

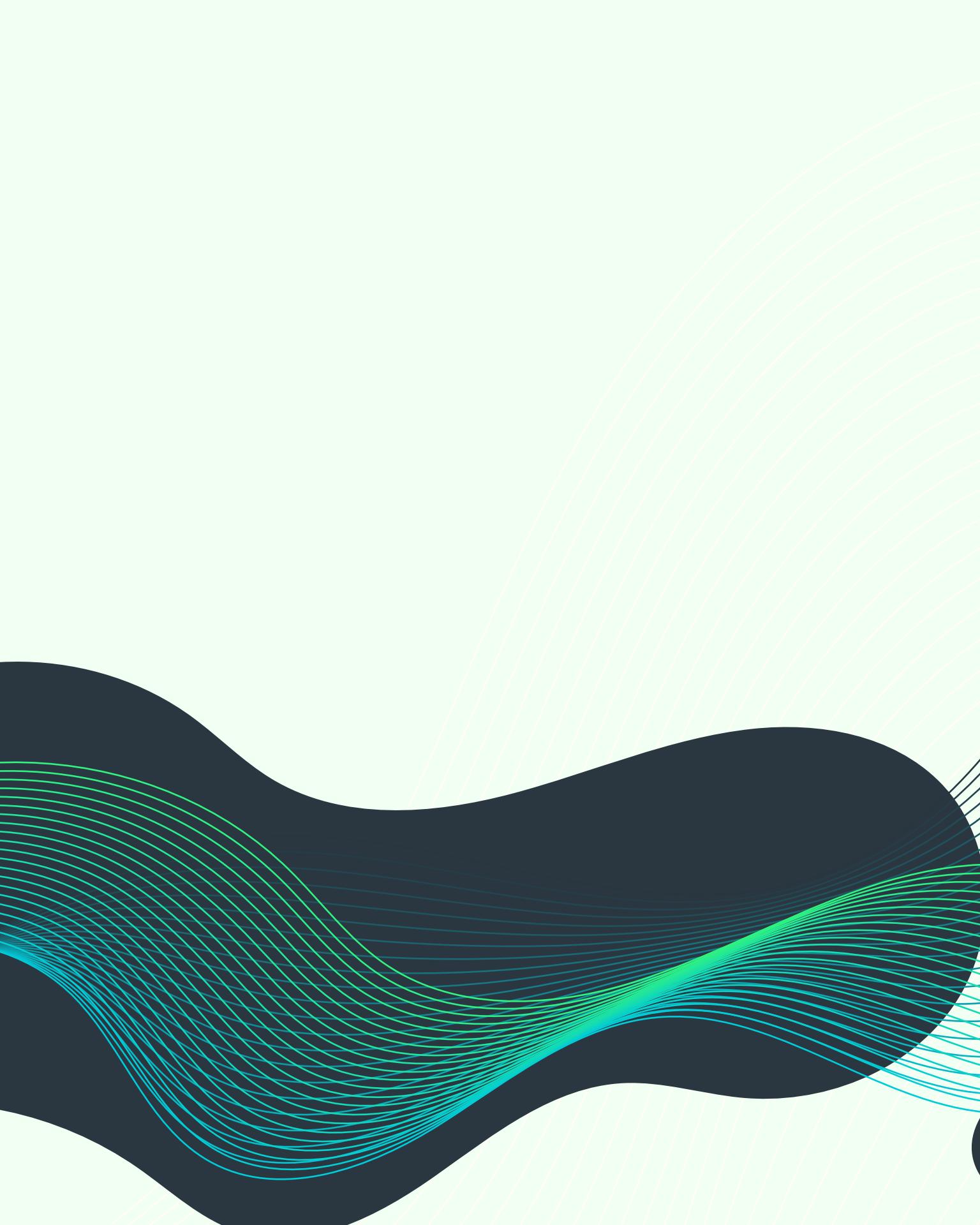
# On-Chain Impact Networks

How Crypto Is Being Used To  
Regenerate The World

Revised Edition of IMPACTDAOs







# [Impact Networks]

How Crypto Is Being Used To  
Regenerate The World

A GreenPill Network Writer's Guild Publication  
From the GreenPill Network

# GREEN PILL

ImpactNetworks is V2 of ImpactDAOs (read V1 at [greenpill.network](http://greenpill.network)) that was published in April 2022. As the crypto ecosystem has evolved and shifted since then, we wanted to create an updated version, hoping that others will continue to update with V3, V4, and so on in the years to come.

We opted to use the word network over DAO, as it reflects the shifting landscape of the ecosystem, recognizing that not everything is a DAO and not all networks want to be. A network can be a DAO, a protocol, a group of people, and any combo of these.

ImpactNetworks was written, published, and designed by the GreenPill Networks writer's guild. It is our first stab at writing a comprehensive book in a decentralized and open manner.

This version includes those who are building, leveraging, exporting, and using crypto to help create impact in their fields of focus.

This isn't an exhaustive list, but it was inspired by Perchy's (@TheFutureisDAO) Regentopia artwork. We acknowledge that we will have missed organizations doing impactful work. Think of this as a starting place to learn more about the impact networks that are forming and rippling out into the world rather than a definitive list.

# We're building a CoordiNation across Nations & Cultures.

*CoordiNation (noun): a network-society that exports regenerative digital infrastructure to the world.*

**Editor:** Riley Blackwell

**Writers and researchers:** Sarah Smith, Kate Goheen, Ifeanyi Princewill, Lana Dingwall, Trinity Morphy, Matt Strachman, Anthony Amio, Eunice Eyo, Rayne Leach, Cauê Tomaz

**Designers:** Anthony Luong, Ashna Srivastava, Sarah Smith

**Project leads:** Lana Dingwall, Izzy Lawernce-Onwuzurike

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This book contains networks that show how crypto can help regenerate the world in their respective fields

## A Note From The GreenPill Network Writer's Guild

In an era where technology continues to reshape every facet of our lives at an increasing speed, the concept of an Impact Network stands out as an example of how we can use it for good. At its core, an Impact Network leverages the decentralized and accessible nature of blockchain technology to create systems that facilitate positive, tangible change in the world. This book is a small step in exploring the numerous ways blockchain has the potential to address some of the most pressing challenges of our time, ranging from scientific innovations to financial resource distribution to climate change and beyond.

Our goal is to showcase tangible ways crypto is being used to create positive sum outcomes and the amazing networks of communities behind them. We explored some of the fastest-growing impact domains so that even if you're new to any of these categories, it's clear there's something for everyone to dig into. What's important here is that no matter how much time you can dedicate to a hobby, network, or research outlet, impact is possible and can also be fun.

Blockchain is not just about cryptocurrencies; it has the potential to revolutionize many industries. - Vitalik Buterin

The categories you'll find in this book are:

Decentralized Science (DeSci) democratizes science by using blockchain to provide open access to research data and decentralized funding, fostering a more inclusive, human-forward scientific community.

Community Funding Protocols empower communities to collectively fund initiatives that align with their values, from Universal Basic Income (UBI) schemes to public goods, art, open-source software, and more.

Regenerative Finance (ReFi) prioritizes sustainability and positive environmental impact. ReFi utilizes blockchain to create financial models that regenerate natural ecosystems and promote long-term sustainability.

The themes of Climate and Environmental REGENERATION explore how blockchain is used to combat climate change and restore ecological balance. These include carbon credit trading platforms and decentralized conservation efforts, among many more.

Blockchain's potential for Culture and Education includes protecting cultural heritage, promoting artistic expression, and providing access to quality education for underserved communities.

Infrastructure development benefits from blockchain-based solutions to build resilient and inclusive systems, such as decentralized energy grids or smart cities.

Finally, Impact Measurement is essential for understanding the true impact of blockchain initiatives. While measuring impact is often a moving target, these tools and teams are on the right track to building more intuitive solutions.

When the writers of this book came together to showcase these varied networks, we asked them for things that have helped in their journey through the impact industry. Many agreed that finding notable events in the news or their local towns and cities needed some form of impact to help them relate their work in blockchain to tangible goings on in their lives. These have proven to be excellent conversation starters and ways to bring real needs into new, exciting web3 projects.

ImpactNetworks is a testament to the power of collective action and technological innovation. As you read through this book, we hope to inspire you to engage with the blockchain ecosystem, contribute to impactful projects, and explore how you can leverage this technology to create a more sustainable and equitable world. Whether you are a seasoned crypto enthusiast or new to the space, everyone has a role in this journey towards a positive-sum future.

‘Blockchain is a tool for reimagining the future and building a more equitable society.’

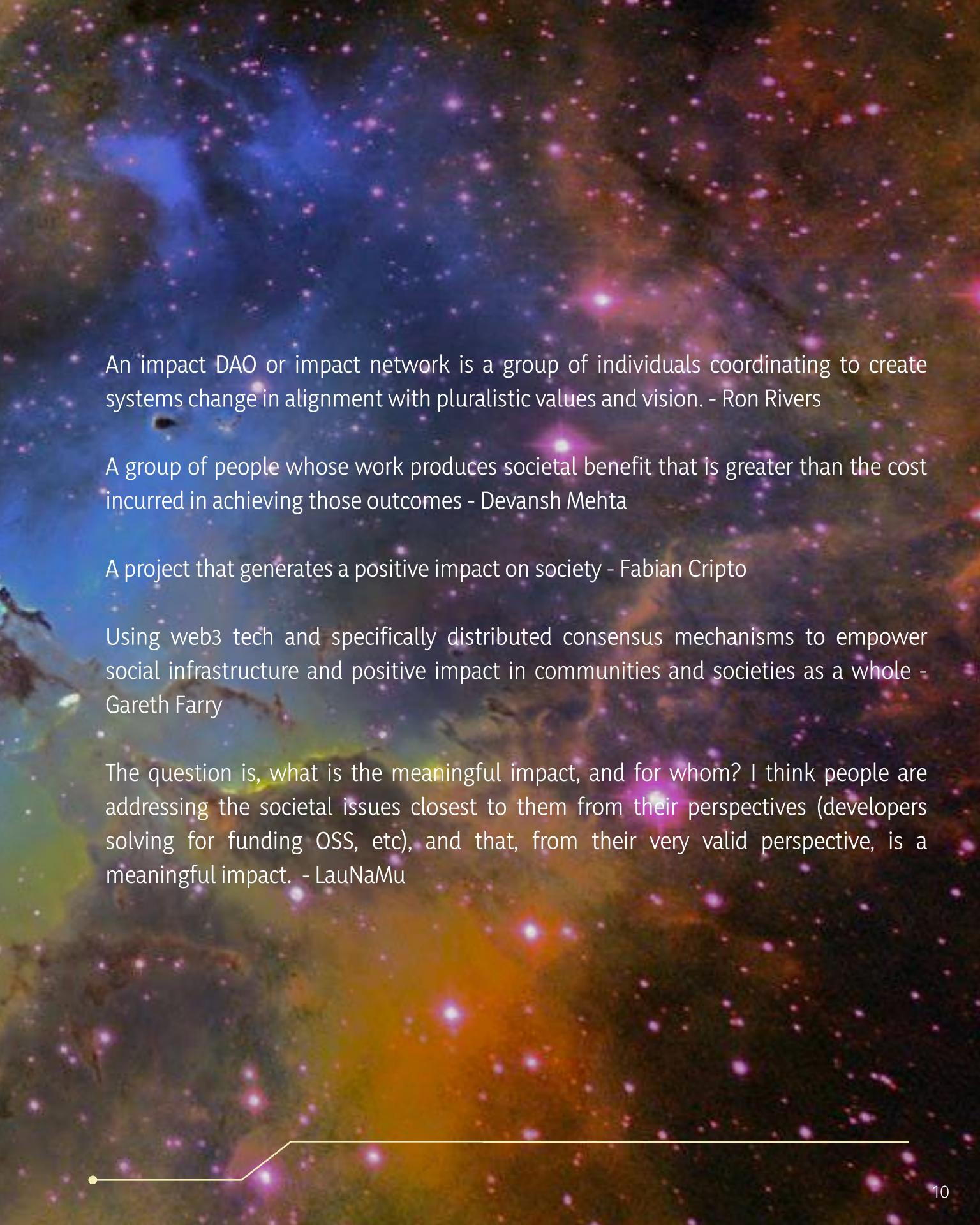
-Vitalik Buterin

# Impact Networks

Impact Networks are coordinating across nations, cultures, industries, languages, and beyond to create something meaningful in their zone of work.

The impact can be felt within the network's community and ripples out into the world in significant ways.

People's definition of 'impactful' varies depending on their lens, so we wanted to compile a book that helps highlight varying types of impact because they matter and feed into each other whether we know it or not.



An impact DAO or impact network is a group of individuals coordinating to create systems change in alignment with pluralistic values and vision. - Ron Rivers

A group of people whose work produces societal benefit that is greater than the cost incurred in achieving those outcomes - Devansh Mehta

A project that generates a positive impact on society - Fabian Cripto

Using web3 tech and specifically distributed consensus mechanisms to empower social infrastructure and positive impact in communities and societies as a whole - Gareth Farry

The question is, what is the meaningful impact, and for whom? I think people are addressing the societal issues closest to them from their perspectives (developers solving for funding OSS, etc), and that, from their very valid perspective, is a meaningful impact. - LauNaMu

# Blockchain

Blockchain itself is an impact network as it has allowed people to organize, connect, and share all kinds of resources in ways we haven't been able to before. Like how the internet brought about a new wave of connection, building innovation and growth, blockchain is the next iteration.

For those new to blockchain, also referred to as web3, crypto, or onchain, here is a look at how this technology is being used.

Blockchain technology is reshaping how individuals and communities collaborate. This decentralization of decision-making paves the way for a more equitable, inclusive, and resilient future.

Crypto-economic systems can be designed to incentivize positive-sum prosocial behavior with built-in transparency and a trustless environment of distributed public ledgers. These multi-disciplinary models align individual interests with the overall health of the community.

By decentralizing decision-making, we can tap into the collective wisdom. Smart contracts - self-executing agreements with the terms defined in code - streamline complex processes and eliminate reliance on third-party intermediaries to maximize efficiency. Trust and accountability are built among diverse participants, combined with the verifiability of on-chain coordination. In this emerging frontier, trust is redefined. It is not placed in a central authority but embedded within the system.

We are rediscovering the cross-cultural mechanisms of pre-monetary resource allocation practices that have unified local communities for longer than the post-industrial revolution has existed. The success of these new digital frontiers requires wisdom in the obscured mathematical constants intersecting life, art, and society. More concretely, we are building off of the research of American Nobel Prize-winning economist Elinor Ostrom on bottoms-up governance of the shared management of common-pool resources like forests, fisheries, and groundwater basins. Balanced and sustainable collaboration with the whole in mind is supercharged with decentralized technology and Impact Networks.

# Decentralized Science



“The decentralized science (DeSci) movement is disrupting the traditional research economy by introducing novel coordination, incentivization, and verification mechanisms to sustain and disseminate open science.”

-Stephanie Dunbar

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“DeSci uses web3 technology to establish a secure, lasting record of scientific contributions that enables fair credit allocation, simplifies transactions, allows worldwide resource sharing, and overcomes economic barriers.”

- Vincent Weisser & Ella McCarthy-Page

# Decentralized Science (DeSci)

A central tenet of science—the spark of curiosity and discovery—has been unintentionally stifled by a systemic shift toward bureaucratic policies that favor established ideas over novelty. As a result, traditional science has become slow, unoriginal, competitive, and political. Conservative funding metrics and fear of plagiarism have promoted siloed research approaches and competition for patents. Decentralized science (DeSci) is a movement that incentivizes collaboration, risk-taking, and creativity. It aims to transform how scientific research and funding work through several innovative mechanisms.

