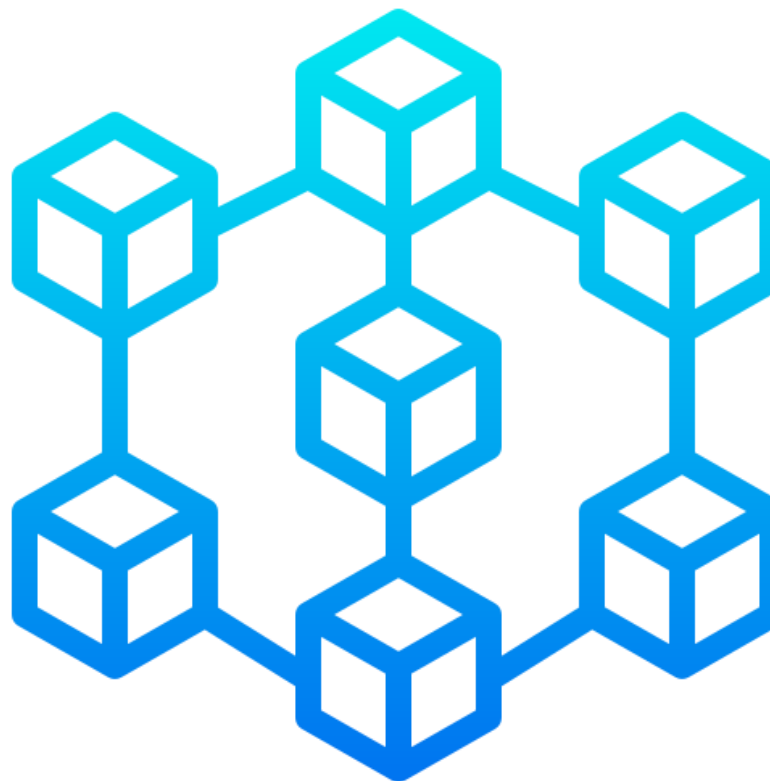


Archiving Cryptocurrencies RESAW2023

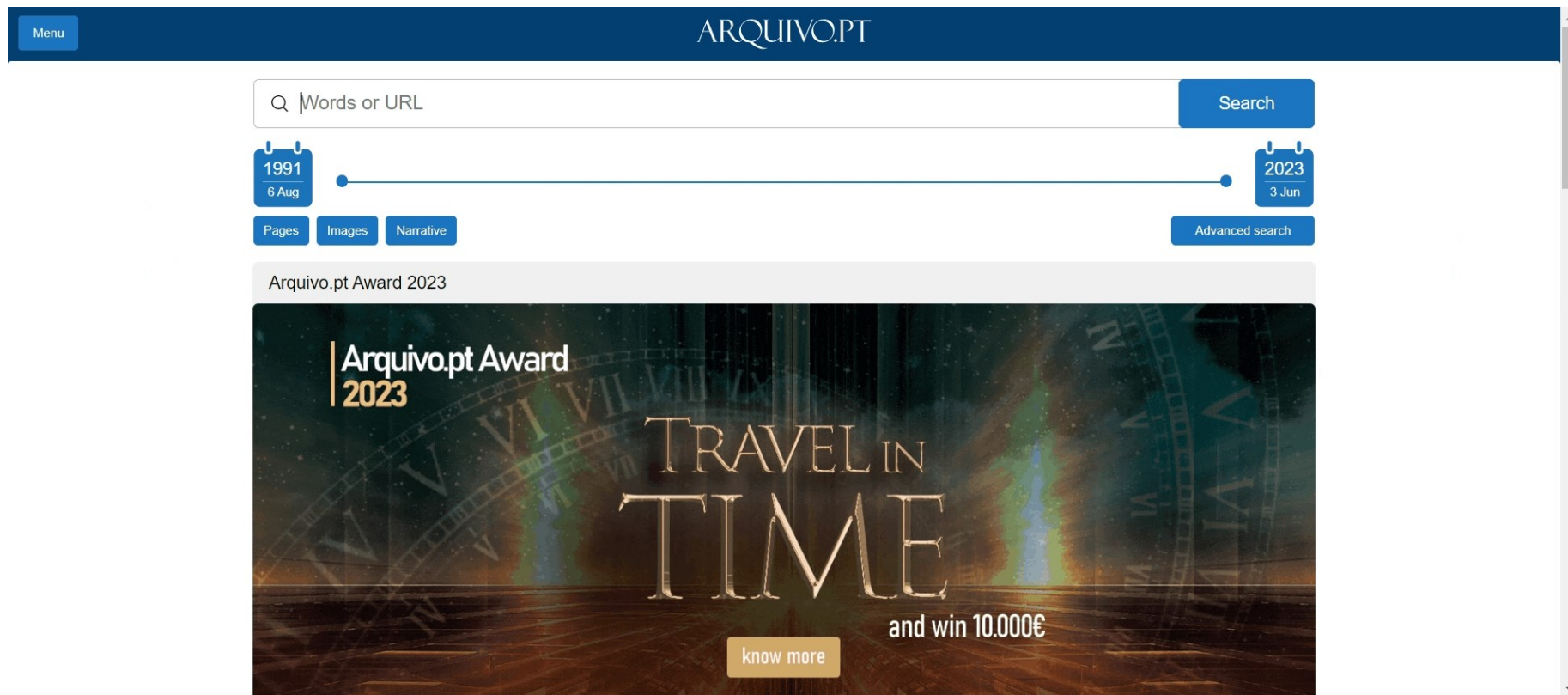
Pedro Gomes, Arquivo.pt,
FCCN, pedro.gomes@fccn.pt

Daniel Gomes, Arquivo.pt,
FCCN, daniel.gomes@fccn.pt



Who are we?

