



# DELPHIBETS

## LITEPAPER

V 0.5

**Decentralized, trustless & secure**  
**The prediction market on Radix DLT**

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# 1 INTRODUCTION

***Could it be, he wondered, that the oracle didn't tell the future? Could it be that the oracle made the future?"***

*Frank Herbert – Dune Messiah*

Throughout the ages, humans have tried to mitigate the unpredictability of existence through various methods of divination in hopes of swaying the outcome of a situation. In ancient Greece, a time of myth and legend, oracles, priests and priestesses were frequently consulted, and fate, luck and fortune were common-placed in the daily lives of people. The most famous of the ancient Greek oracles was the oracle of Delphi where the high priestess Pythia was rumoured to have been chosen by the gods to give mortals insights on future events through her visions.

In those days, divination was a gift granted by the gods to a chosen few. These elevated ones held sway over the high and low, rich and poor, and their word was usually final. What the Greek rank and file didn't know was that the powers of the oracles were rather more prosaic than divine. They used what we now know as data-driven decision making to make correct “divinations”.

Over the centuries, people's worries and questions may have changed, but their interest in predicting the future remains. And while the original Pythia and her kindred had the exclusive privilege to foretell events and earn remuneration for it, now anyone can freely state what they believe will happen and – through sportsbooks and prediction platforms – get paid. Making predictions is no longer the exclusive preserve of the elites or priestly class. Irrespective of your status, you can easily put your money where your mouth is and secure winnings for making accurate forecasts. Even so, the avenues through which we can monetize predictions aren't without their issues.

Control of prediction systems remains in the hands of centralized platforms who generally set terms and impose their policies and judgements on all users. Odds, acceptable wagers and payouts are centrally determined and users are limited to only specific kinds of events per platform. Although everyone is now allowed to pre-



dict events, power to set the terms and conditions remains consolidated rather than distributed. Veteran and newbie users on prediction platforms also complain of the relatively complicated nature of registration and payment processing measures.

At DELPHIBETS, we believe that modern oracles should supervise, rather than dictate, guide instead of impose, and liberate not restrict. We use the methods of ancient Greece to bring to you a data-driven prediction market anchored on the fully decentralized, secure and scalable Radix DLT. And, unlike in Ancient Greece, you, not Pythia, are the master of your fate. On DELPHIBETS, you can freely and anonymously set wagers on any social, political, economic, meteorological or sports events you want; and once the oracle gives her blessing by approving it, others can participate virtually in your event. So, if you're after a greater degree of autonomy and flexibility on predictions, you'd want to learn more about what DELPHIBETS has to offer.

The DELPHIBETS team has looked at the inherent challenges of standard bookmaker markets and come up with a product we believe can erase these issues. We hope you're as excited to read this paper as we were to put it together. It tells you everything you need to know about the protocol, the various products we offer, and how our users will benefit from our Radix-powered innovation in decentralized prediction.



# 2 PROBLEM

***One of the main issues with prediction markets is the fact that they are centralized. Centralization itself is a major issue while creating a prediction market platform. This is the main reason for prediction markets being:***



## CLOSED

The power of a prediction market is directly related to the number of individuals who contribute information to make an accurate forecast. But like with most centralized financial markets, there are different types of regulations and governmental controls depending on the country. Participation in complex non-sports prediction markets is quite an obstacle in developing countries, due to the lack of advanced financial markets and an institutional framework.



## EXPENSIVE

Another problem is the fact that individuals in centralized prediction markets bear high costs, as many platforms charge high fees. This is because most prediction platforms make their money from withdrawal fees and commissions on winnings. Prediction platform users face horrendous trading fees of up to 10%. This discourages new users from joining and also causes low user retention. As a result, platform operators receive less valuable information to make accurate predictions.



## REGULATED

Prediction markets are likely to be highly regulated by governments which act as market supervisors and can, therefore, censor certain topics from being wagered on and even ban some users from betting. Additionally, users are not able to create their own markets unless they run a licensed and regulated platform. The risk of platforms being shut down on a whim also discourages investments in prediction markets for fear of loss of funds.





## ILLIQUID

High costs and strong regulation can make a platform illiquid. The Prediction market is based, to a large extent, on network effects, whose impact is positive if liquid resources are available on a consistent basis. Each additional individual makes the market more valuable to other users and therefore contributes to its stability. But if a market is closed, expensive or heavily regulated, fewer individuals are willing to participate. Shortages in liquidity then reduce the network effects, leaving the platform illiquid in the worst-case scenario.



## DEFI AS A SOLUTION?

In recent years the DeFi sector has gained a lot of momentum and transformed into a persistently growing market. DeFi promises to make financial services globally accessible through its decentralized nature and reduce fees for transactions. It leverages the benefits of a distributed ledger such as increased privacy, security, transparency, and censorship resistance. DeFi services are open to individuals, businesses and other entities, with the potential to eventually penetrate every economic sector.



## BUT WHAT IS THE REALITY?

In theory, the decentralization of prediction markets should eradicate the mentioned problems and create sustainable platforms for owners and users. But using DeFi solely and thoughtlessly can cause additional problems. Decentralized prediction markets enable anyone to create a topic on which individuals can place bets. This can lead to the creation of controversial prediction events, such as betting on new virus types, terrorism incidents, or imminent human suffering.

Problems can be encountered on the technical side as well. Depending on its parent network, a prediction protocol could suffer scaling issues caused by large amounts of network traffic within the decentralized structure. The nature of the specific underlying technology (blockchain) is therefore critical to (successfully) addressing the dilemma.

Decentralized protocols also raise several other issues, depending on their design and implementation, which are discussed below.





## NETWORK

Most decentralized prediction markets are based on the Ethereum blockchain, potentially raising major security concerns. Security concerns intensify further with regard to gateway vulnerabilities when Layer 2 solutions are used as a foundation. Ethereum has been a bottleneck as gas fees were disproportionately high depending on network usage. The recent switch from Proof-of-Work to Proof-of-Stake does not address this challenge sufficiently. Depending on the network usage, the exchange of Fiat to Ethereum can be time-consuming and extremely cost-intensive. Gas fees of up to 100 USD or more per transaction regardless of the transaction volume are not uncommon. The specific conversion process on Ethereum thwarts rapid interactions on prediction markets, minimizes wagers, and discourages small-stake betting.



## LACK OF SIMPLICITY

Decentralized prediction markets often lack the simplicity required to attract a large user base and foster network effects. These platforms are mostly used by crypto enthusiasts and require some knowledge to participate due to overly complicated interfaces. Moreover, the instructions are often not intuitive, which might discourage people from participating as well.



## INCENTIVES

Incentives for users of the protocols are often omitted, although they are an important factor in energizing people to participate in prediction markets. Many prediction markets lack rewards for using native tokens, participating in DAO decisions, or excelling in performance. A leaderboard might motivate users and qualify for token airdrops once they reach a certain ranking threshold.



## LIQUIDITY

When the number of individuals involved in a betting pool is low, it reduces the incentives for other bettors to join, making it less attractive to get involved. This low level of participation leads to unstable prices in prediction markets, where only low stakes can be consistently placed without incurring disproportionate risks of loss.