Funding is often challenging in traditional research due to risk-averse funding parameters, lengthy application processes, and institutional bias. Institutions are incentivized to keep their discoveries private out of fear of data plagiarism. Grant agencies favor established researchers and push scientists to produce results continually. Additionally, there is pressure to produce significant results, often leaving insignificant findings unpublished, known as the file-drawer effect. This pressure leads researchers to design cautious experiments and hypotheses, stifling creativity and genuine experimentation.

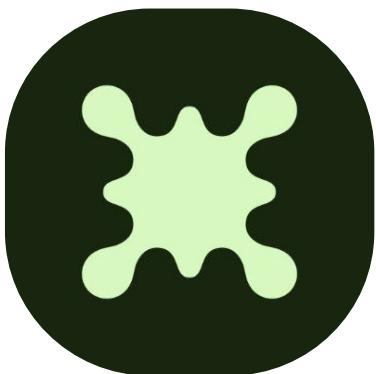
Blockchain technology makes research data available, accessible, and credited to the original source. It allows data to be read, shared, built upon, and easily replicated, eliminating traditional institutional and geographical barriers to collaboration. Researchers globally can access and contribute to a shared pool of knowledge, fostering diverse perspectives and accelerating innovation.

The DeSci movement aims to complement rather than replace existing systems, offering an alternative funding approach through crowdsourcing. Scientists can apply for grants for their ambitious ideas, or individuals from the general population can propose specific research avenues. DeSci uses governance processes through tokenized ownership to allocate funding via community consensus.

These processes promote a collaborative research approach, with scientists and laypeople advocating for potential research avenues in traditionally undervalued or highly experimental fields. Researchers can also obtain funding by selling fractional ownership of possible intellectual property to a wide range of investors, allowing investors and researchers to benefit directly from discoveries.

DeSci aims to create a more efficient, transparent, and equitable scientific ecosystem. Below are some examples of how this movement has already started and ways in which anyone interested can join. Science should be accessible to everyone, whether you are the next Einstein or Marie Curie or simply a passionate supporter of a cause.

## Bio.xyz



Bio.xyz, a biotech DAO accelerator, and DeSci meta-governance layer provide funding and support to innovators in decentralized science. It offers a launchpad, resources, mentorship, a shared network, and a comprehensive suite of legal and smart contracts tailored for DeSci DAOs. Each accelerator program includes a USDC \$100,000 grant and token launchpad. Each bio DAO can crowdfund its treasury by offering tokens to its communities in exchange for bids to fund research and development. The accelerator also provides 18 weeks of dedicated support, including consulting and strategic advisory in tokenomics, tech, regulatory, R&D, community, and operations.

Since 2018, Bio.xyz has led in decentralized science, creating vital infrastructure such as the IP-NFT framework to manage intellectual property. Bio.xyz has successfully incubated and accelerated biotech DAOs like VitaDAO, PsyDAO, ValleyDAO, AthenaDAO, HairDAO, CryoDAO, and CerebrumDAO, collectively raising over \$16.7 million.

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## AthenaDAO

AthenaDAO is a decentralized community of researchers, funders, and advocates dedicated to advancing women's health research, education, and funding. The organization sources, funds, and incubates translational research, supporting projects from discovery through licensing IP assets and creating spin-out companies. Researchers benefit from access to comprehensive legal, strategic, scientific, and market mentorship and support facilitated through the community-held \$ATH tokens. These tokens allow holders to determine IP development, define support mechanisms, influence governance structures, and manage the AthenaDAO treasury.

Since its inception in 2022, AthenaDAO has made significant strides in women's health research, funding projects such as targeting the cGAS-STING pathway to delay ovarian aging and enhancing ovarian follicle survival and growth by targeting the ISR. The organization has also contributed to publishing several volumes of the Reproductive Health Report.





## PsyDAO

PsyDAO aims to build a user-owned and operated psychedelic future, ensuring that psychedelic intellectual property is freely traded, collectively owned, and responsibly managed for the benefit of all humankind. Their goal is to redesign incentives and access from the bottom up, focusing on people—patients, recreational users, and spiritual communities—rather than centralizing ownership within organizations with misaligned incentives. The organization uses pseudonymity and privacy-preserving technologies to ensure that knowledge and research can be shared without revealing the identities of the sender or recipient. Founded in 2022, PsyDAO funds research and provides small grants for psychedelic innovations. With over 3,500 members, PsyDAO currently supports more than ten psychedelic research projects.

## HairDAO



HairDAO is an open-source R&D network where patients and researchers collaborate to develop new treatments for hair loss. Users can anonymously log their treatment experiences in the HairDAO app, contribute to hair loss research, and earn HAIR tokens as a reward. The community decides which research projects receive funding, with academics and informed community members encouraged to propose projects. Voting on which projects to support is done through holding HAIR tokens. This democratic approach ensures diverse perspectives are considered, fostering an innovative research environment. Funded projects include research on Thyrotropin-releasing hormone, Dutasteride, Twist-1 and 2i, and YAP-1i. Patents submitted include T3 Liothyronine and T4 Levothyroxine, which have shown measurable regrowth effects on human scalp and hair follicles ex vivo.

## VitaDAO



VitaDAO is a community-owned collective that funds and supports longevity science. Holders of the VITA token choose which research projects to support and contribute to in the fight against age-related diseases. The organization primarily funds translational research and is particularly interested in “moonshot” projects that can potentially make revolutionary scientific contributions. VitaDAO also occasionally funds more “basic” research and other initiatives aligned with the interests of the LongBio community.

As of 2024, VitaDAO has deployed over \$4.6 million in funding, supported 23 research projects, evaluated over 200 projects, and currently has over \$10 million in liquid funds.

## CryoDAO

CryoDAO aims to advance cryopreservation research with high potential to improve the field's quality and capabilities. Cryopreservation has numerous applications, including organ and human preservation. Currently, 80% of donor-to-patient organs are wasted due to a lack of ability to preserve them. Despite growing interest in cryopreservation, the field needs more research projects with a high potential to increase the quality and capabilities of cryopreservation. The CRYO token is integral to funding and governing cryopreservation research.



Holders gain voting rights within the ecosystem, directly influencing funding decisions and strategic direction. In the first half of 2024, CryoDAO successfully closed a monumental ~\$2.8M fundraise (1,108 ETH) with projects funded including Molecular Profiling and Computational Modeling for Novel Cryoprotectants and high-viscosity solutions to mitigate perfusion impairment.

## ValleyDAO

ValleyDAO addresses critical climate and food challenges by funding and incubating academic research and building a community in synthetic biology and industrial biotechnology. This field uses biological organisms to sustainably produce products like animal-free meat, nutrients, clothes, fuels, fertilizers, and medicine, essential for tackling climate change and food security.

ValleyDAO enables community participation in assessing and voting on research projects. Approved projects receive funding and support, and their intellectual property is commercialized through startups or sub-licensing. Proceeds are shared with researchers and



reinvested by the DAO into future projects. Notable initiatives include producing oils and fats in yeast, sustainable biofluorination of molecules, and SynbioCAD software. In 2023, ValleyDAO secured over \$1M in funding through the launch of the GROW token, hosted several events, funded its first project at Imperial College, and provided translational support to BioHalo, a spin-out from Denmark Technical University.

## Cerebrum DAO

Cerebrum DAO is an open global community dedicated to advancing brain health and preventing neurodegeneration, with a primary focus on Alzheimer's. This community funds "moonshots" in brain health—high-risk, high-reward projects with revolutionary potential. The key focus areas include neuroinflammation, metabolic alterations, reactive oxygen species, mitochondrial dysfunction, and the blood-brain barrier.

Using the NEURON token, the community reaches a consensus on which projects to support. Funds are allocated to the most promising candidates to commercialize their research, and licensing proceeds are shared between the researchers and the DAO. In addition to funding research, Cerebrum DAO is forming product partnerships, starting with a brain assessment and support app.



## LabDAO

LabDAO is an online life science research collective offering open tools and infrastructure for computational projects. Researchers can access BioML models, such as those for protein binder design and protein folding, without setting up models locally. This enables immediate experimentation with clearly defined input fields, access to all parameters, and the ability to run multiple jobs in parallel. LabDAO ensures results are tracked, easily explored, and downloadable. Each use of a computational biology tool on the Lab Exchange mints a token that tracks the owner and details of the result.

The Lab Exchange, powered by Bacalhau and IPFS and inspired by the Common Workflow Language, has actively expanded its toolset since 2021 with the help of community contributions. Groups like UltraRare Bio leverage the platform to design small molecule inhibitors for rare diseases. Available tools include mechanistic small molecule docking, protein structure prediction, and small molecule language models.





## Metagov

Metagov aims to enable better self-governance. Their vision is to work toward an empowered, interconnected, and accountable governance layer for the internet. Their activities are supported by the three mutually supporting pillars of Community, Research, and Operations to foster collaborations on widely accessible, cutting-edge research. They have also funded governance research through MetagovDAO, providing a platform for researchers and practitioners in online governance to discuss their work through the Metagov Seminar.

Additionally, Metagov currently oversees various projects, including AI Palace (a residency for open-source AI), Calm Technology (a standards body for mindful use of technology), DAOstar (the standards body of the DAO ecosystem), Govbase Dataset (a set of research data sets in online governance), OSS Transitions (exploring OSS accountability systems), PolicyKit (an engine for building governance in online communities), Public AI (a new AI political economy), and Telescope (a Discord bot supporting digital ethnography).



WaterLAB is a project redefining water management by classifying and measuring regenerative water attributes. Billions lack access to clean drinking water, and WaterLAB aims to bring transparency, sustainability, and regenerative practices to the water industry. These practices promote water neutrality and the transition to more sustainable, cost-efficient water supply systems.

The project invests in water research and production projects using the RH2O token and a water credit classification system. This system incentivizes regenerative water projects and supports voluntary water markets within the WL global community. Since its inception in 2022, WaterLAB has funded several water research projects and received support from three Gitcoin Grant Rounds. It partners with organizations such as ReFiDAO, Gitcoin, and Regen Network.



Community  
Funding  
Protocols: UBI,  
Public Goods,  
Art, Non-  
Profits And  
Beyond

"The Protocol Guild is an experiment in public goods funding that aims to align the incentives of core protocol contributors with the continued stewardship of the ecosystem by allowing these contributors to share in the value created by their hard work."

- Alex Stokes

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"Now you have venture capital scale returns for nonprofit causes."

- Griff Green

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"Rewriting how capital flows through society is arguably the biggest unlock in crypto. As blockchains compete for market share, we're begging to see rapid experimentation with novel forms of funding that grow impact ecosystems"

- Sohpia Dew

# Community Funding Protocols

On-chain tooling is changing how networks use crypto to build new and experimental economic systems that support the well-being of many. These tools facilitate direct and democratic (community) participation in funding processes ranging from universal basic income to environmental conservation and open-source software development. By doing so, they empower communities worldwide, enabling broad and targeted impacts that address global inequalities and foster sustainable development. This is not just a technical revolution but a social one, where technology serves as a tool for real-world change.

Traditionally, the responsibility for allocating funding and resources to public goods, social and environmental needs, crisis aid, and open-source technology has fallen on governments, charities, and non-profit organizations. This dependency often leaves many vital causes—considered public goods because they are non-excludable and non-rivalrous—at the mercy of political cycles, local economies, and fluctuating levels of individual or corporate donations. Despite the good intentions, many crucial and impactful initiatives remain underfunded or entirely unsupported. The advent of crypto introduces a significant shift, offering tools such as governance tokens, staking mechanisms, liquidity pools, social tokens, and memecoins. These DeFi instruments empower blockchains, protocols, DAOs, networks, and communities to support important global causes effectively.



Projects are building innovative tools and creating new methods to fund initiatives that deliver positive-sum benefits, fundamentally transforming our approach from a purely financial system to new regenerative economies. These platforms leverage the potential of DeFi for impact and profit vs just profit. Examples include staking Ethereum, LP yield, short-term lending and investing, and using this money to fund public goods. Additionally, creating memetokens and governance tokens provides a fresh funding source for projects aimed at ecological restoration and community support, transforming popular digital trends into tools for positive change.

These platforms emphasize transparency and encourage democratic participation, allowing community members to directly decide how funds are distributed, whether for artists who drive cultural innovation, developers building open-source software, crisis aid, UBI, or sustainable efforts focused on environmental conservation and regeneration. These systems and tools help expand the funding landscape and integrate crucial areas like the environment, public welfare, and the arts into a unified, financially regenerative ecosystem, demonstrating that financial systems can effectively support and enhance collective well-being.

## GoodDollar

GoodDollar is a protocol governed by its members to promote decentralized financial education and access for all. To address global inequality, GoodDollar tackles the issue of wealth concentration by leveraging free market forces, social investing principles, and decentralized finance (DeFi) tools.

The protocol is a digitally native, peer-to-peer currency accessible to anyone worldwide with a smartphone and internet connection, fostering a more inclusive digital economy.



GoodDollar generates, funds, and distributes crypto Universal Basic Income (UBI) via its token, G\$—an ERC-20 digital asset built on the Ethereum blockchain. Nearly half a million individuals from over 222 countries and territories have opened a GoodDollar digital wallet, participating in the digital UBI economy.

## Glo Dollar

Glo Dollar is a US-regulated and fiat-backed stablecoin company developed by the Glo Foundation. Revenue is split between the Glo Foundation and its issuance partner, but the Foundation donates its share to public goods and charity. Embedding philanthropy into money means people can passively engage in charitable giving in the digital age. The project went live in 2023, and there are \$2.4 million and growing Glo Dollars in circulation, which has enabled \$1,393.77 in donations to GiveDirectly.



The recent upgrade to Glo Dollar 2.0 allows users to vote within the Glo App where the generated yield should be allocated, which includes fighting extreme poverty, combating climate change, or web3 public goods. They will be adding more charitable causes on a rolling basis, but currently, the options cover fighting extreme poverty, supporting Web3 open-source code, and addressing climate change. In an attempt to spur the proliferation of the Glo Dollar, the next major steps are a credit card collateralized with Glo Dollars and integrating with multiple payroll providers.

## Octant

Octant allows users to earn ETH rewards by funding public goods and projects they care about using Golem's native ERC-20 token, \$GLM. Octant aims to be the first self-sustaining global public goods financing ecosystem, balancing the common good with individual financial empowerment.

The development of Octant is dynamic and continuously seeks community input. At this stage, users can fund public goods projects through individual allocations, suggest eligibility criteria for recipients, submit potential recipients, and propose experimental designs and governance mechanisms. The Golem Foundation seeded Octant by staking 100K ETH from its treasury. Every 90 days, a portion of staking rewards gets allocated to the Octant reward pool, with the community determining the distribution of funds.



Since launching in 2023, Octant has completed three allocation windows, donating over 840 ETH to 30 high-impact public goods causes, with users claiming 418 ETH in rewards. A significant value is pledged toward developing public goods through Octant, with around 15% of the GLM token supply staked for the cause. The fourth Epoch's Allocation Window is scheduled to begin in mid-July 2024.

## ETH Evacuations

The mission of EthEvacuations, run by Kat (katalunia.eth), is to fund evacuations from Gaza using ETH, tipping tokens like \$DEGEN, \$ENJOY, and funds raised through NFT mints. Each evacuation requires around 1.5 ETH (around \$5,300 at the time of publishing) for an adult and approximately 0.6 ETH for a child. Donations in ETH allow families to cover coordination fees to evacuate via the Rafah crossing. Over the past 5.5 weeks (at the time of writing this), the initiative has raised over \$250,000 and has enabled 45 adults and children to register for evacuation.



Gitcoin is an Ethereum-powered platform that is changing how open-source projects are created and funded. Such projects are community-driven initiatives where developers collaborate to build software, tools, and technologies that benefit everyone. Gitcoin's mission is to "grow open source" by enabling developers to contribute, earn rewards, and fund beneficial projects.

