ANGEL PROTOCOL
LITEPAPER

GIVE ONCE. GIVE FOREVER.

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EXECUTIVE SUMMARY

ANGEL PROTOCOL'S VISION IS TO SOLVE HUMANITY'S GREATEST CHALLENGES BY EMPOWERING CHARITIES WITH FINANCIAL FREEDOM.

We will democratize access to the best financial tools and put sustainable, influence-free money in the hands of charities on the frontlines of creating a more justice-centered world.

To do this, we will harness the robust Terra ecosystem to create transparent, secure, and perpetually growing endowment accounts. We have ambitious goals for the future of giving and the collective potential of engaged donors to rethink old structures of monetary power and influence. We seek to rewrite the narrative through equitable redistribution and better value alignment of the new collective economy, cemented in code.

In the US, 30% of nonprofits face potential liquidity issues and 50% have less than one month of operating reserves, **making them over-reliant on donations and financially vulnerable**. Additionally, the lack of long-term operating reserves creates existential challenges for charities including poor predictability of volatile cash flows, a significant allocation of time and resources, and compromised charity vision.

Our goal is to disrupt this outdated model. With over 25 charities already committed prior to launch, we are rapidly onboarding organizations aligned with the **17 UN Sustainable Development Goals**. Any charitable organization can create their own endowment directly on our platform, with no onboarding cost or setup fees. All that is needed is a Terra wallet address.

Donors benefit from a simple platform where one can easily discover charities that inspire them in just a few clicks. The platform will support donations in all major cryptocurrencies and fiat currencies. Donors can opt-in for passing a light KYC in order to receive a tax receipt and to be eligible for tax relief mechanisms in their country of origin.

Angel Protocol will tap into **Anchor Earn** and other yield-producing assets such as those offered by **ApolloDAO** and **Spar** to offer extraordinarily attractive returns for relatively low, insurable risk. A portion of these returns will be immediately available for charity use, while the rest will be automatically reinvested into the endowment and compounded in perpetuity.

We are so proud and truly grateful to be part of the Terra community and the creation of the **Terra Charity Alliance**; 43 (and growing) Terra protocols, validators & NFT projects have taken a giving pledge to commit a portion of their revenue to charity. We do not take this responsibility lightly. We have designed an equitable, transparent, and secure mechanism for distribution of recurring donations through our rotating Charity Indexes.

Simply by existing, Terra Charity Alliance members are powering positive change in the world while securing the health of Terra with a locked, compounding UST floor. Terra is the blockchain for charity. It's literally coded into our smart contract DNA.

Our endowment financial primitive allows for expanded use cases and is designed for fluid deployment with no additional line of code. Beyond our Charity Indexes and Marketplace, Angel Protocol seeks to remove all barriers to financial empowerment by developing improved donor-advised funds, microfinancing, personal endowment accounts, crowdfunding and Universal Basic Income.

A thoughtful and intentional governance structure is paramount to ensure long-term impact for Angel Protocol. To accomplish our goals, we will be creating the world's first Decentralized Autonomous Non-Profit Organization (or DANO), whose governance will be driven by its native token, $HALO.

In partnership with Delphi Digital, we set out to design a token that captures value for the main stakeholders of the Angel Protocol ecosystem; namely charities, donors, and stakers. Our goal is to incentivize the actions of curating, donating and governing whilst allowing participants to benefit in the upside as the endowment grows over time.

INTRODUCTION TO
ANGEL PROTOCOL

There is a direct correlation between a charity's annual revenue and its cash reserves for operations. The lower a charity's annual revenue, the lower its operational reserves, and the higher its degree of financial vulnerability. This situation is exacerbated in countries with less established economies.

Large wealthy charities and foundations operate by setting-up funds that invest in for-profit businesses, allocate part of the profits to the charitable causes they serve and reinvest the rest to grow in perpetuity. These funds are called endowments. The problem? The barriers to entry are too great for most charities to gain access to an endowment.

THIS IS WHERE ANGEL PROTOCOL COMES IN.

Angel Protocol is a global social enterprise that leverages revolutionary decentralized finance (DeFi) yield mechanisms such as Anchor Protocol's 20% 'Earn' functionality to create perpetual charity endowments.

These endowments enable donations to compound over time. A portion of the interest generated is reinvested, perpetually growing the endowment, with the remainder being made immediately available to the charity for use. Through Angel Protocol, we seek to empower charities with a pathway to financial freedom.

This continuity of funding will build resilience in communities with which charities collaborate. It will foster greater transparency in funding flows, increase the future donor base by engaging new donors, and provide free access to the world's best financial products.

To borrow phrasing from Terra's defining white paper, we believe there is demand for a decentralized, price-stable and transparent charity protocol in both fiat and blockchain economies. Such a protocol has the potential to be the largest community-owned charity in the world, brought together under a shared vision:

Solve humanity's greatest challenges by empowering charities with financial freedom.

HOW WE SUPPORT CHARITIES

The DeFi tools utilizing cryptocurrencies make achieving financial sustainability easier to achieve than ever before. Our biggest challenge to scale is getting non-crypto native charities engaged with these tools. To accomplish this we must make our service as simple to understand and use as possible.

FOR DONORS

To connect donors to charities, we have created a simple platform where donors can easily find a charity that inspires them to donate in just a few clicks. The platform will support donations in fiat currencies, through our Terra-native on-ramp partners **Kado**, **Alice**, **Astral**, **Kash**, Spaar, **Tiiik** and others.

For donors with a crypto wallet, it will be possible to make donations in all major cryptocurrencies, courtesy of **Loop** and their integration with Thorchain. Donors will be able to donate in all Terra currencies. All funds received will be immediately converted to $UST and locked in the charities' endowments to compound in perpetuity.

Donors will be able to opt-in for passing a light KYC in order to receive a tax receipt and be eligible for tax relief mechanisms in their country of origin. This option will be available in the US first. We plan to roll-out this option to other countries as soon as possible.

The platform is due to be launched in November 2021, approximately six weeks after the soft launch of our MVP in October 2021 to allow for audits and testing of our smart contracts.

INTRODUCTION TO ANGEL PROTOCOL

INTRODUCTION TO ANGEL PROTOCOL

FOR CHARITIES

Any charitable organization can create their own endowment directly on our platform, with no onboarding cost or setup fees. All they need is a Terra wallet address that they create on their own or through a custodian such as Fireblocks, directly available on our platform, thanks to our partner **Kado**.

Endowments are financial vehicles designed to receive contributions and invest them into income-producing assets, keeping the principal amount intact while using the income for charitable efforts.

