



A white paper on the

NIS is a Betting Defi protocol for automated provision on Ethereum.

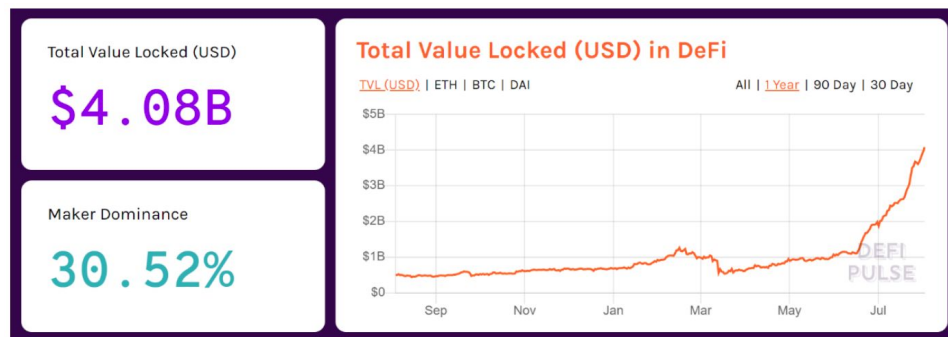
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Executive Summary

Overview of the Current decentralized finance

The growth of the decentralized finance (DeFi) ecosystem in 2020 has been explosive, despite DeFi being an almost unknown concept in 2019. According to data from DeFi Pulse, while it took close to two years for DeFi deposits to reach USD1 billion in Total Locked Value (TVL) as of Q4 2019, it took less than six months (March to July 2020) for DeFi TVL to spike from ~USD550 million to ~USD4 billion (~727% increase).



Snapshot as of 1 August 2020.

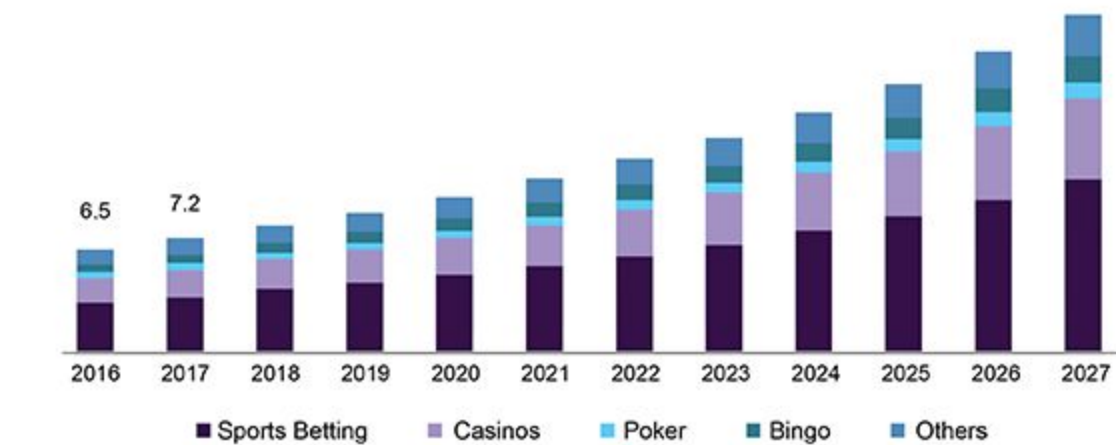
The continued launches of innovative products with attractive returns in the DeFi ecosystem are expected to sustain DeFi's exponential rise, with more and more market players observing with increasing clarity that the DeFi market, dubbed as the "Internet of Money", is poised at the brink of an unprecedented bull run.

While this growth of DeFi on the Ethereum network is extremely exciting, a large group of users have been unable to participate effectively, or even been excluded, from Ethereum-based DeFi participation. These users are users who have capital invested into digital assets outside of the Ethereum ecosystem (non-ERC20 digital assets), and are either awaiting capital gains on this investment portfolio, or have these assets staked within the respective staking ecosystems.

Overview of the Current Betting Industry

Sports betting accounts for the largest market share in the global betting industry. It is one of the fastest-growing markets in the world and has the potential to grow even more. According to a report by Zion Market Research, in 2017 the global sports betting market was valued at 104.31 billion USD and is expected to reach 155.49 billion by 2024, with a compound annual growth rate (CAGR) of 8.83% from 2018 to 2024 [1]. With the expansion of digital connectivity, online sports betting accounts for a majority of the total betting market. It is forecasted to reach 87.75 billion USD in 2024 [2].