Gitcoin distributes funding primarily through **Quadratic Funding**, a mechanism ensuring fair and inclusive resource allocation via algorithms and matching funds, maximizing the impact of small contributions from many members. To reduce sybil attacks, Gitcoin introduced the Gitcoin Passport in June 2022. This digital ID verifies genuine contributors by requiring "stamps" from various authenticators like Bright ID, Proof of Humanity, Twitter, and Google, ensuring only real individuals receive rewards. The Gitcoin Grants Program allows developers to submit ideas and receive community funding.

Since 2017, Gitcoin has helped over 3,700 projects raise more than 60 million USD, excluding 4.2 million USD in unique donations. Providing a platform for open-source contributions and community-driven funding, Gitcoin is already empowering developers to create/utilize innovative solutions that benefit everyone. As the platform grows, it continues to shape the future of open-source development and community funding, making it a key player in the blockchain industry.



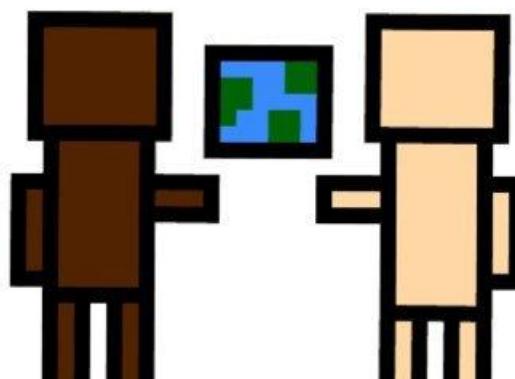
Artizen is a community-funded platform for art, science, and public goods. It seeks to rebuild trust in philanthropy through a transparent and community-driven funding approach. Unlike traditional philanthropic organizations marred by bias and bureaucracy, Artizen empowers its members to support causes and projects aligned with their values, encouraging a more decentralized approach to funding the community's choice. Through community funding, Artizen has fueled innovation, enabling creators and researchers to pursue projects that may otherwise lack financial support, empowering communities to address local needs and improve quality of life, and supporting projects in the arts, thereby nurturing cultural enrichment. Since its establishment in 2021, Artizen has remained active, recently awarding 131.22 ETH (approx. US\$410k) to projects with the highest community support in the third season of its funding cycle.



## HumanDAO

HumanDAO is a community-funded social impact DAO dedicated to onboarding people from low-income or underserved backgrounds into crypto and Web3. The DAO leverages various onchain technologies such as NFTs, P2E (Play-to-Earn), and L2 (Layer 2) solutions. HumanDAO aims to improve the lives of marginalized communities.

HumanDAO enables individuals to earn through different opportunities by connecting them to decentralized digital economies. The DAO offers its members learning, career opportunities, and asset lending. HumanDAO generates revenue by renting or selling assets and collaborating with on-chain gaming projects.



Through its partnership with Food For Life Global, HumanDAO has supplied over 3,000 meals and wages to over 1,000 of its 65,000+ community members.

## Protocol Guild



Protocol Guild is a collective of approximately 160 Ethereum core protocol contributors focused on enabling distributed funding for distributed systems. This collective enhances incentives for stewarding Ethereum's core protocol with tools like a split contract (0xSplits), which distributes donated application tokens to a curated list of contributors through a vesting contract.

Protocol Guild's mission is to fund core Ethereum development sustainably by maintaining its members' onchain registry. This allows ecosystem sponsors to directly fund contributors and their work for the public good.

Protocol Guild maintains a curated membership registry, assigning weights to each member based on their contribution duration. This includes contributors from around 25 projects across the Ethereum ecosystem. Donations vest directly to a time-weighted split, providing long-term incentives for core protocol stewardship. They can be tracked on-chain and through a custom Dune dashboard. Protocol Guild offers the Ethereum community a frictionless way to support core protocol contributors by providing a registry and a donation address, boosting long-term development incentives.

## Clr Fund



Clr.fund is a protocol using quadratic funding to efficiently allocate funds in support of public goods that benefit the Ethereum Network, guided by the preferences of the Ethereum community. Clr.fund emphasizes credible neutrality, decentralization, permissionlessness, trustlessness, and pseudonymity. MACI protects against bribery and helps tally results, while BrightID prevents sybil attacks. Since 2020, the clr.fund has funded nine rounds benefiting the Ethereum ecosystem.



Endaoment is a nonprofit community foundation and public charity built on the Ethereum blockchain, enabling anyone to donate digital assets to any qualified 501(c)(3) U.S. nonprofit organization. This grantmaking foundation supports various forms of giving entirely on-chain. Donors can create a Donor-Advised Fund (DAF) using a social account or an Ethereum wallet via their app or donate directly to any organization. Tools provided include DAFs, Direct Donations, Community Funds, Crypto Portfolio Allocations, the Universal Impact Pool, Traditional Asset Portfolios, and Authorized Fund Advisors.

Contributions can be made via card, stock, or cryptocurrency, and donors can open a DAF for free with no minimums. Every donation comes with a verifiable receipt of its impact. The platform has facilitated a total impact of \$81.36 million, with 2,442 donations, 532 open funds, and \$34.25 million in grantable funds. Endaoment is the smartest way to give.

## Breadchain

Breadchain is a collective of decentralized cooperative projects using solidarity primitives to forge relationships and advance community interests over profit maximization. Its goal is to distribute capital equitably, providing resources for everyone to thrive in a post-capitalist web3. The Breadchain Crowdstaking Application leverages the DAI savings rate on the Gnosis Chain to fund projects like the Crypto Commons Association, Labour DAO, and Symbiota. Interest earned is managed by a Gnosis multi-sig governed by Breadchain Cooperative members. Projects aligning with Breadchain's mission can apply to join the cooperative.



## Giveth

Giveth is a community-driven donation platform leveraging blockchain technology to connect real-world projects with regenerative funding opportunities. The platform offers a zero-fee service, allowing donors to contribute to verified public goods projects and earn rewards via the blockchain. Giveth supports various projects, including environmental initiatives, social causes, and technological advancements.



Giveth's mission is to build a culture of giving that rewards. It empowers those who give to projects, society, and the world. The platform makes giving effortless and rewarding, allowing people worldwide to create positive change. The Giveth platform enables you to invest in projects you believe in, with donations directly supporting these initiatives while earning you rewards.

Since its inception in 2016, Giveth has offered significant benefits through its crypto-native platform. These include zero fees for listing projects, donating and receiving funds, and eliminating intermediaries, ensuring that 100% of all funds go directly from donor to project. Donors earn crypto rewards every time they contribute to a verified project on Giveth, enhancing the appeal and impact of their generosity.

## \$REGEN



\$REGEN is a new culture (meme)coin for Optimists that aims to combine degen vibes with regen(erative) energy. Drawing inspiration from how people organize and support memes, the REGEN token is using the same energy and community organization to create a positive sum impact in the world.

Participants are rewarded for their regenerative-focused activities with points, airdrops, and tips, creating a virtuous cycle that amplifies their impact. This approach not only makes participation fun and rewarding but also drives more on-chain regenerative activity, increasing overall positive outcomes both IRL and online. An example of this was \$REGEN allocating points to anyone who donated on Giveth, which helped create a 16x increase in donations on their platform.



# Regenerative Finance





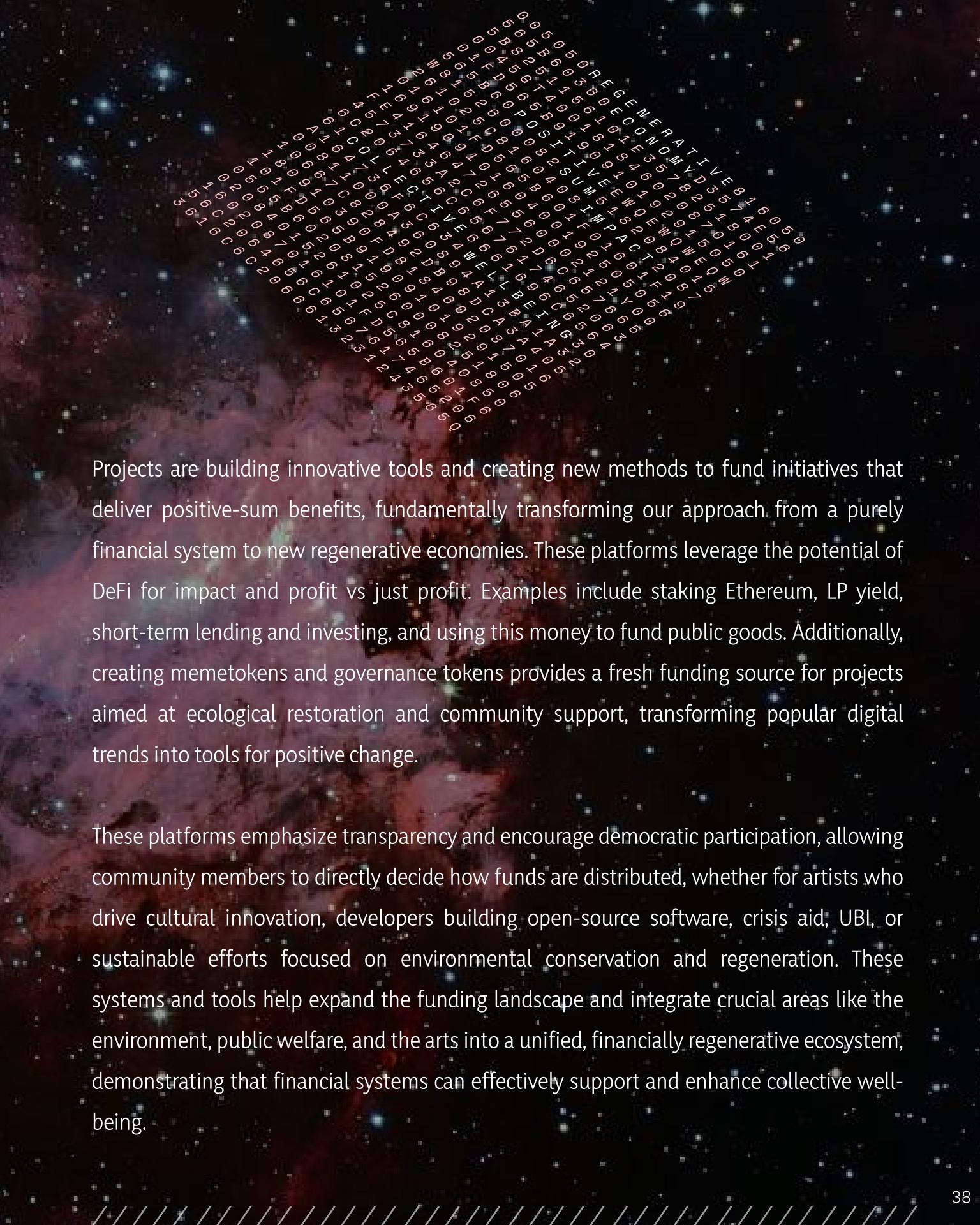
‘Our mission is to build a financial system that creates the conditions for prosperity – for everyone’

- Celo

# Regenerative Finance

On-chain tooling is changing how networks use crypto to build new and experimental economic systems that support the well-being of many. These tools facilitate direct and democratic (community) participation in funding processes ranging from universal basic income to environmental conservation and open-source software development. By doing so, they empower communities worldwide, enabling broad and targeted impacts that address global inequalities and foster sustainable development. This is not just a technical revolution but a social one, where technology serves as a tool for real-world change.

Traditionally, the responsibility for allocating funding and resources to public goods, social and environmental needs, crisis aid, and open-source technology has fallen on governments, charities, and non-profit organizations. This dependency often leaves many vital causes—considered public goods because they are non-excludable and non-rivalrous—at the mercy of political cycles, local economies, and fluctuating levels of individual or corporate donations. Despite the good intentions, many crucial and impactful initiatives remain underfunded or entirely unsupported. The advent of crypto introduces a significant shift, offering tools such as governance tokens, staking mechanisms, liquidity pools, social tokens, and memecoins. These DeFi instruments empower blockchains, protocols, DAOs, networks, and communities to support important global causes effectively.



Projects are building innovative tools and creating new methods to fund initiatives that deliver positive-sum benefits, fundamentally transforming our approach from a purely financial system to new regenerative economies. These platforms leverage the potential of DeFi for impact and profit vs just profit. Examples include staking Ethereum, LP yield, short-term lending and investing, and using this money to fund public goods. Additionally, creating memetokens and governance tokens provides a fresh funding source for projects aimed at ecological restoration and community support, transforming popular digital trends into tools for positive change.

These platforms emphasize transparency and encourage democratic participation, allowing community members to directly decide how funds are distributed, whether for artists who drive cultural innovation, developers building open-source software, crisis aid, UBI, or sustainable efforts focused on environmental conservation and regeneration. These systems and tools help expand the funding landscape and integrate crucial areas like the environment, public welfare, and the arts into a unified, financially regenerative ecosystem, demonstrating that financial systems can effectively support and enhance collective well-being.

## Toucan Protocol

Toucan is building market infrastructure to help scale the carbon removal space efficiently, rigorously, and quickly. They work closely with suppliers, buyers, and other stakeholders to build products that serve the market and its participants. Toucan enables the tokenization of carbon credits using blockchain technology and creates a liquid and openly accessible market for carbon finance. This benefits carbon credit suppliers, buyers, and other climate tech infrastructure builders.

Toucan's mission is to unlock large-scale climate action and transition the world to an economy that operates sustainably within the planet's limits. Launched in 2021, Toucan's infrastructure has supported \$4 billion in carbon credit trading volume, retired credits representing about 298k tonnes of carbon, and made the first-ever registry-approved, high-integrity biochar carbon credits available on-chain.



## Koko DAO

Koko DAO is building a model to verify and compensate for small-scale conservation. Its vision is to develop new blockchain-based methods to reward rural communities for conserving their land, regardless of size, to enable them to tackle small-scale deforestation in rural Colombia



Rural communities and small landowners lack the resources and land size to benefit from carbon offsets for forest preservation, making deforestation economically attractive. Koko DAO uses blockchain to validate the impact of small-scale conservation projects, creating new compensation methods for land preservation.

Founded in 2022, Koko DAO is currently protecting its first forest, which spans 37 acres in Huila, Colombia. The first stage of KOKO DAO's methodology to scale forest preservation in Colombia has been completed. Koko DAO has also completed a drone imagery collection and initial assessment for the establishment of a second forest reserve spanning 300 hectares in partnership with Gain Forest.

## Kokonut Network

Based in the Dominican Republic, the Kokonut Network is creating a blockchain cooperative to encourage regenerative agriculture through promoting, organizing, funding, and managing coconut farms. With a projected yield of 18 million coconuts from the Kokonut V1 plantation, the Kokonut network will generate 10,000+ jobs centered on crucial agricultural duties and revenue of about \$8.1 million per year for the DAO members from the sales of coconut fruits.



The Kokonut network has been active since 2022, having purchased 620 acres of land for the proposed Kokonut V1 plantation. They also partnered with the Department of Agriculture Dominican Republic to access financing for agricultural production, ensuring stability and resilience in emergencies.

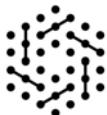
## Silvi

The Silvi movement, born in 2021, aspires to create a ripple effect of hope by planting trees and generating sustainable livelihoods for millions. This innovative approach empowers communities worldwide to lead reforestation efforts, with the ambitious goal of 1 trillion trees planted by 100 million people. Silvi tackles climate change and biodiversity loss head-on by restoring ecosystems through large-scale tree planting. These initiatives go beyond environmental benefits, empowering local communities by offering sustainable employment opportunities and economic development.

Since its inception, Silvi has collaborated with over ten schools and community partners, planting over 5,000 trees. This initial success saw Silvi's supporters plant roughly 70,000 trees across 15 trial locations near Kenya's Kakamega Forest. Additionally, when introducing over 500 farmers to Celo, Silvi helped them earn more using this reforestation incentive model.



