



# UTOPIA42

A decentralized Multiverse without limits where everyone can build their own world.

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updates can be found at [Utopia42.club](https://Utopia42.club)

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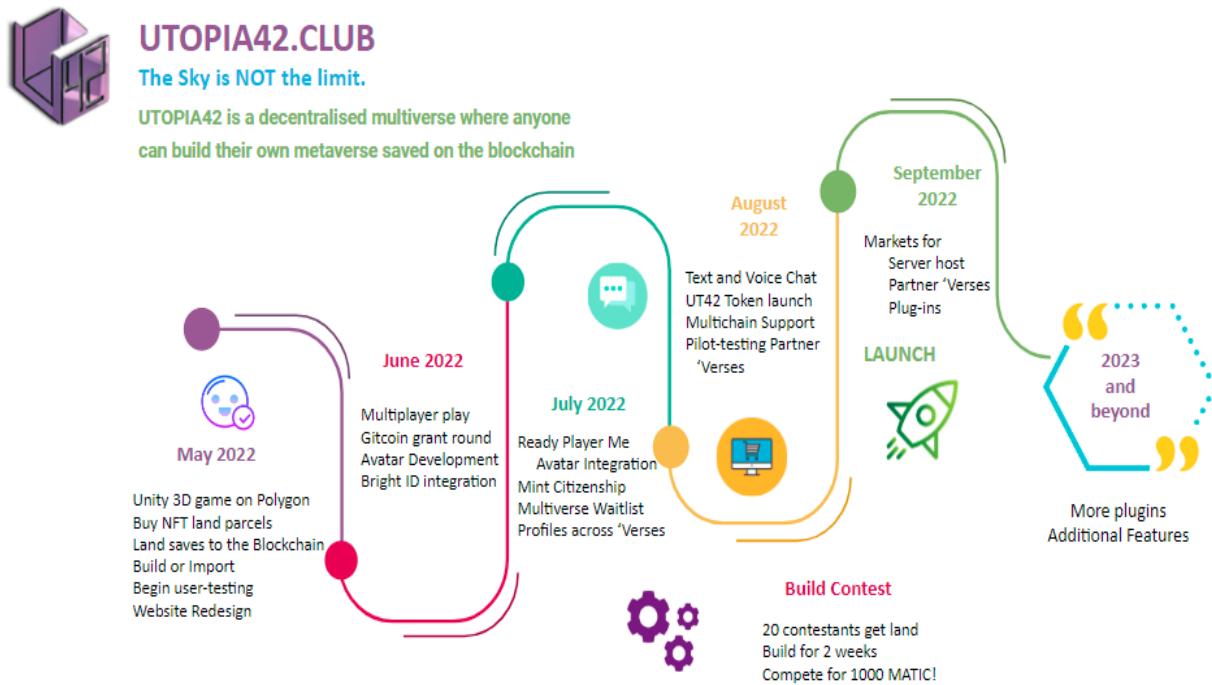
# UTOPIA42

## ABSTRACT

Utopia42 is a decentralized Multiverse. Different organizations, communities and projects can deploy their own Metaverse and start to build their own 3D world. Utopia42 was launched on Polygon as the first blockchain. The protocol is multichain and soon will use the Muon Network to support other blockchains.

Utopia42 is not just a platform for entertainment. We invite organizations and businesses to offer their services to everyone on a borderless and decentralized platform. Utopia42 can provide real world people, groups and places a virtual platform for Universities, Virtual Offices, Museums, Libraries and more.

Users on Utopia42 can have an unique ID and prove their uniqueness using BrightID. Users can browse all of the 'Verses using their own ID and avatar and all of the activities of the users can be attached to their IDs as soulbound tokens.



*Utopia42.club 2022 Roadmap*



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## INTRODUCTION

Ancient humans carved into stone to preserve their expressions for the future, but stone wears away. When Satoshi launched Bitcoin, in the first genesis block he published a headline from a 2009 article, "Chancellor on Brink of Second Bailout for Banks." Anyone born in the blockchain era will have the option of recording their own words exactly for everyone forever. History will look back at the period before blockchains as the foggy past, but post blockchain publishing- we will have a perfect window into the past. Blockchain data will survive as long as the chain exists. Utopia42 combines text, video, and 3D scans all into one virtual "blockchain publishing" multiverse platform.