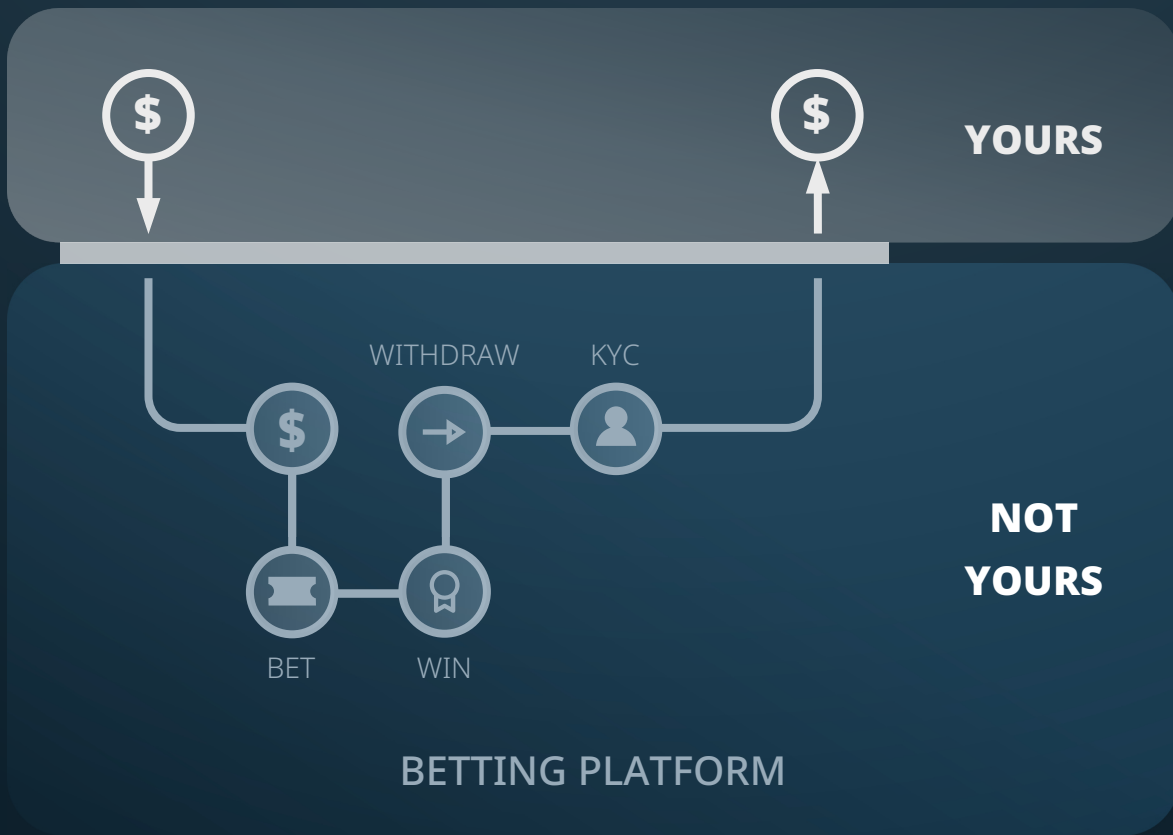
## ACCESSIBILITY

Decentralized prediction protocols can also suffer from restricted accessibility. Although workarounds exist, restrictions such as geo-blocking to prevent regulatory issues go against DeFi's ideals of anti-censorship and worldwide accessibility.

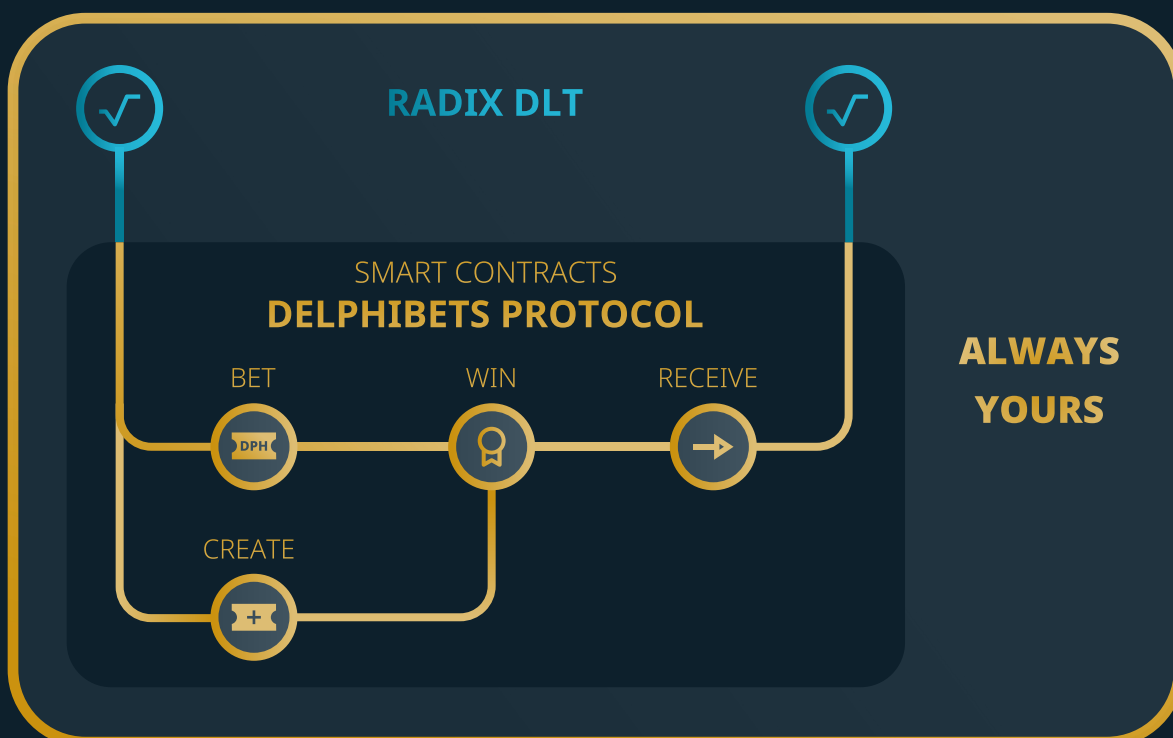


# BETTING PLATFORM

## CENTRALIZED



## DECENTRALIZED



# 3 SOLUTION

***DELPHIBETS is the first prediction market protocol being built on Radix DLT. Trustless, transparent & secure. No scaling issues due to the Cerberus consensus and zero user limitations due to Radix's user-friendly fee structure.***

## WHAT IS DELPHIBETS?

DELPHIBETS is the first prediction market protocol exclusively being built on Radix DLT. With the implementation of the Babylon update, the DELPHIBETS protocol will provide an intuitive smart contract interface that operates seamlessly, trustless, and without common user-side limitations or intermediaries. Users of the protocol will have the opportunity to place bets and compete with opposing bettors by predicting future events. Alongside Peer-2-Peer (P2P) betting, the protocol utilizes complex automated market maker (AMM) and pari-mutuel mechanisms that ensure an engaging, responsive, and frictionless user experience.

