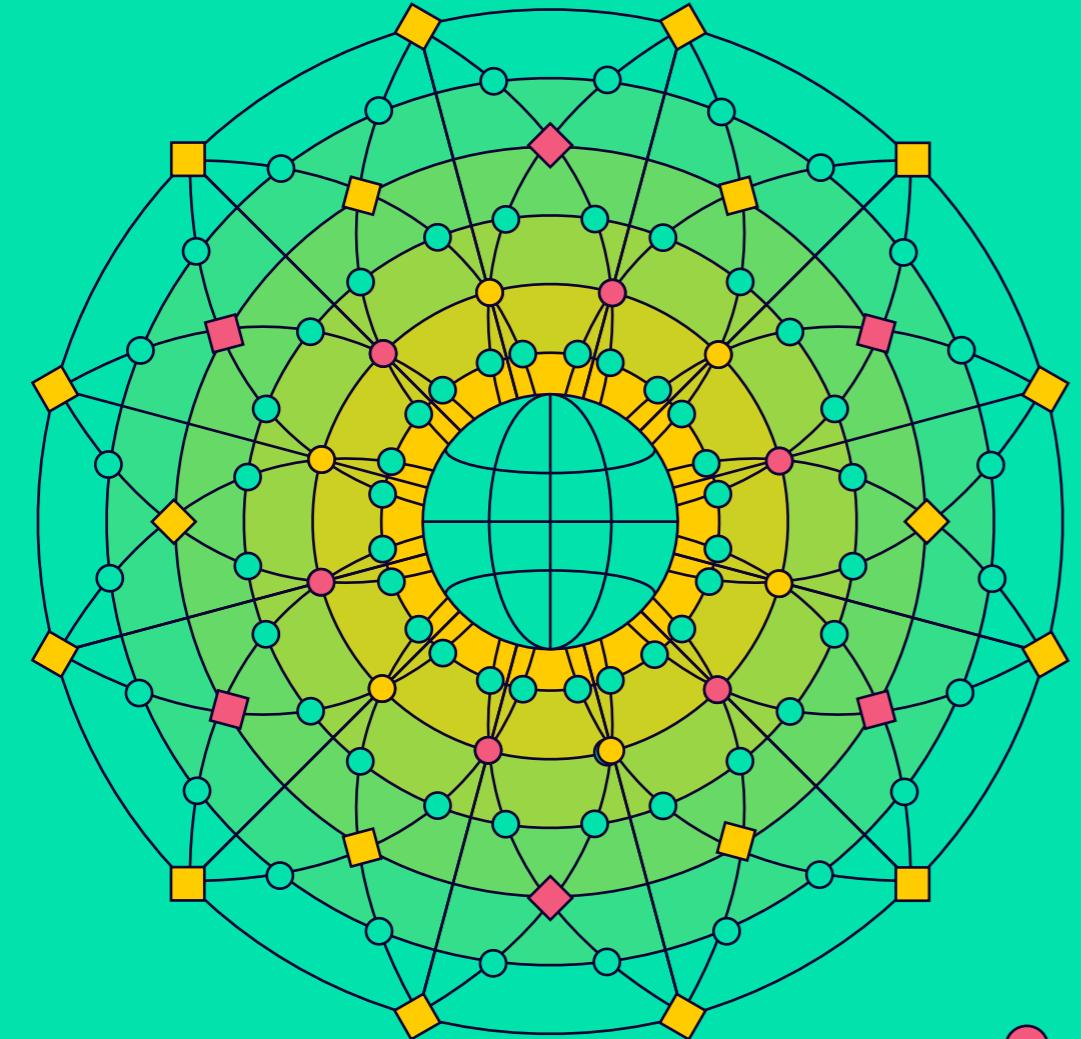


KEVIN OWOCKI, ALEJANDRA BORDA,
GITCOINDAO PUBLIC GOODS FUNDING WORKSTREAM



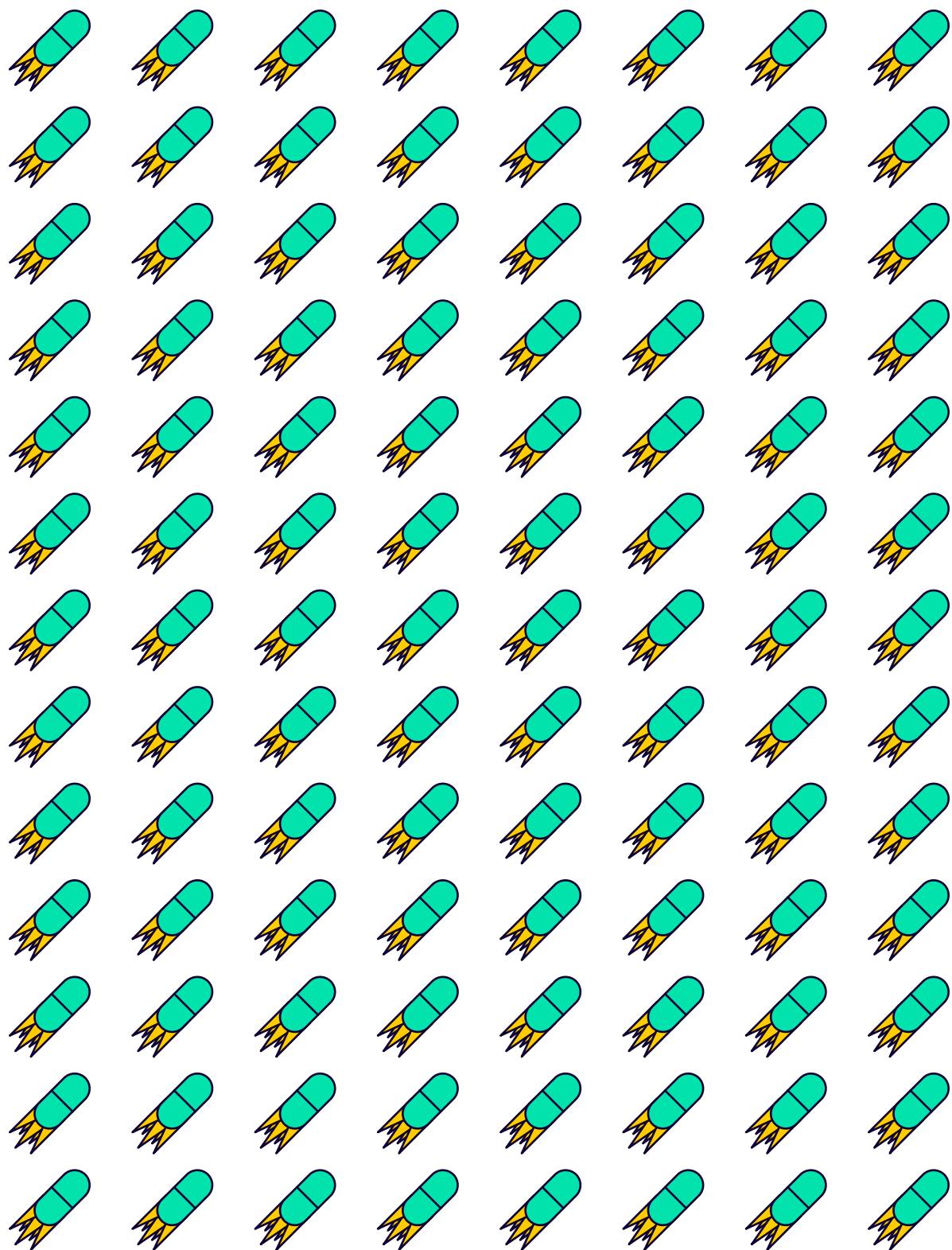
IMPACTDAOs

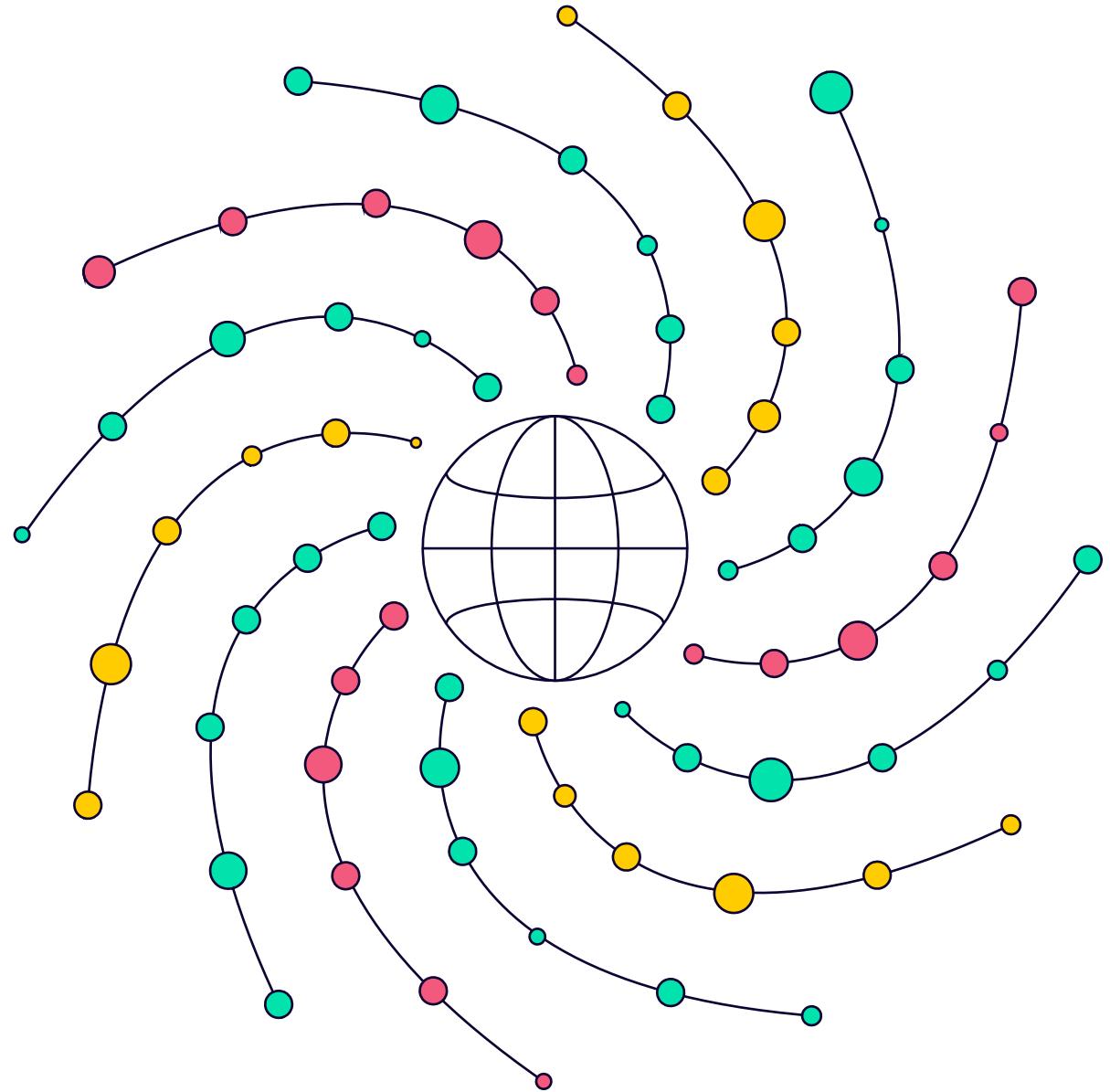
Why a book on ImpactDAOs? Why now?