- **Free online** service to research the Past Web
- Preserves **public** information
- A digital research infrastructure



Arquivo.pt preserves national and international historical web content

GALILEO Versão 2.0

Janeiro 1993

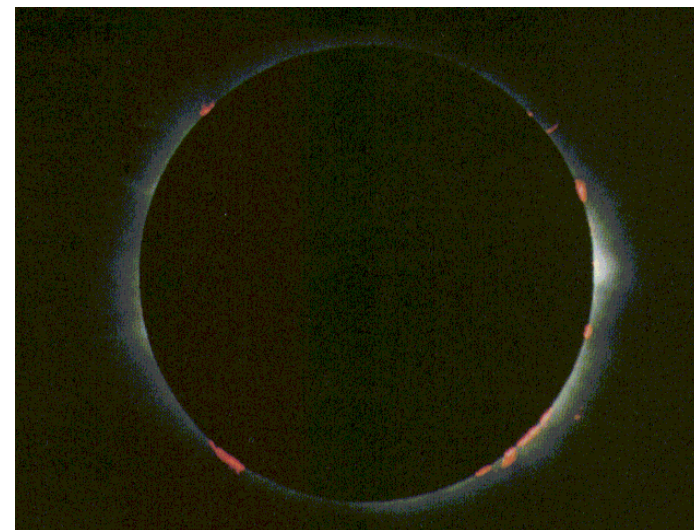
Manual de utilização e sugestões de exploração	<i>AUTORES</i> Programação: João Veloso Manual: Elisa Prata Pina e M. Augusta Patrício Orientação: Carlos Fiolhais
--	---

Departamento de Física da Universidade de Coimbra

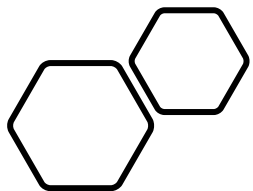
ÍNDICE

1. Apresentação sumária do programa 2. Características do equipamento 3. Configuração mínima do computador 4. Ficheiros do programa
--

nautilus.fis.uc.pt - 1993
(oldest page)



spacelink.nasa.gov – 1992
(oldest image)



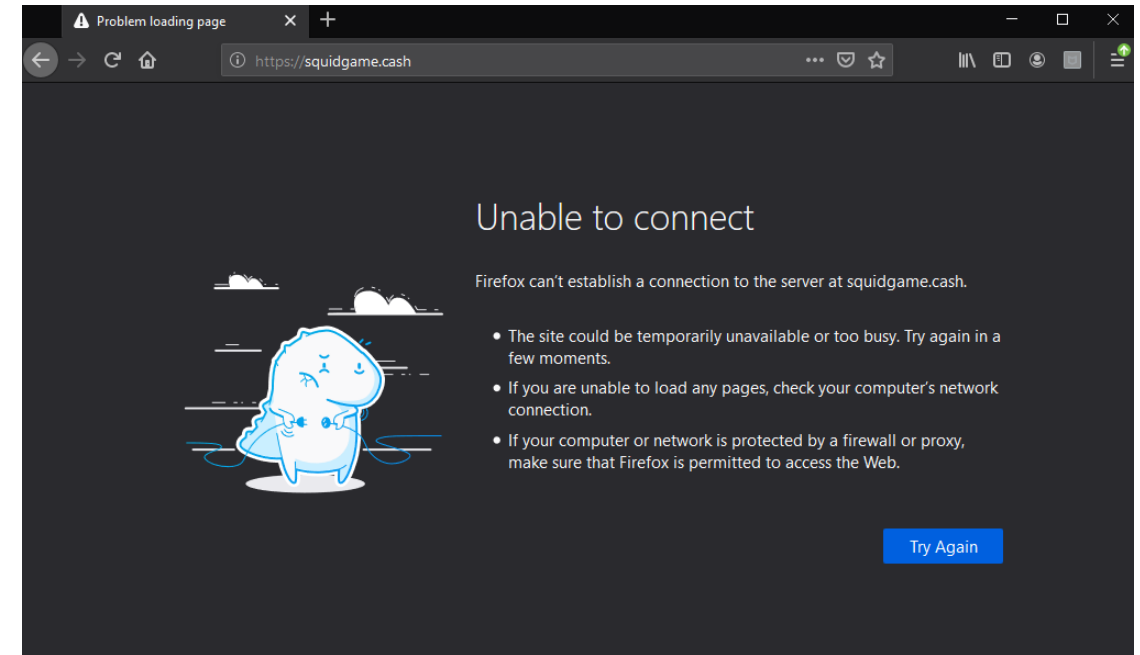
Cryptocurrencies?

- Created in 2008, with Bitcoin and Blockchain.
- Since 2008 until today more than 15 000 cryptocurrencies\projects were created.
- Financials, Art and Gaming.