Compared to heavily centralized providers, the DELPHIBETS protocol will be convincing with well-designed incentive mechanisms and established DeFi features. Pre-determined and dictated market conditions which disadvantage the user will finally become a thing of the past.



## WHY RADIX?

The Radix DLT is a so-called Layer 1 protocol. This means that the underlying software is executed by distributed nodes which form the Radix network. It is important to understand that Radix is not based on a blockchain. In contrast to conventional DLTs, the technology is fundamentally different and relies on a technology developed in-house.

Blockchains represent a compromise between scalability, decentralization, and security, but the improvement of one is usually at the expense of the other. This problem, known as the 'blockchain trilemma', has been solved by Radix's proprietary consensus protocol, where the unique and groundbreaking Cerberus consensus mechanism, atomic composability is not compromised in any network state. Cerberus achieves horizontal scaling via sharding while preserving the capability to compose smart contracts, ensuring they are processed atomically as a single transaction that either succeeds or fails altogether. This is particularly crucial in the DeFi space, where many products combine various DApps to create new and innovative services, functions, and products.

### OLYMPIA (JULY 2021)

- Implementation of Radix Engine. Allows the transfer and instantiation of new tokens without the need for custom code.
- Implementation of the Cerberus consensus protocol.
- Implementation of Delegated Proof of Stake (DPoS) for sybil protection. Radix token (XRD) holders can stake their XRD in the Radix Desktop Wallet.

### ALEXANDRIA (DECEMBER 2021)

- Capability for developers to build DeFi dApps on Radix in preparation for the Babylon update.
- This gave developers the opportunity to develop and test code in a secure environment in preparation for the possibility of deploying the code to a real public network when Babylon is released.

### BABYLON (Q2 2023)

- Brings full capability to easily create DeFi dApps with the custom-built programming language Scrypto.
- Libraries with Blueprints and Components will also be part of the development environment.

### XI'AN (EST. 2024)

- Xi'an will bring the fully sharded form of the Cerberus consensus protocol.
- Infinite linear scalability and unlimited atomic composability will also be unique features of this protocol.

**[www.radixdlt.com](https://www.radixdlt.com)**

Watch the [keynotes](#) and learn more about the user-friendly experience provided by Radix.



## WHY IS DELPHIBETS BUILT ON RADIX DLT?

DeFi promises to make financial services globally accessible through its decentralized nature, reduce transaction fees and leverage the benefits of a distributed ledger such as increased privacy, security, transparency, and censorship resistance. DELPHIBETS capitalizes on these advantages by relying on Radix DLT as the technology that will provide linear scalability, the capability of complex & secure transactions, and atomic-composable interoperability between applications at low network fees. Radix eliminates the weaknesses of other Layer 1s and is the only network that can scale globally.

## DELPHIBETS AS A DAO?

DELPHIBETS' main idea is to create a decentralized prediction market platform with low fees, no entry barriers, and freedom regardless of user location. DELPHIBETS believes that to reach these goals, a DAO structure is the best possible route to manage this in the future. Starting from the Babylon upgrade, our community will progressively become more involved in governance decisions. A decentralized governance model ensures decentralized ownership for each tokenholder. In the future, the original team will act purely as a service provider, implementing the decisions of the DelphiDAO.



# 4 MARKET & COMPETITION

***The DELPHIBETS protocol addresses a multi-billion dollar growth market by offering solutions to existing problems associated with centralization.***

According to the Data Bridge market research, the sports betting market in 2021 was valued at 76 billion USD and is expected to reach 167 billion USD by 2029<sup>1</sup>. Betfair, as a centralized sportsbook, hosted the most wagered sporting event ever, the fight between Floyd Mayweather and Conor McGregor in 2017. This bout generated about 70 million USD in revenue<sup>2</sup>.

## VALUE SPORT BETTING MARKET

2022

**\$76 BILLION**

2029

**\$167 BILLION**

In addition to sporting events, betting on politics has also gained popularity. The 2022 U.S. presidential election had a turnover of \$564 million for Betfair. The biggest single bet was 1.3 million USD and was placed for President Biden to win the election. This event even surpassed the Superbowl in terms of volume and shows the huge demand for non-sporting events.



But what if there is an opportunity to make prediction markets globally available, democratic, and free from a single point of control? With the rise of Ethereum, decentralized prediction markets have become more and more popular. But are there also downsides to these markets?

<sup>1</sup> <https://www.databridgemarketresearch.com/reports/global-sports-betting-market>

<sup>2</sup> <https://www.actionnetwork.com/politics/2020-election-odds-trump-vs-biden-presidential-race-sportsbook-rovell>



## AUGUR



ETHEREUM



POLYGON

Augur, built on the Ethereum blockchain, is one of the most popular decentralized prediction market platforms. Since being founded in 2014, Augur has faced several challenges. These revolve around the creation of a prediction market that is settled as "invalid". According to Augur's whitepaper an invalid market is one that does not lend itself to resolution by the platform - for example, because it is ambiguous or subjective, or because the outcome is not known at the time the event ends. If a market is deemed invalid, bettors on that market are paid out at "equal values for all possible outcomes". For example, in a market with two outcomes, the payout would be divided equally between the two outcomes. In a market with three outcomes, the payout would be divided by three, and so on. The capabilities of a DAO do not appear to be utilized to its fullest potential.

## DEXSPORT



BINANCE SMART CHAIN

Dexsport is the first prediction market platform on the Binance Smart Chain (BSC). Despite having low transaction fees by using BSC, Dexsport's main downside is the nontransparent fee structure. Additionally, Dexsport is mainly focused on Sports bets and does not involve bets on crypto prices, political decisions, or other topics. There are also reports stating that successful bets were voided by the market owners without giving any reason.

## POLYMARKET



ETHEREUM



POLYGON

Polymarket is a centralized information markets platform built on Polygon that allows users to bet on their beliefs. Users build a portfolio based on forecasts, buying, and selling shares based on how a future event resolves, such as whether Bitcoin will be worth more than a certain amount on a certain date or whether a particular candidate would win a political election. Due to the fact of being centralized, Polymarket has no DAO, an implementation is not planned either. Users are not allowed to place own bets or to open betting pools. The markets are specified by the owners or approved on a subordinate basis according to user suggestions.