DONOR — Donates $100 → **ACCOUNT** — Receive $20 → **CHARITY**

Invests $80

Reinvests at least $4/yr, **every year, forever**

Receive at least $12/yr, **every year, forever**
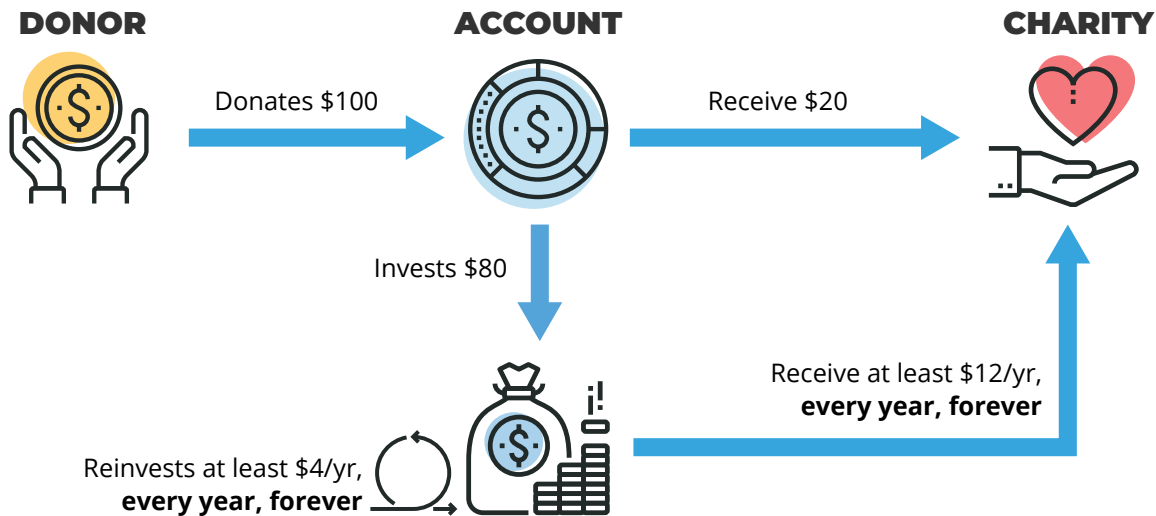
In this illustration, a donor chooses to donate $100 to a charity through **Angel Protocol's** platform. At the time of the donation, they have set up 20% to be donated immediately to the charity and 80% to be donated to the charity's endowment.

Our endowment automatically invests the $80 it receives into DeFi assets following a strategy pre-defined by the charity. At 20% APY, as is available with Anchor Protocol, the endowment generates $16 the first year.

Out of those $16, $12 (75%) is distributed to the charity and $4 (25%) is reinvested into the charities' endowment. In the second year, the endowment distributes $12.60 and reinvests $4.20, and so on, with the principal amount of the endowment growing in perpetuity. It doesn't seem much initially, but the compound effect adds up quickly:

In year five, the $80 principal will have grown to $102 and the endowment will have contributed $86 to the charity's cause. After twenty years, the endowment's principal would have grown to $212 and $416 would have been distributed cumulatively to the charity, all from a one-time $80 initial donation. Now imagine that compounding effect on larger, pooled donation amounts from the community. Can you begin to see a world where charities truly are financially free?

With donations received and invested on a regular basis, endowments are a true game changer for charities that are struggling with unreliable income.

With Anchor Earn and other yield-producing assets such as those offered by **ApolloDAO**, **Spar**, and other Terra protocols, our endowments will be able to offer extraordinarily attractive returns that will outperform institutional endowments, for relatively low, insurable, risk.

	Principal	Donations
YEAR 1	80	20
YEAR 5	102	86
YEAR 20	212	416
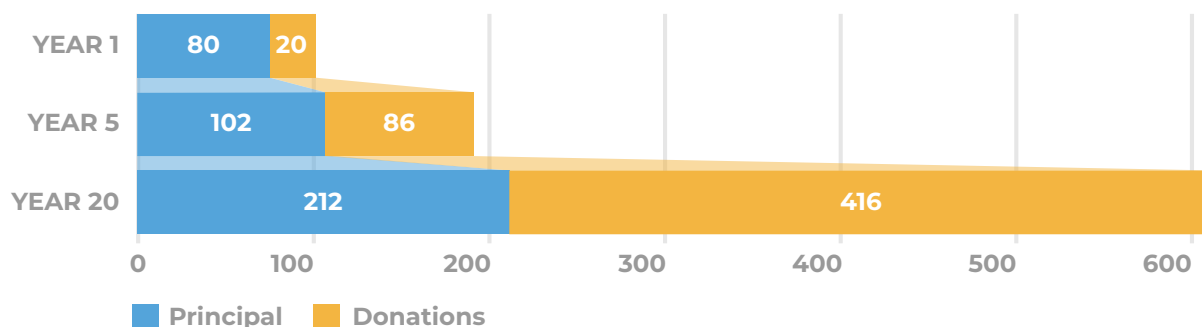
INTRODUCTION TO ANGEL PROTOCOL

ONBOARDED CHARITIES

We've signed over 25 charities so far with numbers increasing daily. We're incredibly grateful to support, among others, the following charitable organizations

Liter of Light is a global, grassroots organization that provides affordable, sustainable solar light to people with limited or no access to electricity.

Global Brigades is an international non-profit development organization that works to resolve poverty and help geographically isolated and resource limited communities accomplish their health and economic goals.

Yellow Boat of Hope Foundation provides transportation to and from school to children living on remote islands in the Philippines.They are also improving education infrastructure by building classrooms, schools, dormitories, and childcare facilities to ensure no child is left behind.

Pro2Tect combines grassroots beach cleanups with cutting edge technology to remove plastics from the ocean, increase environmental awareness, and protect our ocean ecosystems.

BetterMe is a German non-profit organization empowering children and youth in Kenya through educational programs.

Refugee Girls Need You supports teenage refugee girls in Rwanda by connecting them with mentors to promote their personal development and encourage them to dare to live their dreams.

Animal Ethics aims to achieve a shift in the attitudes towards nonhuman animals. Animal Ethics increases public education about animal ethics and supports research in related areas.

Technovation Rwanda is a non-profit organization that empowers girls to become tech-leaders, entrepreneurs, creators, and problem-solvers. With the support of volunteers and mentors, girls work in teams and learn to code mobile apps that address real-world problems.