**OpenCivics**



OpenCivics is a civic innovation consortium and decentralized collaborative network dedicated to those who choose to care for and take responsibility for communities, commons, and the world together. OpenCivics convenes and facilitates a civic innovation network of leaders, innovators, change agents, and public servants actualized in service to the public good. OpenCivics has two layers of involvement: the OpenCivics Network, an open space for civic stewards to learn about and apply civic innovation, and the OpenCivics Consortium, a DAO for coordinating collaboration on systemic solutions.

OpenCivics has a Grant Round program that seeks to provide funding and coordination support to projects building and deploying civic utilities or civilizational public goods. The latest was OpenCivics Consortium Round 02, which offers a \$66k matching pool to fund critical collaborative protocols, prototypes, and infrastructures that enable civic engagement and interoperable civic utilities for direct governance and stewardship of our communities and commons. The latter was in November 2023, the Genesis Round, which offered \$33,000 USD to 15 civic innovation projects, with allocations made by the public through quadratic voting utilizing the Gitcoin platform.



**KlimaDAO**

KlimaDAO, launched in 2021, acts as a market maker for environmental commodities, utilizing DeFi primitives like DEXes to create liquid markets for these otherwise illiquid assets. Its decentralized nature allows the DAO community to determine its evolution. Governed by the KLIMA token, KlimaDAO's infrastructure serves as a neutral base layer for future environmental commodities markets (beyond just carbon).

KlimaDAO builds public goods, primarily in the form of open-source software, and offers common-pool resources, like protocol-owned liquidity and treasury financing, to foster equitable, scalable, and blockchain-enabled environmental commodity markets. To date, the carbon credit assets in the KlimaDAO ecosystem have had over \$4 billion in trading activity, with an on-chain supply of over 20 million tonnes of carbon credits—representing about 5% of the outstanding carbon credits in circulation globally.

## ReFi DAO

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ReFi DAO, founded in 2021, aims to impact the world through regenerative culture, technology, and ventures, focusing on empowering communities to invest in public goods. It combines education, opportunity development, and fundraising and has built a substantial global presence with over 60,000 ReFi Podcast listeners, hosting over 100 events in 58 cities.



The organization has actively facilitated community-driven environmental and social regeneration by establishing over 40 local nodes globally and deploying more than \$55,000 in grant capital through platforms like Gitcoin. In 2023, ReFi DAO allocated \$30,000 to these nodes, enhancing their ability to support grassroots regenerative projects. The 2024 agenda includes expanding this network with the launch of the Local Node Beta Cohort, which will provide additional tools and collaborative opportunities to strengthen local impacts further.

## Coral Tribe

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Coral Tribe is a community of impact investors using Web3 climate finance to support sustainable businesses through the ReFi Hub platform. Their platform ensures that loans directly benefit businesses combating climate change, promoting clean energy, and fostering sustainable development. Members vote on fund allocations, targeting goals like Affordable & Clean Energy, Sustainable Consumption, Climate Action, and Life Below Water. The community has 1500 members, funded five projects, and raised \$500k.

Since Coral Tribe focuses on reefs and mangroves due to their environmental impact, they found that reefs host 25% of marine life despite occupying only 1% of the ocean, and mangroves sequester five times more carbon than typical forests. Key projects include Nusa Penida, Indonesia, planting 394 corals with Coral Triangle Centre; Hatamin Island, Indonesia, planting 394 corals with Coral Guardian; Kigamboni, Tanzania, planting 450 mangrove saplings with Treegens; Diani, Kenya, planting 550 mangrove saplings with Treegens; Punta de La Mona, Spain, removing 500 kg of ocean plastic and transplanting 304 corals with Coral Guardian; Eel Garden, Turks & Caicos, planting 550 corals with Turks & Caicos Reef Fund.

## FlowCarbon

Flowcarbon is advancing the voluntary carbon market, currently estimated at \$2 billion, with a goal to scale operations 15 times by 2030 to meet the Paris Agreement targets. Specializing in project finance, development, and credit portfolio services, Flowcarbon uses blockchain to improve liquidity and transparency in carbon markets, directing more capital into conservation, reforestation, and ecosystem restoration projects.



Flowcarbon also supports initiatives like EV charging stations, biochar production, and cleaner cooking solutions in the developing world. Their carbon-backed tokens, each representing a tonne of carbon, are set to transform carbon credit trading and utilization. Recognized as one of America's Top GreenTech Companies in 2024 by TIME and Statista, Flowcarbon is driving significant environmental change through financial innovation.

## Moss

Moss.earth, a Brazilian climate tech company, enhances the speed and accuracy of conservation and reforestation projects in the Amazon. The Moss Platform allows individuals and organizations to purchase MCO2 tokens, a carbon credit token backed by CO2 removed by certified reforestation projects. Moss aims to promote biodiversity conservation and ecosystem restoration by democratizing access to carbon offsetting. The Moss Forest system uses databases, satellite imagery, and scientific studies to accelerate and certify carbon credit projects. This tool automates the identification of optimal forest conservation areas and measures their impact, benefiting smaller properties lacking feasible solutions.

Since 2020, Moss has neutralized over 1 million tons of CO2, invested over \$50 million in socio-environmental projects, and promoted climate change awareness through the Moss Academy. Recognized for its work, Moss has received awards such as "Climate Tech of the Year" at SXSW 2023 and "Best Carbon Offset Platform" at the Green Awards 2022.



## Regen Network

Regen Network is the ecological asset origination system of the Cosmos ecosystem, focusing on reversing climate change and supporting regenerative initiatives. It provides a platform to originate and invest in high-integrity carbon and biodiversity credits from ecological regeneration projects. Regen Network is not just an organization but a community, commons, movement, public blockchain-based protocol, and network. Its components include Regen Network Development, Inc. (RND), Regen Foundation, Regen Ledger, and Cerulean Ventures.



In 2023, the Regen Market app created over 2 million Eco Credits, with more than 588 thousand Carbon Credits retired and backed by climate science. Regen Network has impacted more than 15 million hectares of land in collaboration with ecological project developers worldwide.

## Solarpunk DAO

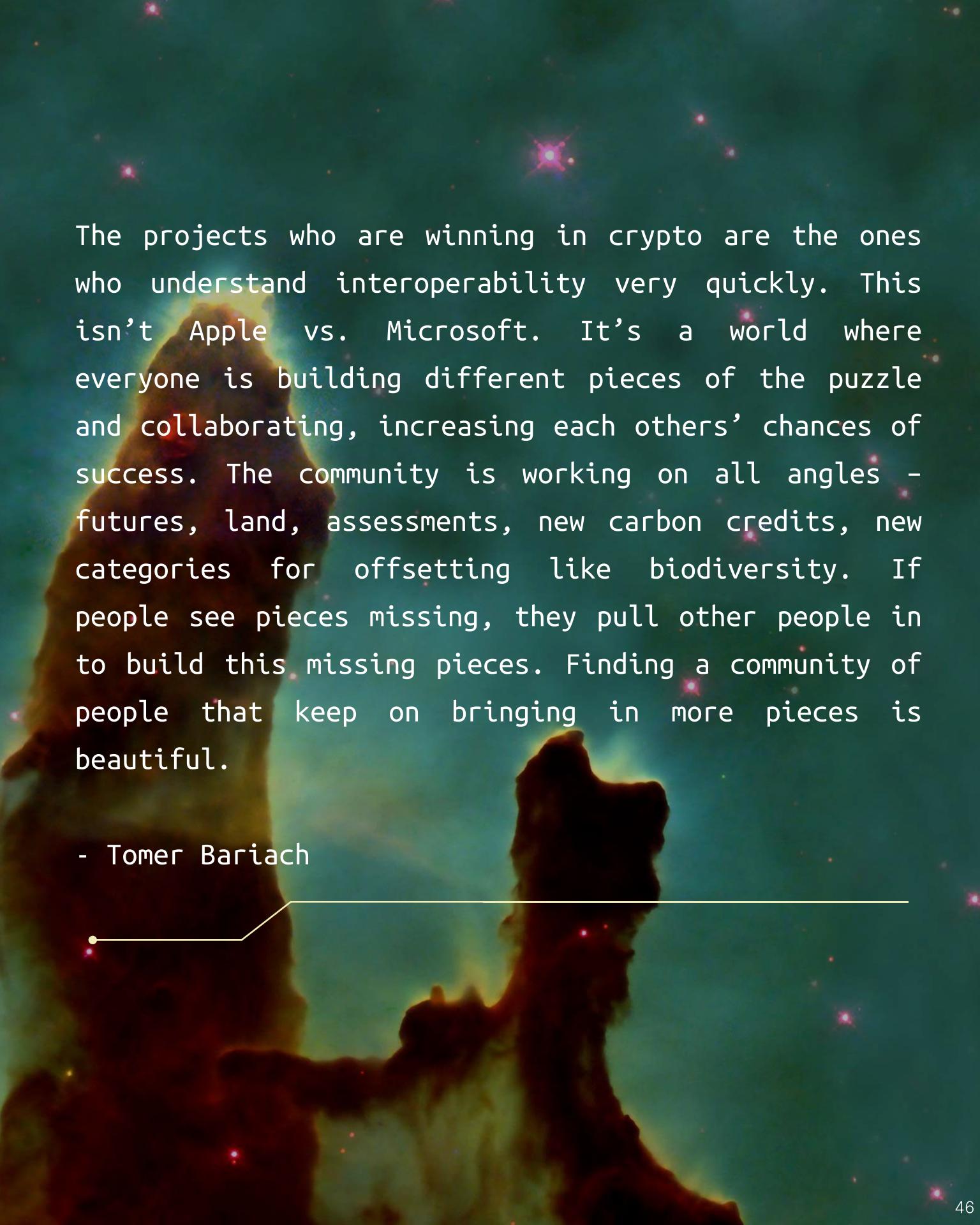
Born from a desire to combat the climate and ecological crisis caused by modern capitalism, Solarpunk DAO leverages Web3 tools to build a decentralized infrastructure for a zero-emissions world. This DAO goes beyond awareness, offering and financing comprehensive solutions to achieve a Solarpunk utopia. Since 2020, they've consistently funded crucial endeavors, providing development funds for clean energy, regenerative agriculture, clean transportation, ecosystem conservation, and climate tech projects.



Solarpunk DAO has funded numerous projects, bolstering the growth of solarpunk infrastructure. It also recognizes and rewards individuals who champion the development of ReFi and the Solarpunk mission itself. Recently, it concluded a QF round, distributing 1000 EARTH tokens to 42 projects. By ensuring that promising projects receive the necessary funds, Solarpunk DAO addresses the financial barriers that often hinder progress on climate action.

# Climate And Environmental REGENeration





The projects who are winning in crypto are the ones who understand interoperability very quickly. This isn't Apple vs. Microsoft. It's a world where everyone is building different pieces of the puzzle and collaborating, increasing each others' chances of success. The community is working on all angles - futures, land, assessments, new carbon credits, new categories for offsetting like biodiversity. If people see pieces missing, they pull other people in to build this missing pieces. Finding a community of people that keep on bringing in more pieces is beautiful.

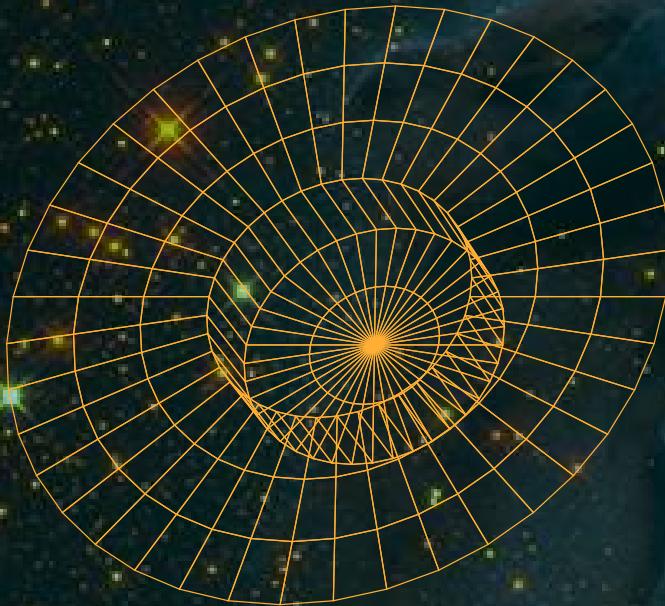
- Tomer Barlach

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# Climate And Environmental REGENERATION

One of the prevailing criticisms of crypto, NFTs and blockchain as a whole is its environmental impact, particularly within proof-of-work systems, which Ethereum no longer uses. While these concerns are valid, they often overshadow how this technology supports holistic approaches to ecosystem restoration, climate change combat, and sustainability enhancement. These networks deserve recognition for their commitment to regenerative practices that actively restore and revitalize our natural systems. Their focus extends beyond slowing climate change; they are dedicated to sustainably regenerating our ecosystems.

Projects, communities, and protocols empower their members to directly influence decisions on various projects, from coral reef restoration to sustainable agriculture through decentralized governance. This approach enhances the transparency of environmental actions like carbon offsetting and ensures these efforts are verifiable and trustworthy.



Moreover, blockchain facilitates collaboration among diverse groups—including NGOs, governments, and local communities—to catalyze systemic change in sustainability practices. These initiatives attract global capital with transparent funding models that actively engage the community. Some platforms are also enhancing the accessibility and reliability of climate data, supporting better environmental risk assessments and planning. Overall, blockchain and crypto are proving to be powerful tools in the fight against climate change, enhancing ecological sustainability through community-driven and transparent methods.

Additionally, these networks foster collaboration, drive innovation, and facilitate systemic change in the ongoing battle against climate change. By uniting diverse stakeholders—from individuals and local communities to businesses and governments—they encourage widespread participation in regenerative practices and contribute to a collective vision of a sustainable future.

## Solar Foundation

Established in October 2022 by Jon Ruth and Coleen Chase, the Solar Foundation funds and accelerates off-grid solar initiatives in underserved communities in emerging markets. Focused on achieving Sustainable Development Goal 7 (SDG7), they collaborate with individuals and NGOs to leverage blockchain to scale solar projects in rural areas. The foundation implements pilot programs and sustainable funding models to empower communities with clean energy and ownership stakes in the solutions deployed.

Since its inception, the foundation has funded projects in Uganda, Puerto Rico, and Nigeria, providing solar lights, mobile solar generators, and solar power for schools and computer labs. They focus on supporting community-led NGOs such as schools, healthcare centers, and agroforestry organizations, ensuring clean, reliable energy for rural, low-income communities.



The Solar Foundation advances equitable access to affordable solar energy and storage, including microgrids, by developing transparent, open-source funding models and focusing on the needs of women and youth. They raise funds through donations, including cryptocurrency and quadratic funding.

## Mangrove DAO

MangroveDAO is dedicated to restoring and protecting degraded mangroves in Myanmar and globally through a token-based governance model. Its mission is to promote biodiversity, combat climate change, and support coastal communities by transparently and efficiently financing, governing, and monitoring mangrove restoration projects. MangroveDAO leverages blockchain technology to ensure transparent fund utilization, equitable governance, and independent project monitoring.



Launched in 2021, MangroveDAO has significantly impacted the mangrove restoration community by granting over \$100,000 in subsidies, helping restore more than 100 hectares of degraded mangroves, and raising awareness about the importance of mangroves.

## MaEarth



Ma Earth is a community-led movement to align economic incentives with planetary health and regeneration. Through an interview series on YouTube, Spotify, and Apple, MaEarth explores the intersections of regenerative finance, technology, and the Earth. Ma Earth also successfully completed its first grant round through Gitcoin, putting up a \$100,000 matching pool for 23 regenerative land projects. It is exploring Hypercerts, leading MRV providers, and other regenerative finance tools to streamline impact measurement for grantees and donors.