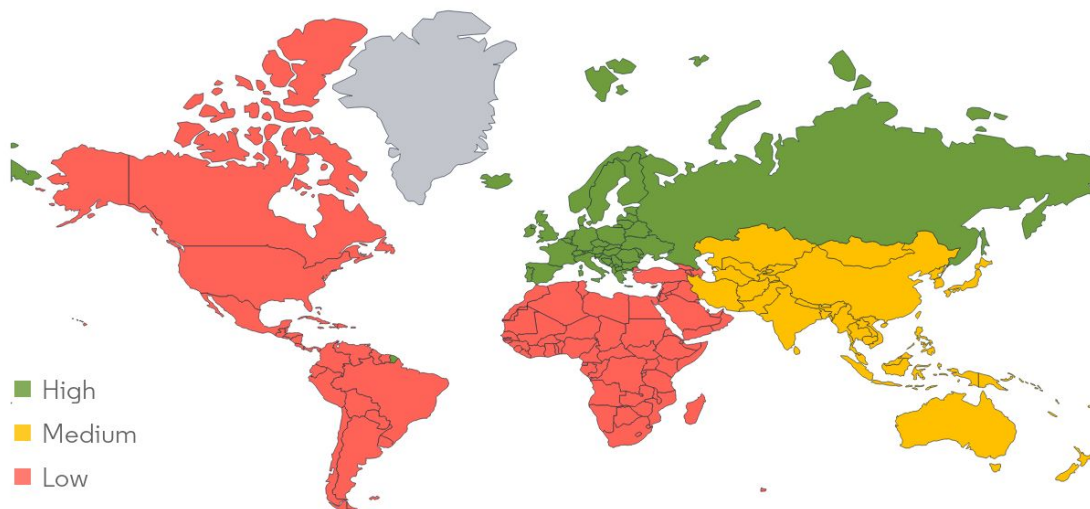
U.S. online gambling market size, by type, 2016 - 2027 (USD Billion)



Source: www.grandviewresearch.com

Online Gambling Market size 2016-2027

Online Gambling Market - Market Size, by Region, Global, 2018



Source : Mordor Intelligence



Online Gambling Market

Numerous countries are legalizing online gambling since it offers a high rate of employment and helps in revenue generation. For instance, in India, online gambling has been made legal in Sikkim and Goa. In addition, participation in online gambling allows players to experience gambling activities in real-time through internet services. The growing number of sports

followers across the globe has fueled the demand for sports betting. The majority of bets are placed on boxing, baseball, football, and hockey sports, which is, in turn, driving the market.[3]

Increasing the development of new technologies such as virtual reality and blockchain is also driving the growth of the industry. This may be attributed to the fact that several companies are now integrating the blockchain technology into their online gambling business. This helps them ensure transparency in gambling activities and offer enhanced user experience. In addition, blockchain-based gambling platforms are completely decentralized and are free of third-party influence.[3]

And Now



Nis - Betting Defi protocol

The Problem

Centralized online betting platforms face several problems:

- Trust issues — Bettors have to trust the market operators in order to play.
- Centralization — Limits where users can participate and in which markets, they can bet in.
- Lack of transparency — Operators could steal funds and commit fraud.
- Movement of money — Deposits and withdraws might take days due to electronic fund transfers and wire transfers.
- Fairness — Odds are in favor of the bookmakers.
- High fees — Betting operators normally charge high fees due to high operation costs.

Legalized and regulated sports books enjoy marketing in mainstream channels; however, in order to do so, sports books need to get expensive licenses in every jurisdiction they operate in. Despite paying for these licenses, regulations still prohibit companies from many forms of marketing in the USA, Canada, and Asia. These licenses tend to have a negative reputation and don't inspire much trust as there are other cases of sports books treating their players poorly and

never paying out the winnings. 10 41% of Americans say they've won a bet that's gone unpaid. [5]

Another downfall to traditional sports books is that the initial capital required to support user bets is prohibitively high. The recommended minimum is to have no less than \$300,000 with 1 million being the benchmark, and a safer estimate in order to support bets properly.[4]

These costs cause sports books to charge high fees, typically between ten and fifteen percent, in order to generate a profit.¹² Alternatively, companies open offshore online sports books which operate in a legal grey area, but the US government is notorious for prosecuting these types of enterprises.