AUTOMATED CHARITABLE DONATIONS

AUTOMATED DONATIONS:
THE TERRA CHARITY ALLIANCE

The Terra Charity Alliance has been one of the most incredible developments along this journey. What began with a tweet from ApolloDAO about donating 1% of their revenue to Angel charities was followed by Loop Finance dedicating an entire 10% of its token supply to be staked for charity yield, and has ultimately snowballed into a giving pledge across over 43 Terra protocols, validators & NFT projects. By the time you read this, this count will most likely be outdated.

Simply by existing and operating, Terra Charity Alliance members are powering positive change in the world while securing the health of Terra with a locked, compounding UST floor. Terra is the blockchain for charity. It's literally coded into our smart contract DNA.

To put things into perspective, the first protocol of the Terra Charity Alliance to launch, ApolloDAO, raised $3,000 for charity on their first day of operations.

TERRA CHARITY
A L L I A N C E

PROTOCOL

ANGEL · LOOP · APOLLO · PLUTO'S POT · KUJIRA · ORION · BETTERRA · CRYPTO 11 · WHITE WHALE · TALIS · PYLON

KASH · SPAAR. · MAVOLO · STARTERRA · ASTRAL · ALICE · TSUNAMI · KINETIC MONEY · EDGE · SPAR · KADO

FANTASY INVESTAR · NEPTUNE FINANCE · LOTERRA · MINERVA · PRISM

VALIDATOR

ANGEL · SMARTSTAKE · LUNA ORBIT · MARTE CLOUD

NFT

TERRANS · LUNABULLS · TALES OF TERRA · ASTRONORCS · TERRAFITS · LUNA MILLIONARE PORTRAIT · HERO · GALACTIC PUNKS · ASTROVERSE · LUNART

AUTOMATED CHARITABLE DONATIONS

In the long run, we estimate their contribution to Angel Protocol to amount to >$200,000 per year. And that's just one of the many protocols that have pledged to the Terra Charity Alliance.

Generous donors have already raised almost $100,000 for Angel Protocol through charity auctions on **LunaLoot** in the very first few weeks of existence of the **emerging Terra art scene**. We have received overwhelming support from the NFT community with new projects pledging to the Terra Charity Alliance daily.

With a pool of funds already available, establishing the pathway to equitable, transparent, and secure distribution is our first order of business. To do this, we will align ourselves with the taxonomy of the **17 UN Sustainable Development Goals**. We will create 17 unique Indexes each composed of 10 charitable organizations.

One Index at a time will be highlighted to receive automatic donations. Automatic donations from the Terra Charity Alliance will be transferred to the ten charities' endowments until the predefined fundraising threshold or time horizon is met. Then, the next UN Sustainable Development Goal Index will be highlighted and this funding cycle will repeat.

As we expand our charity partnership reach, the community will play an active role in governance and curation of the ten organizations making up each index, while also ensuring all engaged charities will have access to automated donations.

The 43 (and growing) projects within the Terra Charity Alliance demonstrate the commitment of the Terra ecosystem to rethinking old structures of monetary power and influence. We seek to rewrite the narrative through equitable redistribution and better value alignment of the new collective economy, cemented in code.

We will democratize access to the best financial tools and put sustainable, influence free money in the hands of charities on the frontlines of creating a more justice-centered world. This translates to a constant inflow of funds to be deployed through our Charity Indexes, and transparently distributed to vetted charities

AUTOMATED DONATIONS:
THE ANGEL PROTOCOL VALIDATOR

We launched our validator earlier this year to allow the Terra community to join in our effort to build Angel Protocol and we have, once again, been overwhelmed by all the support. Up to 350,000 $LUNA have been delegated to the Angel Protocol validator, helping us secure $31,000 to deliver on our mission and donating more than $4,000 to charities with our 10% giving pledge.

Once we go live and secure funding for the next phase of our growth (more on this soon), we will donate 100% of our validator proceeds to charity, adding to the recurring donations from the Terra Charity Alliance. This will allow $LUNA holders to donate to charity while keeping exposure to the fluctuations of the $LUNA price.

THE ENDOWMENT FINANCIAL PRIMITIVE

We started Angel Protocol with the intention to solve humanity's greatest challenges by empowering charities with financial freedom. Non-custodial, DeFi-based endowments are perfect for this use case.

When we were drafting the architecture of our product, it became clear that endowments for charities would not be the only use case. Our initial design has evolved to enable seamless deployment of our endowment financial primitive without the need to write one additional line of code.

This means that the market opportunity for our endowment DeFi primitive is huge. Adding to a potential volume of $560 bn p.a. for the charities sector, or "vertical", we have identified the following use cases:

Donor-advised funds ($142 bn in the US alone): donor-advised funds are used by high net-worth individuals and corporations to make large tax deductible donations at a time convenient to the donor. These funds are under the legal control of the charity receiving the donation, and donors may "advise" when to grant these funds out for particular projects.

DAFs have come under scrutiny as funds historically have sat idle, while collecting market rate returns and favorable tax incentives. According to a report by the **National Philanthropic Trust**, out of about $142 billion parked in DAFs in 2019, only $27 billion was released to charities. There is often a disconnect between the pool of funds and access to high impact projects. We believe this is ripe for disruption. By onboarding DAFs and plugging them into our Charity Indexes, we can ensure automated, rapid deployment of funds, while transparently tracking every financial action through the blockchain. We are currently building the infrastructure for this vertical, and if successful, this will significantly increase the TVL within Angel Protocol.

Microfinance ($250 bn globally): the world of microfinance is nuanced. It has helped, and is still helping, hundreds of thousands of people develop their businesses, support their families and improve their livelihoods. But, its initial predatory lending practices created a debt bubble that led to catastrophic outcomes **for the borrowers and users of these financial instruments**. We believe everyone deserves fair access to the best financial tools.

THE ENDOWMENT FINANCIAL PRIMITIVE

With our endowments, investors would be able to protect their capital by allocating a portion to Anchor and/or other DeFi yielding assets and put the remainder in the hands of carefully curated Micro Finance Institutions (MFIs). We hope that decreased pressure on return requirements would translate into lower interest rates to loans made to MFIs and, in turn, lower interest rates to the final beneficiaries of micro loans.

Finally, the endowments could be used by the MFIs themselves as the infrastructure to provide collateralized loans, with the collateral invested and generating yield, at the same time de-risking the loan and introducing highly attractive savings products to communities that are underserved by the traditional financial system.

Personal endowments ($1 tn in the US alone): Personal endowments are endowments set-up to the benefit of individuals. They comprise endowments that could be used for retirement purposes (the endowment would be funded by either the employer or the employee and unlocked after a defined period of time), college savings funds, or other funds where a family member sets up a locked savings account for another family member.