## MesoReefDAO

MesoReefDAO also plans to establish a coral reef restoration fund, managed by the DAO community and open to contributions from anyone passionate about preserving the Mesoamerican Reef Ecosystem. Partnering with local communities, NGOs, and industry stakeholders, it aims to develop a comprehensive restoration plan that includes regenerative practices to restore coral habitats, improve water quality, reduce pollution, and support reef recovery.

One of MesoReefDAO's key initiatives is the development of a regenerative DeSci offset program. This program incentivizes individuals and organizations to reduce their carbon footprint while contributing to MAR conservation efforts. The carbon offset credits generated through this program will be tradable on the blockchain, creating a transparent and traceable market that provides tangible benefits to the environment.

Another crucial aspect of MesoReefDAO's mission is the establishment of a coral reef restoration fund. The DAO's community will manage the fund, which will be open to contributions from anyone passionate about supporting the conservation and restoration of the Mesoamerican Reef Ecosystem.



## Web3Beach

By incentivizing environmental impact and web3 education, Web3Beach empowers communities to tackle environmental issues and foster regenerative practices. Their aim is to empower these communities through participation in social and environmental impact activities, such as beach cleanups, educational tutoring for youth, art classes, and other recreational initiatives. Web3Beach has been organizing weekly beach clean-ups, dives against debris, and coral restoration projects for over six years in Honduras. They believe these communities have the most to gain from crypto and are also willing to take action to regenerate their communities.



Web3beach has expanded its operations to Venezuela, Nicaragua, Guatemala, Japan, and Colombia and will soon begin operations in Kenya.

## Nori



Founded in 2017, Nori is dedicated to scaling carbon removal to reverse climate change. They have built an integrated carbon removal issuing program, registry, and marketplace to simplify the complex market and enhance buyers' and sellers' transparency, trust, efficiency, and impact. Nori's methodologies are developed collaboratively with experts and undergo public review. Additionally, they use third-party tools to validate credit impact claims and an open registry that prevents double counting.

In 2024, Nori is on track to support over 400k acres of regenerative farmland, pay over \$6.5M to suppliers, and reach over 700k tonnes of carbon removed from the atmosphere. They also make it easy for businesses to drive positive climate impact by giving them access to verified carbon removal credits that support regenerative farmers in the US, help scale the technology underpinning promising durable solutions, and can be integrated directly into products. This is accomplished through Nori Net Zero Tonne™, a hybrid credit combining regenerative and permanent carbon removal and their Carbon Removal API, enabling businesses to integrate climate impact into websites and apps.

## dClimate

dClimate is the first DAO for climate data, forecasts, and models. Its mission is to create a reliable, blockchain-based climate record. The main feature of dClimate's ecosystem is a data marketplace that connects publishers and data consumers in a user-friendly platform. This marketplace makes climate data more accessible and reliable. The ecosystem also includes layers for analytics and forecasts, turning raw data into insights essential for climate risk planning and assessment. Additionally, it supports applications and products, such as parametric insurance, already being built by companies like Arbol.



Founded in 2021, dClimate has achieved significant milestones. In July, they launched Aegis, a physical climate risk assessment platform that conducts assessments for major tourism, hospitality, retail, and real estate entities. During the 28th Conference of Parties (COP28) in Dubai in December, dClimate signed a memorandum of understanding (MoU) with the DRC. This agreement focuses on identifying and protecting vulnerable areas of the Congo Basin rainforest and peatlands, using advanced monitoring for conservation initiatives.

## Regró Project



Regró is a regenerative initiative active in six countries, including Italy, Croatia, Kenya, Germany, Brazil, and the Italian Alps. This project is focused on climate, ecology, agriculture, biodiversity, and everything related to land and the ecosystem. Deriving its name from two words, “regenerative” and “growers,” regroers are users who steward the land they own, rent, or have access to by sharing knowledge, protecting the land, and restoring ecosystems from intensive agriculture and pollution.

Regró collaborates with other Web3-based and Regen protocols to address value chain challenges in agriculture, biodiversity protection, etc., and aims to enhance land stewardship through regenerative techniques. These techniques could include solar energy utilization, water management, permaculture gardens, forest orchards, soil protection, crop growing, and other sustainable practices.



Built to create a hyperstructure for climate and nature,.basin is a protocol purpose-built to safeguard ecosystems and natural carbon sinks. Its goal is to redirect 10% of the \$1.3 trillion real-world asset (RWA) market towards climate, nature, and carbon projects in crypto to scale climate and nature financing. This project is creating a blockchain-based real estate investment class to attract global capital.

Rather than relying on conventional, narrow valuations,.basin utilizes the “REvalue” methodology to delve into the holistic value and cost of RWAs, assess the higher and better use of real estate, quantify their value, and account for all of them. It also uses REcerts (also known as \$STRMS), which are impact certificates and carbon/biodiversity credits that represent impact, value flows, and collective stakes created by members for each other and society and tied to specific locations. In the end,.basin is a community of regens that utilizes its infrastructure, shared liquidity, and the network effect of integrations to create net benefits for everyone.

## Agroforest DAO



Agroforest DAO, based in Lima Duarte, MG, Brazil, is an agricultural project using blockchain and NFTs to promote sustainable agroforestry practices and community ownership of food systems. The organization is working on a number of projects focused on equity in forest land allocation, hillside farming systems, and piloting income-generating opportunities for community contributors and environmental services. Agroforest is also establishing village forestry management boards and encouraging households and community groups to apply for forest land use rights. Connecting urban consumers with land stewards advances long-term wealth for the participants and stimulates additional food forest investments.

The various projects are aligned with the goals of supporting poor upland farmers in developing countries and advancing gender equality by providing opportunities for women. Additionally, the mechanisms in place nurture long-term commons like education, training, and knowledge building. In its two years of operation, the DAO has demonstrated remarkable proof of agroforestry, collaborated with organizations like the Center for International Forestry Research (CIFOR) and the Global Landscapes Forum, incentivized contributors with non-transferable hypercerts, and achieved grant rounds in Gitcoin and Giveth.

## Treegens

Treegens aims to establish a new way to help the environment by planting and caring for trees. Its mission is to create a reliable platform for funding tree-planting initiatives. The nonprofit tree-planting project gamifies the system, allowing users to earn \$MGRO and DSST (dynamic semi-soulbound) tokens by planting mangrove trees and leveling up through increased participation.



Treegens is dedicated to building a global community of people committed to environmental conservation. Its online educational courses and sensitization programs empower people to take action and positively impact their communities. Treegens has made a reputable impact, planting over one million mangrove trees globally in less than nine months and breaking the world record for the most trees planted in 24 hours.

## Earthist DAO

The Earthist DAO combines traditional farming practices with modern technology to support industrial hemp farmers. Establishing micro-processing centers and promoting heirloom seed preservation aims to create a future where hemp is both healthy and accessible to everyone. The organization's mission is to foster a collaborative community that encourages education and knowledge-sharing in regenerative industrial hemp farming, heirloom seed preservation, and micro-processing to boost local economies and promote sustainable practices in local agriculture.

Established in 2019, the DAO has achieved numerous milestones. It prioritizes seed sovereignty, ensuring that farmers have autonomous control over their seeds, and has raised awareness about hemp's potential and environmental benefits through "Hempducation" initiatives, particularly in communities within the Republic of Turkey. In 2022, it created its first seed bank, secured a funding grant from Gitcoin, and gained support from organizations like BanklessDAO.



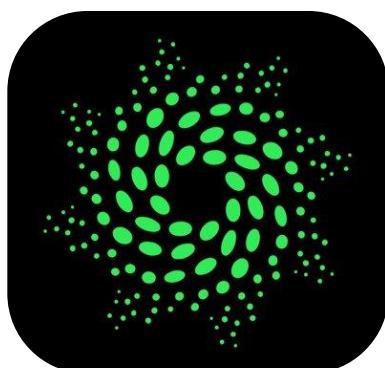


## Traditional Dream Factory

Traditional Dream Factory (TDF) is turning real estate into an opportunity for ecological restoration and community stewardship within the OASA network. Their project aims to conserve 100,000 hectares globally, utilizing a co-living model where residents, guests, and volunteers can engage directly in environmental regeneration. TDF combines modern living with sustainable practices, featuring facilities like farms, maker spaces, and co-working areas designed to optimize resource use and foster a vibrant, creative community.

Since its inception in September 2021, TDF has planted over 2,000 trees, established a productive food forest and market garden that supports over 30 people, and has plans to expand its green footprint significantly. Future initiatives include planting 10,000 fruit trees, developing water retention landscapes, and starting biochar production for improved soil fertility and carbon capture. Recognized as one of the world's top regenerative villages, TDF provides a sustainable living model and involves its community in governance through the TDF token, ensuring that those invested in the project have a voice in its development and stewardship.

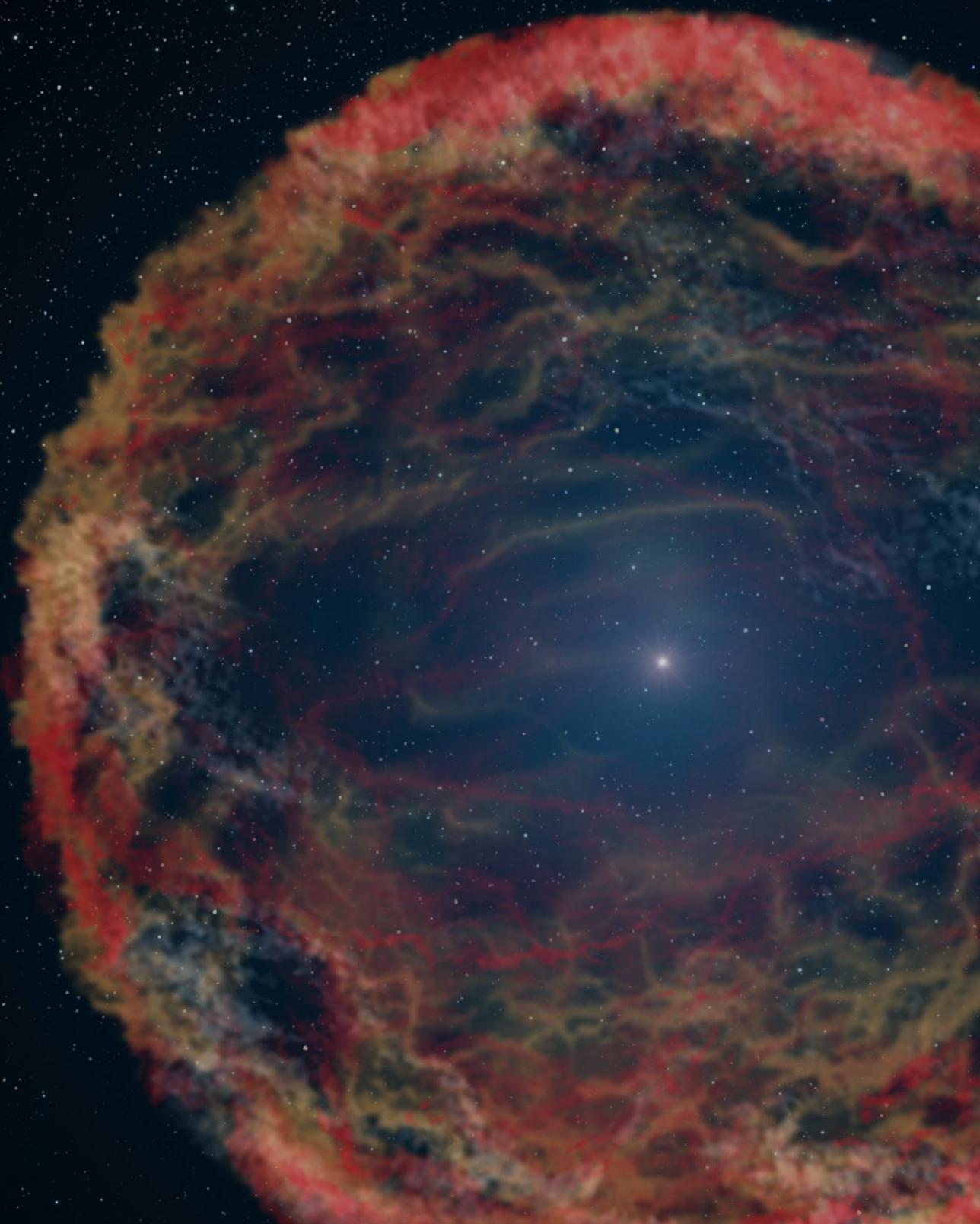
## LetsGrow DAO



Let's Grow DAO drives the Regen and ReFi movements by fostering regenerative practices and unifying diverse efforts within the ecosystem. They partner with organizations to innovate and develop new technologies that benefit the web3 ecosystem. Emphasizing open governance and community participation, Let's Grow DAO actively engages in networking through events. They support projects with positive environmental impacts and advocate for sustainability and ethical standards in web3. This year, they plan to conduct a Quadratic Funding round to further their mission of creating positive impacts through crypto and blockchain technologies.



# Culture



These culture-focused communities and projects leverage blockchain principles to drive meaningful social change and foster creativity, community, and collaboration. By enabling decentralized governance, transparent funding, and innovative technology use, they redefine how we engage with and support cultural and social initiatives.

-Lana Dingwall

# Culture

As the onchain ecosystem evolves, it's reshaping finance and redefining our cultural experiences. Blockchain fundamentally transforms how niche communities, united by specific interests or backgrounds, engage and thrive. Culture is essential for shaping individual and collective identity, fostering social cohesion, preserving heritage, stimulating creativity, providing moral guidance, driving economic prosperity, supporting emotional well-being, and enriching education. It enhances our lives, fortifying the fabric of society. Communities that develop these culture-focused networks are invaluable for improving community life, promoting diversity, and advancing both social and economic progress.

Projects building onchain enable the creation and widespread distribution of digital art, fostering collaborative environments where artists and collectors connect and grow. Some initiatives build global networks for digital nomads, offering sustainable living and working spaces that promote decentralized governance and connection with nature.

Others empower individuals to challenge centralization, financing projects that drive political reform, economic redistribution, social justice, or technological decentralization. These platforms provide resources for like-minded individuals to support causes that challenge existing power structures.



Community-driven efforts also channel crypto donations to support crisis victims, using innovative methods like NFT auctions for rapid and impactful aid distribution. Additionally, some networks create community-owned living and working spaces, managed through NFT ownership and voting rights, fostering environmentally conscious travel and sustainable living.

Moreover, some of these communities focus on advancing fields like physics and cosmology through pooled resources and tokenized membership governance, while others empower underrepresented voices in culture-making, fostering genuine creative expression and community both online and offline.

Innovative tokenomics models support public goods and charitable initiatives, funding projects from open-source software development to educational programs. Through community-driven moderation, these spaces foster safe environments for cultural exploration and dialogue, promoting mutual respect and understanding among members.

## DRiP

DRiP enables the inexpensive creation and widespread distribution of digital art to users for free. It is a platform for new creators to explore their artistic talents and allows art enthusiasts to get digital collectibles from their favorite creators at no cost. The DRiP community encourages collaboration and communal growth, allowing artists to give and receive feedback on their pieces while forming friendships with fellow creators. Furthermore, DRiP provides an inclusive environment for art lovers enthralled with the beauty of digital art to connect. Since its inception in 2022, DRiP has recorded the minting of 100M collectibles on its platform, 4M sales in the secondary markets, and the onboarding of 500k collectors.



## Cabin DAO

Cabin DAO is constructing a global network city where citizens from around the world gather to live, create, and commune with nature. The DAO aims to foster spontaneous in-person collaborations among a varied online community, innovate sustainable funding models for supporting the living costs of independent online creators, and explore the application of decentralized governance in coordinating physical living infrastructure. Since 2020, the DAO has supported digital nomads through their supper and neighborhood hangouts to form close bonds and enjoy nature's tranquility with a community focused on living amidst nature.