In summary, there are many operational, licensing and upfront costs to starting a sportsbook. Clients are charged high fees to make up for these costs and are also forced to deal with 3rd party institutions who have wait times and fees of their own when redeeming winnings. Users are also forced to trust these third-party institutions with their information and funds.

The majority of these sports books exist in a legal “grey” area in order to operate and tap into large betting markets, i.e., USA, Canada, Asia. Players and the operations both run the risk of losing their funds due to regulatory repercussion, security vulnerabilities or exploitation of identity and information. Despite these issues, the online gambling market, both regulated and unregulated, is estimated to be worth at least a trillion dollars per year.

The NIS Solution and Focus

- NIS is a Betting Defi protocol that allows players to benefit from full transparency and total control over their betting experience.
- NIS creates a unique distributed betting ecosystem, which covers 3 market verticals: Sports (including e-sports), Financials, and Prediction Markets.
- NIS allows the players to benefit from full transparency and total freedom in their betting experience, and neutralizes the prevailing problems and weaknesses of the current betting industry.
- NIS has the vision to create a whole new betting experience, where any user can take over the role of the bookmaker, create their own markets, place and over bets with self-determined odds, and even participate in the outcome determination of a market.
- In order to create a truly decentralized betting ecosystem, NIS will implement its multi-platform strategy right from the beginning. NIS decentralizes even the distribution

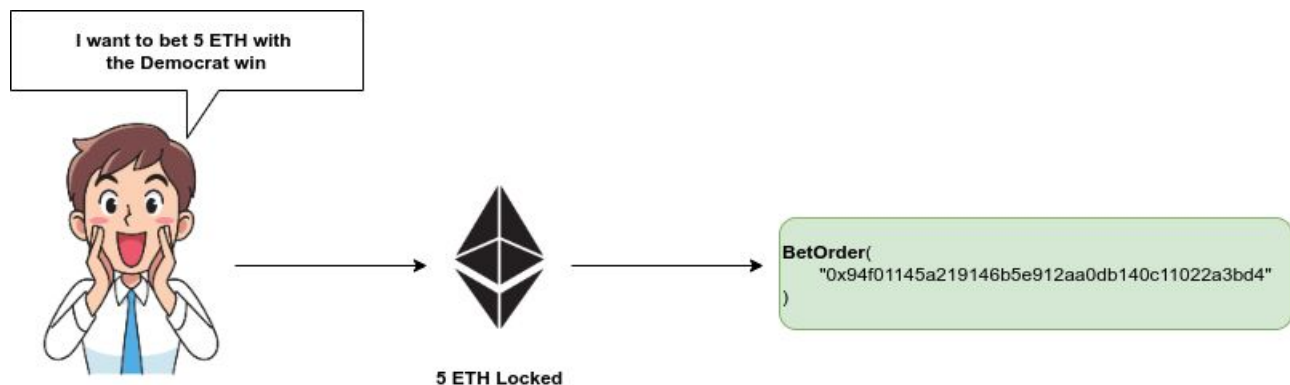
of the NIS ecosystem, and embraces competition to let the market create the best and most innovative platforms and apps possible on top of the NIS ecosystem.