Crowdfunding: In many cases community members have acute needs that can't be met by a charitable organization. Crowdfunding can be used to raise money for various needs and life events, ranging from celebrations to unfortunate illnesses. With both yield redirection & endowment functionality, we can raise funds for the causes at hand while ensuring more is left to fund the causes that will need it in the future. Paying it forward has never been easier.

Universal Basic Income: A UBI program is simply a public entity making recurring contributions to a vehicle that regularly distributes fixed amounts to a population of many. Add high yielding investments into the mix and we have the perfect rails for successful long-term UBI programs. The compound effect shines best on a long-term scale.

We're conscious that it may prove strenuous to implement UBI at scale, but we are convinced that the time has come to transition towards the next generation of society; one where citizens don't have to sacrifice their true nature to cover basic needs such as shelter, food and clothing. You can be assured that we will work very hard to make this a reality.

More use cases? We haven't thought of everything, and our endowments can be repurposed for hundreds of other use cases. As an open protocol, we want to encourage anyone to build upon our foundation.

Finally, we asked ourselves: how do we harness this huge market opportunity to deliver on our mission and ensure revenue flows back to charity?

By placing all the verticals under one roof: the world's first **Decentralized Autonomous Non-Profit Organization** (or DANO).

THE DANO
DECENTRALIZED AUTONOMOUS NON-PROFIT ORGANIZATION

The DANO is the decentralized body that governs Angel Protocol. It has been designed to serve one purpose, The Angel Protocol mission: Solve humanity's greatest challenges by empowering charities with financial freedom.

GOVERNANCE
Governance plays a central role in the vitality of Angel Protocol. The DANO ensures that donor funds are safely passed on to charities and, in the case of the Indexes, that the donations are distributed equitably and predictably among charities.

The DANO must operate with the utmost transparency and accountability, as would be expected from any charitable organization. To accomplish this, all DANO governance happens on-chain, eliminating opportunities for fraudulent activities.

The DANO has a structure inspired by charitable organizations. A Board of Directors is elected on-chain by token holders for a set term. The role of the Board of Directors of the DANO is to provide strategic guidance, settle arbitration, and nominate four officers who will be responsible for day-to-day operations.

The Board of Directors will establish an Audit & Finance committee, which oversees the financial aspects of the DANO's operations and publishes annual reports. The Board of Directors is also responsible for creating a charity screening committee to review applications, perform due diligence and validate the charities included in the Indexes.

To take part in the governance of Angel Protocol, token holders stake the DANO's native token $HALO directly to the charities of their choice, via charity sub-DAOs.

In an effort to ensure $HALO is held in charitable hands, the primary means of $HALO distribution will be through bootstrapping charitable giving; when funds are donated to a charity, the donated funds are matched with $HALO of a proportional value, for both charities and donors. $HALO will also be distributed through airdrops for $LUNA and $ANC stakers, with a bonus airdrop for **Angel Protocol validator** stakers.

Stakers of the Angel Protocol $HALO token have veto power over any of the decisions taken by the Board of Directors mentioned above. In the case where malicious activity is suspected to take place on the network, token holders benefit from special "injunction proposal" rights

over any Board Member, Officer, decision, charity, MFI or yielding asset, whereby a special procedure is triggered to determine if the proposal is valid and to offer fast arbitration and injunction action if necessary.

At the time of writing, token holders have a direct influence on more than 35 parameters of the DANO and this number can only increase as the governance gains in sophistication and endowment verticals expand.

STAKING THROUGH CHARITY SUB-DAOS
Each charity benefits from the creation of a sub-DAO. As well as enabling the donor to take part in the governance of Angel Protocol, staking $HALO through a charity sub-DAO means that charities benefit even further. More tokens being staked to a sub-DAO equates to:
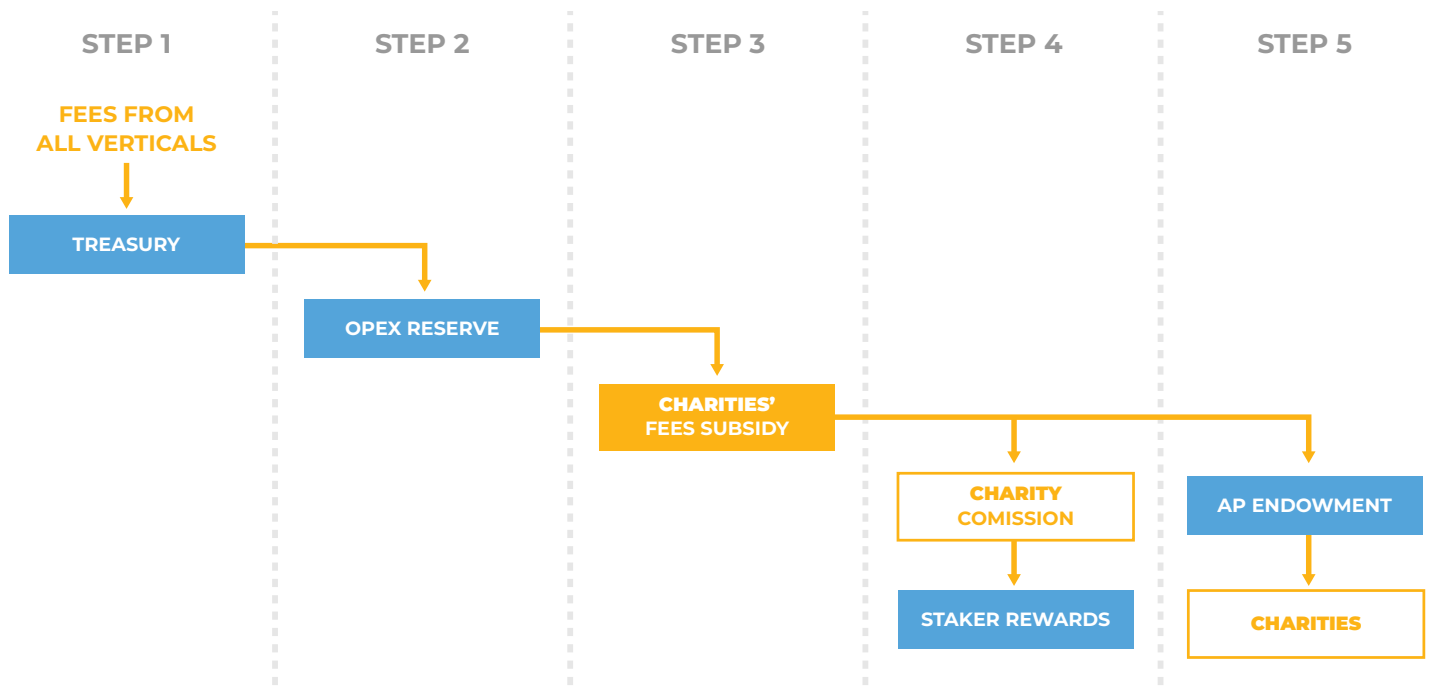
- Increased visibility on Angel Protocol's Charity Marketplace

- A higher chance to be included in the Charity Indexes

- Capturing a portion of protocol fees originating from other verticals (through a validator-like commission)

$HALO token holders have exclusive rights to participate in governance decisions for those charities with which they have staked. Such governance decisions might include the unlocking of funds from a charity's endowment for emergency use or voting on charity created proposals and strategic direction.