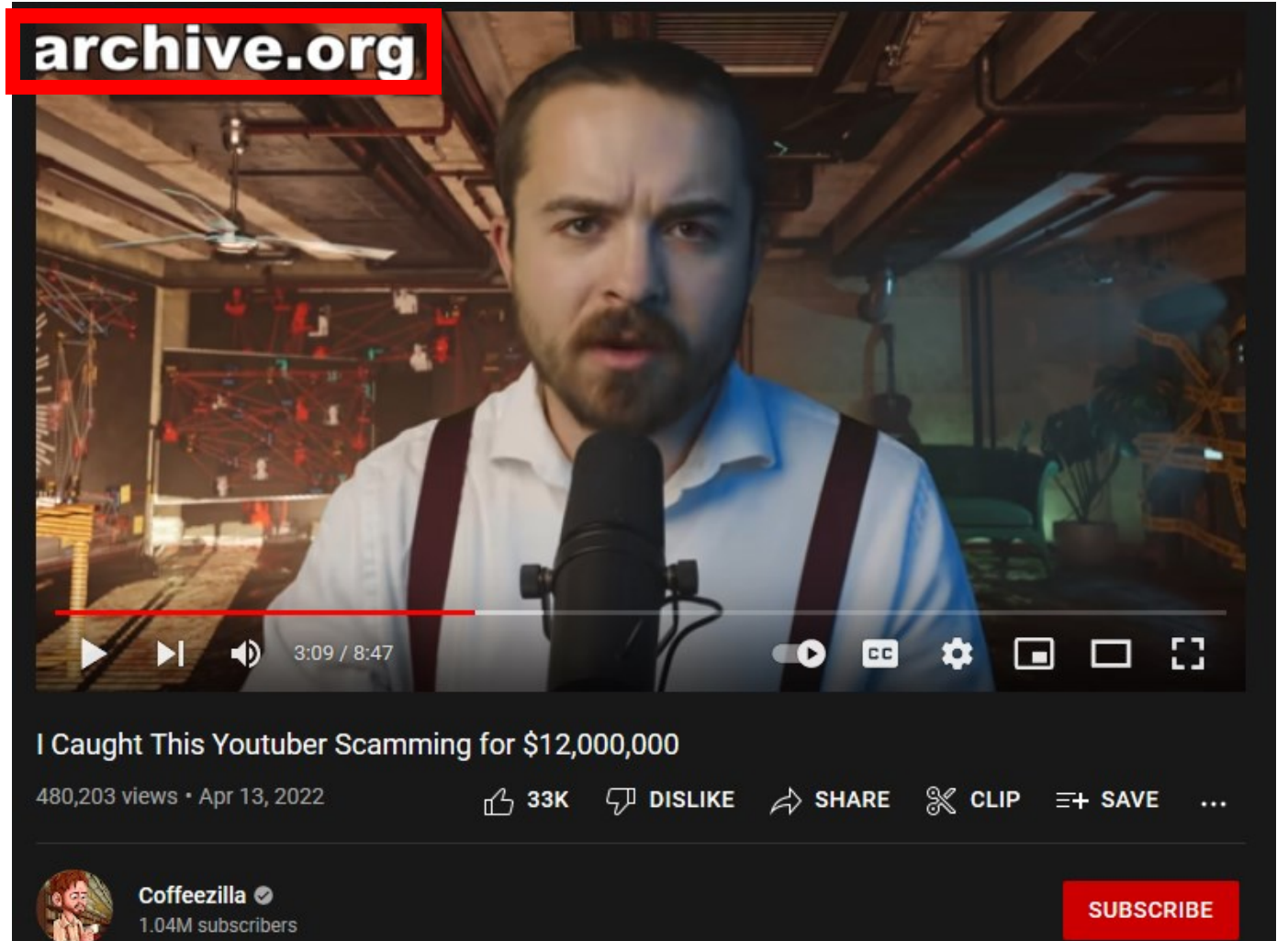
Motivation

Many projects are created every day, giving rise to a wide and varied range of websites, technologies and scams.

Markets follow financing stages, and it is during an initial stage of euphoria that more projects are created.