How It Works

Example

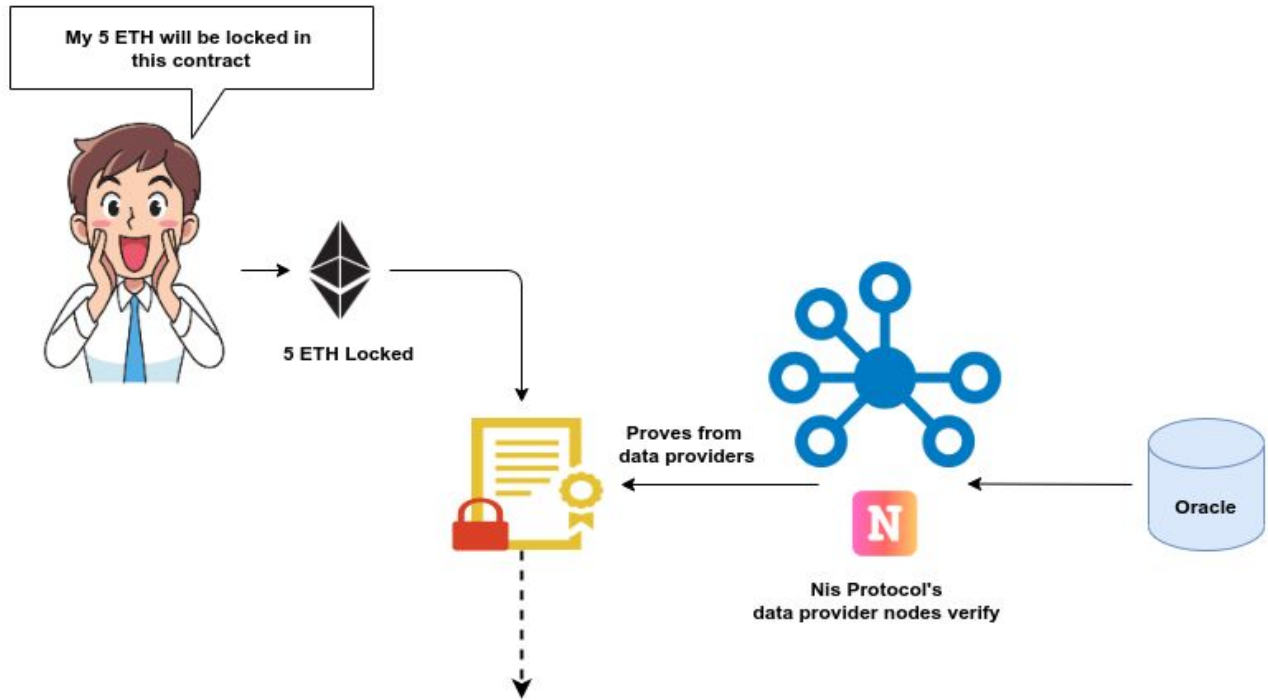
Suppose that Alex and Bob place a bet on who the winner of the US presidential election will be. Alex believes that the Republican candidate will win, while Bob believes that the Democrat will be the winner. They agree on the terms of the bet and lock their funds in a smart contract, which will release all the funds to the winner based on the results of the election.

1. First, Bob deploys a BetOrder contract along with some ETH and specifies his ETH Chain address and the amount of ETH he'd be willing to bet. Bob bet 5 ETH with the Democrat win



