



## **Whitepaper 1.1**

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# 1. Overview:

## 1.1. Overview of Black eye galaxy Token (BYG):

Black eye galaxy token (BYG) is a decentralized cross chain NFT token for virtual world where users can buy planets & solar system, explore galaxy, mine resources & can start their own civilization.

- Each planet, starship & space station will be an NFT.
  - Each planet has its own set of resources which can be mined by staking & then sold onto the market.
  - Planet with a high Earth similarity index could be terraformed as an inhabited planet.
  - On Inhabit planet you can create your own civilization & launch your own currency
  - To sell mined resources each planet should join a one of the civilization located nearby.

## 1.2. What is Civilization:

On every Inhabited planet, users can create their own civilization where they can evolve, develop new technology & explore space for new solar systems. Civilization will be governed by DAOs. They will get tax from their member's transaction to form a budget. Also there will be a 0.5% space union tax in the original BYG token to cover project maintenance.

## 1.3. Inhabited planet & cross chain:

Heart of civilization is an inhabited planet. Land on inhabited planets will be sold as NFT to build cities, buildings and evolve population and technology. We will partner with VR projects like Etherland, Decentraland, etc. to be operators of the planet's land market. We will introduce star clusters – big space areas with many stars. Each star cluster can be deployed on a different layer 1 blockchain (starting from ethereum) to promote NFT markets on other blockchains. We look for support from other blockchain to promote their NFT market

## 1.4. Marketing & popularizations:

You can view our project as a global virtual lands aggregator. Each VL project can integrate with us to sell our planet's land and build unique internal virtual world of the particular planet. Besides original civilizations started by our team we will partner with other big projects in NFT space to start their Civilizations: i.e. Decentraland civilization, Bondly civilization, Rarible civilization, etc. Partnering

projects will lock liquidity as a mining resource for new planets to incentivize our players. But will be able to use their currency/marketplace for game NFTs related to their civilization. As well as get extra attention from project members

## **2. Technical Blueprint:**

### **2.1 Technical Overview:**

Black Eye Galaxy is a decentralised metaverse (i.e. extensible platform) running on the Ethereum, ERC721 and Binance Smart Chain block-chains. The Black eye galaxy currency - (token symbol BYG) – incentive explorers to explore the galaxy and must be staked by users to participate in governance. Civilizations within the metaverse are decentralised autonomous organisations which receive daily BYG from the central metaverse smart contracts. Explorers engage through mining, acquiring and renting land, voting for Planetary governance to impact BYG Token and NFT (Non-Fungible Token) payouts, and other strategic actions which are likely to proliferate over time as Civilizations offer their games and NFTs.

Players can discover new star systems and new planets using starships (also tradable NFT). After the new planet is discovered it will be sold through a marketplace. A person who discovered will receive 40% of revenue, 10% will receive Civilization to which he belongs to and 50% will go to the project's treasury.

The owner of the planet can change the planet's name and discover natural resources. After discovery, players can start mining resources by staking the planet. To mine resources will take owners 3 to 12 months depending on complexity and planet type. All mined resources are automatically sold for BYG.

Planet owner will be able to build a space station on the planet's orbit and planet base if planet type allows. Both these constructions will speed up resource mining and increase percent of resourced that can be mined.

### **2.2 Use Of Blockchain :**

Black Eye Galaxy runs on the Ethereum, WAX, Binance Smart Chain (BSC) blockchains with plans to extend on Polkadot and other 1-t layer most popular blockchains.