Utopia42 is more than just an entertainment platform. We invite organizations and companies to provide services to everyone on an unlimited and decentralized platform. Utopia42 can provide a virtual platform for universities, virtual offices, museums, libraries, etc., as well as businesses and stores. Currently running on the Polygon mainnet, Utopia42 will be adding more blockchain networks as it develops.



The infographic is a red rounded rectangle containing text and icons. It features a white icon of a person standing next to a city skyline with clouds and a gear. To the right of the icon, the text reads: "What is a Utopia42 'Verse?". Below that, it says: "Utopia42 is a Multiverse platform. Each Project can have its own 'Verse.". At the bottom, it states: "A 'Verse could be a game, university, virtual office platform, virtual city, store, etc."

**What is a Utopia42 'Verse?**

Utopia42 is a Multiverse platform.  
Each Project can have its own 'Verse.

A 'Verse could be a game, university,  
virtual office platform, virtual city,  
store, etc.

Utopia42.club will soon be integrated with the UT42 token which will enable users to buy digital assets, lands, and services from the different 'Verses or simply to sell the token for a profit.



## PHILOSOPHY OF UTOPIA42

In 1991, the first version of Linux Kernel was released by Linus Torvalds and today Linux is a powerful operating system that everyone can install and use as an open source software. There are a lot of similar examples like Bitcoin, IPFS, etc. that are developed and managed by open source developers and people do not need to “agree to terms and conditions” when they want to install and use them.

We believe that Open Source software and public protocols are big parts of a free world and the goal of Utopia42 is to continue the way of open source tools and public protocols and develop a platform by the people and for the people.

People are connecting to the Internet using the web browsers these days. We think that in the future, Metaverse and 3D worlds will be the future of the Internet and the goal of Utopia42 is to develop softwares and protocols that makes it easier for the communities and people to run their own metaverse.

### Multiverse

Metaverse to Utopia42 is like Bitcoin to Ethereum. Ethereum networks lets the projects deploy smart contracts and have their own tokens while bitcoin is just a crypto currency. Utopia42 is a platform where everyone can deploy their own metaverse and try to build a 3D world and offer their services. It is a lot more flexible than having a single big metaverse and can support a lot of more use cases. In the next sections we will list some of the use cases.

### A Decentralized Identity for people

Utopia42 allows the users (Utopia42 Citizens) to prove their uniqueness using BrightID. BrightID is a social identity network that allows you to prove that you're only using one account. Each Utopia42 citizen will have a unique ID and everyone can explore the 'Verses using their own ID.



The diagram features a yellow rounded rectangle containing text and icons. At the top right is a white globe icon with a grid of small squares. To its left, the text "What is a Multiverse?" is written in white. Below this, a large orange arrow points downwards, containing the explanatory text: "Multiverse to Metaverse is like Ethereum to Bitcoin. On Ethereum, everyone can deploy a smart contract and launch their own token. On a multiverse platform (Utopia42), everyone can deploy a metaverse and start to build their own world."



## Borderless

*"We are running out of space and the only places to go to are other worlds. It is time to explore other solar systems. Spreading out may be the only thing that saves us from ourselves. I am convinced that humans need to leave Earth."*

*Stephen Hawking*

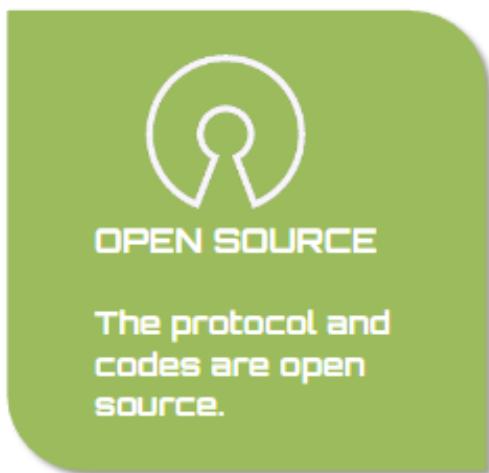
We are living in a world that highly respects the borders. As Professor Stephen Hawking mentioned, humans will leave the earth in the future. Will humans still respect the borders and identities that we have on the earth? We believe not and will run Utopia42 as a borderless protocol that allows everyone to join and people will have the same identity across the 'Verses.

## Decentralized

In today's world, information is power. We are sending a lot of data into the servers of big companies on a daily basis. Utopia42 is a decentralized platform and will use decentralized protocols like IPFS, Blockchain, etc.