The Ukraine DAO, a community of Ukrainians united by their opposition to the unprovoked Russian invasion, has been instrumental in channeling crypto donations to Ukrainian organizations supporting war victims. Since its launch in February 2022, the DAO has achieved remarkable success. It raised over US\$7 million in ETH in its first week by auctioning a Ukraine flag NFT. These funds were quickly distributed to local Ukrainian organizations providing aid to those affected by the conflict. The DAO plays a crucial role in directing donations to these organizations.



KiftDAO

KiftDAO is a nonprofit DAO that is creating a global network of community-owned living and working spaces. This DAO allows individuals to purchase NFTs that grant them ownership and voting rights in the properties run by the organization.

This community of nomads believes in traveling and moving in an environmentally conservative manner. The community proposes and votes on which properties to acquire and how to manage them. Members can stay at any of the properties and connect with others with similar interests. Kift DAO promotes a global network of living and working spaces and flexible and innovative ways to create community-driven spaces for those who love nature traveling.



## Take Up Space

Take Up Space is a community, creator collective, and media company designed for culture-makers –creatives, writers, storytellers, curators, and tastemakers. Born from the new internet, it envisions a future where individuals can create and monetize their most authentic work, nurturing their truth rather than the algorithm. By empowering creatives through media and community experiences in real life, online, and onchain, Take Up Space provides the support and space needed to unlock true creativity. It fosters connections, networking, learning, and inspiration among like-minded individuals, creating opportunities for POC and queer voices to thrive and express their most authentic selves. This initiative addresses the lack of true community in today's online world, offering a vibrant space for culture-makers to unite and flourish.

## Public Nouns

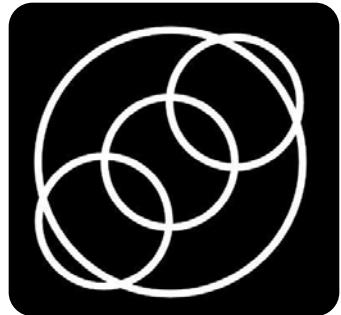
Public Nouns DAO is recognized for its unique approach to governance, tokenomics, and community-driven art and philanthropy projects. Community members holding governance tokens make decisions about the project's direction, funding, and activities, ensuring transparency and community involvement. The DAO employs a novel tokenomics model where new Nouns (digital art pieces represented as NFTs) are generated and auctioned daily. The proceeds from these auctions sustain the project financially and foster continuous community engagement. Public Nouns DAO is part of the larger Nouns ecosystem, known for its distinct pixelated characters, which have become a cultural phenomenon in NFT and crypto communities.

The mission of Public Nouns DAO is to support public goods by experimenting with new funding methods, spreading awareness, and directly funding public goods, creators, and public goods mechanisms. A significant portion of the funds raised through Noun auctions is allocated to support public goods and charitable initiatives, including grants for open-source software development, educational programs, and other philanthropic efforts.



## SpiritDAO

SpiritDAO is a non-profit tokenized membership community aiming to build an action-oriented community of practitioners and partners working towards a relational universe. Its vision is to create a better world where individuals share a deep understanding of the interconnectedness of all things and a global network of like-minded individuals who share a passion for understanding the universe and our place within it.



This community pools resources, knowledge, and expertise to speed up the advancement of physics and cosmology and how it pertains to community care. With its tokenized membership, SpiritDAO offers and ensures a framework for community governance, joint decision-making, and resource allocation.

## Cult DAO



Cult DAO is for radicals and revolutionaries who are frustrated with and actively oppose the tyranny, oppression, and class divide caused by centralization in today's world. Through the CULT token, the DAO seeks to empower and finance individuals who construct and contribute to a fully decentralized future, breaking free from current societal and economic norms. Cult DAO also provides a decentralized platform for like-minded individuals to pool resources and fund projects that challenge centralized power structures, such as projects encouraging political reform, economic redistribution, social justice, and technological decentralization.

# Education



The beauty of crypto is that anyone can invest in it. When I wanted to invest in Ethereum back in 2017, nobody could tell me "no." But there is still a barrier to entry: knowledge.

I had to buckle up and learn a brand new financial ecosystem in 2019. My motivation? I was left out of the classic financial system. It was its own community of bankers, with its own language and shared history. I wasn't a part of it.

With crypto and decentralized finance , I saw a brand new opportunity to engage with the future of currency.

-Maggie Love

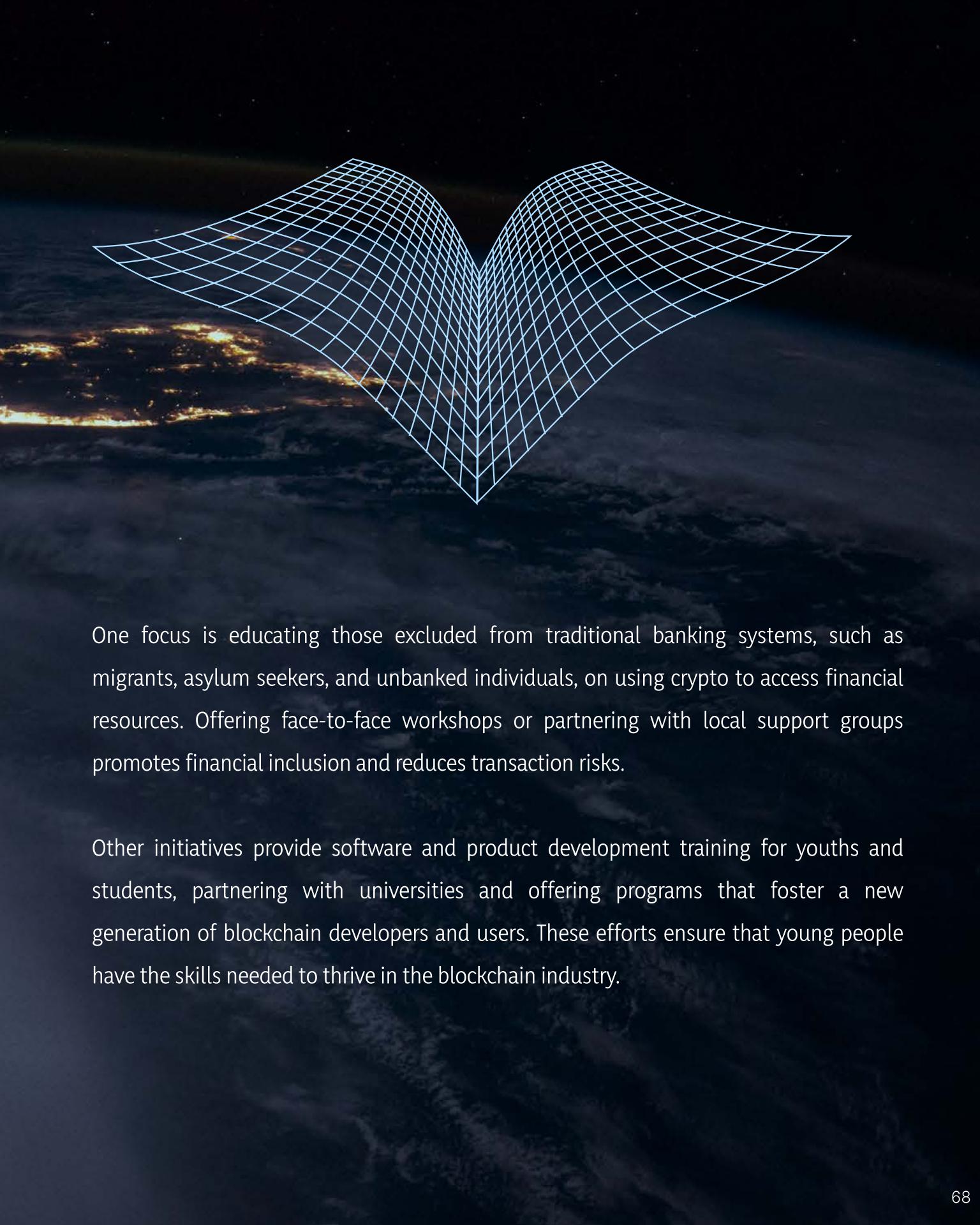




## Education

Education is crucial in the blockchain ecosystem, as there is an initial technological and philosophical barrier to understanding even the basic concepts, let alone the intricacies and nuances. It can remain an inaccessible enigma without proper explanations, tools, and learning opportunities. Education-focused networks help bridge this knowledge gap, fostering greater diversity and inclusion within the ecosystem.

To build a more positive-sum world, ensuring that as many people as possible can understand, access, and participate in its creation is essential. By providing educational resources, these networks empower individuals from all backgrounds globally to utilize blockchain in multifaceted ways.



One focus is educating those excluded from traditional banking systems, such as migrants, asylum seekers, and unbanked individuals, on using crypto to access financial resources. Offering face-to-face workshops or partnering with local support groups promotes financial inclusion and reduces transaction risks.

Other initiatives provide software and product development training for youths and students, partnering with universities and offering programs that foster a new generation of blockchain developers and users. These efforts ensure that young people have the skills needed to thrive in the blockchain industry.

## SheFi

SheFi is a hands-on educational 8-week program known as the MBA of Web3 Learning, empowering women and non-binary folks globally to master Web3 technologies, reinvent their careers, and shape the future of the digital economy. With a community of over 3,000 students from 90+ countries, SheFi offers a comprehensive education through live and recorded classes, fostering values of openness, kindness, inclusion, interdependence, and collaboration.



This launchpad for Web3 careers includes 70+ hours of content, live product demos, quests, IRL summits, and how-to guides, driving experimentation and global connectivity in the onchain space. With 11 seasons of cohorts under their belt, SheFi is a leading onboarding and education-focused community driving meaningful adoption of blockchain technology.

## Remitt DAO



Established in 2022, Remitt DAO is an education DAO created for individuals excluded from traditional banking systems (e.g., migrants, asylum seekers, etc.), educating them on using crypto as a digital remittance solution. Remitt DAO's activities include coordinating with local migrant support groups, NGOs, & social impact DAOs in the region, providing F2F learning workshops, and promoting Web3 culture among those in developing nations. Through crypto education, Remitt DAO has provided financial inclusion for individuals marginalized by traditional banking systems, reducing the expenses and risks of engaging with conventional non-banking financial frameworks for transactions.

## CARBON Copy



Recognized for thoroughly covering ReFi-related topics, CARBON Copy offers reports, expert analysis, and industry insights. Its mission is to fill the information gap in the ReFi space by providing a blend of news, education, and project evaluation. This comprehensive approach helps industry stakeholders gain a deeper understanding of the field, increasing project exposure and, ultimately, contributing to the growth and success of the Impact sector.

## Bankless DAO

Founded in May 2021 by the team behind the Bankless podcast and now run by a decentralized community, Bankless DAO aims to create a transparent, open, and accessible financial system, bypassing traditional banking structures. Their motto, “Go Bankless,” promotes using decentralized protocols and services to manage wealth without intermediaries.

Bankless DAO focuses on creating educational content, community-driven projects, and strategic partnerships to make DeFi and blockchain more approachable. They have launched numerous educational programs, including newsletters, podcasts, and workshops, reaching over 150,000 subscribers and onboarding thousands of new DeFi users. The DAO funds and supports various projects through grants and collaborations, such as creating DeFi-native tools and platforms that enhance user experience and security. Through these initiatives, Bankless DAO has established itself as a pivotal player in DeFi and Blockchain education, driving significant progress towards a more inclusive and decentralized financial future.





## The GreenPill Network

The GreenPill Network is a network society that exports regenerative digital infrastructure globally, starting from Kevin Owocki's book "GreenPilled" and the GreenPill podcast. With location-based chapters globally, the network localizes impact through projects like reforestation efforts, QF funding rounds for non-profits, onboarding workshops, and more. The GPN community helps fund public good projects within the ecosystem through community QF rounds and local chapter rounds. Guilds within the network produce regenerative products and educational materials to onboard new users and transform current web3 participants into advocates for regeneration. This includes researching, writing, and producing this ImpactNetwork book! GPN is focused on a multi-faceted approach to help promote sustainable and regenerative web3 solutions. Learn more about us at [greenpill.network](http://greenpill.network).



## RegensUnite

Regens Unite has developed a platform to connect diverse sectors working on regenerative climate solutions, emphasizing a deep connection with nature and conscious environmental impact. It organizes inclusive, participatory events where diversity and equality are prioritized, ensuring all voices are heard and respected. Providing facilitation, programming services, and educational materials to support a growing network of professionals. Events held by Regens Unite are designed to cross-pollinate ideas among individuals from various regenerative backgrounds, fostering relationships beyond traditional labels. Post-event, they focus on enhancing the local community and environment, utilizing resources thoughtfully. Regens Unite's impact lies in its ability to integrate environmental sustainability with community building, educational outreach, and the promotion of diversity, thereby enriching the ecosystem of climate action and fostering a regenerative culture.



Urbánika aims to transform cities into SolarPunk communities with smart, regenerative, peer-governed, circular economies that support positive impact. To bring their vision to life, they converted a 12-meter-long bus into a functional climate-positive house that filters its water, generates electricity from the sun and wind, turns plastics and refuse oil into diesel, and grows food using regenerative technologies.

The bus will travel to over 20 cities across seven Latin American countries, offering educational workshops, job fairs, and creative events. This five-year research process will help communities transform into DAOs using open-source web3 technology to rediscover the commons. The project will produce instructional videos, manuals, software, and an IRL interface to facilitate neighborhood governance.

## Talent DAO



TalentDAO is on a mission to enhance the effectiveness of decentralized organizational structures. This group of organizational specialists firmly believes that community ownership is key to greater inclusivity, operational efficiency, and fair contributor compensation. However, teams have unique goals and members, so while decentralization can be a major unlock, it is not a one-size-fits-all concept.

TalentDAO supports the growth of the web3 space by conducting and publishing research in the Journal of Decentralized Work, an open platform for scientific literature on DAO health and management. Educational resources and workshops provide insights from community-reviewed publications to improve the general public's understanding of the benefits of decentralized organizations. To further their vision, TalentDAO develops tools for managing talent and measuring both contributions and the health of organizations. These tools, including the DAO Health Survey and Soulbound Tokens, help foster a collaborative environment that supports sustainable growth and innovation.



## Bloom Network

The Bloom Network is a member-owned and governed cooperative that connects volunteers and entrepreneurs to grow projects that benefit local communities. Bloom combines elements of Facebook and LinkedIn with local media feeds, where members share resources, discuss complex societal issues like climate change and inequality, and collaborate on a more positive and deeper level than mainstream platforms typically enable. The decentralized and transparent governance structure exists to efficiently fund innovative and socially impactful projects.

Founded in 2020, the social network for regenerative culture currently has 28 nodes in 11 countries and has supported over 100 projects that nurture community prosperity and beauty. Bloom acts as a community incubator by providing templates and education about business development, communications, grant writing, community organizing, and more. The Cooperative is exploring revenue streams and a community currency model where members receive year-end dividends from the action rewards pool and Bloom Coop profits.



Powered by Civics Unplugged, Dream DAO invests in the future of the web3 and social impact ecosystems by equipping diverse Gen Z'ers worldwide with essential training, funding, mentorship, and opportunities. It fosters an intergenerational learning community for 15-20-year-olds eager to shape the future of web3 and social impact, offering 1:1 mentorship and meaningful paid internships at socially impactful web3 organizations. The Dream DAO Explorers Program, a three-month internship launched in mid-June 2022, placed participants in organizations like Celo, Regen Network, and dOrg, where they produced monthly knowledge artifacts.