The community around the book *GreenPilled - How Crypto Can Regenerate the World* (available at <https://greenpill.party>) has envisioned that web3 has the potential to regenerate the world. With the GreenPilled book, we have established a digestible source of **a priori knowledge** (theoretical knowledge) of how we might use a transparent, immutable, global, and programmable financial system with \$2 trillion worth of capital to regenerate the world. This capital could build a digital commons, create flourishing digital democracies, and support both local & global public goods. A priori knowledge is great, but what has been missing from the conversation thus far is **empirical knowledge** (knowledge obtained from observation) of how crypto can regenerate the world. That's where this book, and the projects within it, comes in.

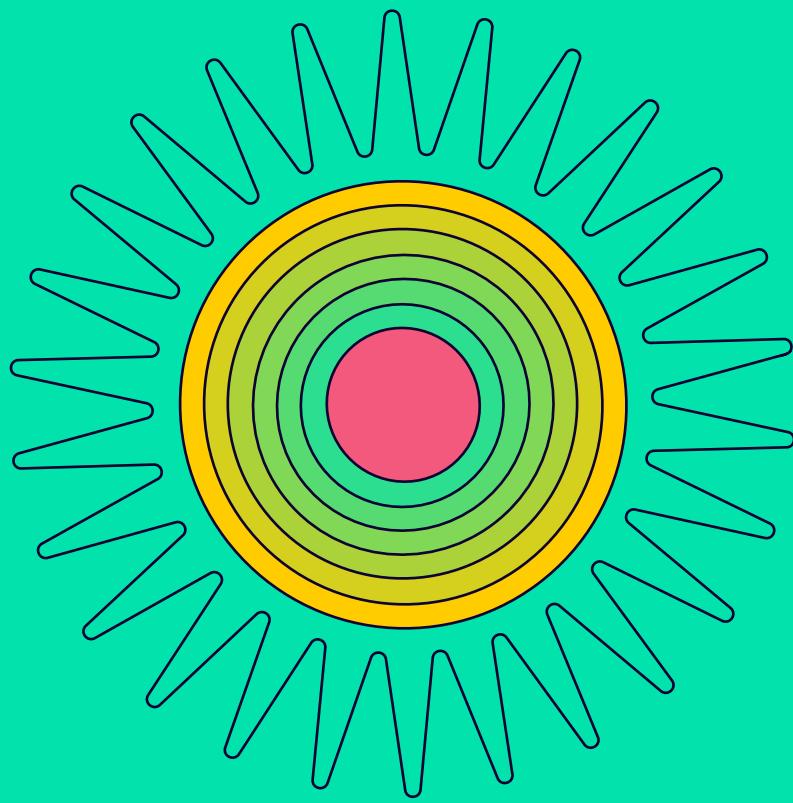
ImpactDAOs are any web3 project that is using crypto to create positive externalities for the world. This book is a cartography project, designed to map these ImpactDAOs & the territory between them. There are dozens of examples of successful ImpactDAOs in the world today, & hundreds more inchoate ImpactDAOs. We articulate their value propositions, techniques, and provide a map to help members of the web3 ecosystem who are working on regenerative crypto to find each other.

If the GreenPilled book is theory, this book is its complement - this book is about action. Theory without action is impotence. Action without theory is directionless. But together, theory and action present a powerful schelling point for web3 regenerating the world. We invite you to learn about the world of ImpactDAOs, the foundational atomic building block of an emergent, regenerative, peer to peer, pluralistic civilizational scale infrastructure for funding public goods. Public goods are good!



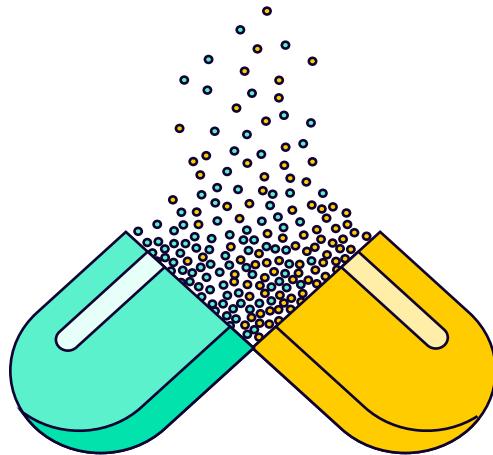


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Primer

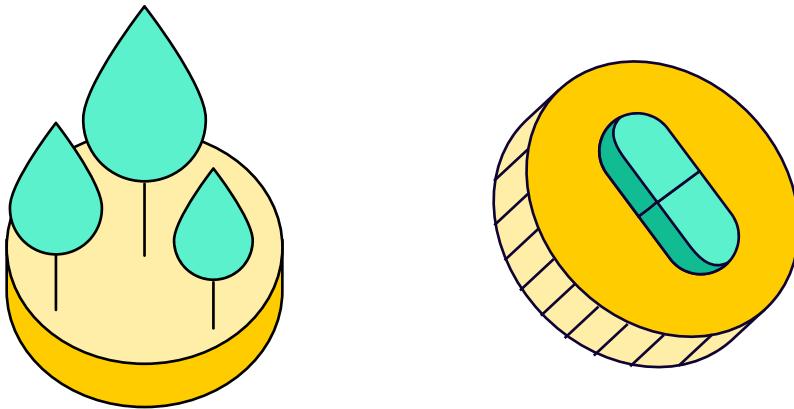
ImpactDAOs are the atomic building block
of regenerative cryptoeconomics.



Why do we care about ImpactDAOs?

Web3 has the potential to scale our internal and collective ability for human and capital coordination. We can now redefine incentives towards actions that regenerate ourselves and the earth. But, are we tapping into that full potential? We are only able to do so if we move past our current paradigms of how we experience and coordinate as human beings, and if we start focusing all our energies in building and leveraging these building blocks for real positive impact.

We see web3 as a tool within a broader shift in consciousness, away from lack, sacrifice and control into an abundant, free and positive-sum future. Technology unlocks a realization that we are not tied to our extractive systems. How do we leave the old ways behind to create new value systems?

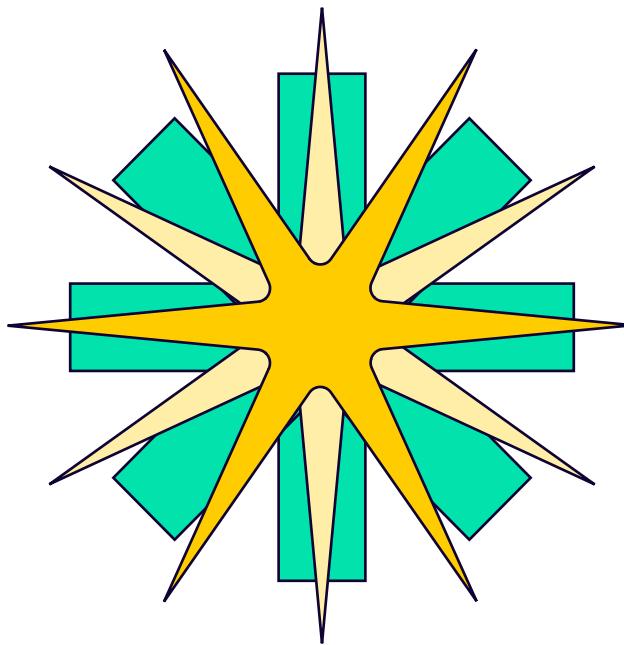


Conscious Design for Good

Digital currencies are more secure, convenient to store, and easier to transfer/distribute. The real unlock is that how we choose to transfer currencies is based on the conditions we choose. We can embed our values into digital currencies, explore a plurality of ways to transact and share value, align individuals with collective incentives, and unlock the freedom to dedicate our time to meaningful work.

Now we realize we can consciously design our external reality and coordination mechanisms that drive our society. We have open canvas, a new playground to include everyone by design to ensure the health of our planet and people is at the core of our economic systems.

