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# **Aavegotchi REALM Litepaper**

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# 1 Introduction

Aavegotchis are digital frens for the crypto generation. Each Aavegotchi is a playable NFT endowed with a uniquely generated personality and is staked with yield generating tokens known as Spirit Force. These ghostly NFTs will soon be free to roam their homeworld, The Gotchiverse Realm.

This paper gives a high-level overview of the Gotchiverse Realm game mechanics and tokenomics of REALM, ownable land parcels within the Realm. For specific details, please consult the full whitepaper (coming soon).

## 1.1 World Overview

### 1.1.1 The Gotchiverse

Beyond the Human Realm there is the Ether Realm, where smart contracts twinkle and dark forests lurk. Travel a bit further down the rabbit hole, and one eventually discovers the Gotchiverse Realm. When a yield farmer in the Ether Realm is liquidated, its spirit journeys to the Gotchiverse, where it reincarnates as an Aavegotchi. Aavegotchis are a spectral species who love nothing more than farming, voting, and shitposting with their frens.

The Gotchiverse began with only a handful of Aavegotchis, but as liquidations grew within the Ether Realm, so the population of the Gotchiverse burgeoned, with thousands of Aavegotchis exploring, building, and settling in its vast expanses, and even building great structures to worship the Liquidators, their creators.

### 1.1.2 Liquidator Invasion

However, the Liquidators' appetite for yield knows no bounds, and eventually their metallic eyes turned towards the Gotchiverse. A clever Liquidator discovered a vulnerability in the code that allowed them to travel to the Gotchiverse.

Once creators of the Aavegotchis, the Liquidators now became their destroyers, as they ravaged the Gotchi homeland, greedy to harvest the Spirit Force of the Gotchis.

The Liquidators ransacked the Gotchiverse, liquidating all but a handful of the Aavegotchis. The Aavegotchis that survived did not survive by luck. They were the most powerful of the Gotchi kin, a special class of Aavegotchis known as the Adepts. These 9 Adepts used the last of their Spirit Force to erect a Citaadel within the Gotchiverse, protected by a magical Force Field. Within the Citaadel they erected a megalithic structure known as the Great Portal, into which they channeled the last of their Spirit Force and the spirits of all the slain Aavegotchis in the Gotchiverse.

### **1.1.3 The Great Portal**

The Great Portal is a structure of impressive magical character, capable of bridging the chasm between the Gotchiverse and the Human Realm. Within the Great Portal swirl the spirits of all Aavegotchis that ever existed. The Great Portal protects the Gotchiverse Citaadel, taking in return a small tithe of the Gotchus Alchemica harvested from the Gotchiverse.

### **1.1.4 Haunts**

When the Great Portal is invoked by humans, a connection is made between the Gotchiverse and the humans, allowing humans to summon Aavegotchis by staking Spirit Force originated from the Human Realm. This re-animates the Aavegotchi and allows it to travel back and forth between the Gotchiverse and the Ether Realm.

### **1.1.5 The Prophecy**

Before the Adepts sacrificed themselves, they wrote a Prophecy, which says: Days will come when the everlasting day will turn to night, Our power will wane, and the Liquidators will come to fight. For these nine days we must prepare, and bolster our might, If Gotchi-kin is to survive.

## **1.2 REALM Parcel Types**

The Citaadel Protected by a Force Field that keeps out Liquidators, the Citaadel is the home base of Aavegotchis in the Gotchiverse. Towers cannot be built in the Citaadel, except for in special areas around the Great Portal.

### **1.2.1 The Grid**

The Grid encompasses everything outside of the Citaadel. Parcels in the Grid are much more plentiful, but owners should beware – Liquidators are lurking in every corner. Grid Parcels can build both Waalls and Towers.

### **1.2.2 The Beyond**

Locked Parcels that will not be unlocked until the nine Great Battles have been completed.

## **1.3 REALM Parcel Sizes**

Parcels come in three sizes, with each size providing greater deposits of Alchemica\* and more building space

Humble: Contain smol deposits of Maaterials and building space Reasonably Sized: Contain reasonable deposits of Maaterials and building space Spacious: Contain huge deposits of Maaterials and building space

\*Exact Material amounts are calculated by the VRF upon purchase.

## 2 Gameplay

Aavegotchis are the world's first DeFi-backed NFTs, and the Gotchiverse continues this tradition of innovation by introducing the world's first yield-bearing land parcels. Owners of REALM parcels can employ their Aavegotchis (and those of others) to farm their REALM parcels, producing quantities of resources known as Gotchus Alchemica. These resources can be combined to create powerful structures known as Installations.

The Gotchiverse is an open-ended social space where players can engage in myriad activities, such as farming, crafting, trading, and combat.

Although there are no victory conditions or “end of game” scenarios, one overarching goal of the Gotchiverse is to collect Alchemica to bolster your parcel to produce more yield, and build defensive structures in preparation for the coming of the Prophecy, and the great Liquidator invasion.

### 2.1 Farming your REALM – Gotchus Alchemica

Gotchus Alchemica are the four elements of the Gotchiverse: Fud, Fomo, Alpha, and Kek. They can be combined to craft Installations and Aesthetica, among other uses.