## Web3bridge

Web3bridge, just like the name implies, provides a free bridge to blockchain technology for Nigerian and African youths and students. Education is the main vision of Web3bridge. They partnered with and supported 14 University blockchain clubs in Nigeria, such as BlockchainUNN and other Web3 training programs across Africa. They drive blockchain adoption through quality builder training and support such as Web2 & Web3 training cohorts, product incubation, ecosystem/protocol research, and open-source contributions to chains and hackathons.



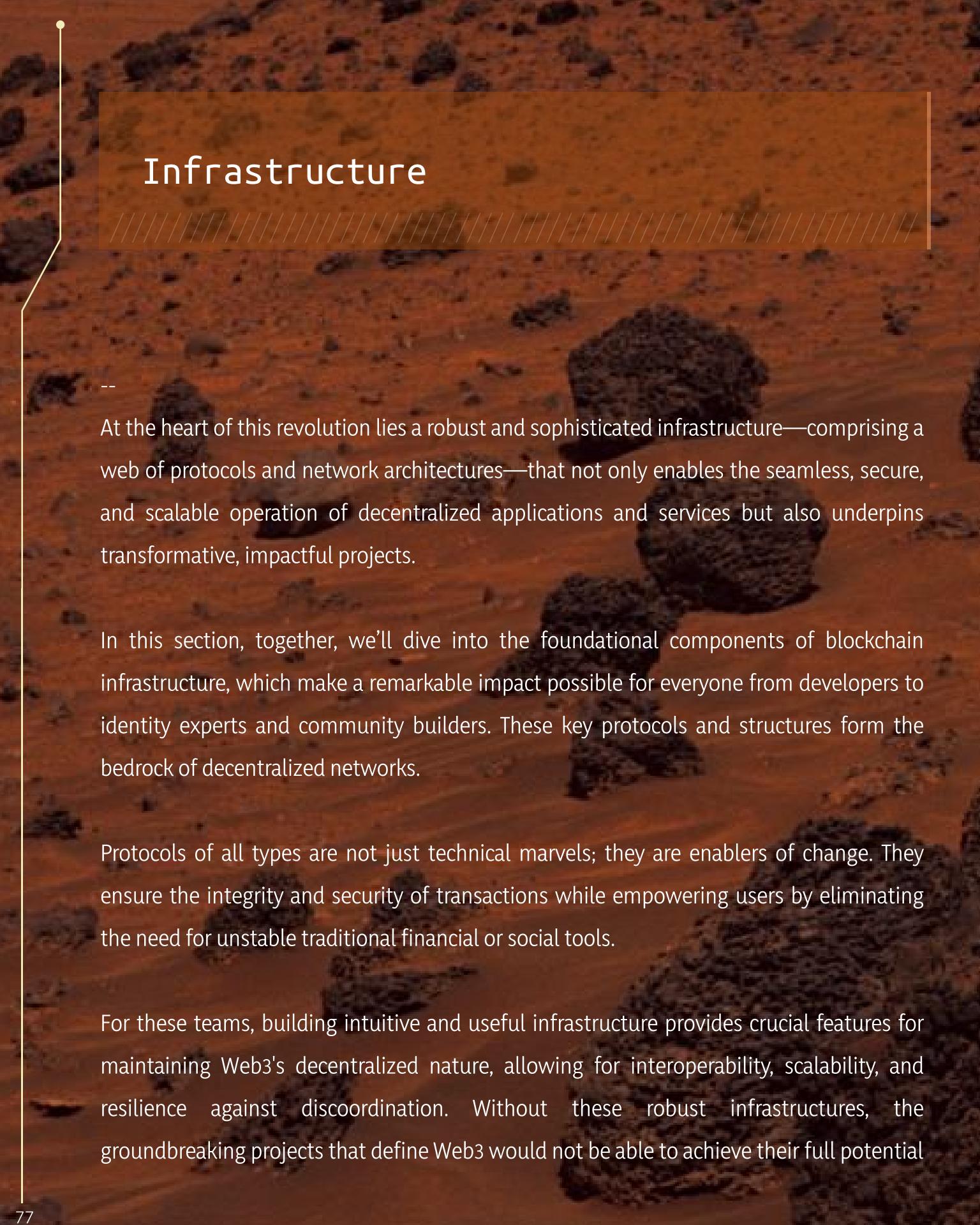
# Infrastructure





Open-source development is the key to community-driven innovation.

- Vitalik Buterin



# Infrastructure

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At the heart of this revolution lies a robust and sophisticated infrastructure—comprising a web of protocols and network architectures—that not only enables the seamless, secure, and scalable operation of decentralized applications and services but also underpins transformative, impactful projects.

In this section, together, we'll dive into the foundational components of blockchain infrastructure, which make a remarkable impact possible for everyone from developers to identity experts and community builders. These key protocols and structures form the bedrock of decentralized networks.

Protocols of all types are not just technical marvels; they are enablers of change. They ensure the integrity and security of transactions while empowering users by eliminating the need for unstable traditional financial or social tools.

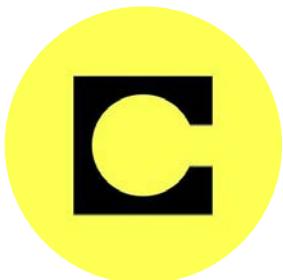
For these teams, building intuitive and useful infrastructure provides crucial features for maintaining Web3's decentralized nature, allowing for interoperability, scalability, and resilience against discoordination. Without these robust infrastructures, the groundbreaking projects that define Web3 would not be able to achieve their full potential.



Consider the impact of ReFI, NFTs, and DAOs: innovations like these have shaped the public goods sector as a whole, democratizing access to resources, empowering creators, and enabling new forms of governance and collaboration. Without meticulous design and implementation of stable infrastructure, blockchain's most credible use cases would remain an unrealized dream.

As we navigate the technical landscapes driving many new public goods sectors, we uncover how to better support decentralized applications and their profound impacts—fostering economic inclusion, enhancing transparency, and promoting greater equity in the digital world.

## Celo



Celo stands out as a carbon-negative, mobile-first blockchain that brings decentralized financial (DeFi) tools and services to mobile users. This unique approach enables access to financial services for the unbanked and underbanked populations, fostering greater financial inclusion globally. Since its launch in 2020, the Celo mainnet has facilitated over 226 million transactions across over 22 million unique wallets in 150+ countries, supporting over 1000 projects. Furthermore, Celo launched DeFi for the People, a \$100 million initiative to make DeFi accessible to all phone users worldwide. In 2022 alone, Celo committed to 235 grants worth \$72.6 million, with grant recipients spanning 51 countries. These grants have had a tangible impact in supporting projects that address social and ecological challenges.

Additionally, Celo launched the Climate Collective to leverage digital technology for scalable nature and climate action. Their grant program has accelerated over 30 regenerative web3 applications, while the Web3 x Climate Map outlines the projects and infrastructure building out the refi space. The Climate Collective has since allocated \$4M in grant funding to facilitate over 58 climate projects across 19 countries. They also launched Celosphere and Celo Creators Fund in 2024 to provide an outlet for artists within the Celo ecosystem.

## Proof of Humanity

Proof of Humanity (PoH) is an Ethereum social identity verification system that utilizes webs of trust, reverse Turing tests, and dispute resolution to create a Sybil-proof list of humans. Individuals who want to join the registry submit personal information for verification. Existing members can vouch for new registrants, guaranteeing their existence and uniqueness. Suspicious submissions can be challenged, with disputes resolved through a compliant system like Kleros (an open source online dispute resolution protocol). PoH serves as an entry point for applications requiring Sybil resistance, offering features like profile creation, vouching for known individuals, and challenging suspicious users.



## Protocol Labs

Founded in 2014 by Juan Benet, Protocol Labs is an open-source research, development, and deployment laboratory that connects organizations across various technological fields such as web3, AI, AR, VR, BCI, and hardware. It is an innovation network dedicated to advancing breakthroughs in computing to propel humanity forward, with over 600 members, including tech startups, funds, accelerators, foundations, and open-source projects. Collaboration within the network facilitates problem-solving, knowledge sharing, and resource allocation, accelerating the R&D process. Protocol Labs, with a team of more than 100 members, aims to improve human existence by orders of magnitude through technology.



## Tornado Cash



Tornado Cash is a fully decentralized protocol for private transactions on Ethereum. It enables permissionless, shielded transactions without custodial risks, using zero-knowledge cryptography to maintain privacy and security. Due to Ethereum's network design, the protocol is immutable and cannot be tampered with. Tornado Cash utilizes "anonymity pools," which relay funds and disguise them among random deposits, enhancing privacy. The longer funds remain deposited, the more transactions occur, and the harder it becomes to trace the source without specialized analysis software. Despite accusations, the community maintains that Tornado Cash is a tool for private Ethereum transactions, essential to preserving freedom. Tornado Cash was developed with the belief that financial privacy is essential, but it faced significant challenges in 2022. On August 8, 2022, the U.S. government sanctioned Tornado Cash, making it illegal for U.S. citizens to interact with the protocol or governance contracts.

## Molecule



Molecule is an Ethereum-based biotechnology research protocol, marketplace, and launchpad to democratize access to IP and invigorate scientific discovery. Since its inception in 2022, Molecule has invented the hybrid legal-smart contract IP-NFT, which tokenizes research project legal rights, data access, and economics. The Marketplace helps researchers and funders agree on concrete research proposal deals. Additional volume is driven by the BioDAO launchpad, where patients, researchers, and supporters can coordinate to fund research in specific areas and govern the IP. This can help fill traditional funding gaps and capture the unique perspective and knowledge of the crowd.

## Optimism Collective

The Optimism Collective is a collaborative effort involving companies, communities, and individuals to reward public goods and build a sustainable future for Ethereum. Known for its innovative approach, the Collective seeks to demonstrate that public goods can be profitable, adhering to the principle "Impact = Profit." They implement a retroactive public goods funding model, now known as "public goods funding," to support projects and communities that contribute to the common good of the network. Their mission is to create a new internet that benefits everyone and is owned by no one. To date, the Collective has allocated 850M OP to Retro Funding. This year they also ran the largest online global art contest with 1.2M OP in prizes.



The Collective focuses on several key initiatives to achieve its goals. These include developing decentralized infrastructure and leading digital democratic governance through the Token House and Citizens' House. Additionally, the Superchain is an interconnected network of blockchains supported by and designed to distribute power more evenly. The Optimism Collective fosters a collaborative, innovative environment by supporting open-source projects and providing legal and operational support.

## Ethereum Attestation Service

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The Ethereum Attestation Service (EAS) is a public infrastructure that enables the creation and verification of onchain and offchain attestations. By unifying the fragmented state of digital identity, this brings more clarity and trust to communities all over.



Committed to being a public good, EAS emphasizes its open-source, permissionless, and tokenless nature to ensure neutrality and integrity in the attestation ecosystem. It focuses on value creation over value extraction, prioritizing impact over profit. Through their open-source model and unrestricted access to tools and knowledge, EAS empowers developers and entities to evolve existing projects and create novel solutions that amplify collaboration and collective success.

## Solidity

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Solidity is a Turing-complete programming language for writing smart contracts on the Ethereum Virtual Machine (EVM). It is open-source and governed by a core team sponsored by the Ethereum Foundation, with contributions from the broader community through GitHub commits and bug reports. Released in 2015, Solidity is still under development, growing and evolving alongside Ethereum. Initially prioritizing ease of use, the team increasingly focuses on enhancing security and reducing vulnerabilities.



## LexDAO

LexDAO is a club of legal engineering professionals dedicated to bringing legal frameworks into code and making coded agreements accessible. They aim to develop and promote legal methods and blockchain protocols that secure rules and promises with code instead of trust. They train certified legal engineers and build certified blockchain applications, focusing on "Code is Law" applications that embed legal theory into smart contracts and networks.

Since 2019, LexDAO has undertaken various projects to lower legal service costs through automation, enhance human collaboration, and reduce expenses. They recently secured a grant to publish annual reports. LexDAO focuses on governance, terms and conditions, enforceable contracts, on-chain settlement, escrow, and clawbacks. Notable initiatives include Real World Asset (RWA) projects like Tater and Cougar, which advance web3 real estate by digitizing tangible assets and enabling fractional ownership. This allows people to purchase tokens representing portions of assets like real estate or bonds. Another significant project LexDAO contributes to is Smart Invoice, an open-source cryptocurrency invoicing, escrow, and arbitration tool.



## RnDAO

RnDAO is a digital swarm driving the future of work. As a research-led venture studio and product ecosystem, it partners with and builds modular collaboration-tech tools. RnDAO assembles cross-disciplinary teams for in-depth research on topics like sub-DAOs, web3 community health, rewards, and decentralized leadership. These insights support the incubation and creation of successful ventures. Additionally, RnDAO actively uses the tools and research it develops.

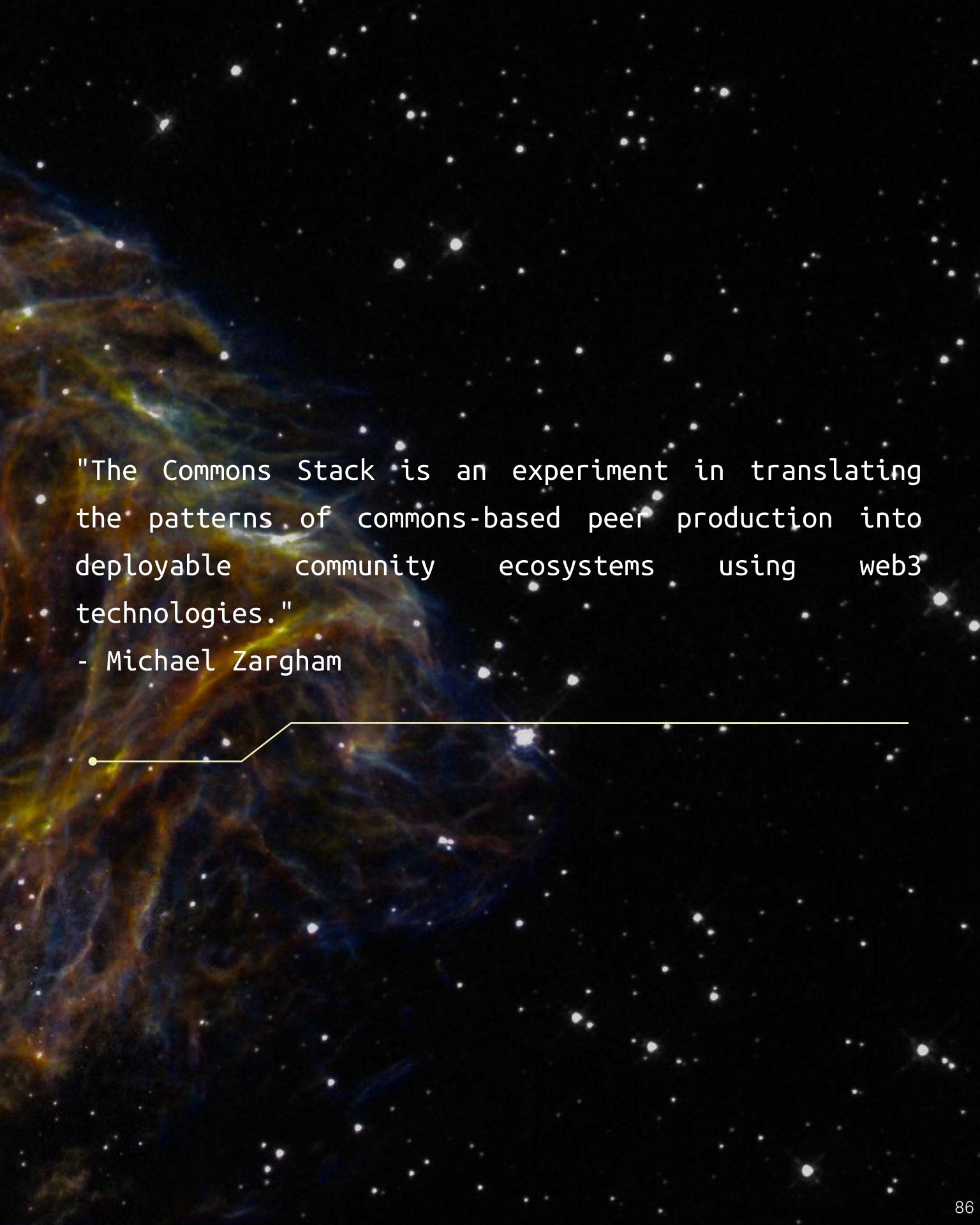


Since 2021, RnDAO has conducted 13+ research initiatives, incubated five collaboration tech startups, launched a Co.Lab partnership with ArbitrumDAO, hosted talks from 17+ tech experts, and doubled its Discord and newsletter community. RnDAO incubated Together Crew, a data analytics framework operationalizing and measuring community health.