### **On-chain components include:**

- BYG Token
  - All non fungi another 1-t layer core project mechanics including the mining, discovery, building and further game actions
- DAO governance and voting including staking
- Database of Planet

### **Off chain elements include:**

- Graphical elements including of NFTs
- User interfaces
  - Marketplace
  - DAO management interface
  - Mining, space discovery and planet land VR interfaces

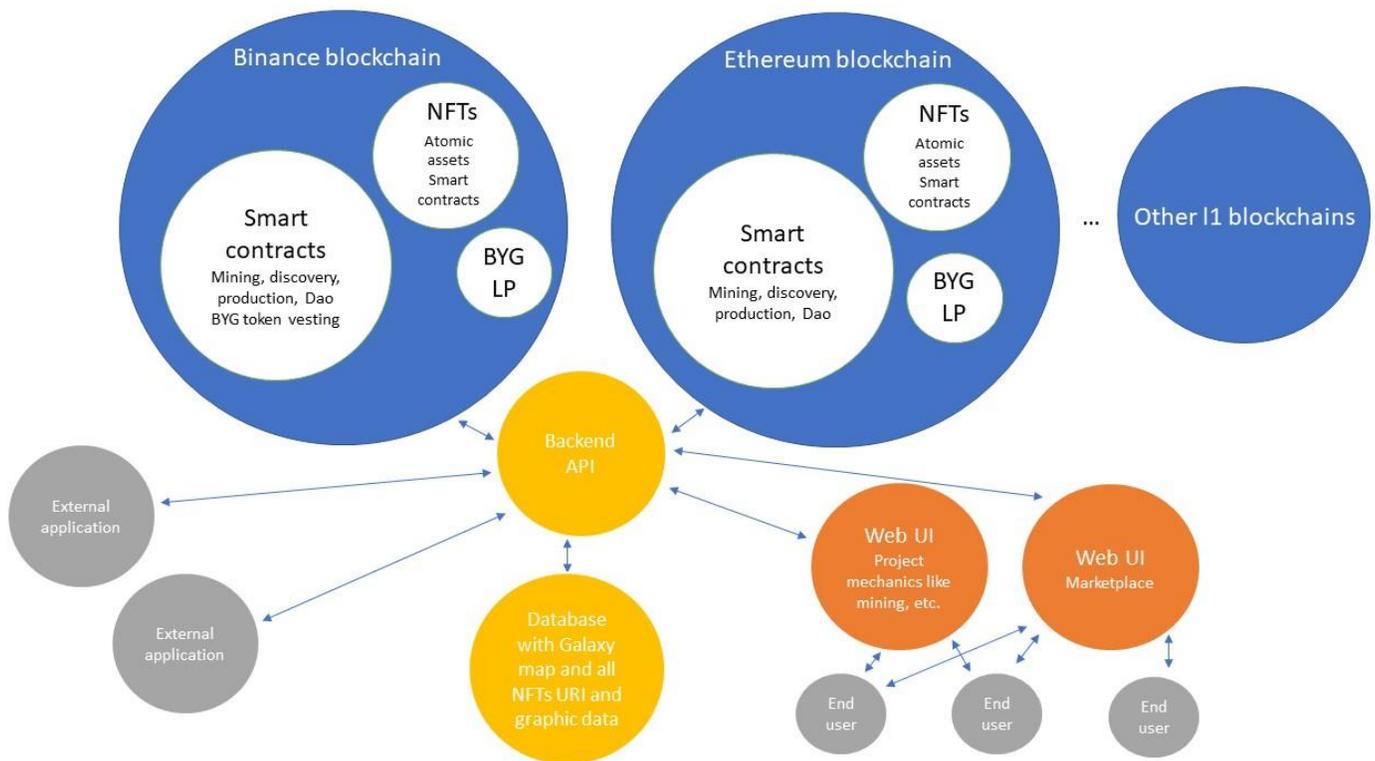


Figure 1: Technical architecture

## 2.3 Metaverse elements

### Planets

Planets are the main focus of activity within Black Eye Galaxy - they are where mining occurs. Each Planet has its own physical capacities that affect the amount and types of natural resources that could be mined. Also depending on planet type there will be different complexity in resource mining: Easy, Medium, Complex. Complexity affects how many time you need to mine resources and what percent could be mined with base level of technology in your Civilization

Owner of the planet can change planet name that will be reflected in the Galaxy Planet Map and Planet Catalog.