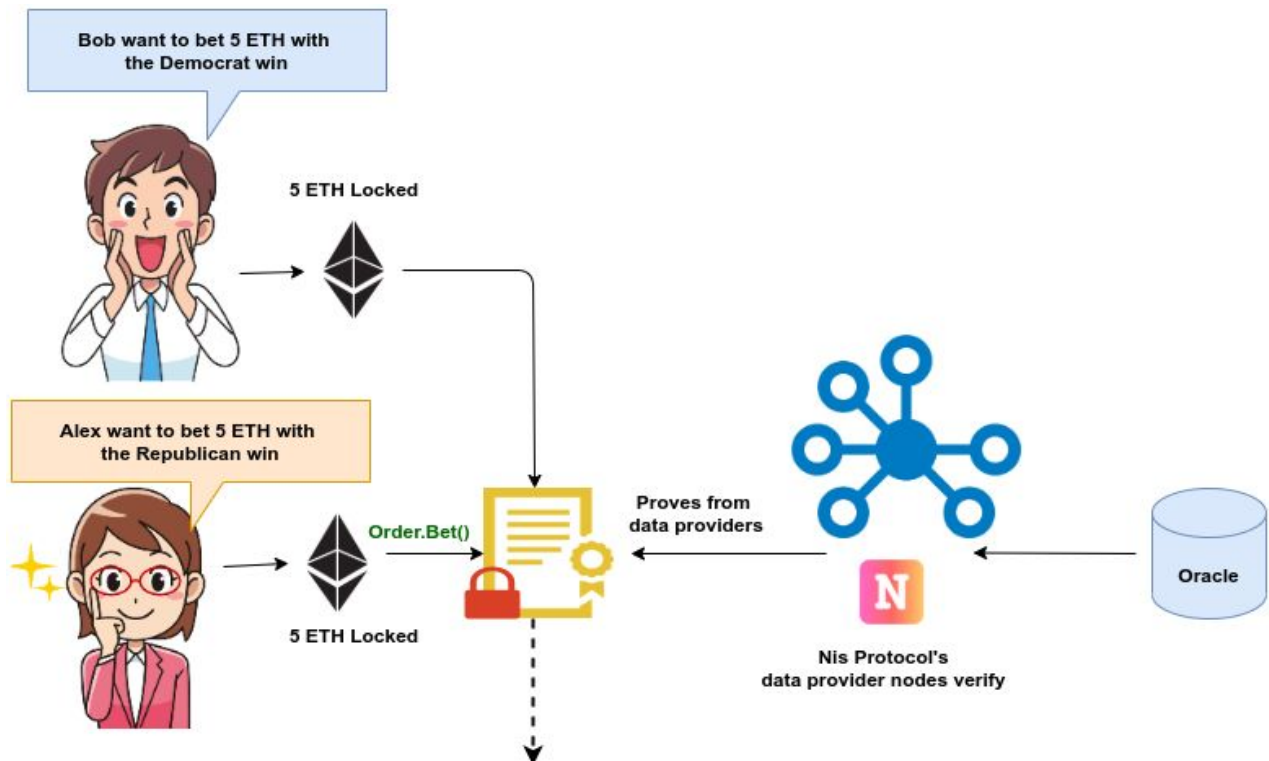
Bob bet 5 ETH with the Democrat win

2. In this case, the BetOrder contract will hold the 5 ETH until there is verify from NIS protocol which candidate has won and relays this information to the smart contract



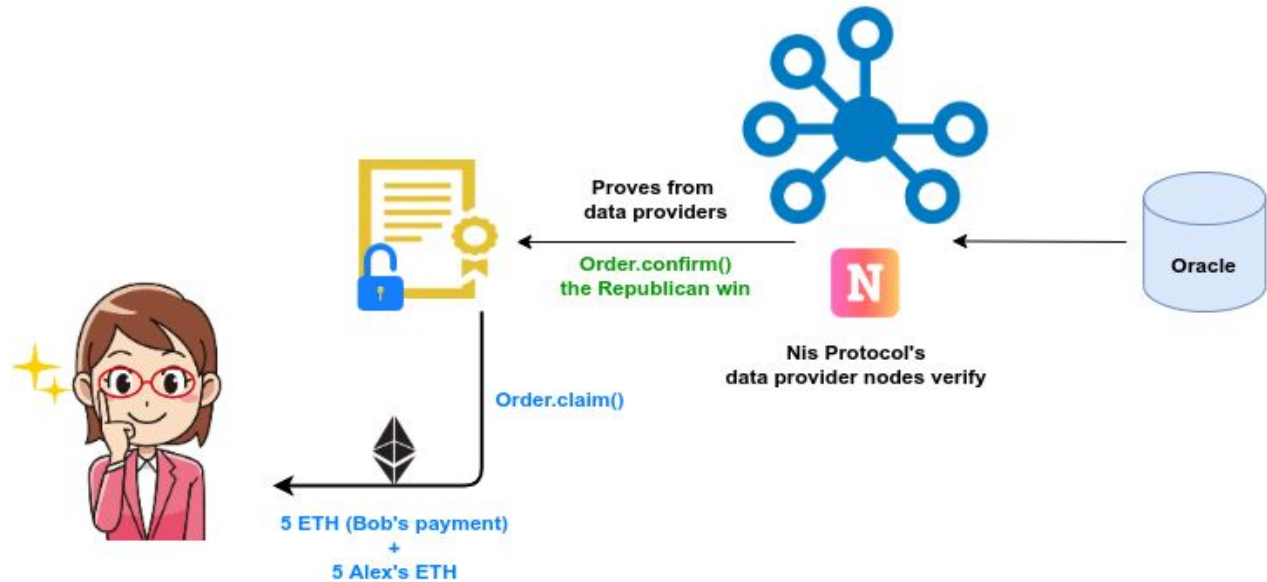
Bob's 5 ETH locked in smart contract

3. Alex call Order.Bet() and bet 5 ETH with the Republican win, 5 ETH locked



Alex bet 5 ETH with the Republican win and 5 ETH locked

4. When NIS Protocol's confirm the Republican win, the smart contract auto open lock and send to Alex total 10 ETH (5 ETH from Bob)



Alex have 10 ETH (5 ETH from Bob)

About NISproject

NIS is a Betting Defi protocol for automated provision on Ethereum, designed to change the way the world bets. NIS creates a decentralized betting exchange without a middleman and centralized structures, that has the ability to disrupt and redefine the traditional betting industry by offering its users a unique and enhanced experience.