But as much good as we can create, tools can also be prone to do harm. Finance can serve to enrich human flourishing or crippe it. We should be conscious of the role we play in shaping this technology for positive impact because what we build will shape the future of the society we live in.



Building the New

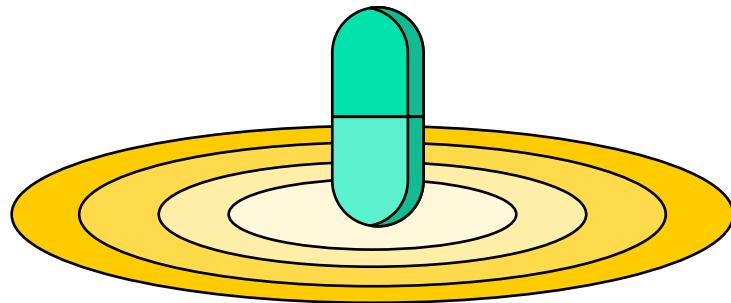
Throwing more technology or money into broken systems will likely create no change unless we coordinate these networks to redefine how we operate as humans. Money magnifies. We have long been pushing money into the system, and it seems like the only thing growing is the amount of capital we need to solve these same problems.

We can engineer better carbon removal methods, but we will endlessly continue to sequester carbon from the atmosphere unless we redesign our extractive monetary system fueling pollution. Unless we reorganize the economy to better align with the natural world.

We can move away from fixing into building new thriving systems primed for human flourishing. Although it would be great to solely focus on creating, we have pulled society so far away from balance that we might need to engage in parallel efforts: solving urgent problems while building the base infrastructure for new thriving systems that render the old obsolete. Once we fix current issues, energy can naturally transition to create value in regenerative systems.

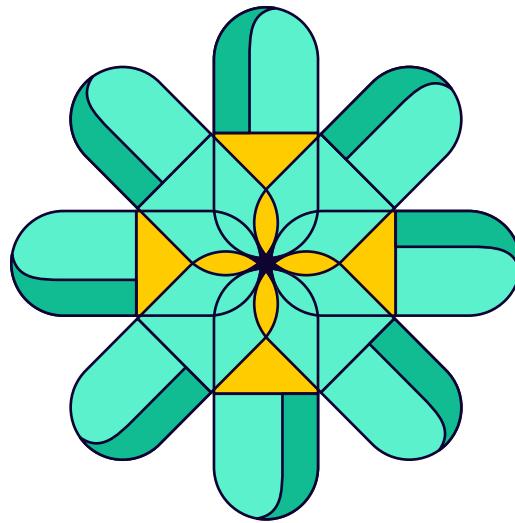
Ecosystem Awareness

We analyze what are the tensions in the system, and how do we remove them, our perception of value and perception of impact.



We can move to an ecosystem awareness of all the moving factors across a system to identify patterns and connect seemingly unrelated dots. The highest leverage points we can shift are those which act just like acupuncture points—creating rippling effects on the entire system.

We move beyond solving the most obvious symptoms and start tackling the underlying factors that create those symptoms in the first place.

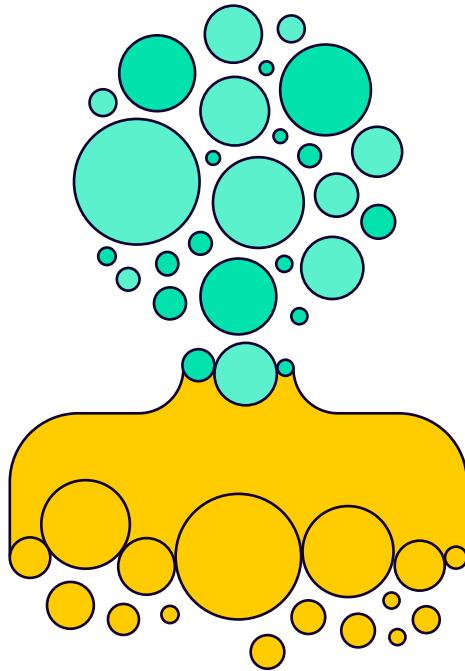


We regenerate all aspects of life

Regeneration includes redefining what we value and how we share that value. It calls for regenerating our internal selves, our experience with others and our meaning of wealth to one where we focus our energy on that which will improve the world.

Although boundaries allow us to study and understand the dynamics of interconnected systems, boundaries are, in reality, blurred. Everything is interconnected.

For example, our gut health affects our metabolic health, cognitive ability and prevalence of the chronic disease. The microbiome diversity of the soil in which it's grown directly impacts our gut. Economic incentives enable or prevent farmers from implementing regenerative agriculture, which increases the CO₂ in the soil and hence the microbiome diversity and our health.

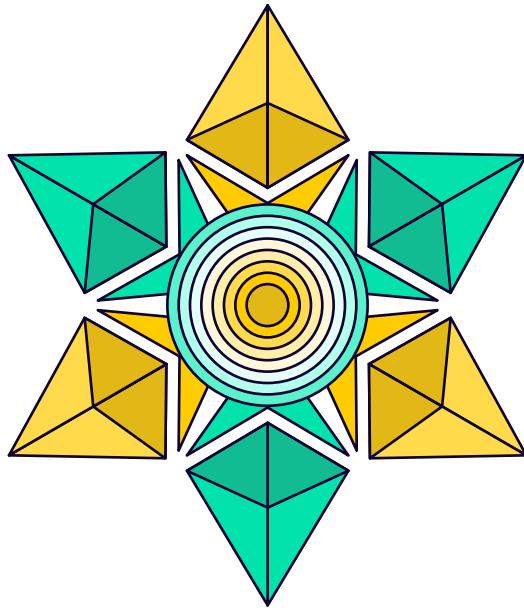


Shifting approaches

We now emphasize on collaboration and open sharing approaches, learnings and insights others can leverage. There is no hierarchy, everybody should be at the table to discuss as equal parties to design our futures.

Building and giving everyone access to tools,, we can decentralize the innovation process away from helping into empowering. Network to innovate with their own expertise to change their circumstance— it's not one person's role or responsibility to do it.

We have an active role in designing, architecting, experimenting, and stewarding collective pieces of a powerful but intentional engine for change. ImpactDAOs are at the core of that change, leveraging web3 to create that regenerative society we seek, securing web3 as what enabled us to create a better future.

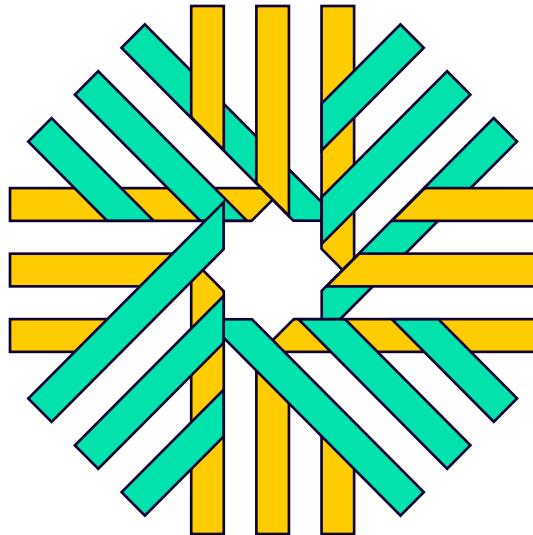


The current state of ImpactDAOs

The present reality might not reflect the vision we just shared but we hope to help catalyze the energy and action that can take us there (or to a better future than what we were able to paint).

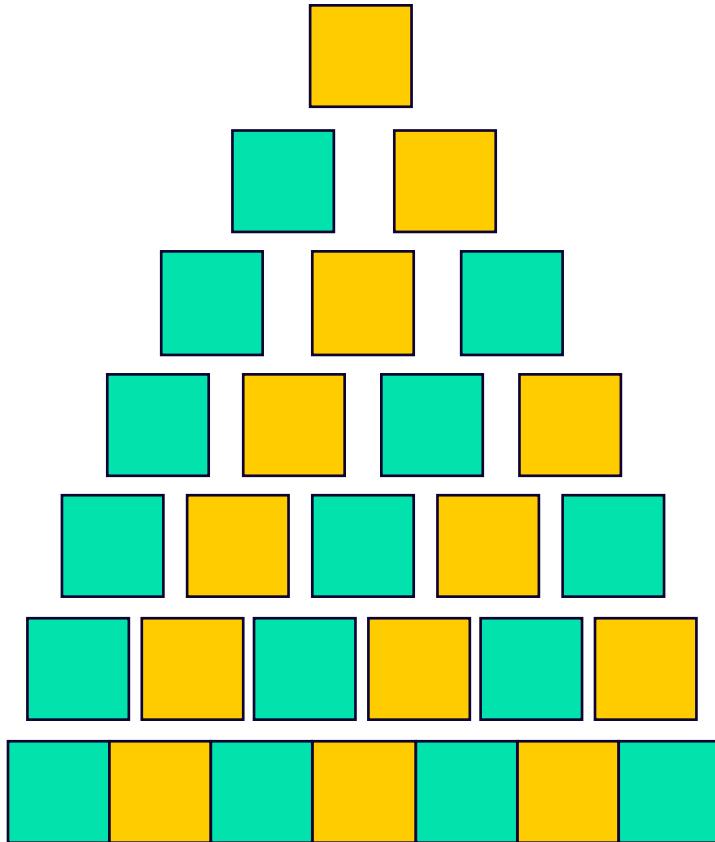
ImpactDAOs are still nascent and with a lot more room to explore, this book is a snapshot of the current state of ImpactDAOs, showcasing how organisations using web3 for good now.