## Multichain

Utopia42 will be a multichain platform. We will use Muon Network to allow the developers and users to save data on the different platforms. For example, crypto assets could be saved on Ethereum network, details of the lands on Polygon network and less secure data like the 3D objects, files on IPFS. We start with one chain (Polygon). The protocol is a multichain protocol and the tools will be upgraded to use more than one chain in the next versions.



## Open Source

All of the codes and protocols are open source. Utopia42 is an open source project and maintains their code in a transparent [github](#). Organizations and individuals can obtain and run their own Utopia42 Metaverse Worlds.



## What can Utopia42 do?

### Utopia42 Users can



1. Mint a soulbound NFT as their Utopia42 Citizen ID.
2. Connect their Bright ID to their Citizen ID to prove their uniqueness.
3. Create his/her own 3D avatar.
4. Browse all 'Verses using their own ID and avatar.
5. Attach activities, digital assets and certificates to their IDs.
6. Buy lands on different 'Verses and build their own 3D worlds.
7. Communicate with each other and participate in events.

### Projects can



1. Create their own 'Verses.
2. Customize the 3D Engine for their own 'Verse.
3. Set their own rules using MuonApps (hybrid smart contracts.)
4. Develop plugins to customize their 'Verses and help their users build complex 3D models.
5. Launch their own tokens, NFTs, digital assets, etc.

### Developers and 3D builders can



1. Use APIs to develop Utopia42 plugins and list on the Utopia42 Plugin Marketplace.
2. Build 3D objects and launch as NFTs.



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## TECHNOLOGIES & COMPONENTS

### DAO Governance

Utopia42 is managed by a decentralized autonomous organization (DAO) which can be viewed at [vote.utopia42.club](https://vote.utopia42.club). Unlike a traditional company with a board of directors and hired staff, there is a governance token and a voting platform with members from around the globe.

The community members and developers can create proposals and vote to define the future plans of the project. The DAO operates smoothly as a transparent collective.

### Verification system

A [BrightID](#) is a decentralized unique identifier that allows people to prove they are unique and using only one account. This means Utopia42 can create a unique CitizenNFT for each user.

Unlike a government identifier such as a Social Security Number, a BrightID is self-issued and verified by close friends or relatives. Personal data is not shared with a central organization.

### Utopia42 Citizen ID

Each Utopia42 user can have a unique identity and explore all of the 'Verses using their own identity. Citizen ID is a cross chain NFT. We will use Muon Network to deploy a cross chain NFT and users can connect their BrightID to the NFT to prove their uniqueness.

Utopia42 Citizen ID will be a decentralized and borderless identity and all of the certificates and digital assets of the user will be attached to their identity. For example users can get a certificate from a university on blockchain and the certificate will be attached to their identity.

#### What is a Utopia42 Citizen ID?

Utopia42 is a world of metaverses. Each user can mint a Soulbound NFT as a Citizen ID and connect it to BrightID to prove their uniqueness. Utopia42 will have a community of unique people in the world.





# UTOPIA42

Utopia42 developers have been working on this idea for a long time. Recently the Ethereum Foundation has [talked about the same](#) Soulbound ID concept.

Utopia42 as a decentralized society needs a decentralized ID and the Citizen ID NFTs allows everyone to have a unique, decentralized and borderless identity and everything will be attached to it.

## A Multichain protocol

Blockchain and Smart Contracts are like isolated networks of wallets and they are not good enough for building complex software platforms like 3D games and metaverses. Utopia42 is using hybrid smart contracts technology (MuonApps) to develop a multichain protocol that could run on all blockchains.

MuonApps are like hybrid smart contracts that run on the [Muon Network](#) in a decentralized manner and allows Utopia42 to connect all parts of the platform together in a permissionless and trustless manner.



## Community NFTs

An individual can purchase a Community NFT and invite others to join. Together, communities can own NFT land and your membership in a community will display on your individual profile.

## 3D Engine and Metaverse Builder



# UTOPIA42

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On a Utopia42.club metaverse, lands can be purchased as NFTs. This allows the users to own a portion of the Metaverse and publish their own content to the blockchain. This can include objects built with in-application tools, audio, video or imported 3d models. Each time the land is modified the user saves this as a transaction on the blockchain. The user retains copyright to the objects saved within the NFT land.

We have focused initial development on a web-based version of the Metaverse platform. But since Unity 3D is a cross platform library, we are not limited to one platform and can support other platforms soon.