## PLOTX



ETHEREUM



POLYGON

PlotX is a non-custodial prediction protocol which uses an automated market maker (AMM) algorithm for market creation & settlement on the Ethereum Blockchain. The protocol focuses on crypto markets offering price predictions on pairs such as ETH, BTC, and YFI. While initially being launched on the Ethereum blockchain, PlotX V2 was launched on the Polygon Mainnet. The goal was to reduce gas fees via meta-transactions and provide market liquidity through incentive alignment of market creators. Currently, PlotX also offers so-called "Challenges" on Sports events which are no other than regular prediction events. But the volume appears to be quite low, which might be caused by the relatively small community and limited incentives. Layer 2 solutions such as Polygon as a foundation are worrisome due to their vulnerability in terms of security. In addition, PlotX has a bad reputation among the betting community as there are several Reddit posts where users are claiming that transactions are unreasonably or extensively delayed or even get canceled.<sup>3</sup>

<sup>3</sup> [https://www.reddit.com/r/PlotX/comments/t359dk/seems\\_very\\_slow/](https://www.reddit.com/r/PlotX/comments/t359dk/seems_very_slow/)



# COMPETITOR ANALYSIS

	DELPHIBETS	Augur	Dexsport	Polymarket	PlotX
Simplicity	+++	+	++	+++	+++
Network	RADIX	ETH / POLYGON	BSC	ETH / POLYGON	ETH / POLYGON
Incentives	+++	+	++	+++	++
Safety	+++	+	++	+	+
Fee Structure	MAX. 1.5% *	FIXED 1.5%	UNKNOWN	FIXED 2%	FIXED 2%
Liquidity	+++	+++	+++	+++	++
DAO	SOON	YES	SOON	NO	SOON
Accessibility	+++	+	+++	++	+++
P2P Betting	YES	NO	YES	NO	NO
Live Betting	YES	NO	YES	NO	NO
Cryptoprice Bets Only	NO	NO	NO	NO	YES
Network Fees	LOW	HIGH	LOW	HIGH	HIGH
Market Cap	\$ 80K	\$ 38M	\$ 606K	N.A.	\$ 1.3 M

\* Market creators will be able to adjust the fees themselves, depending on the betting mode



# 5 PRODUCT & dAPP

***The DELPHIBETS protocol lets users bet on crypto and non-crypto events through the innovative mix of P2P, Pari-Mutuel and AMM-assisted prediction mechanisms with an intuitive user interface.***

## BETTING CATEGORIES

DELPHIBETS as a prediction market protocol will offer two major betting categories:

### CRYPTO

DELPHIBETS offers bets on future crypto prices of Radix DLT native tokens. In the future it will be possible to place bets on all kinds of Layer 1 coins (BTC, ETH, BNB, etc.) or other popular crypto tokens regardless of the DLT.

#### RADIX DLT NATIVE TOKENS



#### ALL KINDS OF LAYER 1 COINS



#### OTHER POPULAR TOKENS



## NON-CRYPTO

We also focus on real world events such as bets on politics, stockprices, eS-ports, sports, weather, natural disasters, demography, cultures, stars, music or even climate (changes).



**POLITICS**



**STOCK PRICES**



**ESPORTS**



**SPORTS**



**DEMOGRAPHY**



**CULTURE, STARS, MUSIC**



**WEATHER**

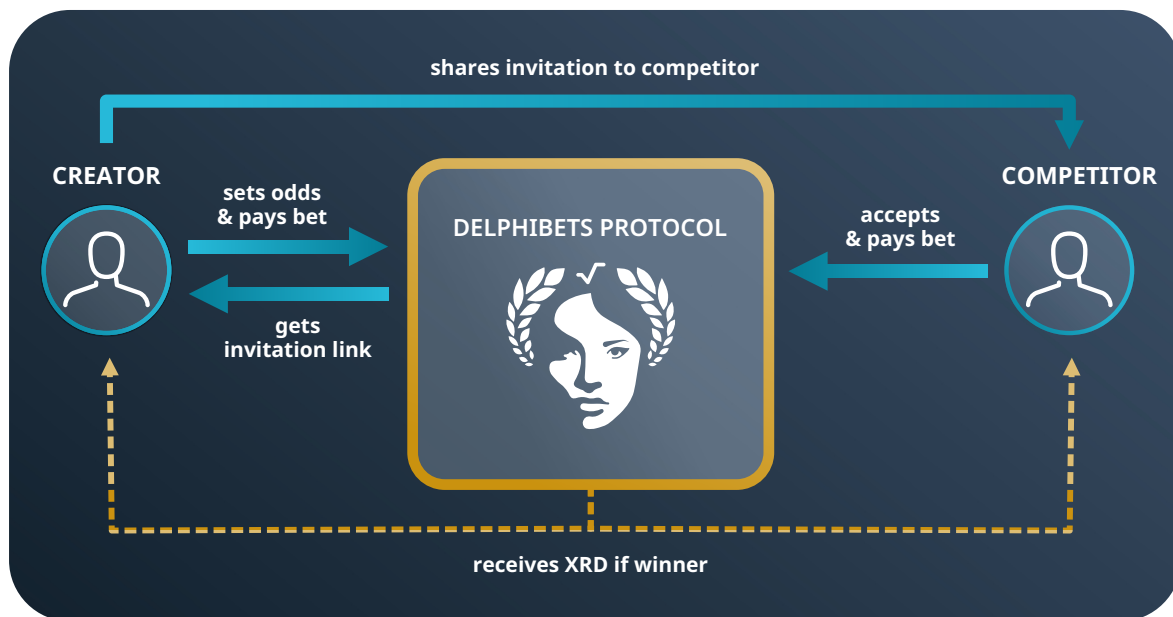


**CLIMATE**

# BETTING TYPES

## PEER-TO-PEER (P2P)

In March 2022, the popular crypto trader Algod challenged Do Kwon, the founder of Terra Luna, on Twitter to take a bet on the price of the \$Luna token one year later. Do Kwon accepted (and spectacularly lost) the bet while Cobie, another popular crypto trader acted as an impartial escrow service on the bettors' behalf.



The DELPHIBETS protocol P2P betting smart contract facilitates the creation of bets without the need for a trusted third party. Once the bet is created and the odds are set by the bet creator, other users can then choose to accept or look for better conditions to place their bets. DELPHIBETS has no restrictions on deposits and withdrawals, and will not ban successful bettors.

The DELPHIBETS P2P betting is accessible and simple: a user creates a bet and locks their wager, this bet is then accepted by other users who pay the specified amount for taking the other side of the bet, a small fee of up to 1.5% is charged, and the bet's outcome is finalized using the oracle selected during the initial bet creation. After the event's outcome has come to pass, the winners receive their payouts according to the bets' odds.

# P2P-BET USER FLOW EXAMPLE: XRD/USD PRICE BET

**BOB**

Set event details

**CREATE P2P-BET**

Event Type  
**XRD/USD Price Bet**

Price Option  
Choose Price Option

Target Price  
Choose Price USD

Bet Amount  
Choose Amount XRD

Closing Time  
Choose Closing

Oracle  
Choose Oracle

**CANCEL** **CREATE P2P-BET**

Choose:

- ◆ event type
- ◆ price option
- ◆ target price
- ◆ bet amount
- ◆ closing time
- ◆ oracle

**BOB**

Check event details

**CREATE P2P-BET**

Event Type  
**XRD/USD Price Bet**

Price Option  
**above >**

Target Price  
**0.08 USD**

Bet Amount  
**500 XRD**

Closing Time  
**2023-12-22 | 01:00 UTC**

Oracle  
**Ociswap DEX**

Outcomes  
**A** Bob wins 500 XRD if the XRD/USD price is above 0.08 on 12-12-23 at 16:00 UTC.  
**B** Opponent wins 500 XRD if the XRD/USD price is equal or below 0.08 on 12-12-23 at 16:00 UTC.  
To create this bet, pay **500 XRD** by signing the transaction