Hopefully, this acts as a Schelling point to rally the community to explore further how can crypto regenerate the world and put it into action. We would be excited to capture more stories of how has web3 positively changed real lives in future book iterations.



The ImpactDAO ecosystem

- **Symbiotic**— web3 is naturally interoperable as each effort unlocks greater value for other nodes in the network. We can modularly stack ImpactDAOs for talent, energy, and resources can fluidly move to where it is most needed.
- **Composable**—anyone can leverage and build on top of open-sourced building blocks for an evolving improving set of tools and strategies.
- **Collaborative**—we can align incentives for a multiplayer game. It is no longer about the winning strategy but rather the health of the whole ecosystem, building our collective intelligence and capacity to do good.
- **Transparent**—although still nascent, we can leverage the on-chain, immutable records for accurate impact measurements to continue funding what works and leave behind what does not.



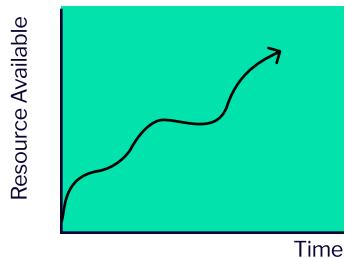
ImpactDAOs - The Building Block

An **ImpactDAO** is defined as any DAO that creates net positive externalities to the ecosystem around it.

ImpactDAOs are the atomic building block of the Regenerative Cryptoeconomic movement. This book is about ImpactDAOs.

To learn more about the Regenerative Cryptoeconomic movement, check out the Green Pill book & podcast at <https://greenpill.party>.

Regenerative CryptoEconomics



In a regenerative system, resources are increased over time. An antifragile regenerative system builds capacity sustainably, while being resilient to shocks.

Not just about Financial Resources

A regenerative Cryptoeconomic infrastructure is about more than just financial capital. Gregory Landua and AppleSeed Permaculture have published a great resource on the 8 different forms of capital, of which financial capital is only one.

Here is their taxonomy of types of capital:

Capital	Currency	Complexing to...
Social	Connections	Influence, Relationships
Material	Materials, Natural resources	Tools, Buildings, Infrastructure
Financial	Money	Financial Instruments & Securities
Living	Carbon, Nitrogen, Water	Soil, Living organisms, Land, Ecosystem
Intellectual	Ideas, Knowledge	Words, Images, Intellectual property
Experiential	Action	Embodied experience, Wisdom
Spiritual	Prayer, Intention, Faith, Karma	Spiritual attainment
Cultural	Song, Story, Ritual	Community

Methodology

ImpactDAO is the term we use for organizations leveraging web3 to create positive externalities in the world.

Most operate as a DAO or with web3 principles as open, transparent, verifiable impact and regenerating our earth. The ImpactDAOs presented in this book is a combination of the survey form we shared during our writing process + Ale's Notion list that she has been compiling and categorizing since December + cross-comparing with many other great project lists out there. When possible, we've included verifiable on-chain data for the progress achieved by these.

How did we choose which projects to feature?

We focused on ImpactDAOs who have achieved substantial positive impact or have proven their model has the potential to do so in a way we could verify. The featured ImpactDAOs in Chapter One are ImpactDAOs that we could objectively verify their strategy has created tangible positive externalities.

Criteria:

1. **Positive externalities:** ImpactDAOs that demonstrate a sustainable long-term strategy to achieve positive outcomes on their primary impact area that would have otherwise not been possible without a novel use of web3.
2. **Ecosystem value:** ImpactDAOs that act as building blocks to enable other ImpactDAOs to leverage or build on top of them to achieve a greater impact (e.g. PoH Sybil-proof list of humans other ImpactDAOs can use for governance, proof of identity, etc).
3. **Leverage point:** ImpactDAOs that intervene at a critical place within the system and that cause rippling effects in the whole system by redesigning core mechanisms of society-causing-problems, not merely redistributing donations or band-aid solutions.

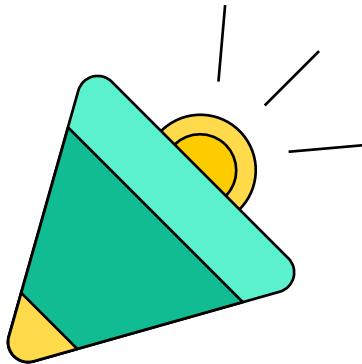
The 2nd set of ImpactDAOs is categorized by the area of impact within the web3 ecosystem that they play a role in and are further subdivided by the type of social capital they enable. These ImpactDAOs have also proven a robust web3 mechanism that works towards achieving positive externalities.

The 3rd set of ImpactDAOs are those who have positive externalities but are nascent. As we could not tangibly verify that their approach has achieved positive outcomes, these have a “Not Launched” tag. However, we are excited to see how these grow!

To explain the work and impact of each ImpactDAO we combined self-reported data with information available through websites, articles, etc. Additionally, for many of these (around 30 of the projects) we did interview members of the team and people interacting with such platforms (eg. users who implemented Coordinape to their reward stack for DAO contributors)

To give feedback on this methodology, or to propose changes, please see the “Get Involved” section at the end of this book.

As we describe the how ImpactDAOs leverage web3 to regenerate the earth, we encourage you to actively think about how can each strategy build upon the other, synergize or collaborate.



Intended Audience

This book is a breadth-first tour of cryptoeconomic systems that have a positive impact on the world (ImpactDAOs).

This first edition is designed for those who already understand at a high level what blockchains are, how smart contracts work, what DAOs are. If this book were a university course, it would be a 401 level course. If that is not for you, that's okay - Welcome to the weird, wonderful, & wild world of web3! Spend some time with the numerous & great resources about these fundamentals + come back to this resource after that. Perhaps a future edition will attempt to make this content more beginner friendly.

This edition is designed for those who are entering the web3 space who want to find ImpactDAOs they could work with.

This first edition is also designed for those who work on ImpactDAOs. By seeing what techniques other ImpactDAOs are using, we hope that this book (and the resources surrounding it) facilitates the cross-pollination of relationships, knowledge, and other resources across DAOs.