$HALO token holders are rewarded with 50% of the fees generated by the endowments of the charities they support by staking. To avoid a concentration of tokens staked to the charities generating the most fees, and to encourage staking to lesser-known charities, we're implementing staking through sub-linear bonding curves. More details on this subject are provided in the next section.

Above all, charity sub-DAOs create a privileged space to exchange ideas and organically create a strong sense of community between a charity and its base of supporters.

THE DANO (DECENTRALIZED AUTONOMOUS NON-PROFIT ORGANIZATION)

FEES FROM ALL VERTICALS → **TREASURY** → **OPEX RESERVE** → **CHARITIES' FEES SUBSIDY** → **CHARITY COMISSION** → **STAKER REWARDS**

CHARITIES' FEES SUBSIDY → **AP ENDOWMENT** → **CHARITIES**

TREASURY

The DANO's treasury is where the magic happens. Fees received across all verticals are programmatically distributed according to the following waterfall, designed with one goal in mind: benefiting charities.

STEP 1: Fees generated by all verticals are automatically transferred to the Treasury. (note: the Treasury only receives 50% of the fees generated by the Charities vertical as 50% have previously been paid-out to stakers)

STEP 2: Fees are sent to the Opex Reserve account, controlled by the officers of the DANO and designed to cover the costs of DANO day-to-day operations. The budget of the DANO is set on-chain by the Finance & Audit Committee, mentioned previously.

STEP 3: Once the Opex Reserve has accumulated enough fees to cover the budget of the DANO, all remaining fees are transferred to a smart contract that repays the fees paid by charities' endowments the week prior. With this mechanism,

- Charities can enjoy zero costs on their endowments, effectively subsidized by the other verticals, and

- Stakers get rewarded for their participation in the network.

STEP 4: All remaining fees after Step 3 are split between:

(i) Additional distributions that follow a Delegated Proof-of-Stake validator/delegator model (like Terra): fees are distributed to charities proportional to the number of $HALO tokens that have been staked to them. Charities keep a commission and distribute the remainder to their stakers.

(ii) An Angel Protocol endowment that periodically distributes interests to charity.

$HALO AND TOKENOMICS

TOKEN DESIGN

We set out to design a token that captures value for the main stakeholders of the Angel Protocol ecosystem; namely charities, donors, and stakers. Our goal is to incentivize the actions of curating, donating and governing whilst allowing participants to benefit in the upside as the endowment grows over time.

In order to do this, we've implemented a prediction market style design, borrowing a concept from **The Graph**: a bonding curve based token curated registry.

At a high level, users can interact with a bonding curve of a particular charity by staking $HALO tokens into the bonding curve's reserve pool. When they stake,

the bonding curve mints the corresponding amount of Charity Shares (CS) for the user based on the pricing algorithm. A rational curator will signal $HALO toward charities they would like to back, and/or charities they predict will generate the most yield.

Charity Shares can always be exchanged back through the bonding curve for $HALO tokens in the bonding curve's reserve pool. To prevent gamification of the bonding curve, an unstaking period will be instituted when redeeming $HALO tokens. This will initially be set at 21 days.

STAKE　　　　　　　　**MINT**

$HALO	**1** ⟶	BONDING CURVE	**1** ⟶	CHARITY SHARES
	2 ⟵		**2** ⟵	

REDEEM　　　　　　　　**BURN**
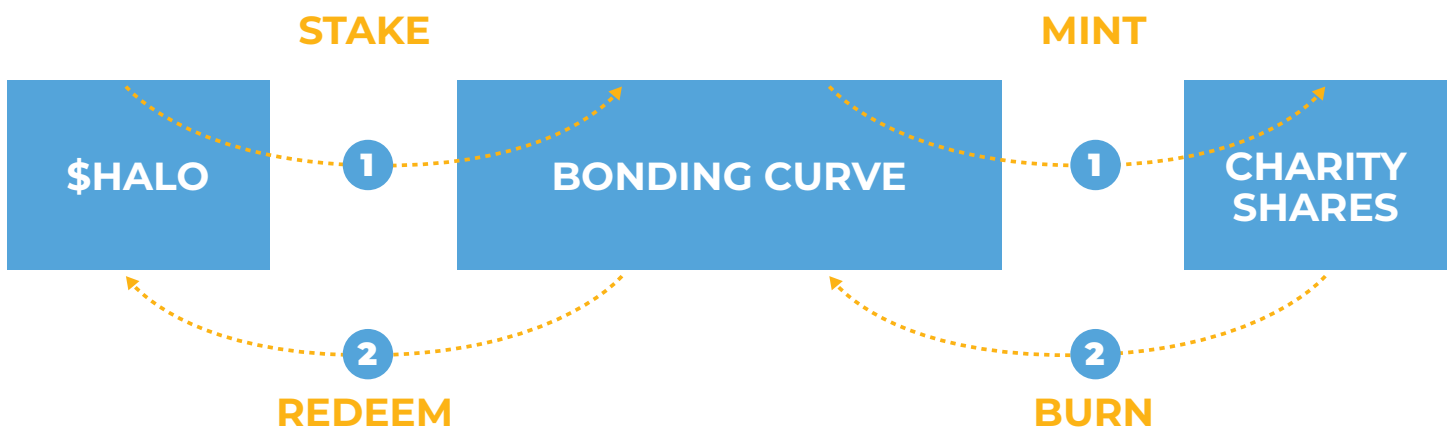
1 STAKING $HALO TOKENS

- $HALO holders can deposit $HALO into a selected Charity's bonding curve in exchange for Charity Shares

- The ratio of Staked $HALO to Charity Shares is determined by a pricing algorithm

