem health through biodiversity metrics, ecological accounting, and decentralized marketplaces — to the global commons. Any person, community, or entity may use, share, adapt, improve, or commercialize this work, provided it does not restrict access or undermine the creation of objective value through ecosystem vitality.

The “core principles of openness and ecosystem benefit” mean:

- **Regenerative outcomes**, defined as objectively measurable increases in biodiversity (including fungal and microbial), ecological function, or ecosystem health, prioritizing restoration over degeneration.
- **No derivative work** may enclose access, restrict replication, or monopolize methods of valuing ecosystem health.
- **Individual rights** to value created (e.g., currency earned) are recognized, ensuring personal and data sovereignty for stewards and innovators.

Vision for a Regenerative Economy

We envision a planetary economy grounded in objective measurement of value creation and destruction:

- **EXPLORERs currency**, rewarding documentation of biodiversity across farmland, rainforests, coral reefs, rivers, deserts, and microbial ecosystems.
- **REGENs currency**, incentivizing restoration of degraded ecosystems through measurable health improvements.
- **GUARDIANs currency**, supporting long-term stewardship and biocultural preservation within interconnected biomes.
- **An ecological debit accounting mechanism**, objectively measuring value destroyed by degradation, embedding restoration costs in extraction for accountability.

This aims to spark a global “gold rush” for naturalists, scientists, farmers, and indigenous communities to map biodiversity, restore ecosystems, and steward vitality, with data sovereignty ensuring control over their contributions.

Legal Effect

We make this dedication with full understanding:

- No non-publication request was filed under 35 U.S.C. § 122(b)(2)(B)(i), affirming this voluntary public domain dedication.
- We request the USPTO record this as an express abandonment of application 18/098,564.
- WO2024155705 and all embodiments are free upon execution of this declaration from proprietary restriction under international law.

Signed:

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April 25, 2025

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