# Impact Measurement





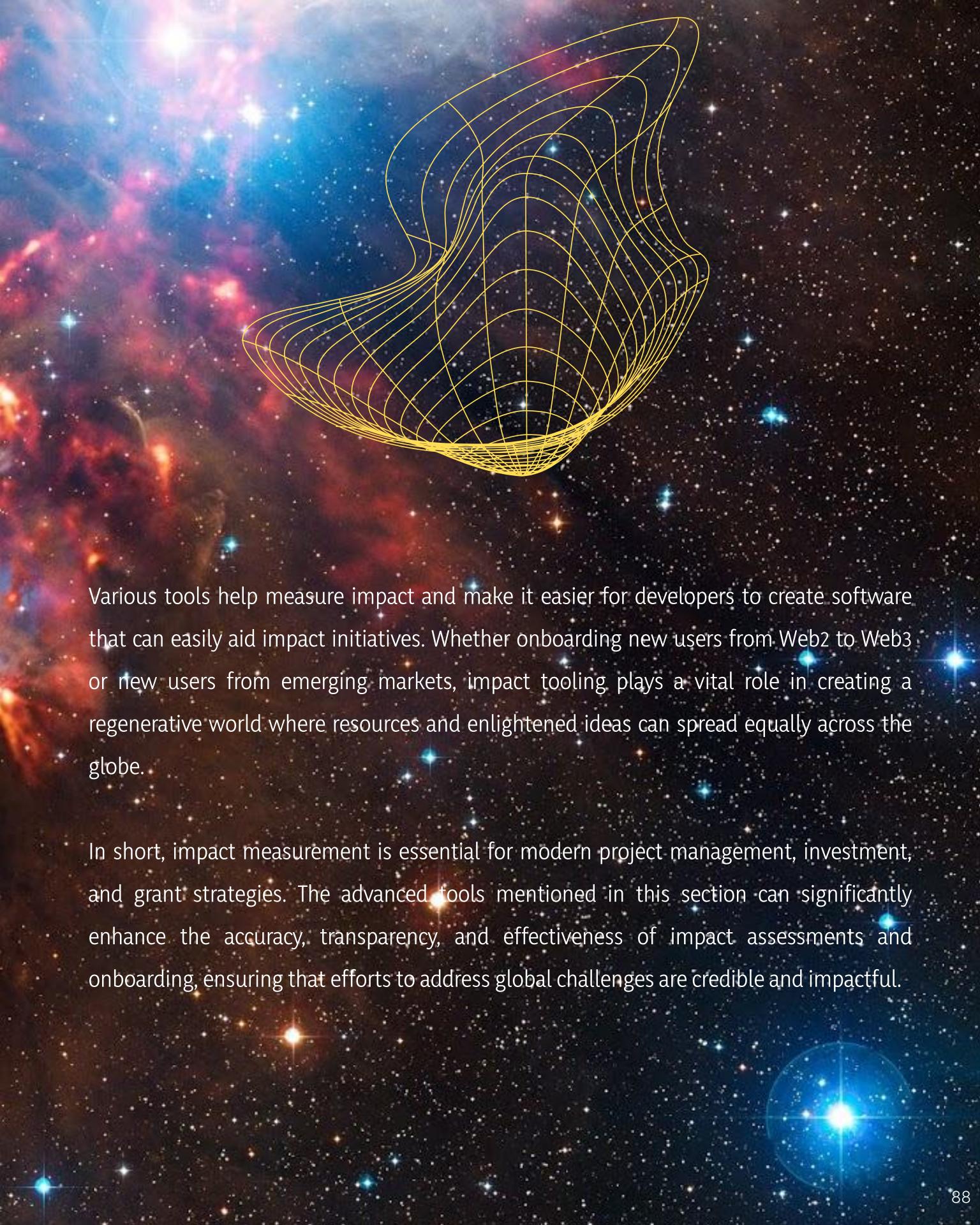
"The Commons Stack is an experiment in translating the patterns of commons-based peer production into deployable community ecosystems using web3 technologies."

- Michael Zargham

# Impact Measurement

Addressing social and environmental challenges is critical in today's world. Impact measurement assesses the outcomes of projects, programs, or investments, ensuring they contribute positively to sustainable development. This process involves setting goals, collecting data, analyzing results, and using insights to improve strategies and maximize positive impacts.

These types of measurements are vital for accountability, informed decision-making, attracting funding, regulatory compliance, and continuous improvement. They provide a clear picture of outcomes, fostering trust among contributors, helping organizations allocate resources efficiently, and optimizing strategies based on what works best.



Various tools help measure impact and make it easier for developers to create software that can easily aid impact initiatives. Whether onboarding new users from Web2 to Web3 or new users from emerging markets, impact tooling plays a vital role in creating a regenerative world where resources and enlightened ideas can spread equally across the globe.

In short, impact measurement is essential for modern project management, investment, and grant strategies. The advanced tools mentioned in this section can significantly enhance the accuracy, transparency, and effectiveness of impact assessments and onboarding, ensuring that efforts to address global challenges are credible and impactful.

## Hypercerts

Hypercerts is an open-source blockchain protocol that improves funding and rewards positive impacts. Its goal is to enhance public trust in funding public goods. Since its inception as a research project at Protocol Labs, Hypercerts has developed a new standard for digital tokens that capture and store data about project impacts.

Projects use Hypercerts for various purposes, primarily to secure funding for their created impact. When a project undertakes impactful activities, it can mint a fractionated Hypercert and sell portions to donors, who then store them as proof of contribution. The funds received go to the initiative contributors. Hypercerts serve both as a measure of impact dictated by donor contributions and proof of impact.



## KarmaGap

KarmaGap, known for its Grantee Accountability Protocol(GAP), focuses on enhancing transparency and accountability in managing community-issued grants. KarmaGap ensures that all data related to grant issuance and progress are immutably recorded to foster a transparent environment that discourages fraud and encourages accountability. By integrating GAP with various platforms and communities like Optimism and Arbitrum, KarmaGap has managed hundreds of grants and implemented decentralized review features.



This is a major breakthrough in the public goods grants space as the grantee's milestone accountability allows donors to see their donations' impact. This leads to more donations for projects that report and accomplish their milestones, vicariously increasing the continuous impact.



Evercity is a Berlin-based company founded in 2018 specializing in blockchain technology for impact investment. Its primary mission is accelerating global financial flows into projects supporting the United Nations Sustainable Development Goals (SDGs). The platform aims to enhance transparency, accountability, and liquidity in impact investments by automating sustainable finance management, issuance, and monitoring. Using blockchain, smart contracts, and AI monitoring tools, Evercity ensures data

transparency and prevents greenwashing, enabling the issuance of fully traceable green digital assets. This instills confidence in investors about the sustainability and impact of their investments. The platform is particularly useful for banks, funds, and corporations supporting SDG-aligned projects. With 16 employees, Evercity is a venture-backed private company that has raised \$520,000 from investors like the FinTech Innovation Lab and Techstars. The company's innovative approach positions it at the intersection of financial software, environmental services, and productivity software sectors.



PACT

The logo for PACT consists of the word "PACT" in a bold, dark green, sans-serif font. To the left of the text is a graphic element consisting of five vertical bars of increasing height, colored in shades of teal and green.

The Partnership for Carbon Transparency (PACT) is a global initiative launched in 2021 to standardize the measurement and communication of Scope 3 greenhouse gas (GHG) emissions across value chains. They provide guidelines for reporting GHG emissions in areas like travel, freight transport, and production of goods and services, promoting transparency, traceability, and interoperability among carbon management solutions.

Standardization helps organizations decarbonize more effectively and supports the development of carbon credit markets. PACT is also developing the Pathfinder Network, a decentralized peer-to-peer system for sharing emission data and analysis. This open coordination aids businesses and governments in implementing effective decarbonization measures, and PACT further assists by connecting organizations with regulators.

## Thrive Protocol

Thrive Protocol is focused on enhancing value creation within web3 communities, prioritizing long-term values over short-term transaction volumes. Their impact is evident in collaborations with communities like Arbitrum, Octant, and ApeCoin. Thrive develops smart contracts and applications that facilitate identifying, funding, and validating community contributions across various platforms and real-life implementations.



## Open Source Observer

Open Source Observer (OSO) is known for its analytics suite, which was designed to measure the impact of Open Source Software (OSS) contributions and grant mechanisms on ecosystem health. OSO creates comprehensive views of OSS contributions by incorporating on-chain and off-chain data. They have curated a massive database of projects and previous grant rounds in the public goods space, bringing value to networks and protocols such as Optimism, Arbitrum, GitCoin, and many other EVM chains.

Led by a team of talented data analysts, OSO continually expands its database, allowing any contributor to add value by including more projects for benchmarking and informed decision-making. As ecosystem metrics grow in the public goods space, OSO serves as a foundational resource hub, providing access to information for anyone looking to develop sensible strategies based on comprehensive data.



## Climate Coordination Network

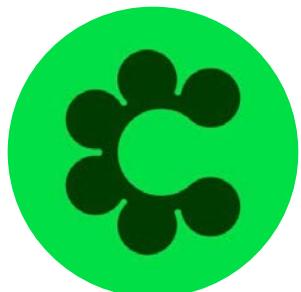
The Climate Coordination Network (CCN) combats climate change through collaborative efforts, uniting governments, NGOs, private sectors, and local communities. CCN amplifies the impact of individual initiatives by fostering cooperation on projects ranging from renewable energy to conservation. Using tools like Hypercerts, CCN ensures efforts are transparent and tamper-proof, building stakeholder trust. Smart contracts automate fund disbursement and compliance verification processes, reducing administrative overhead.

CCN's blockchain use extends to secure data management and impact measurement, providing real-time access to emissions, energy usage, and other metrics. This allows for easy verification and auditing of climate initiatives. Through decentralized decision-making, CCN gives local communities a voice in project design and implementation, leading to effective and locally tailored climate solutions.



## Commons Stack

Commons Stack empowers communities to self-govern by managing shared resources and promoting participatory governance. Their model emphasizes grassroots participation, openness, independence, and individual responsibility, fostering healthy communities and moving away from extractive capitalist models toward regenerative frameworks. Commons Stack creates tools and frameworks to help initiatives become self-governing and sustainable. Their initiatives include the CommonsDAO, economic co-design, and the Commons Incubator. They offer a toolkit featuring the Augmented Bonding Curve (ABC), Conviction Voting, Hatch, Praise, Tokenlog, and Commons Simulator.



Founded in 2019, Commons Stack has significantly contributed to the Open Source movement by developing regenerative economics, sustainable management, and unique funding tools for impact communities. They specialize in merging culture with token engineering, guiding organizations to create structures that promote active participation, cooperation, and accountability. Over the past five years, Commons Stack has supported dozens of projects, providing insights and tools for funding and coordinating public goods projects.

## Proof of Impact



Proof of Impact is dedicated to enhancing the credibility and transparency of social and environmental impact through advanced technology. They provide verifiable and immutable records of impact metrics, ensuring accurate tracking and reporting of project outcomes. Their mission is to build trust among investors, donors, and stakeholders by offering clear and auditable evidence of positive changes driven by their investments. To achieve this, the organization secures and authenticates impact data, reducing the risk of manipulation and fraud. Smart contracts automate verification, releasing funds only when predefined impact milestones are achieved, promoting accountability and efficiency.

Additionally, Proof of Impact employs data analytics to measure and report on project outcomes. Their platform aggregates data from various sources, providing a comprehensive view of the impact generated by different initiatives. This approach allows stakeholders to make informed decisions based on reliable data, ensuring effective resource allocation. By combining blockchain with data analytics, the organization revolutionizes impact measurement and reporting, helping organizations demonstrate their contributions to sustainable development goals.



## Boost.xyz

Boost.xyz is a platform that uses onchain tools to reward social and environmental impact. Smart contracts automate the distribution of rewards and incentives once specific criteria, such as impact metrics or project milestones, are met. This system eliminates the need for intermediaries, reducing administrative costs and delays while ensuring fairness and prompt payment. Users engage with various impact initiatives, such as reforestation projects, and receive incentives verified through on-chain data, encouraging active participation and greater contributions to impactful projects. Boost.xyz creates a sustainable cycle of impact and rewards, maximizing the effectiveness of social and environmental efforts.



# Closing Thoughts

The aim of ImpactNetworks is to highlight areas in which blockchain has facilitated tangible change in the world. To readers in the space, we hope we have inspired you to contribute to one or more areas showcased in this book. To those outside of the space, we hope to have sparked some curiosity about how blockchain can be used for good, perhaps shifting preconceived notions about crypto.

In the process of writing this book, it has become clear how difficult it is to define and measure impact. We encourage everyone in the space, including ourselves, to make an effort to present results clearly, as they can sometimes get lost amid the buzzwords. We want to show, not simply talk about theories. The more we are able to showcase how crypto is regenerating the world with tangible examples, the more we can inspire the next wave of onboarded impact makers to leverage blockchain to create a more positive-sum world.

Coordination can be challenging, with many steps from vision to execution (take it from us in writing this book as a collective to form a unified voice). However, what would be impossible for an individual becomes achievable by a collective; one ant alone could never carry the load, but in a synchronized group, it becomes easy.

Never underestimate the power of simply getting started. Whether that be learning more about crypto and blockchain, contributing to a network, starting your own impact-focused project, or simply remaining curious vs closed to what crypto has the potential to do when used for good. We all need to start somewhere.

What is highlighted in this book is that no matter what ecosystem you work in, there are ways for it to leverage and use blockchain to help build a more sustainable, impactful, and win-win world. As the blockchain ecosystem continues to evolve and mature, we will see more and more communities, DAOs, protocols, and blockchains leverage crypto for regenerative efforts. We hope to see more local governments and organizations around the globe experiment with this technology in an effort to change outdated systems and support systemic change. There is no shortage of ways one can leverage blockchain, and we hope to see more experiments in the near future.

We would like to offer our sincere gratitude to everyone who contributed in some shape or form to the projects included in this book for the work you have already done, and we urge you to continue the valuable work you are doing. This book wouldn't be possible without the thousands of people actively contributing to help create a positive impact in the world through blockchain technology.





**Impact Networks: How Crypto Is Being Used To Regenerate The World** helps the reader discover how blockchain technology is revolutionizing efforts to create a more sustainable, equitable, and regenerative world. This book delves into eight key Impact Domains where blockchain is driving significant and constructive change:

- Decentralized Science
- Community Funding
- Regenerative Finance
- Climate and Environmental REGENeration
- Culture
- Education
- Infrastructure
- Impact Measurement

“Impact Networks” is a testament to the power of collective action and how new technology is allowing us to coordinate and help solve some of the world’s largest problems. Whether you’re a seasoned blockchain enthusiast or simply curious, this book will inspire you to explore how blockchain is being used for good. Join us on this journey towards a positive-sum future.