2 REDEEMING HALO TOKENS

- Charity Shares can be exchange for $HALO tokens

- The number of $HALO tokens redeemed per Charity Share is determined by a pricing algorithm
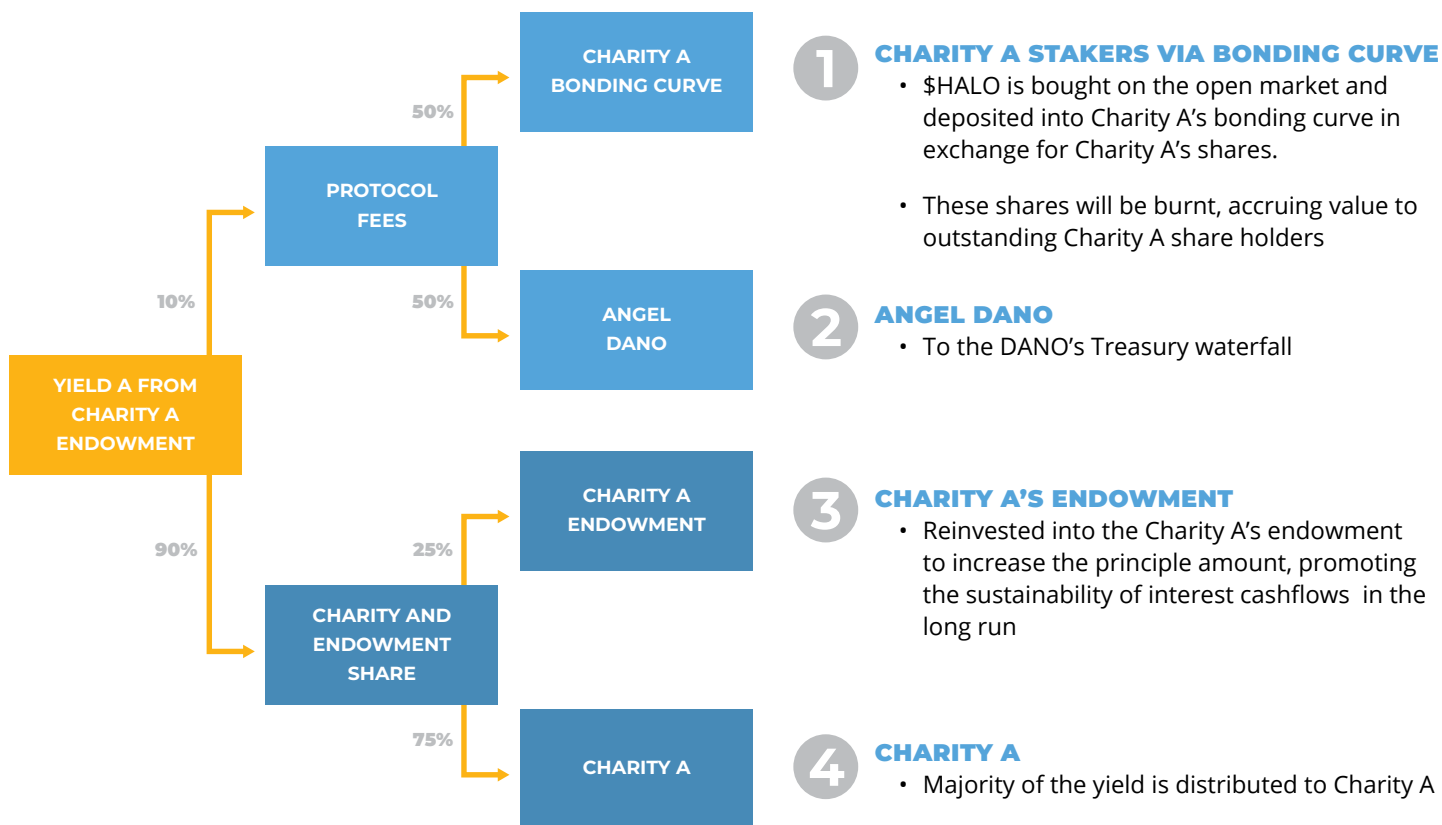
$HALO AND TOKENOMICS

The direct transfer of value from charities' endowment fees to token holders through yield creates a situation where token holders could be incentivized to only stake to the largest and richest charities for financial gain.

To remedy this situation, the Protocol will use concave (or sublinear) bonding curves. Concave bonding curves reward stakeholders who support charities early on, while limiting the upside of rent-seeking agents that stake against established charities for pure financial gain.
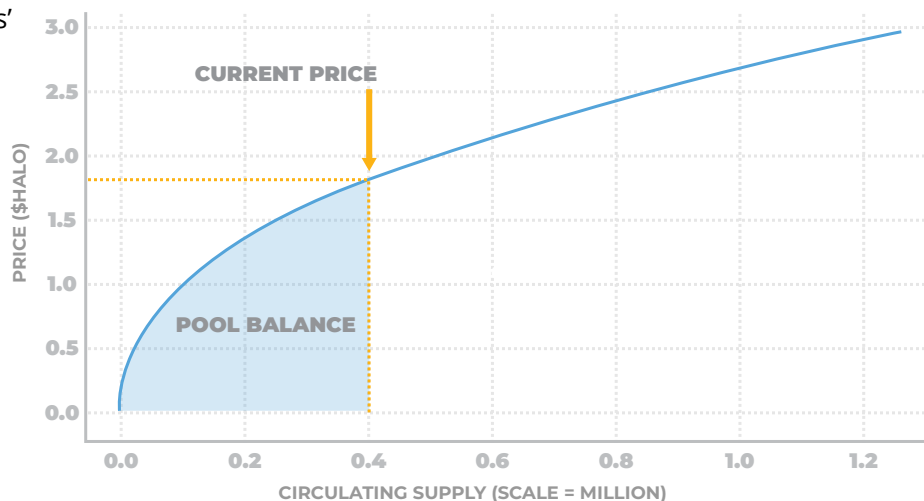
VALUE FLOWS

Yield to stakers is distributed via buyback and deposit of $HALO into the bonding curve. The corresponding CS obtained will be burnt, accruing value to existing charity shareholders as they can now redeem more $HALO per share. Additionally, the burning of CS tokens effectively increases the floor price of the bonding curve, de-risking staking to a degree.