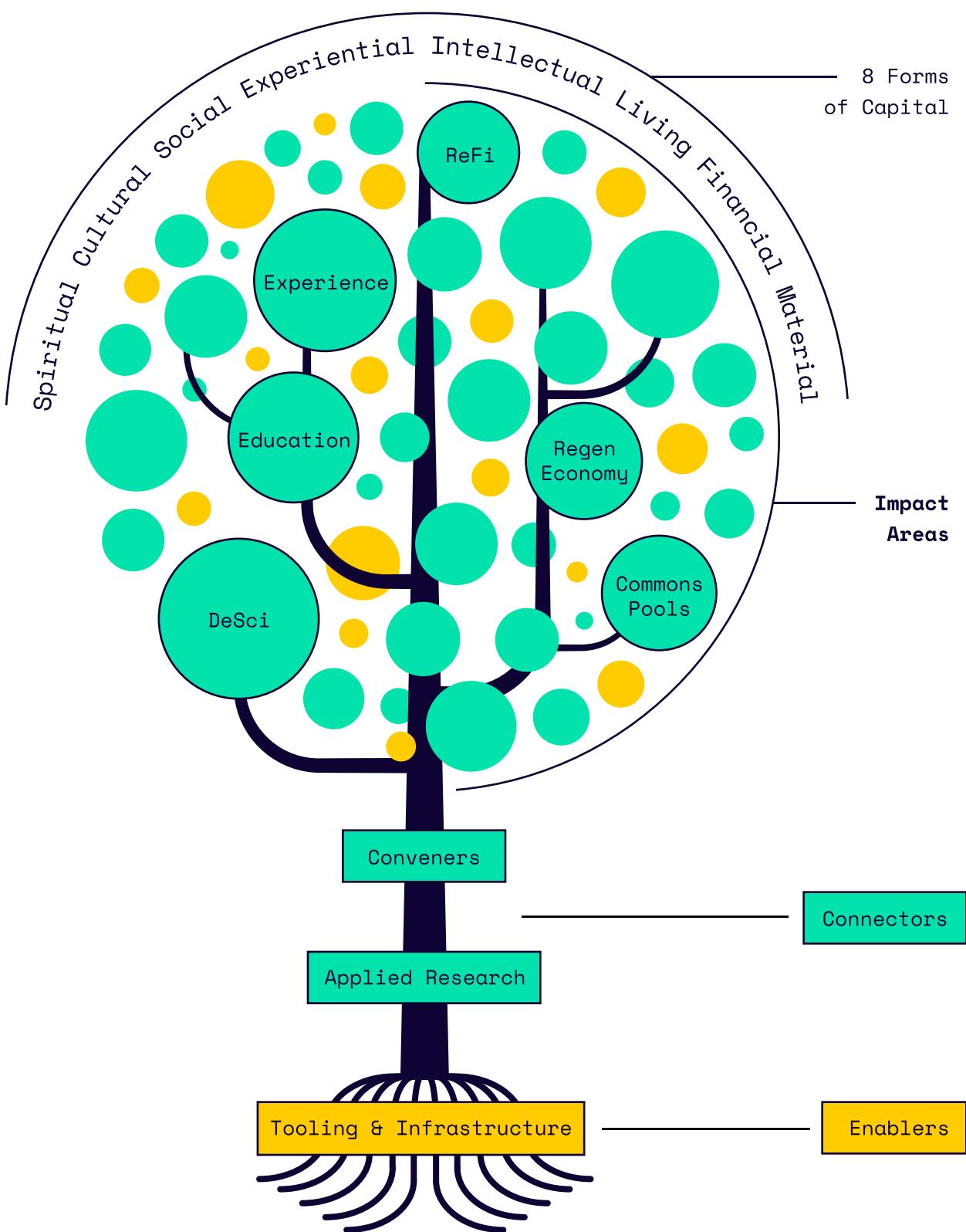
ImpactDAO Map

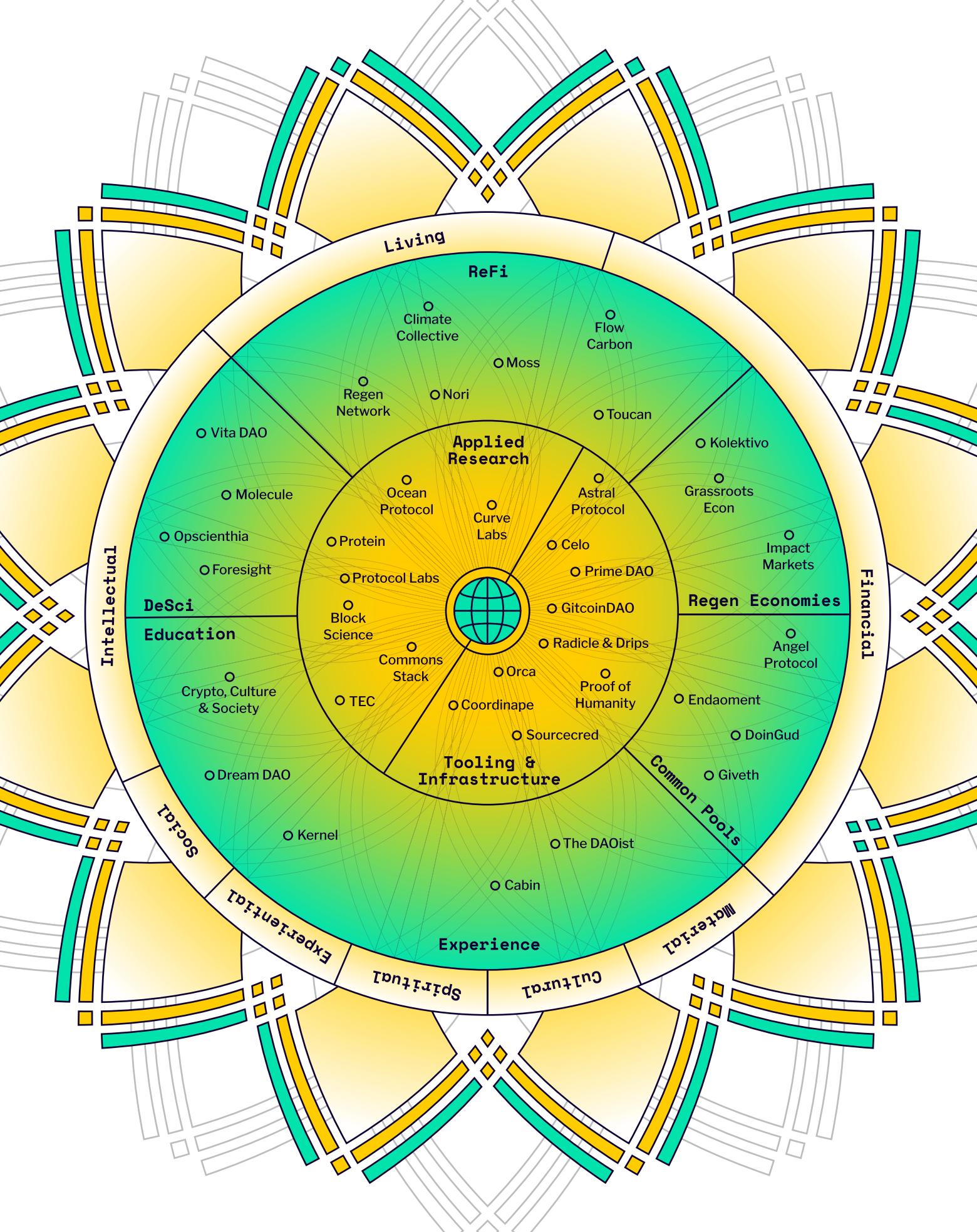
When understanding the world of ImpactDAOs we can classify these through a) the role they play within the web3 ecosystem and b) the form of capital they each impact in our living world.

The two following maps attempt to sketch ImpactDAOs in categories 1 and 2 across both categories so that we can better understand the state of the ecosystem. The first map shows a tree where ImpactDAOs growing the roots and trunk act as enablers engineering the infrastructure for others to build on top off. The Connectors take these building blocks and explore, research and implement new primitives all other ImpactDAOs can then apply to their own strategy. Representing each leave of the tree are ImpactDAOs who build primarily within one expertise and although these explore different Impact areas they are also complementary and interdependent hence part of the same tree. Finally, all ImpactDAOs tend to a variety of forms of capital as represented above the tree.

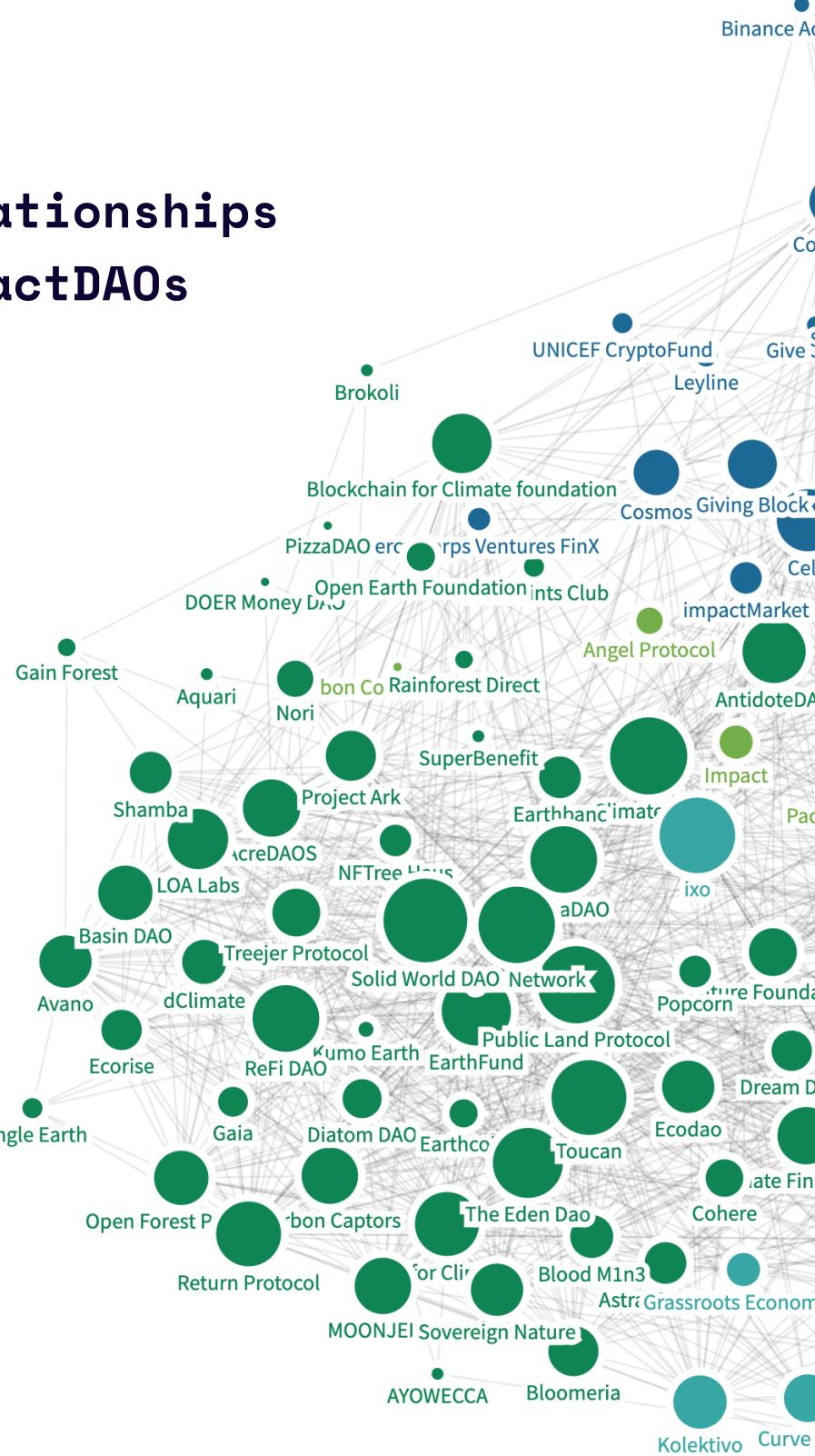
The second map is like a peak through the tree. We can now see the roots and trunk within the inner circle as the infrastructure and research layer that enables all other ImpactDAOs to operate, improve and achieve impact eg. tokenomics, governance, research on natural capital assets, infrastructure.