[\*\*Utopia42.club\*\*](#) offers an integrated network of 3D virtual metaverses. **Utopia42 Partners** may have their own metaverse with their own rules and regulations. Users with Utopia42 citizenship are uniquely identified inside the Utopia42 multiverse. They are also able to teleport between different metaverses. Each user may choose and customize their own **avatar**.

Utopia42 provides a scene builder for citizens to create their land and fill it with their desired 3D assets. Every user has the ability to edit their own land but to only view others' lands. Users are able to communicate with each other in audio, video and text form. Utopia42 **Plugins** let developers control a metaverse and its content fully.



A **Quick Access** toolbar is designed to provide users access to the most recently used assets.



# UTOPIA42

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**Utopia42 Scene Builder** is a visual designer by which users can create their own land content. A rich asset inventory with lots of built-in assets is already available. Users may import custom assets to the inventory and make them publicly available to other users.

Here we enumerate some features of the scene builder:

- See a list of all available assets.
- Search for a specific assets.
- Import/Publish custom assets.
- Drag/Drop assets into the land.
- Cut/Copy and paste assets anywhere.
- Move/Scale/Rotate assets.
- Explore the land in preview mode.



*Meta blocks like video player, image view, etc.*

**Asset inventory** provides the ability to work with assets of different types such as:

- Familiar voxel art building blocks.
- Metablocks such as Video, Image, NFT, Link, Teleport Portal, Land Marker and 3D objects.
- 3D objects in GLB format along with a rich set of built-in GLB open source assets imported from Decentraland.
- Mark any asset as favorite and quickly find the in the favorite tab.



# UTOPIA42



**Utopia42** supports **Avatars**. Each user may create their own avatar and put it in action. A user can see their own avatar in third person mode. When another user is close enough to the current user's position they are visible to others. [ReadyPlayerMe](#) avatars with lots of built-in [Mixamo](#) animations are available for use. The avatars will be attached to the Citizenship NFTs on user profiles.

## Decentralized voice/video streaming

Users are also able to **communicate** to each other using audio, video and text chat. Technically this is done using WebRTC SFU technology.

**Utopia42 Plugin API** lets advanced users write and publish javascript programs which may change the content and/or add dynamics to the world.

- Plugins may/may not be verified by a Partner.
- Plugins are either private or published for public usage.
- Plugins may auto start or may be started manually by the user.
- Utopia42 provides a rich set of API to the plugin developers which enables them to do virtually anything they desire. The whole environment (assets, avatars, etc.) may be fully controlled via Plugins.
- Plugins may be attached to a land to execute on that land when it is loaded.
- Users are able to start, stop and preview and confirm visual results of execution of a Plugin.



Utopia42 is decentralized. We save data on the blockchain. Some data such as land content is stored on IPFS. Some are stored inside transactions on various blockchains. We also use [The Graph](#) to index blockchain/IPFS data for fast and easy access.

Utopia42 is built on top of the latest LTS version of Unity 2021. It uses the new generation of Unity UI Toolkit.



# UTOPIA42

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Utopia42 provides a **land view** to build and explore lands. It provides a **map view** to look for a specific land or place, get an overview of the whole metaverse and zoom in/out on a land inside the map. A **settings view** for customization of the environment by the player. A **profile view** of the current user in which one can customize their own avatar too.

## API and plugins store

The goal of Utopia42 is to allow everyone to be able to create their own 'Verse and it is not limited to just 3D gamers and people who are familiar with building 3D worlds. The builder has an API that lets the developers develop plugins and add them to the plugins repository. The users can use the plugins to build their 3D worlds with just a few clicks.

For example a developer can publish a "Home Builder" app that lets the users select a template from a set of templates for their home and customize it and create their own home in a few minutes.

The plugins also allow the metaverse builders to develop their own apps and let their users use them. For example a metaverse can publish some plugins to let their users create different objects like homes, walls, trees and let their users use those objects on their 3D worlds.

## UT42 token

Utopia42 will deploy a multichain token using the Muon Network as its base token. It will be a fungible Ethereum-based ERC-20 standard token that will be used to pay for goods and services in all of Utopia42 Metaverses. It will be able to be transferred across the chains and will be used as the base token in the platform.

More details about the token and its tokenomics will be published in the near future.

What can  
Utopia42  
plugins do?