After all resources mined planet will recover resources in natural way, but it will take long time and amount of resources will be different from original

### Inhabitant Planets

Planets with Earth Similarity Index > 0.9 are inhabitant that means that people can live there and land on the planet can be sold as well as owner of the planet can start a new Civilization

Planets with Earth Similarity Index between 0.7 and 0.9 could be terraformed to the inhabitant state

Land on the inhabitant planet is an NFT and the owner (Landowner) can either mine resources or build available types of buildings that have different purposes and can bring income in form of donations from the Civilization tax fund.

The purpose of tax distribution to the Landowners that develop buildings is to support population growth and new technologies developing.

### **Discovery of the new planets**

To discover new planets, the player should own a spaceship and organize a discovery mission to the undiscovered star system that is within flight range of his spaceship. Such discovery missions will be executed by staking spaceship in the corresponding web page.

After reaching the desired star system new planets will be discovered and available for purchase in the marketplace. Player that discovered the planets will receive 40% of sale revenue, 10% will receive civilization, 50% will go to the project treasury. Here sale revenue = sale price - minting cost.

### **Civilizations**

Civilization is a formal entity that can be created based on at least 1 inhabitant planet. Civilization is governed by DAO. All members who have at least 1 NFT under civilization jurisdiction can stake BYG tokens and participate in voting. Civilization can define tax value and in what way to spend treasury fund, filled with tax collected

### **Time in metaverse**

1 year in metaverse equals 24h of our time. That means, for example, that if your spaceship needs to travel 7 light years distance to the nearest star, after staking the spaceship for a discovery mission you will need to wait 7 days till the spaceship reaches the destination. As well as if full resource mining on your planet will take 100 years then you will get them linearly during 100 days while staking the planet for mining

### **Core NFTs**

The Core NFTs within Black Eye Galaxy are

- Land
- Planets
- Spaceships
- Space stations

The elements of the NFT that are recorded on chain are

- Its name
- Its attributes (including its visual representations and powers)
- Who owns it
- Its history of ownership.

### **NFTs on Ethereum Smart Chain**

The NFTs on Ethereum are built on the ERC 721 standard.

### **NFTs on Binance Smart Chain**

The NFTs on BSC are built on the BEP 721 standard.

### **Land**

- Land is an NFT associated with (located on) a Planet
- Land ownership is represented by ownership of the NFT
- A land NFT defines modifiers which affect aspects such as:
  - Amount of natural resource that are available for mining
- Different parcels of land may attract different values (ie BYG Token value) based on desirability
- Planets have a finite amount of land on them at inception
- Unsold land is owned by the Civilization until bought

## **2.4 BYG Token**

BYG Token is the native token of Black Eye Galaxy. It exists on all blockchains where the project will be implemented.

Amount of BYG Token

- There is a fixed total supply of BYG Token at 1 billion BYG Token with no inflation.

Token contract - BYG contracts will be available on the project's website after TGE.

### **Uses of BYG Token**

- BYG Token must be staked by users to participate in Civilization governance
  - BYG Token is the main currency to buy resources needed for project ecosystem activities like starship travels
  - All rewards to participants, like tax sharing will be paid in BYG token

### **2.5 Monetization**

Project will generate revenue for several sources:

- NFT sales (planets, land, etc)
- 1% galaxy tax from all in-project transactions

Revenue will be spend on development and as a resource spent on new undiscovered planets