**CANCEL** **CREATE P2P-BET**

Pay stake and receive invitation link

**BOB**

Send invitation link to competitor

**P2P-BET SUCCESSFULLY CREATED**

INVITE LINK  
<https://delphibets.com/p2p/xxxxxxx>

**SHARE LINK** **COPY LINK**

Share invite link

**ALICE**

Review conditions and accept bet

**INVITATION**  
rdx....123 is inviting you to a P2P-Bet

Event Type  
**XRD/USD Price Bet**

Target Price  
**above > 0.08 USD**

Bet Amount  
**500 XRD**

Closing Time  
**2023-12-22 | 01:00 UTC**

Oracle  
**OCISWAP DEX**

Outcomes  
**A** Bob wins 500 XRD if the XRD/USD price is above 0.08 on 12-12-23 at 16:00 UTC.  
**B** Opponent wins 500 XRD if the XRD/USD price is equal or below 0.08 on 12-12-23 at 16:00 UTC.  
To accept this bet, pay **500 XRD** by signing the transaction

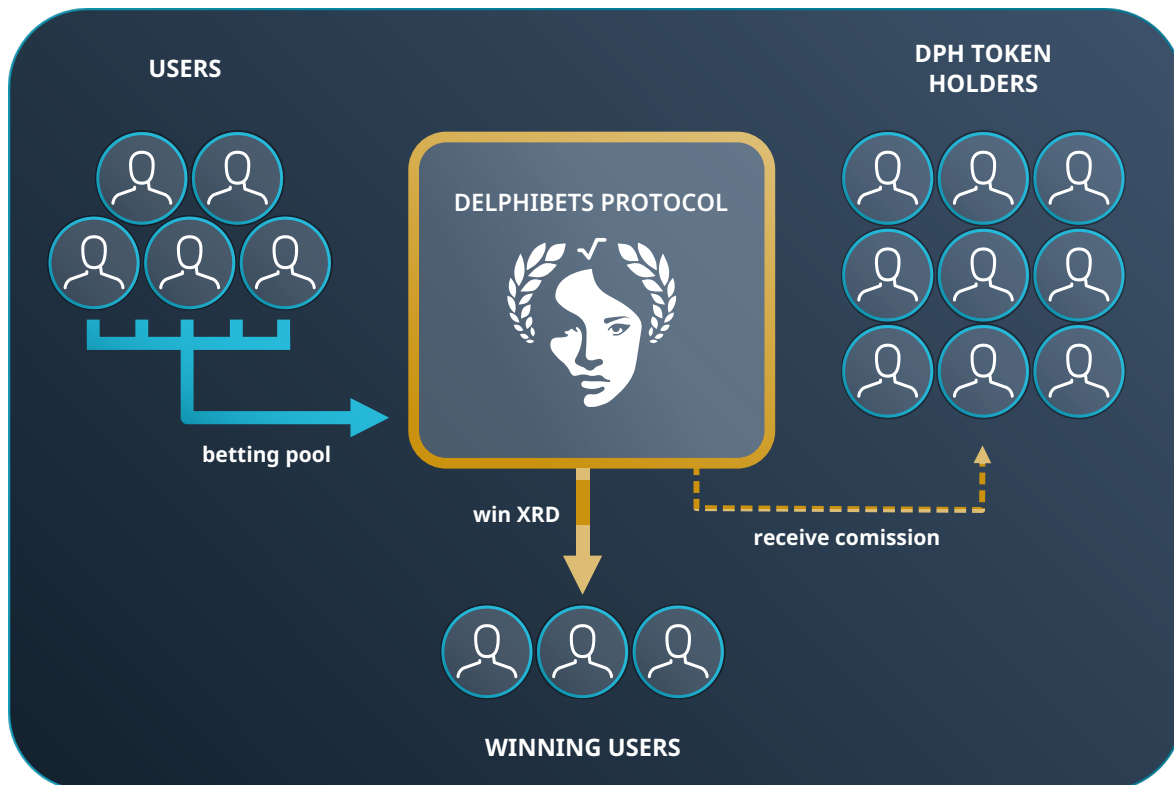
**CANCEL** **ACCEPT P2P-BET**

**BOB OR ALICE WINS  
500 XRD**



## POOL BETS (FIXED ODDS) - PARI-MUTUEL

Pari-mutuel betting was invented in 1867 and was historically mostly used for horse racing and other sports events. In a parimutuel betting system, all bets are pooled together and the odds are set based on the total amount of money bet on each outcome. This means that the pool creator does not have any control over the odds and the odds are not fixed until the betting period for the event expires. The user gets displayed the probable odds based on the pooled amounts at that time based on the assumption that no new stake is added. There is no need for a market maker, since bettors are directly competing against other bettors.

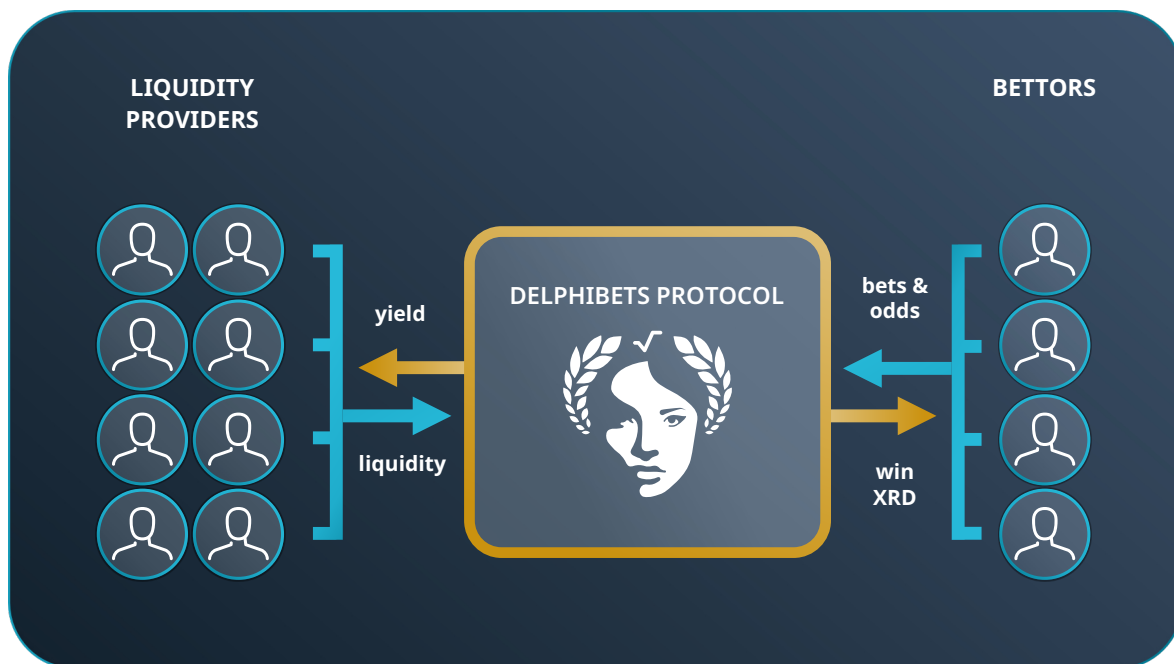


For example, let's say there are three betting options in a horse race: Option A, B and C. 100 people place bets of 100 XRD on Option A, 200 people place bets of 100 XRD on Option B, and 300 people place bets of 100 XRD on Option C. Option A wins the race. The total amount of money in the pool is 60,000 XRD. The DELPHIBETS protocol takes a 1% fee of the total pool, some of which is used to pay a keeper for settlement, and the remaining 59,400 XRD are then distributed evenly to the 100 people who placed bets on Option A. Each person who has bet on Option A gets paid 594 XRD.