Plugins will be developed by developers and help the users to build complex 3D models with just a few clicks. For example, a museum builder plugin allows the users to select a template for their museum among some templates and configure it to load the art images from an NFT collection and put them in different slots in the Museum.



## What happens to my Utopia 42 Citizen ID if I lose my private key or if my wallet is hacked?

Utopia42 Citizen ID is a soulbound NFT. You can connect your BrightID into it and after that you can recover everything using your BrightID if you lose your wallet.



BrightID can be recovered if you lose your BrightID app or your phone.

## Coming in 2023: UNBC Token

We highly believe in Universal basic income (UBI) and Utopia42 is a perfect society for running and testing a UBI program. Universal basic income (UBI) is a program in which every citizen receives a set amount of money regularly. UNBC is a universal basic income coin created by the developers of Utopia42. Using the Bright ID decentralized identity system, a registered wallet will receive a deposit of UNBC every day. UNBC tokens can be exchanged on Pancake Swap staked to earn interest rewards. UNBC will be able to buy land or other NFTs on Utopia42.club.

The amount of UNBC given to users every day will vary over time based upon market conditions. Utopia42 will have some income

from the users. For example when users are minting citizenship NFTs they need to pay a small fee. Or when the 'Verses sell digital assets like NFTs or Lands, a part of the income will be assigned to the protocol.

A part of the income will be paid to the developers and builders, and another part will be added as the liquidity to UT42 token. We have a plan to launch the UNBC token as a UBI token and distribute a part of the income between all of the citizens.



An NFT Museum on Utopia42

## USE CASES

### GameFi

Utopia42 APIs will give access to all of the components on their own 'Verse and because the 3D world for each 'Verse is isolated, it will be flexible and different projects could use the platform easily.

Utopia42 will use the Muon Network's GameFi protocol to provide standard solutions for connecting the projects to blockchains.

### Connecting real world apps to Metaverse and Blockchain

Different organizations like Museums, Universities, businesses and government institutions can run their own 'Verses and offer their services.

### A better place for communities

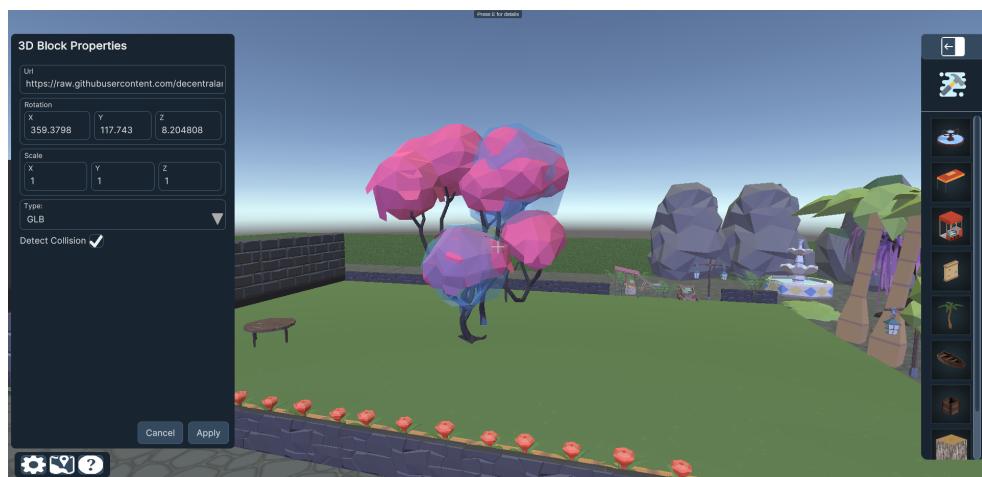
Communities that run their own 'Verse and create their own 3D world will build long-term engaging digital relationships. The history of important meetings, membership assets as NFTs and digital economies can be tracked on the blockchain.

Utopia42 is not limited to the above use cases. The community and partners requirements will open new areas.



## COMPETITIVE EDGE

Most metaverses define themselves as such because they are a 3D virtual world using cryptocurrency for purchases. Utopia42.club is a platform of metaverses that **publishes** to the **blockchain**. Current development is using the Unity engine, but future development plans include also supporting metaverses running the Unreal engine. Similar comparables are [Decentraland.org](#) and [Sandbox.game](#). On Utopia42 everyone can create their own Metaverse.