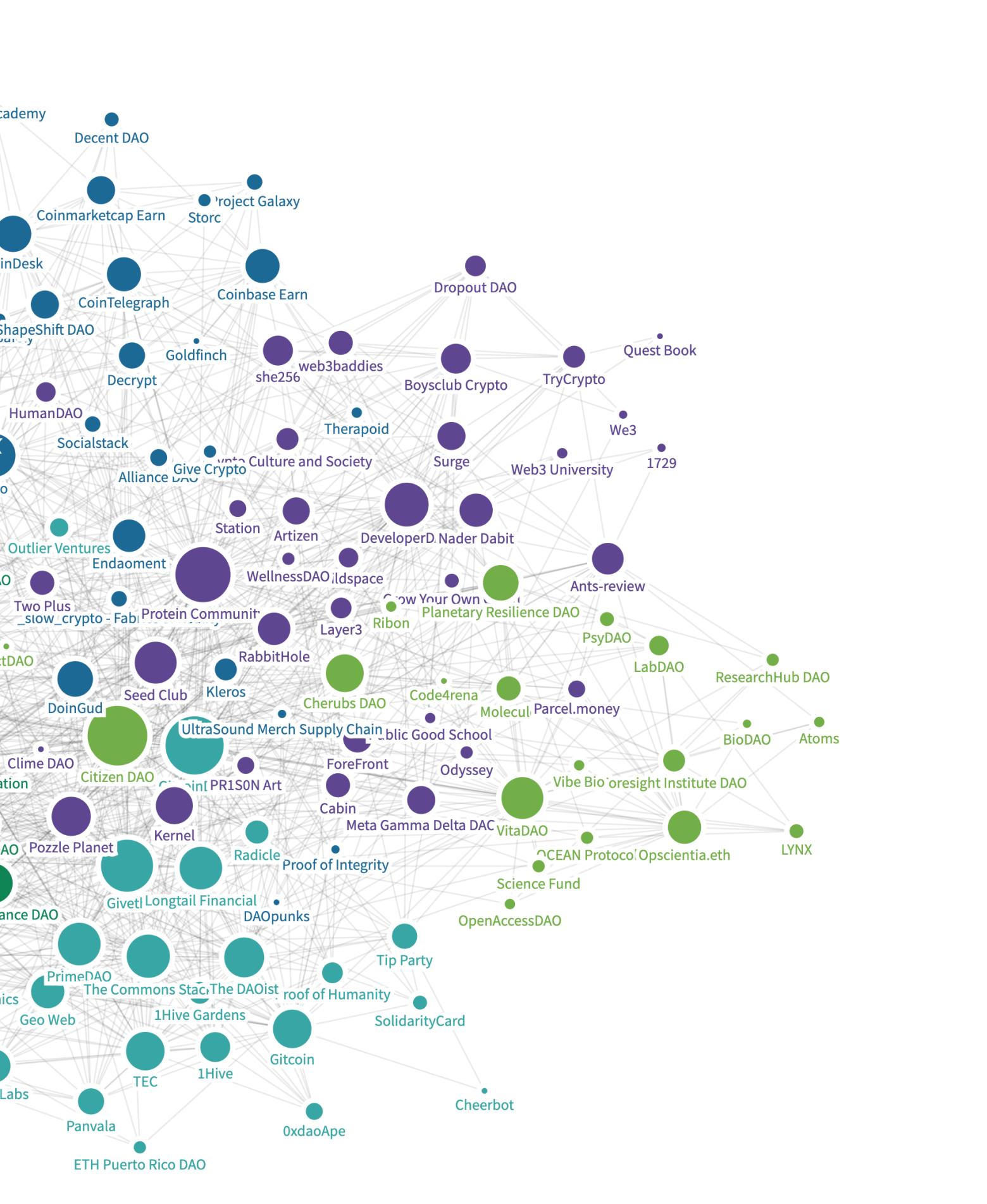
The middle circle shows the impact areas previously shown as leaves. Now these are distributed across the map to show forms of capital they mostly impact. Although many projects impact multiple forms of capital, we tried to map the ImpactDAOs to show the two most prevalent areas of a living system eg. projects in ReFi tend to both living and financial but some like Regen Network are closer to living systems while others like Toucan mostly focus on the financial infrastructure.

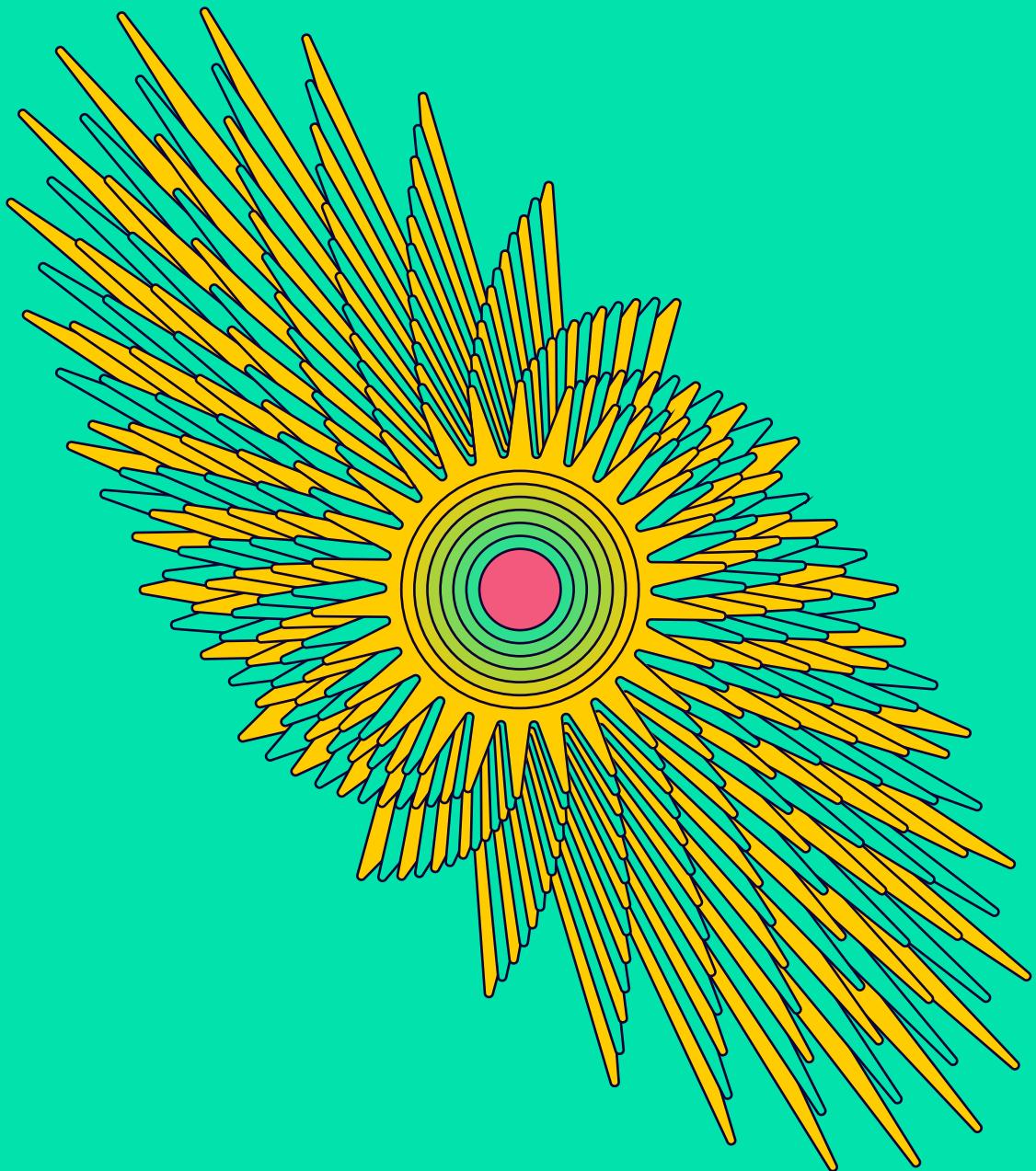




Twitter Relationships Between ImpactDAOs



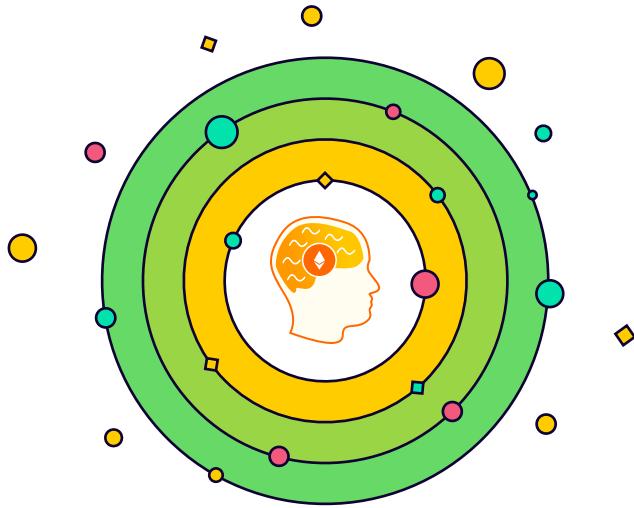




Featured ImpactDAOs

The idea behind Feautured DAOs:

We focused on ImpactDAOs who have achieved substantial positive impact or have proven their model has the potential to do so in a way we could verify. The featured ImpactDAOs in Chapter One are ImpactDAOs that we could objectively verify their strategy has created tangible positive externalities.



Proof of Humanity

At its core, Proof of Humanity is a social identity layer system on Ethereum that essentially, by creating a web of trust, aims to identify everyone on the internet with proof of humanity through a Sybil-proof list of humans.

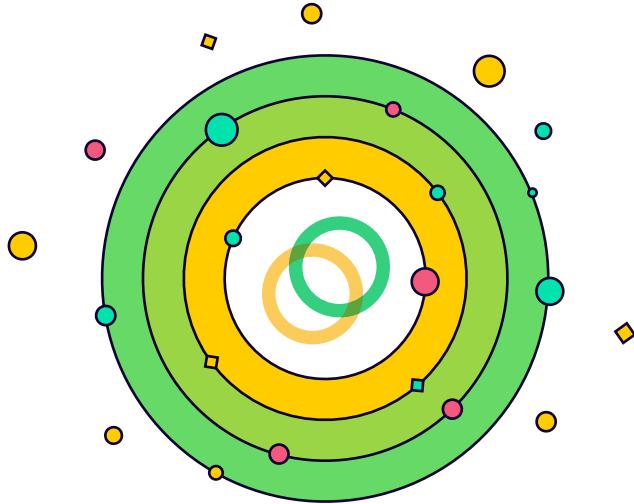
How does this bring us closer to a regenerative society?