Case study

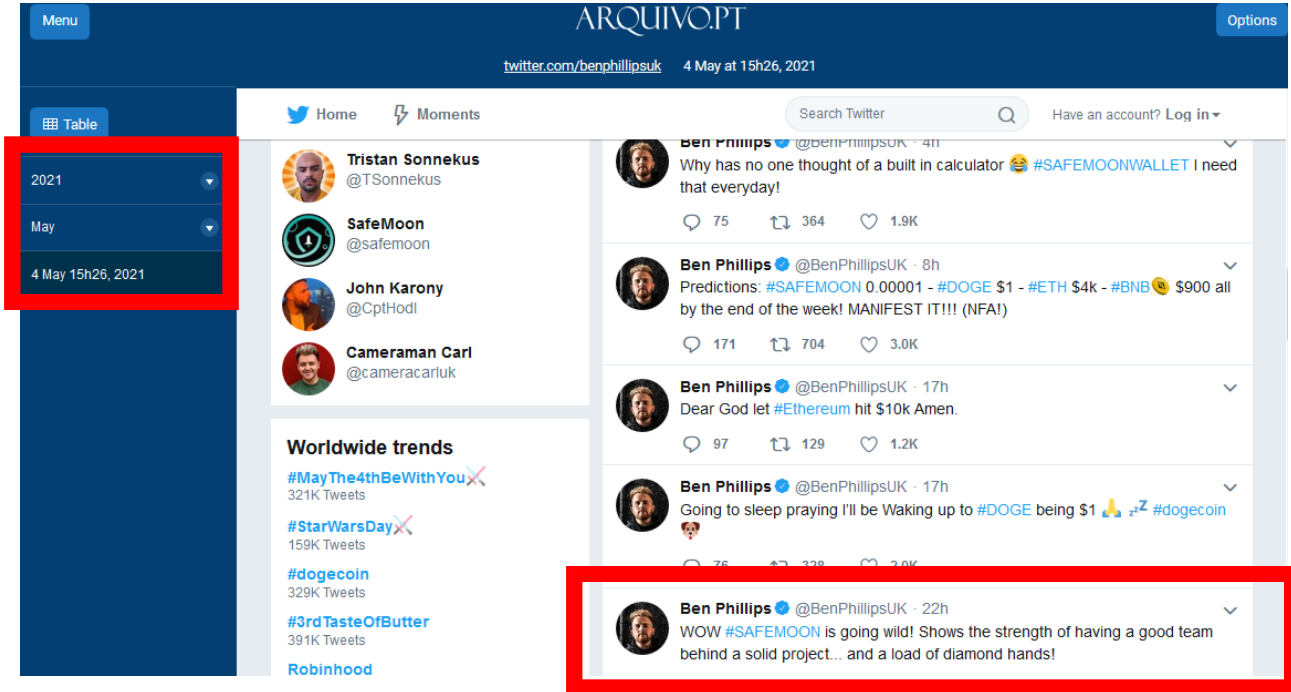


youtube.com/watch?v=xgMyFb0JnsE

Live web - twitter.com/benphillipsuk



Arquivo.pt, 04/05/2021- twitter.com/benphillipsuk



Deleting Tweets

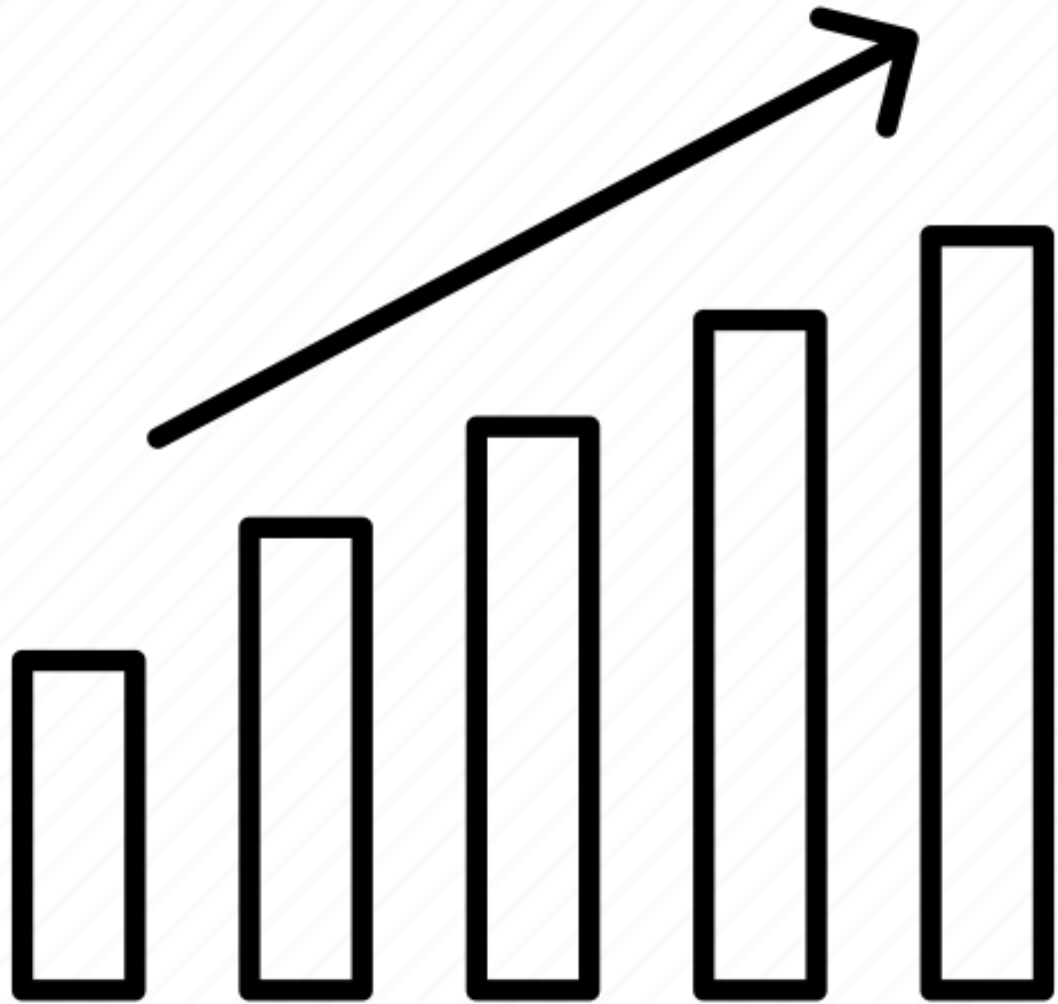
Selling the promoted project

The video player displays three lines of text, each preceded by 'For' and followed by a Bitcoin icon:

- For 451.147095148518443377 (\$196,547.21)
- For 795.314528033462610924 (\$346,487.55)
- For 472.102173535839855154 (\$205,676.52)

The video player controls show a progress bar at 4:12 / 8:47. Below the player, the video title is 'I Caught This Youtuber Scamming for \$12,000,000', with 480,203 views and a date of Apr 13, 2022. The engagement bar shows 33K likes, dislikes, share, clip, save, and more options. The channel name is 'Coffeezilla' with a verified badge and 1.04M subscribers. A red 'SUBSCRIBE' button is located at the bottom right.