The pool creator has no control over any of the bettors' funds as they are locked into a smart contract until the event is resolved by the DELPHIBETS protocol.

## POOL BETS (VARIABLE ODDS) - AUTOMATED MARKET MAKER (AMM)

Automated market makers have a long tradition in prediction markets. The general principle is that for each mutually exclusive outcome of an event, there are outcome shares minted and the shares of the winning outcome can be redeemed for 1 Monetary Unit, e.g \$1, 1 DPH, 1 XRD, etc. Therefore, the price of a share for a specific outcome can be interpreted as the market's current probability estimate of this outcome occurring.



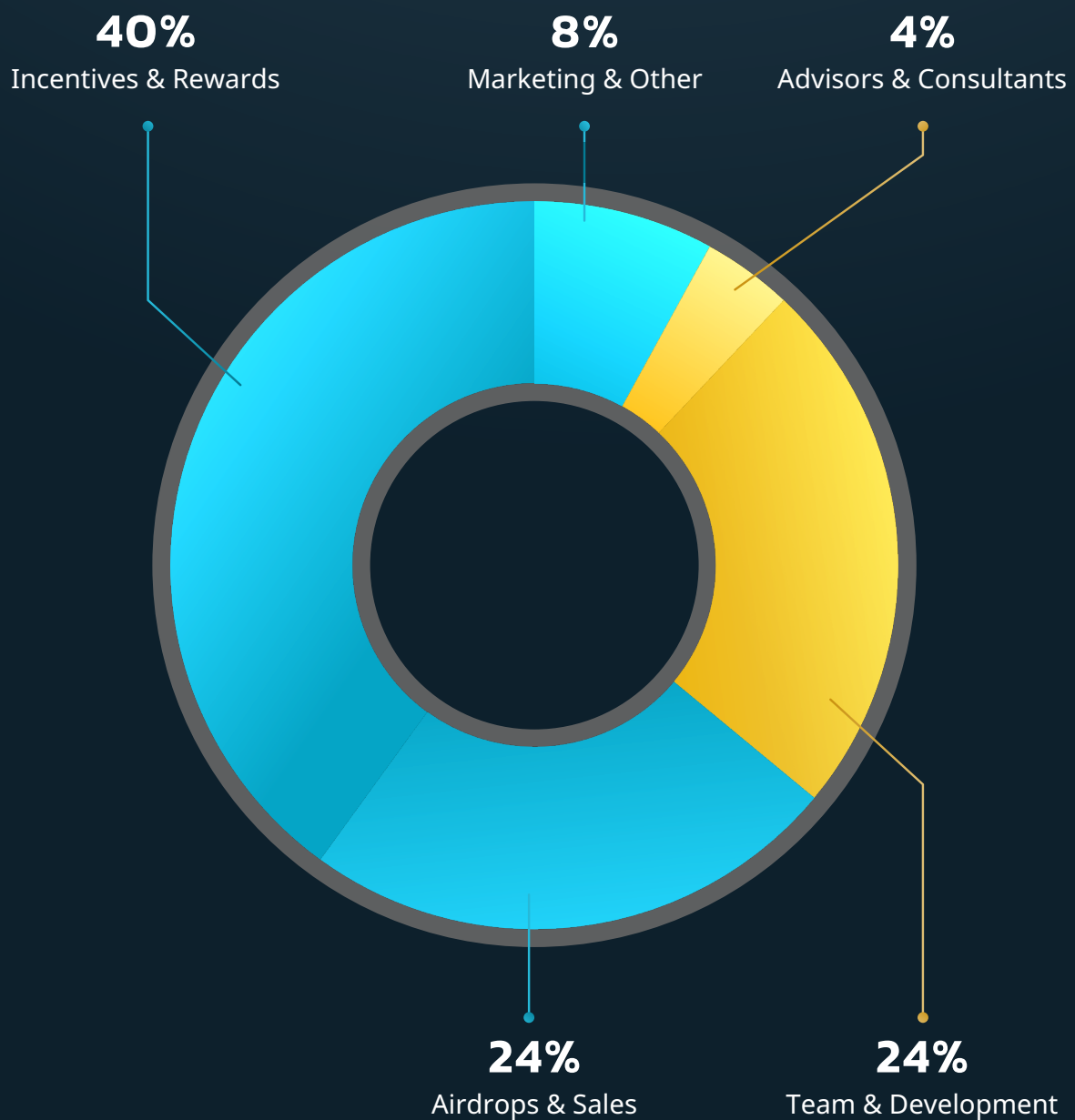
There are different ways to implement an automated market maker for a prediction market. The most famous one in academia is the Logarithmic Market Scoring Rule (LMSR) by Hanson. One major disadvantage of this type (and its variants) of AMM is that liquidity can only be added upon market initialization. Hence, the liquidity over the whole lifetime of a market is constrained by the market creator resources which isn't ideal.

Another approach, which is especially popular in the world of DeFi, is to use a Uniswap-like AMM adapted for the needs of a prediction market. This approach has the advantage of low computational costs and that liquidity can be added after market creation, therefore increasing potential market depth and enabling larger trade sizes. Additionally, users can trade in and out of positions while the event is ongoing, thereby being able to profit from shifts in the probability of outcomes.

The DELPHIBETS protocol will provide an Uniswap-like AMM mechanism while mitigating the inherent risks for liquidity providers.

# 6 TOKENOMICS

**TOTAL SUPPLY**  
**99,999,999 \$DPH**



**40%**

**INCENTIVES &  
REWARDS**

The DELPHIBETS protocol rewards participation and offers promising profit opportunities. Users will have the possibility to stake \$DPH, to participate in the governance of the protocol & much more.

**24%**

**AIRDROPS &  
SALES**

Community participation is the foundation of the DELPHIBETS protocol where the efforts of active members will be rewarded. There will be incentives to obtain our native token, \$DPH, at various events and contests. A very limited pre-sale of the token is also planned.

**8%**

**MARKETING &  
OTHER**

One of our main goals is to make the DELPHIBETS protocol successful within and beyond the Radix ecosystem. We are planning various marketing events to increase awareness, and intend to have funds ready for exchange listings.

**24%**

**TEAM &  
DEVELOPMENT**

Our team has 10+ years of experience in software and project development, marketing and digital communication, and has combined and channeled our previous experience into the DELPHIBETS protocol.