The key paradigm of NIS is our belief that betting should not be restricted, and that the control and power of all betting transactions should be given back to the community. On NIS, any user can take over the role of the bookmaker, create their own markets, place and offer bets with self-determined odds, and even participate in the outcome determination of a market. Ultimately the community decides whether a new market or a bet gets accepted or not. The usage of the bespoke NIS token as the key component to enable all betting transactions on NIS, together with a strongly community-driven ecosystem, creates a unique and unprecedented betting experience with a strong focus on transparency, fairness and decentralization - without any limitations and restrictions.

Vision

In the NIS ecosystem, anyone from anywhere in the world can be a market creator and/or a bettor

Mission

We want to build a platform for your financial innovation and freedom

Project Roadmap

Commercial and Product Development Timeline**Q3 2020**

- Cross-chain derivatives DeFi protocol conceptualized.
- Market research of DeFi ecosystem completed.
- Solution design and processes mapping completed.
- Feasibility research on technology stack completed.

Q4 2020

- Initial Coin Distribution & marketing.
- Private token sale.
- Pre-sale token
- Public token sale.
- Online & Trading Token Sale

Q1 2021

- NIS Ecosystems (Sport) development.
- NIS Oracle development.
- Build version 1.0 - Sport betting

Q2 2021

- Alpha and beta version 1.0 on testnet.

Q3 2021

- Version 1.0 on Mainnet
- Build Mobile App betting version 1.0

Q4 2021

- Upgrade Ecosystems and NIS Oracle
- Upgrade and build Version 2.0 - (extend e-sport, casino..)

Team - Mentor and Partner

Team

Nisproject's team, mentor and advisors have rich professional backgrounds across investment banking, technology, crypto-assets trading and asset management. Organizations that they have previously served in include:



About

Work in Product Management with over 15 years experience in Business Transformation in anything Digital and Blockchain related.

Working knowledge gained in Real Estate, Blockchain, Commodities (Precious Metal, Cotton and Oil Markets), Financial Services, Digital Transformation, Public Sector, New Media, Supply Chain, and eCommerce.



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About

Experienced Writer and Search Engine Optimization (SEO) Consultant with specialized skills in Copywriting and Ghost Writing.

Dynamic marketer with over a decade of experience in marketing, advertising and communications. Extensive background in developing and implementing marketing strategies. From small print and collateral projects to large-scale marketing campaigns, I help my clients find "why" behind their brand to successfully tell their stories.



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About

Developer interested in finance, technology, and crypto. Prev @ Google. Most experienced in C++. Broad skillset across a variety of languages and frameworks.

Electrical Engineer & full stack blockchain developer. Financial Engineering student. Passionate about open source software, blockchain and DeFi.



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About

Experience within a variety of business sectors such as: Not For Profit, Ed Tech, Property, Fin Tech, Retail & Start-ups, as well as helping individual professionals create and elevate their own personal brand from Entrepreneurs, Mentors, Educators and Motivational Speakers.

Freelance Graphic Designer and Illustrator with a passion for Creating Functional, Illuminating and Purposeful design that achieves results.

Mentor



Nis are going to disrupt and redefine the traditional betting industry by offering its users a unique and enhanced betting experience and giving back the power into the hand of the players

-- Steve D Aguilar (+15 years Marketing&Sale)



I think that is a good idea, a decentralized betting exchange that will create a whole new user experience, anyone become a Market Owner.

-- Harold Napier (+20 years trade)



Project will eliminate non-distributed processes and allow players to benefit from full transparency and total control over their betting experience.

-- Salvatore Franklin (+20 years in betting industry)

Partner



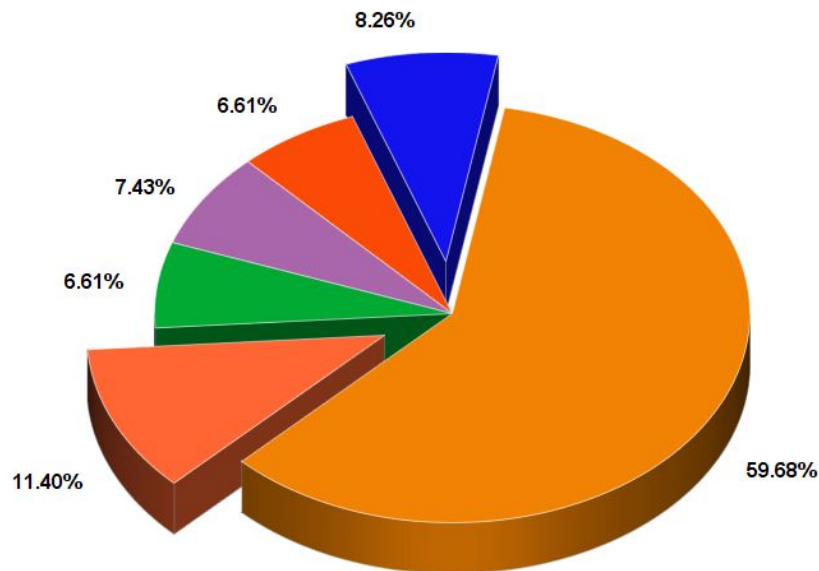
With deep technical expertise and strong commercial capabilities, NIS is ready to deliver differentiated value for the global decentralized economy.