1 CHARITY A STAKERS VIA BONDING CURVE
- $HALO is bought on the open market and deposited into Charity A's bonding curve in exchange for Charity A's shares.
- These shares will be burnt, accruing value to outstanding Charity A share holders

2 ANGEL DANO
- To the DANO's Treasury waterfall

3 CHARITY A'S ENDOWMENT
- Reinvested into the Charity A's endowment to increase the principle amount, promoting the sustainability of interest cashflows in the long run

4 CHARITY A
- Majority of the yield is distributed to Charity A

$HALO AND TOKENOMICS

LIQUIDITY MINING PROGRAM / DONATION MATCHING

We propose an incentive program with the objectives of bootstrapping usage of the platform, growing donations and TVL in the bonding curve, and encouraging broad distribution of the token to key stakeholders.

To bootstrap charitable giving, donations through Angel Protocol will be matched with a proportional value of $HALO and deposited into the Charity's bonding curve.
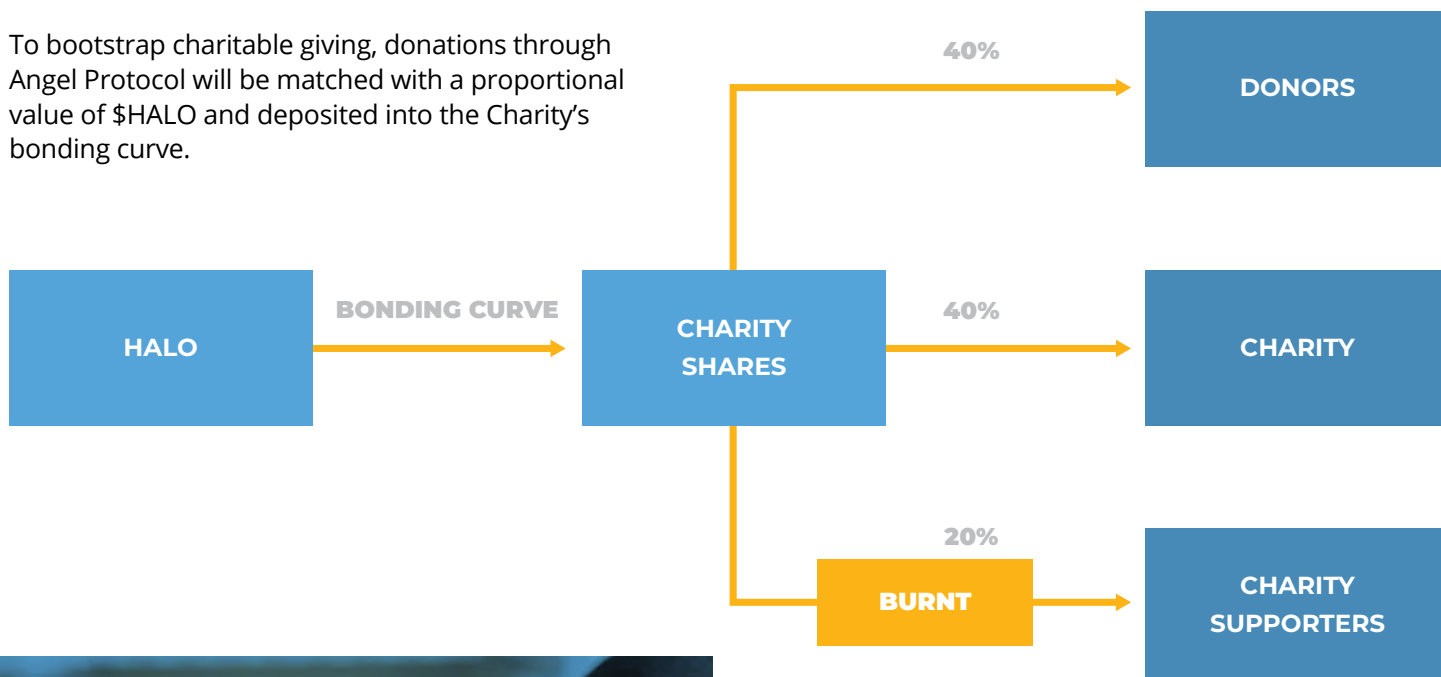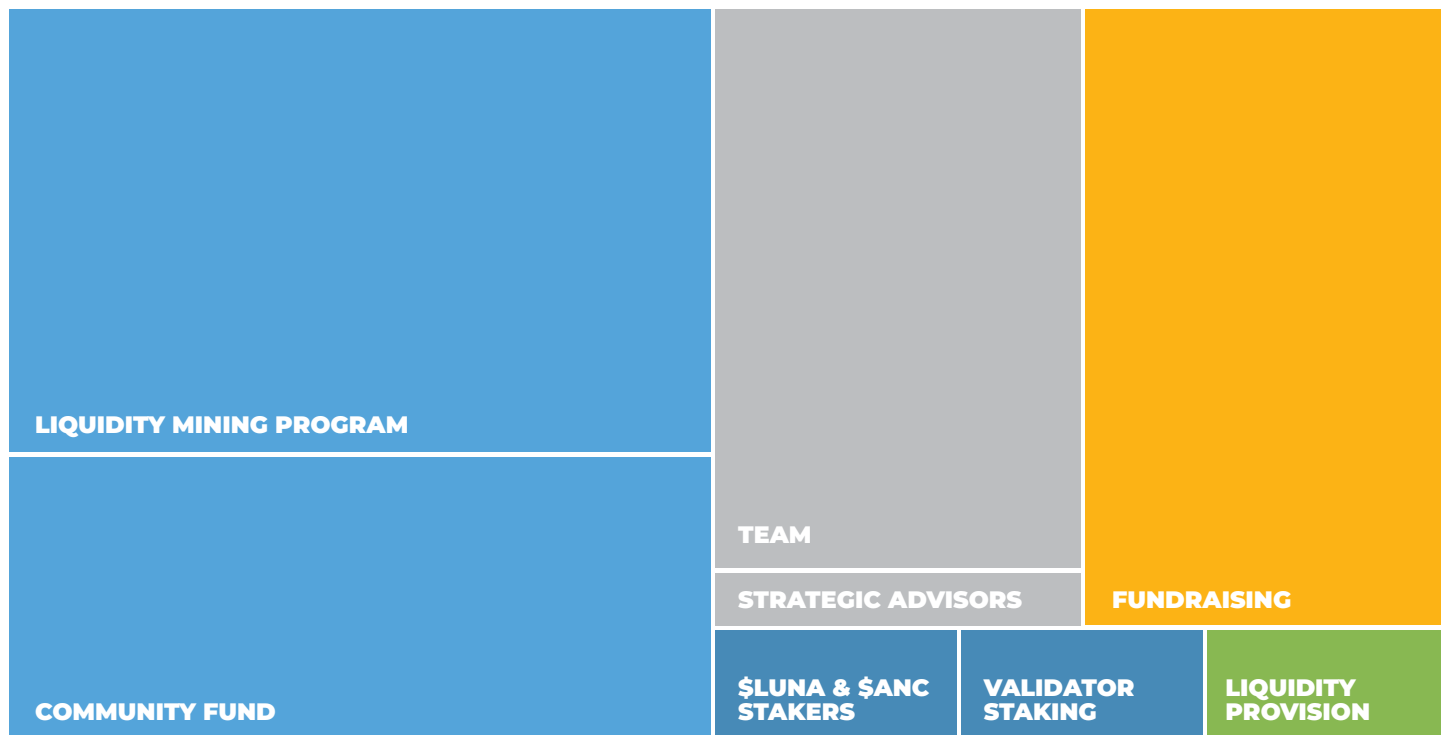

- Unlike most liquidity mining programs where rewards are released pro-rata per block, $HALO rewards are deposited into the bonding curve as often as donations come in.