**4%**

**ADVISORS &  
CONSULTANTS**

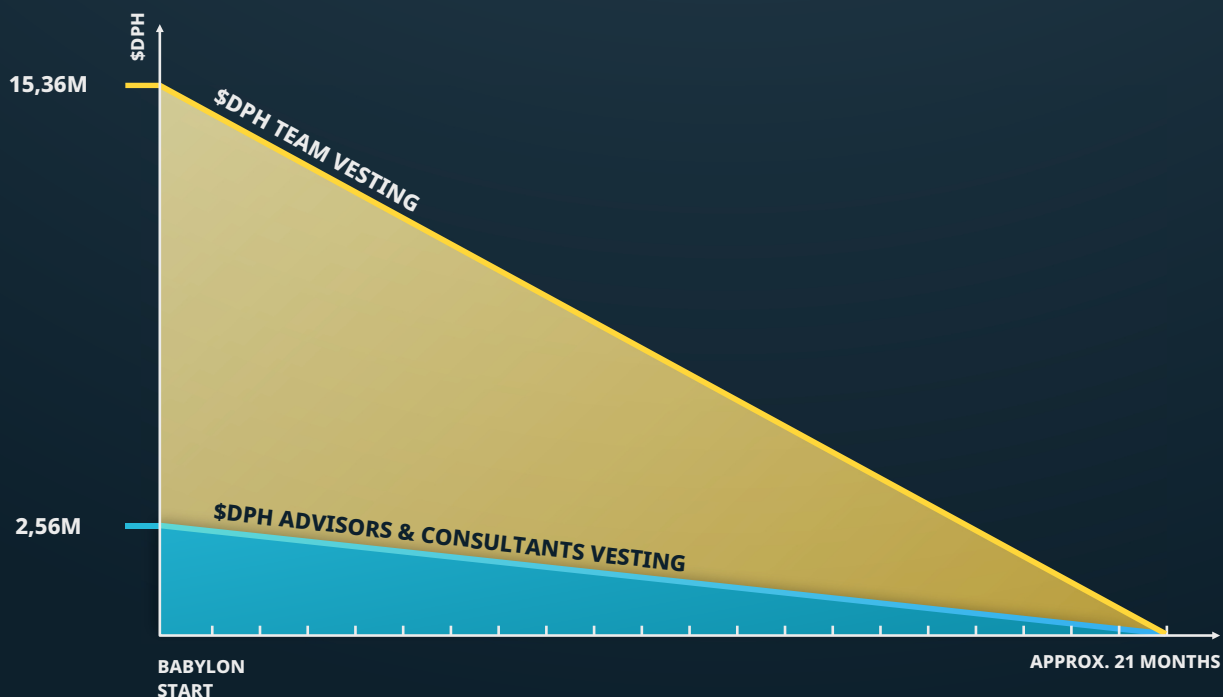
DELPHIBETS relies on experienced consultants for marketing and technical development issues. Their expertise strengthens our market appearance, supports us in legal matters and in solving technical interface problems.





## TEAM VESTING

Vesting is a process by which a certain number of tokens are set aside for a specified period of time for those who contribute to the development of DELPHIBETS. With the use of linear vesting, the funds are released in a linear amount and period. Beginning with the launch of the Babylon upgrade in 2023, the team will vest \$15.36M DPH with a monthly release over 21 months.



## WHY VESTING?

Vesting will foster the longterm success of DELPHIBETS. It creates a strong sense of loyalty and incentivizes team members and consultants to stay committed and dedicated. This way, all stakeholders are more likely to contribute to the success of DELPHIBETS, thereby helping the platform and its native token to build and maintain token scarcity.

# 7 TOKEN UTILITY

For any activity within the DELPHIBETS protocol, the DELPHIBETS token (\$DPH) is essential. It acts as the main governance and utility token for the DELPHIBETS protocol. For the proper functioning of the DELPHIBETS protocol, the DELPHIBETS token (\$DPH) plays a vital role. It serves important functions in various mechanisms of the protocol, including but not limited to collateral and governance, and specifies voting privileges that enable users to actively participate in shaping the further development of DELPHIBETS.

The token is intended to strengthen users' rights, but will simultaneously give access to incentivized opportunities and exciting wagering events. \$DPH will play a vital role in various mechanisms of the protocol; for instance, functioning as a betting token next to XRD, as collateral, as a reward for behavior benefitting the protocol, and as a membership token.





## MAKE YOUR OWN BETS

\$DPH is the betting currency for DELPHIBETS prediction events and the native token within the DELPHIBETS ecosystem. Users will have the possibility to create betting events according to their ideas and conditions. Once the event is created, the user locks DPHs which are either released if he wins or lost to the competitor.



## PARTICIPATE IN BETTING EVENTS

Take the chance to join bets & predictions according to your interests. With \$DPH users can bet on anything, ranging from bets on crypto/token prices to real-life events like presidential elections or sports events. The possibilities are unlimited. Interact with other users - whether P2P or in large numbers.



## LIQUIDITY POOLS

Sufficient liquidity is crucial for efficient and attractive AMM pools. A smooth betting process relies on liquidity that is constantly disposable. \$DPH holders who contribute to an attractive user experience by providing liquidity create reliable conditions for themselves and others and will be rewarded.



## ELEVATED ACCESS

Depending on the amount of \$DPH held, holders will gain access to premium features, such as a customizable appearance on the leaderboard, preferential placement in search results on the DELPHIBETS website, more search options for bets, and many more. Additionally, \$DPH token holders will enjoy the benefits of discounted fees while creating & participating in wagering events.



## ENHANCED DATA SERVICE

The DELPHIBETS protocol behaves as an aggregator for anonymized data made available to its users. Holding \$DPH will give you access to data reflecting the wisdom of the crowd and aggregated data on the overall betting and social behavior will provide you with the ability to assess the unvarnished sentiment of the masses.



## GOVERNANCE

Users will be able to vote on the development of the DELPHIBETS protocol and decide strategically on implementations that are important to them, make proposals and engage in the unfolding of a user-centered movement. \$DPH holders will be able to propose and vote on governance proposals as the DELPHIBETS protocol moves towards a DAO structure over time.

\$DPH holders are needed in the decentralized administration, e.g. for the validation of vague bets, discussion board moderation or the initiation of voting processes. Each token holder is empowered to contribute, mediate or assist. Examples are whether protocol fees should be distributed to the token holders, the development of new features, or the implementation of new income/revenue streams for the protocol. The exact mechanism of introduction, voting, and implementation of new proposals will be determined at a later stage.



## RESOLVING & DISPUTE

Disagreements and discrepancies can be resolved both constructively and sustainably. \$DPH will be used as collateral, as part of a future dispute settlement mechanism, needed for later stages of the roadmap.



## SOCIALIZE

Participants on the DELPHIBETS protocol will be able to socialize with one another. Configure your visible user profile and connect with opposing bettors or friends. If the privacy settings of your contacts allow it, you can keep track of their betting activities or join events in which they are currently involved. This is intended to include event-related communication features supervised by honored and elected DAO members.