Token Allocation and Sale Details

NIS Supply Allocation

NIS total token supply shall be 121,000,000 (the “Total Supply”). The Total Supply is allocated as follow:

Public sale 11.4% Marketing & Bounty 6.61% Pre-sales 7.43% Private Sale 6.61% Team & Mentor 8.26%
Eco System 59.66%



Token Distribution

Token Specifications and Sale Allocation

Specifications	Description
Token Ticker	NIS
Token Type	ERC-20
Blockchain	Ethereum
Legal Classification	Utility Token
Total Supply	121,000,000
Private Sale	8,000,000 (6.61%) at \$0.05 per NIS

Pre-sale	9,000,000 (7.43%) at \$0.08 per NIS
Public Sale	13,800,000 (11.4%) at \$0.1 per NIS

Fundraising and Use of Proceeds

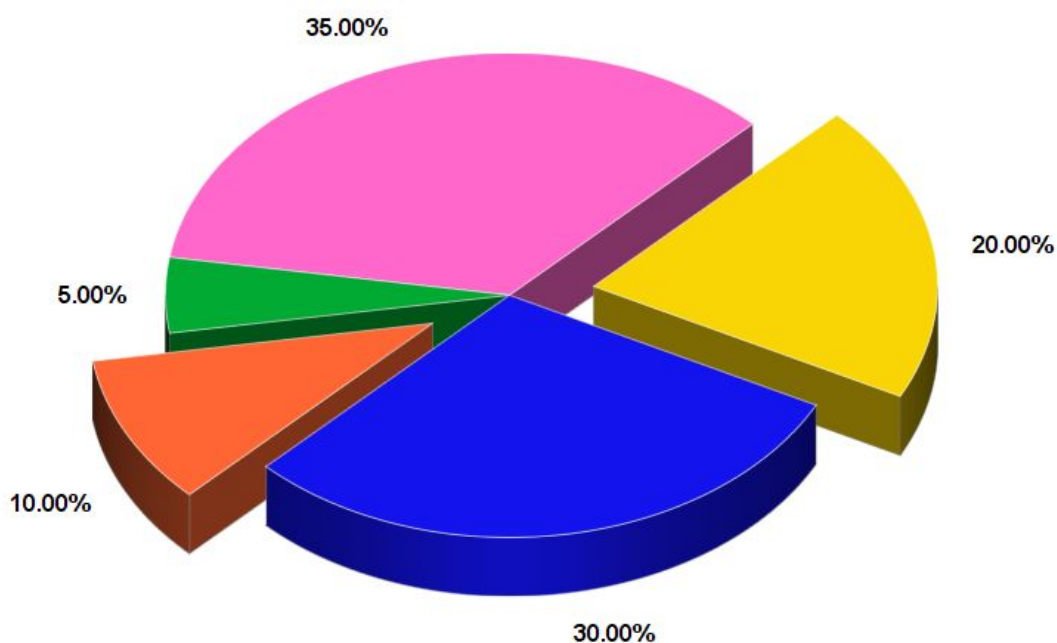
The fundraise from each funding round is expected to be as follow:

- **\$400,000** from Private Sale.
- **\$720,000** from Pre-sales
- **\$1,380,000** from Public Sale.

The total gross fundraise is expected to be **\$2,500,000**.

Funds from the Token Sale shall be allocated in the following proportion:

■ Business Development 10%
 ■ Legal & Compliance 5%
 ■ Product Research & Development 35%
■ Team Operations 20%
■ Liquidity Provision 30%



Token Sale shall be allocated

Token Vesting Schedule

The vesting schedules for the respective token tranches are as follow:

Tranche	Vesting Schedule
Private Sale, Pre-sales and Public Sale	No lockup at Listing
Protocol Reserves and Partnerships	A proportion to be utilized for to kickstart NIS trading liquidity. Remaining to be used for strategic partnerships such as exchange listings, community marketing initiatives, developer grant programs etc.
Team & Advisors	Unlocks over a 3-year period. First unlock half a year after token listing. Subsequently unlocks at regular intervals per half year.