Self-sovereign identity validation is the bedrock infrastructure to implement a Universal Basic Income (UBI) mechanism to reach everyone on Earth. This is important as each person should be entitled to one share of UBI distribution in the form of UBI tokens. People in Kenya or Ghana will have the same access to financial income as someone in London or New York. You don't need a bank account or any crypto to be onboarded into PoH. The only condition to receive UBI is to register as a verified human. Today, **13,948 registered humans** receive \$UBI tokens every hour. \$UBI is a necessary currency layer to put a value on time in an open, global market.

UBI streams can lift people out of poverty in that they can buy groceries, a place to live, and even start businesses. If UBI achieves a meaningful value in the coming years, people could stop worrying about meeting basic needs, and would no longer be tied to draining jobs to pay the bills. Proof of Humanity unlocks the capacity for all humans to focus their time and energy on work that positively moves the needle forward. PoH's adoption has soared in areas like Latin America, where traditional finance systems and corrupt governments have impacted communities the most. For Argentineans dealing with hyperinflation, crypto is becoming a comparatively more stable source of income for everyday activities.

Stacking PoH's Impact

PoH's social identity layer can be used by other organisations as a trusted sybil-proof list of people. . For example, DAOs can mint the same amount of tokens or airdrops for every human in the DAO to experiment with truly democratic voting systems (1 person = 1 vote) that account for every community members' voice. One way that PoH is already creating impact is through Gitcoin's funding rounds. Gitcoin uses PoH as a donation multiplier for sybil resistant quadratic funding. One weakness of quadratic funding is that it is susceptible to sybil attacks as participants can try to split their funding across multiple accounts, which would lead to an unfair allocation from the matching pool. Integrating PoH helps mitigate the chances of this behaviour gaming the system.



Celo

Celo is a mobile first layer 1, climate-positive blockchain designed for inclusion. Stable coins in the protocol are collateralized by crypto and natural capital assets.

1.1 billion people worldwide are underbanked or and those who have access to banking is at a prohibitively costly price. Celo allows anyone with access to a smartphone to interact directly with the blockchain via a simple user experience.

Authenticating user's phone numbers with their public keys through applications like the Valora App enable mobile-first experiences. This enables communities to either transact with local sovereign currencies within a community or to reach previously inaccessible global markets.

As we design web3 tools, we need to do so in a way that includes those who need these the most: those excluded from the current monetary system. The simple ability to store and transact value has a transformative impact. Free transfer of value to reach emerging markets is also a big unlock for opportunities.

Women in the Nagbalacan Loom Weavers Cooperative used to earn \$3-4 a day through weaving and selling their products in local fairs, to tourists, etc. This was not enough to get out of poverty but enough to buy food for the family. When COVID hit, the Philippine textile industry shut down leaving women without their basic source of income.

Through Celo and Impact Markets, the cooperative received unconditional weekly income. Women could access it through a few available smartphones some community members had using Cel's Valora App. This kept them afloat for a few weeks but the real unlock was the possibility to cut through middlemen and access International markets.

They used the Valora mobile wallet as a payment platform to connect with buyers in USA, France and Germany receiving \$955 cell USD I the first pilot month. They later set up PayChant, a dApp built on Celo where merchants of all sizes can open their own online stores ad accept crypto payments. Now women's livelihood is even more secure than before the income they received pre-pandemic.

DeFi for the people builds applications for everyone with a smartphone to access these decentralized markets. Fiat backed stable coins are stable because they have big liquidity. The deeper the pools, the more money then the less difference there is when you are trading two assets hence the more efficient it is. If there is a strong liquidity in the DeFi space with lending and borrowing in a very user friendly way, anyone can engage in it and put liquidity to productive use such as borrow to establish a business.

On the protocol, members can transact using cUSD, cEUR and cREAL (Brazilian currency). Celo has low and multicurrency gas fees hence one can pay transaction fees with stable coins just like every day money. Because there are no intermediaries, transfers happen almost instantly while proof-of-stake network ensure fees are lower than through banks and much lower when we speak about sending money internaltionlly to emerging markets.

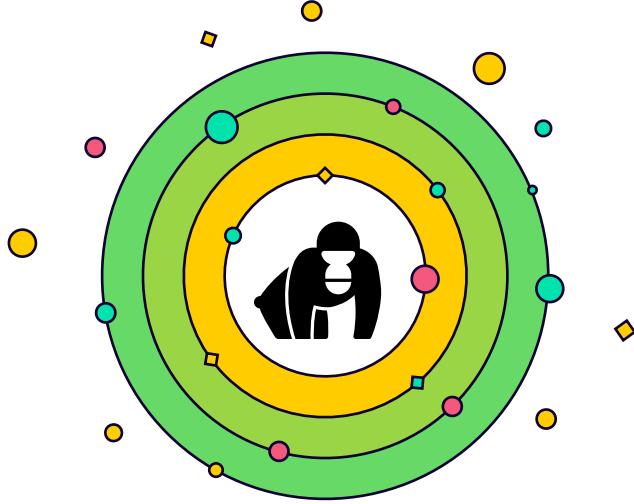
Beyond being a stable coin project, Celo is a Layer 1 others can build on top off. For example, the Kickstarter platform aims to become a decentraliced protocol and is building its platform on top of the Celo blockchain.

When we think about creating a new financial system we should internalize all pollution and resource extraction costs into the system. Natural Capital-backed currencies are a way to do that. We need these assets to be fully transparent, and high quality and verify that these are protected for the long term so we can use these as collateral for currencies that people will use for day to day transactions. The Sacred Economics book states that ‘whatever backs the money, people tend to do more off’. We can potentially use Celo to back the money with things we would like to see more off, we can back or collateralize money with nature and create very direct incentives to care for our ecology.

The Climate Collective aims to make Celo Network a carbon-negative currency by tokenizing at least 40% of Celo’s total reserve with carbon-sequestering natural assets. This acts as a carbon sink. The Celo Reserve holds around \$850M worth of assets. Using 40% of it would be sufficient to buy 135M rainforest trees and sequester around 43 megatons of CO₂ per year.

Celo builds tools for previously unbanked communities to transact value. The more humans have access to these currencies, the demand for the Celo currencies increases, the reserve grows and programmatically preserves more natural landscapes. Therefore we align economic growth with ecological health.

We can’t simply plant trees and hope they will grow and be cared for. The Climate Collective alongside others like Curve Labs, and Moss. Earth, Flow Carbon and Toucan are developing methodologies to restore, preserve and represent ecosystem health through a Natural Capital Token valuing activities like animal conservation, urban food forests, etc.



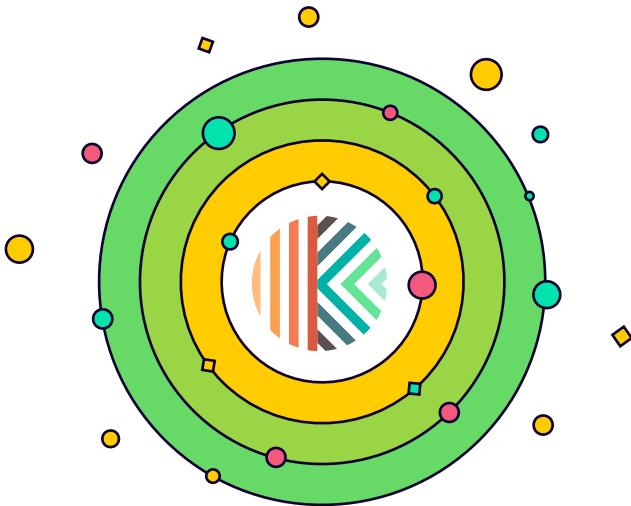
As we move towards increasing decentralization, and a larger number of DAO contributors coordinating towards shared goals, we need better mechanisms to compensate and recognize each other for the effort and passion we pour into DAOs. How do you properly incentivize and reward contributors?

Coordinape

Coordinape is a tool to understand how value moves through networks allowing DAOs to move decision making and resource allocation agency to the community. Contributors can directly recognize each other highlighting the intrinsic often unmeasurable value that can't be captured in units of output but rather by peer recognition. In cycles, each member has a set amount of allocation points, to give to the contributors they have worked with based on what they think of their effort and value provided. These inputs are built on sybil resistant social graphs where each line is an allocation from one member to the next.

A contributor graph is generated weighted towards the members that have the most interactions and allocations. Without top, down management nor HR, we can build a cohesive community to make the experience of working and contributing to DAOs more human and fair.

Zak to send me on-chain data tomorrow!



Earlier, we pointed to a more inclusive, diverse global monetary system, backed by natural assets or ecological benefits and regeneration, valuing what we should truly value and embedded with regenerative principles. How would such Local Impact Economies look in reality, how does web3 enable this? Let's zoom in.

Kolektivo

Kolektivo is enabling local impact economies for local communities to create and manage their own regenerative economy. While implementing their own framework for Kolektivo's first MVP in the Caribbean island of Curaçao. Local Impact Economies will become a forkable framework communities around the world will be able to implement towards regenerative societies.