# 8 ROADMAP

- ✓ Idea Validation
- ✓ Product Roadmap
- ✓ Tokenomics
- ✓ Onboarding of Advisors
- ✓ Token Creation

## STAGE 2 PROTOTYPING & COMMUNITY

- Product Release
- Smart Contract Audit
- DEX Integration
- Partnerships

## STAGE 4 EXPANSION

## STAGE 1 IDEATION

- ✓ Website / Social Media
- ▶ Playing around with Scripto
- ▶ Building Smart Contracts
- ▶ Marketing
- ▶ Airdrops
- ▶ Front/Back-End Development
- ▶ Token on DEXs

## STAGE 3 DEPLOYMENT WITH BABYLON RELEASE

- Oracle Integration
- Rewards & Product Incentives
- Bets on Non-Native Tokens
- Bets on Non-Crypto Events
- Community Voting



# 9 THE TEAM



## PROJECT MANAGEMENT

### **MARTIN**

**Martin** has extensive experience in the financial sector from Private, Corporate and Investment Banking. He leverages his experience in the high-end financial sector as a serial entrepreneur. His skillset includes entrepreneurial finesse and qualities that benefit the team and the DELPHIBETS protocol.

Martin provides the overall view for DELPHIBETS, acting with economic and disciplinary foresight. His assessment of project-related necessities is long-term and future-oriented. Due to his knowledge of TradFi, Martin has a precise idea of DeFi for which Radix DLT will be groundbreaking.



## MARKETING & SOCIAL MEDIA

### **JONAS**

**Jonas** has a scientific background and worked in the field of IT-based data analysis. After his studies in the social sciences, he approached the financial sector on the basis of behavioral analysis. He is a longtime member of the German Radix community and is deeply committed to the development of the Radix ecosystem. Jonas is involved in building up the community and has his focus on marketing & social media.

Jonas had points of contact with decentralized structures regarding the distribution of funding for research programs. In this context, he is fascinated by user behavior, the social interaction reflected within the statistics, and opinion-related processes of expression. He is very invested in the future development potential of DELPHIBETS.



## SCRIPTO DEVELOPMENT

### CHRIS

**Chris** is a very talented software developer with a degree in mathematics. More than 10 years of knowledge in backend development has equipped him for the automation of pari-mutuel and AMM mechanisms with Scripto. Whenever complex mathematical functionalities need to be developed or calculations have to be mastered, Chris always achieves excellent results.

Chris is a troubleshooter par excellence. His contribution to the backend development is mathematical-statistical in nature. Tasks to be done are completed as quickly as possible, and to the highest quality standard.



## SCRIPTO DEVELOPMENT

### FELIX

**Felix** is an expert in machine learning and software development. He gained a large part of his coding experience by developing conventional financial trading solutions before making the leap into the crypto space. Felix kept running into limitations on other Layer 1 networks and was seeking a viable solution, which he found in Scripto. He considers Scripto as the next-generation in the evolution of Smart Contracts.

Felix is excited about prediction market protocols because of their decoupling from central instances and verifiable reliability. He strongly believes that they demonstrate how powerful the wisdom of crowds is, and that they offer unparalleled opportunities for individuals, corporations and the society to benefit from more reliable and accurate forecasts.



## USER EXPERIENCE & INTERFACE DESIGN

### MARC

**Marc** is an experienced freelance industrial designer who is considered an expert in creating an outstanding User Experience (UX). His repertoire includes renowned 3D designs as well as graphic conceptions of high recognition. Marc is leading the frontend development and is responsible for the graphics surrounding DELPHIBETS.

Marc has been involved in the design and development of successful applications and centralized platforms. What fascinates him about decentralized solutions is the idea of unconditional and seamless access without intermediaries. He wants to partake in limiting disadvantages faced by the user base, which is what the DELPHIBETS protocol will realize.



ADVISOR

## FLORIAN PIEPER

**Florian Pieper** is an experienced senior developer (10+ years) with in-depth expertise in backend development and machine learning. His background in computer science and superior experience provide him with a nuanced view of essential mechanisms and key issues that arise in the deployment of DeFi protocols. Florian's perspective on the development of smart contracts and backend implementations is invaluable.

Florian is well respected within the Radix community as co-founder of Ociswap and creator of Cryptopedia. His analysis of other Layer 1 networks and reliability as a project owner have earned him special recognition from the community and Radix team officials.



ADVISOR

## MARCO

**Marco** is a successful serial entrepreneur for more than two decades. He has built up the German Radix community and is one of the driving forces within the Radixsphere, which he advances with his positive manner. His marketing vision and experience in frontend development allows him to evaluate and satisfy the needs of users in an exceptional way.

Marco is one of the co-founders of Ociswap, to whose success he has contributed substantially. His support in strategic decisions and contribution in terms of an engaging user experience are key factors in shaping the DELPHIBETS protocol.



LEGAL

## CHRISTIANA

**Christiana** has worked in major global media companies and social media tech start-ups after finishing her academic studies in law and has won several awards for her contributions to the areas of legal philosophy, legal theory, and reasoning. She first became aware of decentralized networks through her professional experience in the tech industry where she quickly became enthusiastic and committed to continuing to work within this constantly developing area of law.

Christiana considers the DELPHIBETS protocol as an innovative concept of global scale that relies on the most suitable and sustainable network for this project. Christiana is in charge of the legal affairs of DELPHIBETS, as well as making sure that both the project and the DPH token are compliant with applicable laws. Her in-depth research and guidance ensures compliance guaranteeing DELPHIBETS' continued growth and its ability to uplevel.



## FRONTEND DEVELOPMENT

### **IVAN**

**Ivan** has more than 20 years experience as a frontend developer. In his professional career, he has been in charge for website creation, search engine optimization, as well as online marketing on behalf of global corporations. He has a wealth of experience in creating a user-friendly experience and software frameworks and is an invaluable member of the team as he is the connecting link of the frontend and backend development.

Ivan is one of the pioneers of Web2, having been involved in frontend design since the early days of the Internet. As a discoverer of a pioneering technology, he brings user- and application-focused experience to web3. His understanding of backend practices as well as his coding experience, sets him apart in the design of the smoothest possible user experience. He is extremely detail-orientated and has a great work ethic.



## RESEARCH

### **NIKO**

**Niko** is scientifically educated and graduated with honors. His post graduate studies were largely devoted to research in information systems with a main focus in DLTs/DAOs and their governance mechanisms.

Niko vehemently believes that these alternative forms of organization offer promising opportunities that empower democratization, encourage individual responsibilities, and positively influence market conditions. He is convinced that decentralized prediction markets have great potential to be used in all segments of society: from optimizing corporate strategies to political decisions affecting entire economies.



COMMUNITY MOD

## MARCO MICHELINO

**Marco Michelino** is deeply committed to Radix and its ecosystem. He runs a node, is an official Radix ambassador, hosts small events within the DELPHIBETS community and repeatedly reveals his excellent general knowledge while moderating.



COMMUNITY MOD

## MOXNOXX955

**MoxNoxx955** has been active within the Radix community for a long time. He proactively organizes giveaways and is the host of 'DELPHITALK', the cutting edge discussion panel for the DELPHIBETS community.

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However, if you are an 'accredited investor' as defined by the financial regulation laws of your jurisdiction and you are interested in DELPHIBETS, please contact us at [info@delphibets.com](mailto:info@delphibets.com) and we can discuss whether and how you can get involved.

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