## REVENUE STREAM

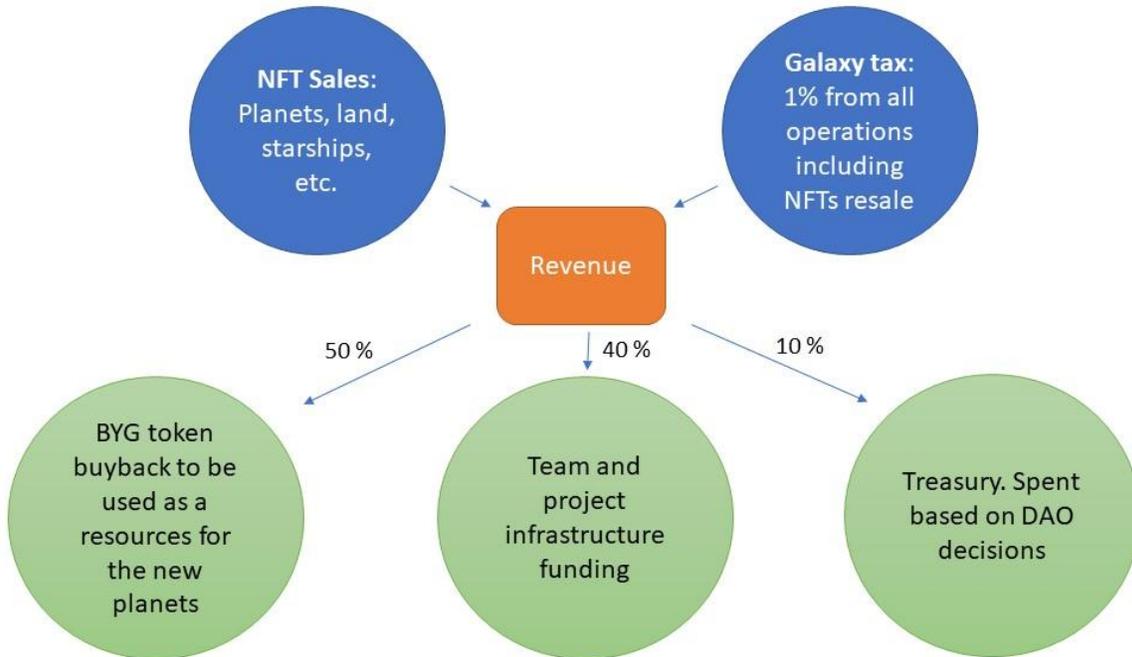
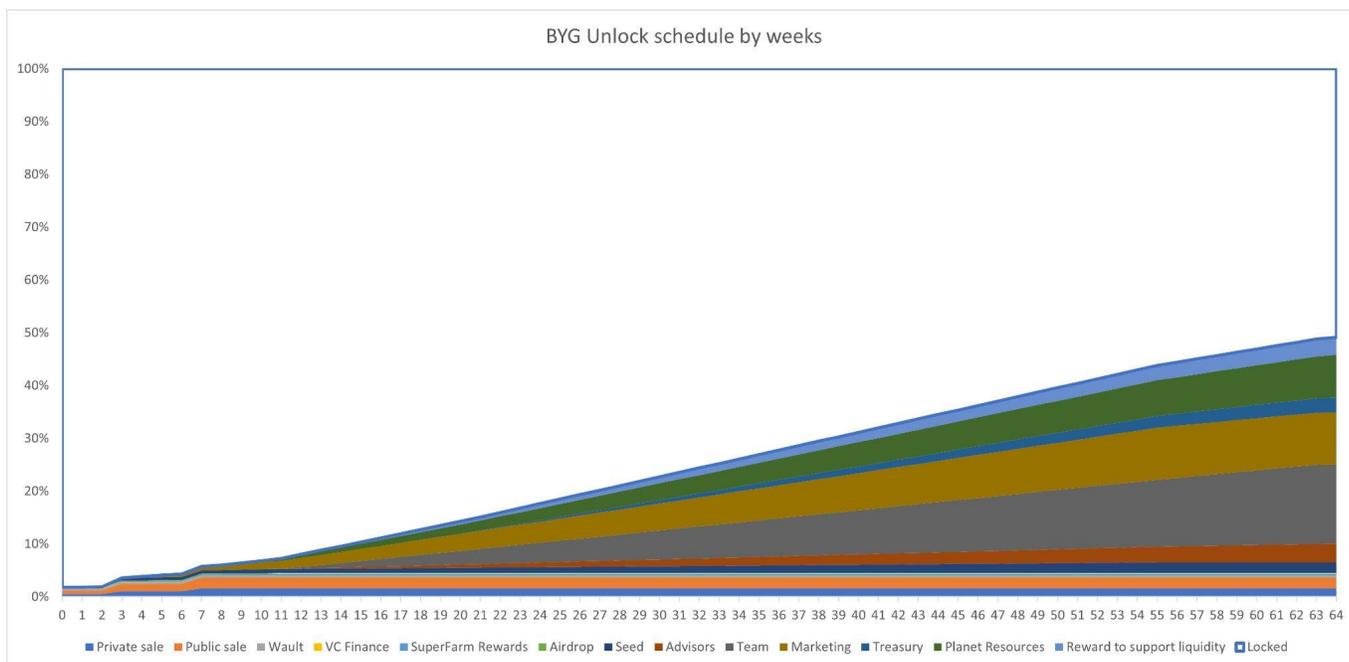