Increase our
collections
& Users
community



Cryptocurrencies

Examples



squidgame.cash

SquidGame - preserved by Arq

https://arquivo.pt/wayback/20211030140243/https://squidgame.cash/

Menu

ARQUIVO.PT

squidgame.cash 30 October at 14h02, 2021

Options

Table

2021

October

30 October 14h02, 2021

31 October 21h37, 2021

SquidGame

Home Game Market Finance Doc Buy Join

SQUID GAME

Buy SQUID

Chart

Buy Marbles

Chart

Elon Musk Shilled For Squid Game, \$SQUID To The Moon

World of Engineering (@engnews, 14h)
What's was the most overhyped thing of 2021?

h450w (3) (@dolar_emoon - 14h)
squid game

Elon Musk (@elonmusk)
Replying to @dolar_emoon
Squid Game is Squid Game for ISPs
2:55 am - 23 Oct 2021 - Twitter for iPhone

1 November 2021

The screenshot shows the CoinMarketCap website for the Squid Game (SQUID) token. The page is viewed through a web browser with the URL <https://arquivo.pt/wayback/20211101002253/https://coinmarketcap.com/currencies/squid-game/>. The date and time are 1 November at 00h22, 2021.

The left sidebar shows a navigation menu with the following items:

- Menu
- Table
- 2021
- November
- 1 November 00h22, 2021** (highlighted with a red box and a red arrow)
- 2 November 10h59, 2021

The main content area displays the Squid Game (SQUID) token page. The price is shown as **\$38.52** (highlighted with a red box and a red arrow), with a 143.37% increase. The token is ranked #2896 and is on 30,434 watchlists. The page also includes a warning message: "We have received multiple reports that users are not able to sell this token in Pancakeswap. Please do your own due diligence and exercise extreme caution. This project, while clearly inspired by the Netflix show of the same name, is not affiliated with the official IP."

Additional information on the page includes:

- Cryptos: 13,347
- Exchanges: 425
- Market Cap: \$2,639,714,369,831
- 24h Vol: \$137,295,906,936
- Dominance: BTC: 44.0% ETH: 19.3%
- ETH Gas: 171 Gwei
- Language: English
- Currency: USD
- Log In
- Sign up
- Search

The bottom of the page features links to squidgame.cash, Explorers, Community, Chat, and Source code. There are also buttons for Buy, Exchange, Gaming, and Earn Crypto.

2 November 2021

Screenshot of the CoinMarketCap website for Squid Game (SQUID) on November 2, 2021, at 10:59. The page shows a warning about the token being 'rugged' and a price of \$0.003138, which is a 28.93% decrease.

Warning: We have received multiple reports that the website and socials are no longer functional & users are not able to sell this token in Pancakeswap. There is growing evidence that this project has **rugged**. Please do your own due diligence and exercise extreme caution. This project, while clearly inspired by the Netflix show of the same name, is NOT affiliated with the official IP.

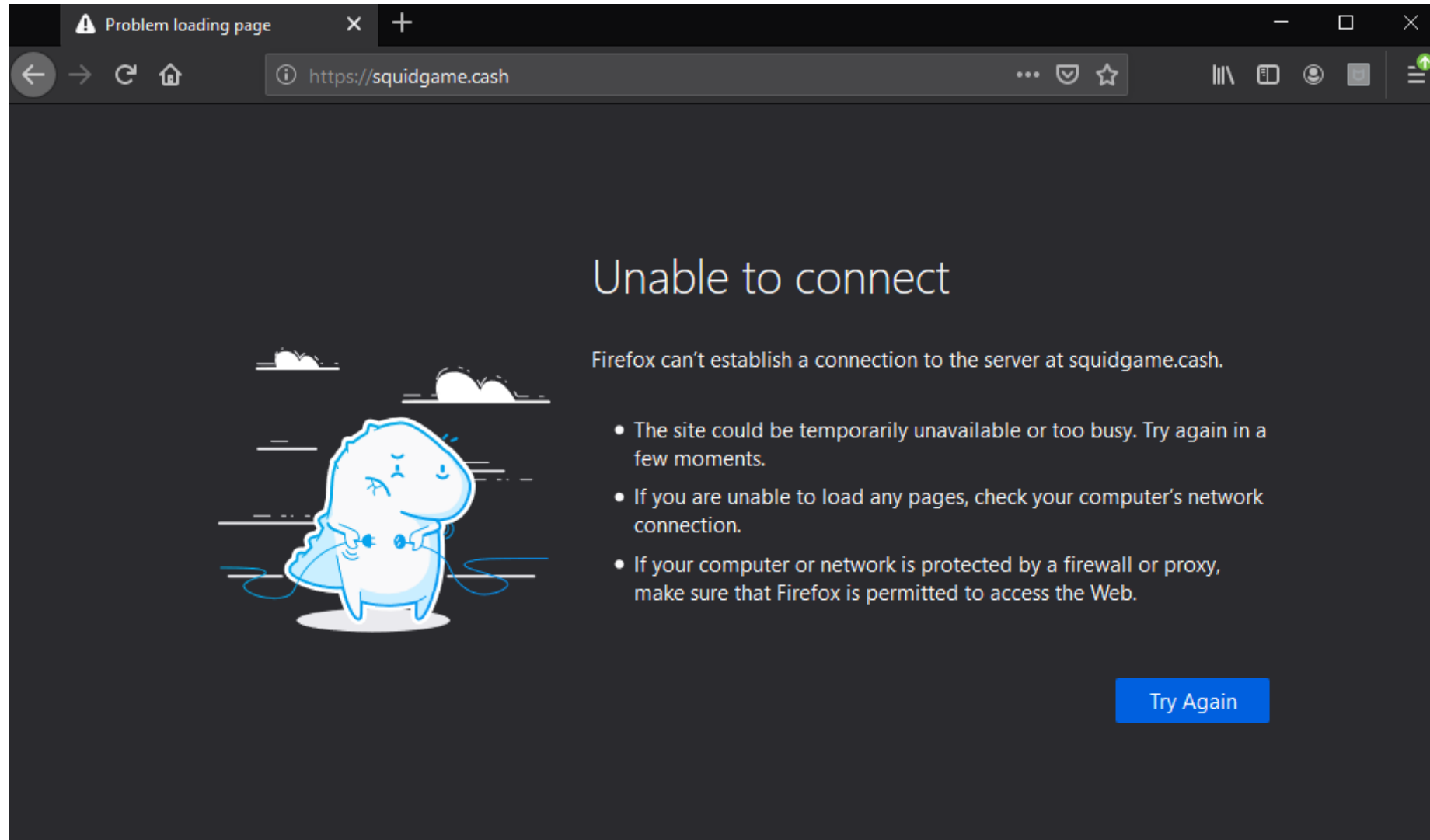
Squid Game Price (SQUID)