## CONCLUSION

The Opportunities are vast. Utopia42 is an infinite number of 3D-World metaverses “buidl” on the blockchain. Our platform combines blockchain, hybrid smart contracts (MuonApps), Soulbound NFTs and Proof of uniqueness together. Utopia42 is an open source project, visit our [Github](#) to see our progress!

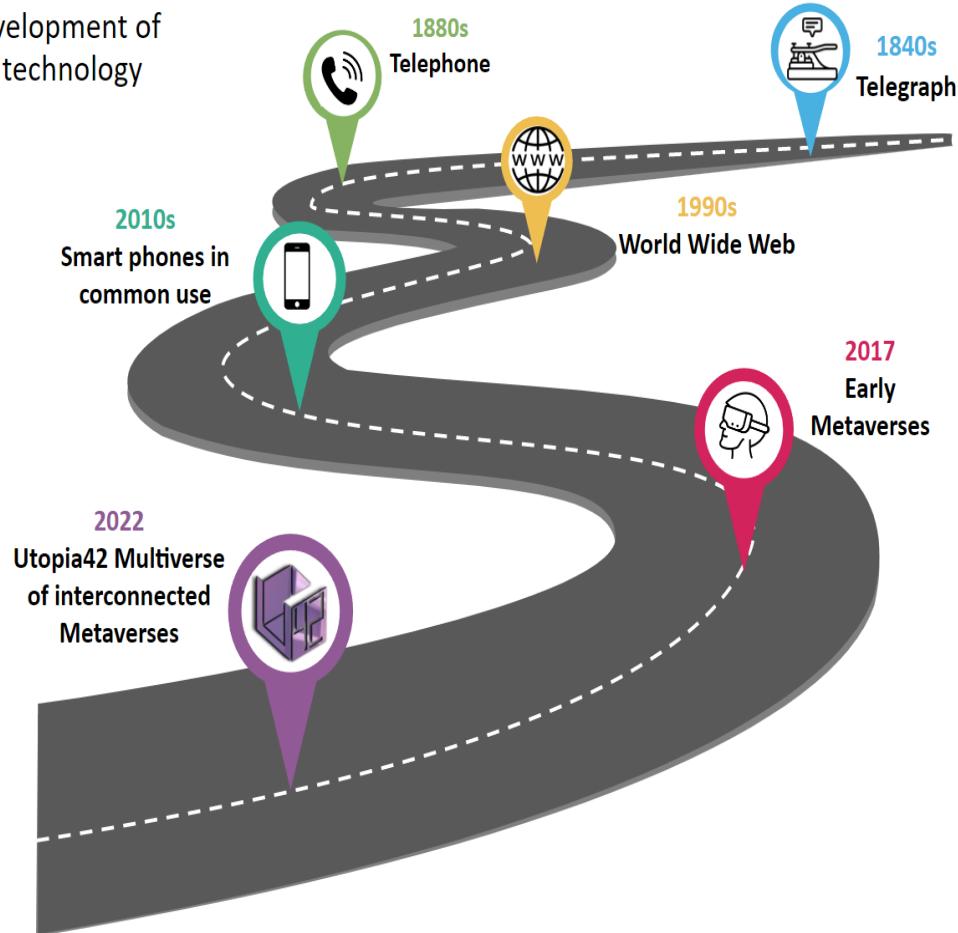
You will be able to create stunning buildings and landscapes on the land you own. Turn your creation into a 3D-NFT and sell it on the market. The BrightID anti-sybil protection will make sure you receive your fair share of our UBI token called UNBC while *buidling!*

Utopia42 is a decentralized Multiverse. Different organizations, communities and projects can deploy their own metaverse and start to build their own world. Utopia42 is managed by a decentralized autonomous organization (DAO).



## Evolution of Global Communication

The modern development of communication technology





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# UTOPIA42

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## PARTNERS



<https://www.brightid.org/>



<https://www.muon.net/>



<https://www.newperspectivellc.info/>



<https://readyplayer.me/>



## CONNECT WITH US



PLAY Utopia42 Web browser version at <https://utopia42.club/>



JOIN our Discord server at <http://discord.utopia42.club>



LIKE our Facebook community at <https://www.facebook.com/utopia42.club>



CHECK in on our Github opensource project at <https://github.com/Utopia42-club/>



FOLLOW us on Instagram at <https://www.instagram.com/utopia42.club>



FOLLOW us on Twitter at <https://twitter.com/utopia42c>