Disclaimer

This whitepaper (“Whitepaper”) is prepared by NIS may be amended from time to time without notice. This Whitepaper is intended to provide general information and is not meant to be exhaustive, comprehensive or authoritative. Structures and programs may undergo changes without notice to adapt to market conditions.

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Whitepaper. Any opinion, estimate or other contents contained in this Whitepaper is subject to change without notice.

Risks Disclosures

The risks described below, and or other additional risks presently regarded to be immaterial actually materialise, the commercial viability of NIS and its features and services may be materially and adversely affected and could result in the destruction of NIS tokens and/or the termination of the development or operation of the NIS and its features and services.

1. NIS and its associated ecosystem solutions are under development and may undergo significant changes before they are released or implemented. While the Company intends for NIS and its associated ecosystem solutions to function as described in this Whitepaper, the Company may have to make changes to various features or specifications of NIS or its associated ecosystem solutions. During the course of development, the Company may also run into difficulties including financial, resourcing or technical difficulties. This may create the risk that NIS or its associated ecosystem solutions may not meet the expectations users may have and this may adversely impact NIS, its associated ecosystem solutions and the potential utility of NIS.
2. While NIS has a vision of making the NIS solution fully autonomous with community decision making using transparent and fair governance processes, in order to increase development speed and react faster to environmental challenges, many initial decisions will be made in a centralized manner. This includes decisions about token listings, protocol variable adjustments, use of funds, use of tokens and industry partnerships.
3. The products and services that are offered by third parties through NIS may be subject to applicable laws and regulation in the relevant jurisdictions and may create the risk of infringing such laws and regulations. This may negatively impact NIS, its associated ecosystem solutions and the potential utility of NIS.
4. The sale and creation of NIS and the development of its associated ecosystem solutions may fail, be abandoned or be delayed for a number of reasons, including lack of interest from the public, lack of funding, or lack of commercial success or prospects (e.g. caused by competing projects).
5. NIS, the sale of NIS and/or its associated ecosystem solutions are based on blockchain technology which is still in a relatively early development stage. NIS is intended to represent a new capability on emerging technology that is not fully proven in use. Any malfunction, flaws, breakdown or abandonment of the underlying blockchain technologies used by NIS may have a material adverse effect on NIS, the sale of NIS and/or its associated ecosystem solutions. As the technology matures, new capabilities may dramatically alter the usefulness of NIS or the ability to use or sell them. The functionality of NIS is complex, will require enhancements and product support over

time, and full functionality may take longer than expected. The full functionality of NIS is not yet complete and no assurance can be provided of such completion.

6. It is possible that certain jurisdictions will apply existing regulations on, or introduce new regulations addressing, blockchain technology, which may be contrary to NIS and/or its associated ecosystem solutions and which may, inter alia, result in substantial modifications of the overall ecosystem strategy relating to NIS and/or its associated ecosystem solutions, including termination and the loss of NIS.
7. The tax treatment and accounting of NIS is uncertain and may vary amongst jurisdictions. You must seek independent tax advice in connection with purchasing NIS, which has the possibility of resulting in adverse tax consequences.
8. The value of tokens or cryptocurrencies may fluctuate significantly over a short period of time as a result of various factors including market dynamics, regulatory changes, technical advancements, and economic and political factors. Due to such volatility, the Company may not be able to fund development of NIS and/or its associated ecosystem solutions, or may not be able to maintain NIS in the manner that it intended.
9. It is possible, due to any number of reasons including, but not limited to, an unfavourable fluctuation in the broad cryptographic token market, decrease in NIS utility, the failure of commercial relationships, or intellectual property ownership challenges, that the NIS may no longer be viable to operate and the Company may dissolve or be wound up or face an uncertain or changing regulatory regime.
10. Cryptographic tokens such as NIS are a new and relatively untested technology. In addition to the risks noted above, there are other risks associated with your purchase, holding and use of the NIS that the Company cannot anticipate. Such risks may further materialise as unanticipated variations or combinations of the risks set out above.

References:

[1]:

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