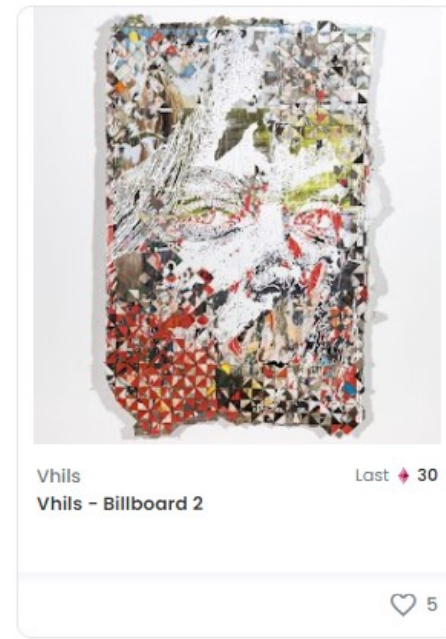
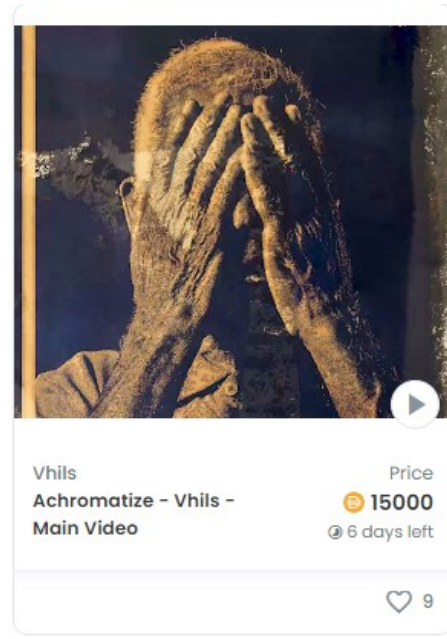
Asset	Price	Change
SQUID	\$0.003138	-28.93%
0.00000004967 BTC		+30.06%
0.0000007057 ETH		+30.87%

Low: \$0.002487 High: \$0.008126 24h

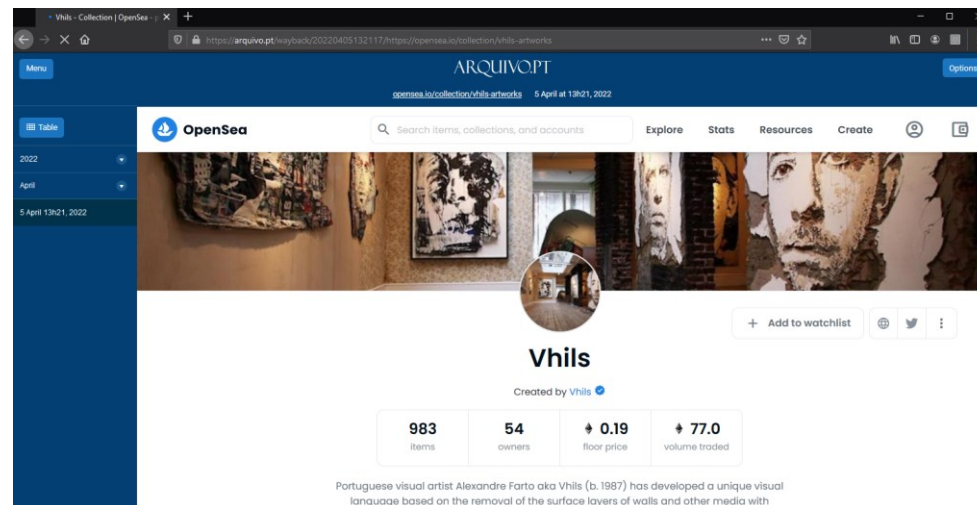
Contracts:

2023

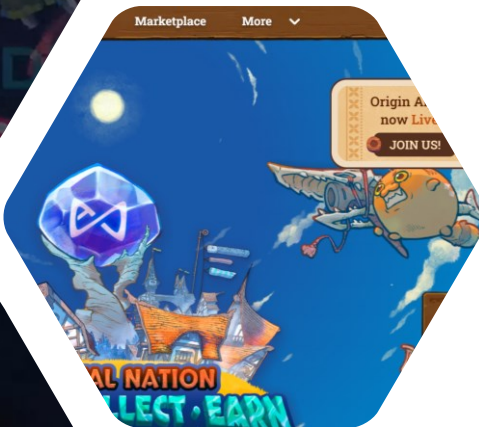
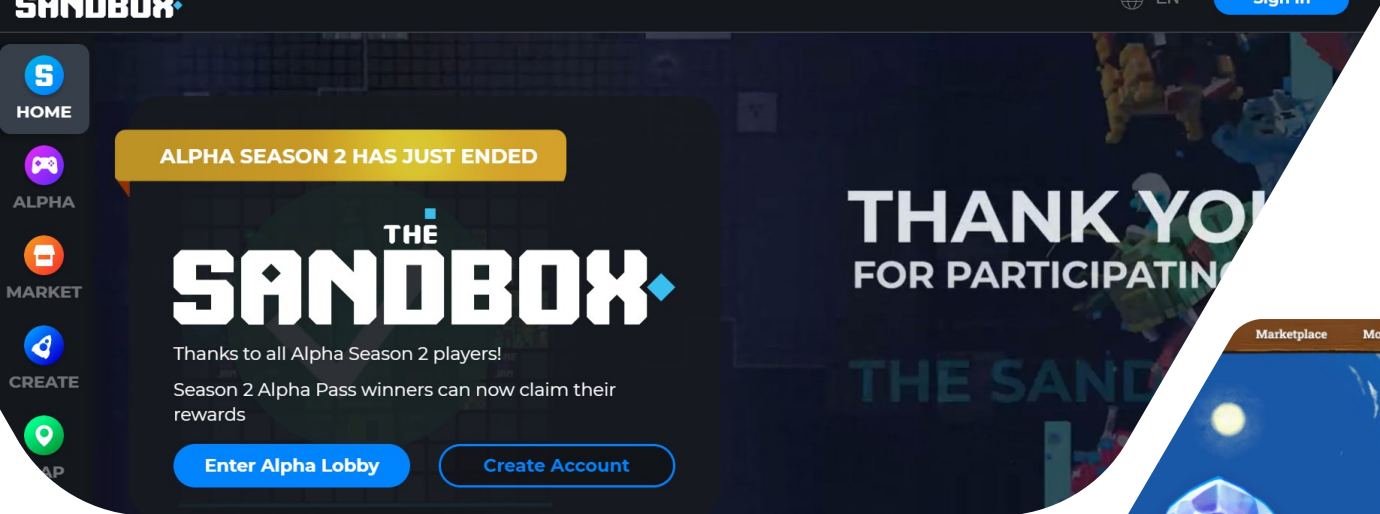