Figure 2: Revenue stream

### 3. Token distribution

**TOKEN DISTRIBUTION. Token: BYG**  
**Total supply: 1Bln, supply is fixed**  
**Initial supply: 10.9Mln Initial MCap: 164K on TGE**

	%	Price	Lock-up after TGE
Seed Round	2%	Price 0.004\$, raised 40K	Lock for 3 weeks, then 25% unlock, then linear unlock during 1 year
Team	15%		Lock for 3 months, then linear unlock during 1 year
Advisors	3.9%		Lock for 3 months, then linear unlock during 1 year
Public sale	1.5%	Price 0.015\$, 780BNB	34% unlocked at the TGE, 33% in 3 weeks, 33% in 6 weeks
PR	0.5%		Unlock on TGE
Marketing	9.9%		Linear unlock during the year
Airdrop	0.1%	20K in BYG tokens	Airdrop, distributed on TGE
Liquidity	15%		Lock for 2 years
Treasury	10%		Lock for 6 months, will be spend based on DAO
Distributed as planet resources to be mined	32.1%		Lock for 2 months, then linear unlock 4 years
Staking rewards to support liquidity	10%		50K on first 3 months, then linear distribution during 3 year



## 4. Roadmap

### ROADMAP

<b>Apr, 2021</b> Game concept Seed round Promo site	<b>Q3, 2021</b> Civilization on BSC created Marketing starts Interactive galaxy map Ability to mine planet resources LP staking	<b>Q1, 2022</b> ETH blockchain Integration CEX listings
	<b>May-Jun, 2021</b> Website with planet profiles First planet sales Public sale	<b>Q4, 2021</b> Full project mechanics available for BSC blockchain Land sale VR on planets (like Sandbox) CEX listings

## 5. Team

### **Yevgen Balter, Founder, CEO**

<https://www.linkedin.com/in/yevgen-balter-5367041/>

Has a 20y background as a CEO, VP of Engineering and CTO in different IT companies, built and sold successful SaaS startup operated with thousands of customers.

### **Andriy Klymenko, CTO**

<https://www.linkedin.com/in/aklymenko/>

Experienced CTO with 15y experience in building enterprise and high-load software solutions. Crypto evangelist and investor.

### **Usman Ali, Marketing Lead**

<https://www.linkedin.com/in/usman-ali-455062135/>

Experienced marketer and crypto analyst with 5y of experience in the crypto market. Successfully built 50k+ communities for several projects.

The core team consists of members from Ukraine, the U.S. and other countries, with work experience at world-renowned Fintech and IT companies. The team has successful experience in developing and marketing blockchain-based financial products.

## **Advisors**

### **TJ Dunham**

<https://www.linkedin.com/in/tj-dunham-3b971b202/>

CEO in DePO (<https://thedepo.io/>). Experienced in the crypto and fintech industries with over two years trading commodities, forex, and crypto. I manage a portfolio of proprietary trading firm and DeFi assets as well, whilst overseeing a multi-national remote team of employees.

## **6. Social & contacts**

Site: <https://www.blackeyegalaxy.space/>

Twitter: [https://twitter.com/blackeyegalaxy\\_](https://twitter.com/blackeyegalaxy_)

Telegram: <https://t.me/blackeyegalaxypublic>

Medium: <https://blackeyegalaxy.medium.com/>