Gotchus Alchemica can be extracted from REALM in four distinct ways:

**Alchemical Channeling:** Aavegotchis can channel their energy directly into the REALM Parcel, lowering their Kinship but receiving a helping of Alchemica in return. **Communal Channeling:** Aavegotchis can also collectively channel Alchemica when a Gotchi Lodge Installation has been built upon the REALM Parcel. In order to participate in a communal channeling, the Aavegotchi must be wearing the Guild Insignia and be present on the REALM Parcel during the ritual. **Mining:** Once a Harvester has been built, Alchemica begin accruing passively, with x amount going into the Reservoir, y amount spilling over to the nearby map, and z amount going to the Great Portal. **Collecting:** Aavegotchis and Liquidators can roam the map, collecting loose Alchemica spilled from mining.

## 2.2 Building on your REALM

Installations are special structures built on top of your REALM Parcel. Installations are crafted via various combinations of Alchemica, and can be freely traded for GHST in the Aavegotchi Baazaar.

Confirmed Installations include: Alchemical Aaltar (included with REALM parcel) Gotchi Lodges Alchemical Harvesters Alchemical Reservoirs Towers Black Holes Display Cases (Art gallery, Badge display, Trophy case)

Installations take a certain number of blockchain blocks to finish constructing, but this time can be reduced by spending GLMR (GAX Liquidity Mining Rewards) , an in-game currency that can be earned by providing liquidity on the Gotchus Alchemica Exchange (GAX) .

Aesthetica are aesthetic NFTs that can be added to a Parcel, but do not affect its Alchemica or other statistics. They just look dope.

## 2.3 Take the Other Side

Players that possess Liquidator Credits can also choose to play as Liquidators. Liquidator credits can be earned by completing tasks, referring friends, participating in airdrops, or other ways. They can also be purchased with GHST.

The main goal of a Liquidator is to collect loose Alchemica that has been spilled around the Gotchiverse, but they can also exert aggression against Aavegotchis and certain Installations to earn Alchemica.

## 2.4 The Prophecy

It has been foretold that the day will come when the Citaadel's Force Field is lowered, allowing Liquidators to breach the walls and plunder the Great Portal in an event known as a Great Battle. This event will be repeated nine times, at the culmination of which a momentous mystery will be revealed. Any Liquidator reaching the Great Portal will plunder a share of the Alchemica stored within.

At the end of each Great Battle, it has been foretold that all Alchemica in the Gotchiverse Parcels will be replenished, nurtured by the Spirit Force of the fallen Gotchis and Liquidators, in preparation for the next battle.

## **2.5 Aadventures**

Aadventures are special regions outside of the main Gotchiverse where Aavegotchis can explore, battle NPC enemies, and gain experience and resources. But they don't last forever!



## **3 Tokenomics**

### **3.1 Total Supply**

The total supply of REALM is 420,069. Initially, 226,069 REALM will be unlocked and distributed over a period of two years. They make up the Citaadel and the Grid. The remaining REALM are currently obscured in an area known as The Beyond. As certain game milestones are reached, these REALM will be unlocked to offer new game experiences.

### **3.2 Distribution**

REALM Parcels will be distributed in two main ways:

#### **3.2.1 Method 1: Incentivized GBM Auctions**

The primary distribution method for REALM Parcels will be the incentivized GBM auction system. Participants will be able to select and bid on specific parcels from within the Gotchiverse world map.

If a bidder is outbid, their bid will be refunded, alongside an “incentive” reward in GHST.

#### **3.2.2 Method 2: Raffle**

The secondary distribution method for REALM Parcels will be Chainlink VRF-powered Raffles. Participants will enter via special Drop Tickets. Drop Tickets can be earned by holding summoned Aavegotchis, participating in Missions, or by converting FRENS points or other Raffle tickets at a rate of 10,000 FRENS points per Drop Ticket.

## 4 Timeline

Q3 2021 - REALM Presale #1 (Citaadel parcels) Q3 2021 - REALM Presale #2 (Citaadel and Grid parcels)  
- REALM Presale #3 (Citaadel and Grid parcels) Q4 2021 - Citaadel goes live Q1 2022 - Grid goes live -  
REALM Public Sale #1 - Liquidators arrive Q2 2022 - First Great Battle - REALM Public Sale #2 Q3 2022 -  
Second Great Battle Q4 2022 - Third Great Battle

## 5 Appendix

### 5.1 Earning in Aavegotchi

There are several ways to earn yield in Aavegotchi extended universe.

Yield Name	What is it	How to Earn
FRENS	An internal balance, convertible to Raffle Tickets.	Stake GHST, GHST-USDC, or GHST-QUICK
GHST	Eco-governance token of Aavegotchi	Participate in Rarity Farming
Gotchus	Alchemica Materials (ERC-20 tokens) used for building Installations	Harvesting from REALM parcels
GLMR	(GAX Liquidity Mining Rewards) Materials used for speeding up construction	Providing liquidity on GAX