- A portion of charity shares received will be distributed to the Charity and Donors, while a portion will be burnt, indirectly benefiting early stakers.

- 40% of Charity Shares minted will be distributed pro-rata to donors, with a lock up of 21 days.

- 40% of Charity shares will be distributed to the charity and periodically disposed.

- The remaining 20% will be burnt, benefitting early stakers who now have the option of exchanging their Charity Share for more HALO than before.

$HALO AND TOKENOMICS

TOKEN DISTRIBUTION

One billion tokens will be minted during our Token Generation Event (TGE) and distributed as indicated in the diagram below

LIQUIDITY MINING PROGRAM

COMMUNITY FUND

TEAM

STRATEGIC ADVISORS

FUNDRAISING

$LUNA & $ANC STAKERS

VALIDATOR STAKING

LIQUIDITY PROVISION

$HALO SUPPLY: 1 BN TOKENS

- **COMMUNITY TREASURY**
- **FUNDRAISING**
- **AIRDROPS**
- **LIQUIDITY**
- **TEAM AND ADVISORS**

Liquidity Mining Program - 30% of total supply: Released as donations come in with the donations matching mechanism. We have projected that the distribution would occur over a number of years. A portion of allocated tokens will be rewarded retroactively to donors that have used the platform prior to TGE.

Community Fund - 20% of total supply: 25% unlocked every year, released as necessary to foster community incentives and provide grants to projects wishing to build on Angel Protocol (0% released at TGE).

Team - 20% of total supply: Daily vesting at a rate of 0.11% per day over a period of 30 months after a 6-month cliff (36 months vesting total with 0% released at TGE).

Strategic advisors - 2% of total supply: Daily vesting at a rate of 0.11% per day over a period of 30 months after a 6-month cliff (36 months vesting total with 0% released at TGE).

Fundraising - 20% of total supply: 20% of total supply. We will forego a private sale in favor of offering tokens directly to the Community.

$LUNA and $ANC airdrops - 2.75% of total supply: One single airdrop, incorporating quadrating weighing distribution and caps to ensure fair distribution.

Validator staking airdrop - 2.75% of total supply: One single airdrop. Our partners Flipside Crypto have put together a tool that allows us to track the amount and duration of $LUNA tokens delegated to our validator. We are grateful for the early support, and will reward those addresses with a $HALO airdrop after the TGE. Other protocols have indicated interest in airdropping to Angel Validator stakers, which will provide a continued staking incentive above & beyond donating yield to charity.

Liquidity provision - 2.5% of total supply: Dedicated to bootstrap liquidity on automated market makers (AMM) pools (unlocked after TGE).

MEET THE TEAM

ANDREY
ENGINEERING

Over 10 years of experience as a software developer, with half of that time spent working exclusively for non-profits in the developing world

DUFFY, MD
IMPACT

20 years in non-profit leadership. Chairman & Co-founder of Global Brigades, a global charitable organization. Physician, fundraiser, philanthropist

CHAUNCEY
LEAD

Global program manager & authentic leader of software delivery teams across 45+ countries and 85+ projects. Terra maximalist

LAMBERT
OPS & PRODUCT

10 years in financial services, of which 5 in crypto, advising & investing in startups. Loves DeFi, DAOs and tokenomics

> **OUR TEAM IS BACKED BY OVER 60 YEARS OF NON-PROFIT EXPERIENCE. WE KNOW FIRST-HAND THE PROBLEMS CHARITIES FACE WITH RELIABLE FUNDING, WHICH IS WHY WE'VE BUILT ANGEL PROTOCOL TO SOLVE THEM FOR OURSELVES & OTHERS.**

WHAT'S NEXT

NEXT WEEK Soft launch of our MVP. Charities will start to receive automated donations from the Terra Charity Alliance.

OCT 2021 We make the details of our fundraising plan public. Stay tuned!

NOV 2021 We release our fully-audited v1, enabling individuals to donate on the platform.

Q4 2021 We will start building a rockstar charity onboarding team to attain our goal of 500 charities on-boarded by the end of 2022.

We will integrate with our on/off ramp partners to enable USD donations and custodial accounts for non-crypto native charities.

We will integrate with Loop & Thorchain for donations in all major cryptocurrencies.

We will integrate with additional yielding products such as ApolloDAO vaults, Spar, etc.

We will integrate with other Terra projects such as Pylon for no loss giving, Suberra for recurring donations and Talis for NFT charity badges.

H1 2022 The beta version of the DANO will go live! Features will be limited at first as we build complex token & governance mechanisms.

We will start rolling-out business development efforts for other verticals, starting with Donor Advised Funds and Microfinance.

H2 2022: We will ship the v1 of the DANO with full functionality.

We will continue geographical & blockchain expansion to cover a more diverse set of charities and donors.

FURTHER DOWN THE LINE:

Increasing the number of charities onboarded on the platform is a never-ending task and we will work relentlessly to onboard as many charities as possible. The inevitable increase of automated donations from the Terra Charity Alliance and the Angel Protocol validator will provide us the means to have a notable impact on a great number of charities, in turn positively impacting millions of lives. We aim to become the largest community-owned charity in the world.

We are conscious that, in our v1, charity sub-DAOs will be mostly symbolic, confined to emergency relief funds and off-chain proposals. At scale, however, we will connect millions of donors to thousands of charities through a fair, transparent and entirely digital governance system. Imagine a future where plug-in on-chain charity management software provides full transparency across the philanthropic cycle from the moment of the donation to its actual use by the community or individual it is destined for.

We have radical goals for the future of giving and the collective potential of engaged donors to counteract the impact of predatory financial systems and social policy. Removing the longstanding barriers to access the power of endowments is just the beginning.

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