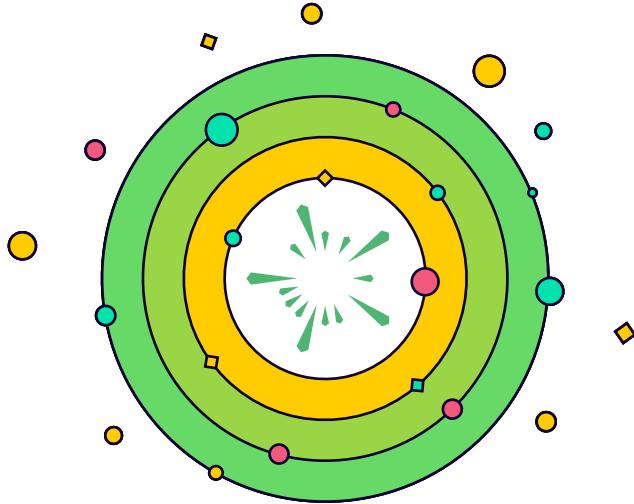
They have allocated over 40 grants (\$50K in total) to local impact projects proposed and elected by Kolektivo's community members. One of these includes planting 1500 M2 of Food Forest on the island, and over 300 local community members use the CuraDAI pilot app launched on the Fuse network as a hub to transact regenerative currencies across members.

How is web3 enabling regeneration?

Regenerative Assets: combining Astral protocol's location-based data protocol with Decentralized Storage solutions to measure and store data related to the state of Natural Assets to create Geo-special Impact NFTs (Regenerative Assets). This helps redirect funding and attention to more effective management of ecosystem assets and corresponding ecosystem services as well as reward actions that positively transform the ecological state of a certain area. The currency is backed by the Regenerative Assets. Parametric insurance can be activated to funnel funds to restore an area as soon as the data in the GeoNFT records a verifiable state condition eg. wind speeds greater than x.

An economic system that is driven by social impact – you do something for the community and get compensated within the same community economy. This currency operates on a blockchain to ensure transparency and accountability, to fairly distribute resources and set rules according to the objectives of its economy.

By taking “ownership” of their community services a multitude of individuals, community projects and organizations become self-sufficient and self-reliant. This offers an opportunity for(unemployed) individuals, social entrepreneurs, and organizations who currently participate in volunteer projects, to prosper and contribute to more well-being on the island. It does not measure its success by GDP, but by the collective impact created by and for its members hence protected from the global economy.



We also need the tools and knowledge so we can best exercise our agency to positively influence and preserve the biosphere. If we are using web3 to regenerate our earth, lets remember, earth cycles follow universal time, away from the speed of innovation in web3, it takes time for nature to grow thrive again, Regen Network explores how to tie the value of ecological health with our economy and identifying natural and blockchain primitives to do so.

Regen Network

Regen is creating an open-source toolkit to measure, value and improve the health of our natural world- to align our economy to regenerative ecological outcomes. Current registry programs are slow, expensive and opaque. Project developers have to pay \$20,000 to \$100,000, follow standard guidelines and lands stewards get 30% of the carbon credits they sell.

Regen's web3 native carbon and ecological asset registry is community driven, transparent and dynamic. The methodologies that form the registry holistically value ecosystems. Rather than saying we will focus on carbon and add co-benefits to these credits, now everyone can invest directly in all other ecological benefits which creates new nature-based markets.

Methodologies are frameworks on how to measure changes in an ecological state, ecological benefits and ecosystem's response to particular regenerative practices. This is key to develop accurate and transparent credits like blue carbon, ocean conservation, soil carbon, agroforestry, reforestation, biodiversity, species protection, local community development, working with indigenous knowledge and beyond. A reforestation methodology might answer- how do we measure biodiversity and species return, water quality in the groundwater, carbon sequestered and above ground mass?

Anyone can pick a methodology off the shelf, register their project, start implementing it and get financing for these through their marketplace. With on-chain governance tools, credits can also be used as local currencies. Working alongside, land stewards, biologists, data scientists, and others, Regen has developed over 40+ methodologies with 12 million hectares of ecological regeneration in the pipeline.

Although no credits have been created yet, (we cannot speed up nature's cycles) data on current projects is being stored on-chain through censoring and satellite imaging. They have also introduced QF to understand how do they allocate funding towards open-source research therefore greenpilling scientists, farmers and ecological institutions and universities.



Lets zoom out again. What do we even mean by carbon credits? What does web3 and carbon have to do with regenerating our earth? As the blockchain ecosystem grows how do we build a financial system that is regenerative by design? Can we weave climate action into the fabric of web3?

Toucan

Although regeneration encompasses all living systems, the path there starts with carbon. Toucan is a base layer building blocks enabling the infrastructure to bridge voluntary carbon market on to public blockchains. By tokenising carbon we have an enhanced utility other projects can build ontop to put climate action at the core of the financial applications that we use everyday.

Carbon markets are fragmented, opaque, bureaucratic and hard to access. Value is extracted by the middleman constraining flow of capital to the impact projects on the ground– doing the actual work to stabilize the atmosphere. Removing the middlemen replacing them with transparent economic code (smart contracts) digitizing carbon leads to more efficient and transparent carbon markets improving the flow of money to scale up the supply. The Toucan Carbon Bridge tokenizes real world assets (verified carbon credits) on a blockchain based meta registry--an interoperable system where carbon credits from different registries can be compared and bundled together.

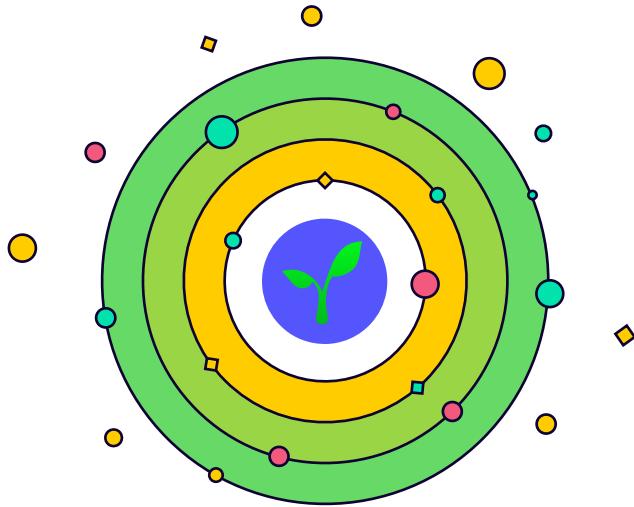
As a user you can go to Toucan.earth and retire a carbon credit from the Verra registry one to one to a carbon token transferring the functionality of the credit and all of its attributes tied to a smart contract. Credits are valued differently depending on its attributes like the project it is issued from, the year, co-benefits, methodology used to verify the climate impact took place, etc.

Fractionalization and tradeability increases liquidity of carbon markets as anyone with a wallet can hold, buy, sell and retire carbon tokens. Fractionalized access is key as you don't need to own a full carbon token. Previously to purchase more expensive credits, registries would bundle up retirement on behalf of many users and performed one retirement. Toucan's native fractionalization and open access data increases transparency and traceability anyone can query the on-chain registry for transaction history, ownership or data on a particular project.

Carbon credits are not fungible, specifics matter and it is difficult to find transparent price for credits of certain standards. Toucan Carbon Pools are smart contract accounts that hold sets of carbon tokens with a minimum shared set of attributes. E.g, Nature Carbon Tonne (NCT) pool only holds carbon offsets from nature based methodologies with environmental co-benefits. You deposit to a specific carbon pool, you receive a carbon reference token unique to that carbon pool. This carbon reference token is useful across the decentralized ecosystem and serves as a redeemable coupon for a carbon token in the pool. Carbon markets put a price on polluting the atmosphere--matching a polluting negative externality with a positive one for a balanced carbon budget. As of April 3rd 303,00 tonnes have been bridged and 1325 tonnes retired. On chain activity:

Beyond markets, what can we build with tokenized carbon credits?

By tokenizing carbon credits, pooling liquidity Toucan many regenerative finance applications can be built on top. Projects like Senken enables a experience to find and purchase credits, Kumo earth uses carbon tokens as collateral for currencies, trading on Uniswap, Return protocol automatically embeds carbon offsetting into any transaction, Regen and Moss bridge credits from other environmental assets, and more collaborators. With the enhanced utility of carbon credits we can put climate action at the core of our everyday financial system- just by having, holding and using money we can contribute to a regenerative economy.



Radicle & Drips

Sharing code freely and publicly has made it drastically cheaper and easier to build software but platforms for code collaboration hosted by corporations are vulnerable to censorship and capitalist ends without distributing the value to the communities that created it. Radicle is a web3 network for software collaboration – a peer-to-peer stack for developer communities to build software together. Teams can use Radicle Orgs to create sovereign and platform agnostic DAOs hosting peer-to-peer repositories while maintaining an auditable, transparent history on Ethereum. What does this mean? The codebase is accessible to anyone in the world, free, user-friendly, accessible, uncensorable and with no single point of failure.

Let's focus on Radicle Drips. At its core, Drips are used to create recurring funding streams from one address to another allowing creators to generate continuous income from their communities. The broader shift behind this functionality is to put redistribution at the center of the web3 ecosystem.

Any Eth address can automatically spread or “drip” a percentage of their funds to others. Use cases vary from setting recurring payments for DAO contributors to a sustainable creator economy as artists or developers receive recurring payments rather than hustling for the next NFT drop or grant application. Recipients can choose to involve their supporters with benefits or through Snapshot spaces to participate on decisions like future roadmaps. Using drips, anyone can fund and manage mutual support flow networks.

Splits automatically split a portion of incoming drips to others. With Splits, the value keeps flowing as the recipient chooses to pass along (re-distribute) a percentage of their drips to other communities, collaborators or projects on platforms like Giveth and Gitcoin.

Sharing one’s drip to others creates a positive sum ecosystem circulating value rather than locking it up. Open source software projects can receive drips and split these funds to other open source tools they depend on. Communities can direct Drips to public goods (or Impact DAOs) they care about and benefit from. These Impact DAOs can Split received drips to redistribute to projects in their Impact DAO stack that enabled them to achieve positive outcomes. Radicle Drips creates a circular and redistributive funding ecosystem.

radicle DRIPS