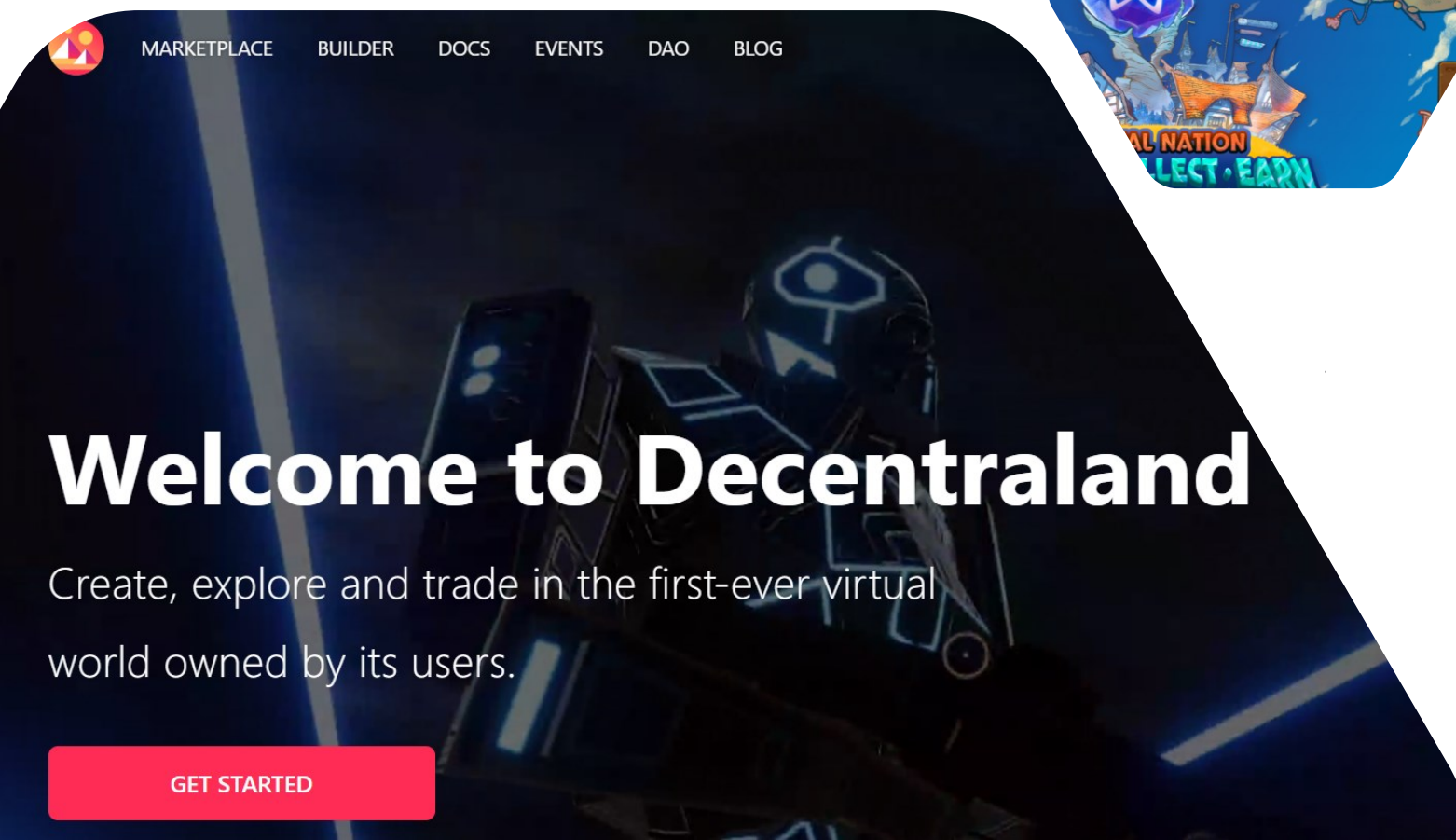
Art



NFT



Gaming Metaverse



THE SANDBOX



Play-to-Earn

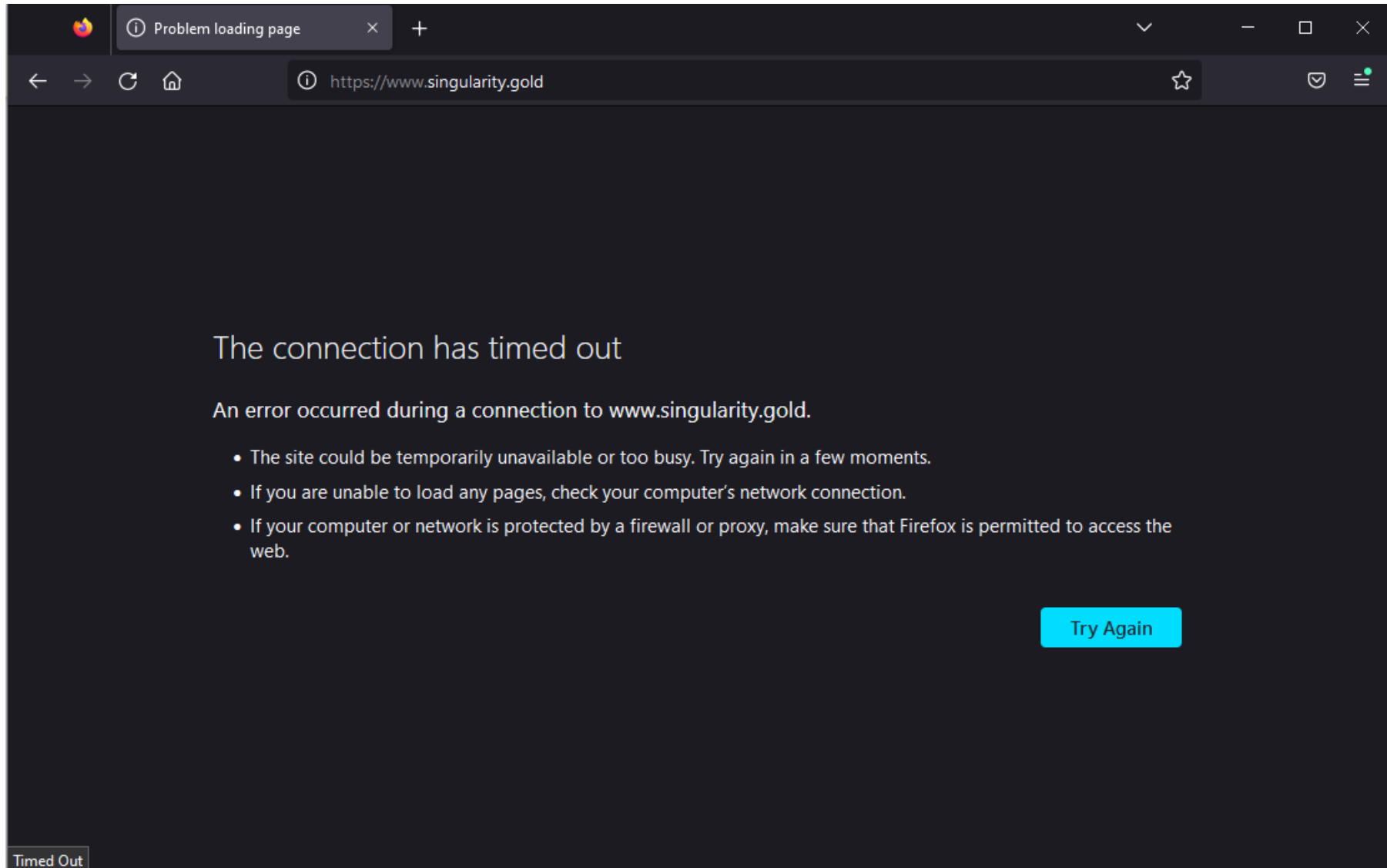
- Refers to the concept of gaming in which a platform provides its players with a chance to earn money with the in-game assets.





arquivo.pt/wayback/20220504064758/https://www.singularity.gold/

singularity.gold



Yeti Coin



METZ



Fitmint



STEPN



Calo App



Walken



MOVEY



PUML Better Health



SpaceXmove



The Landscape Of

MOVE TO EARN

lotexmonstergo



VICMOVE



Projects

OliverX



WIRTUAL



AIRCOINS



DEFY



JUMPN



Dustland



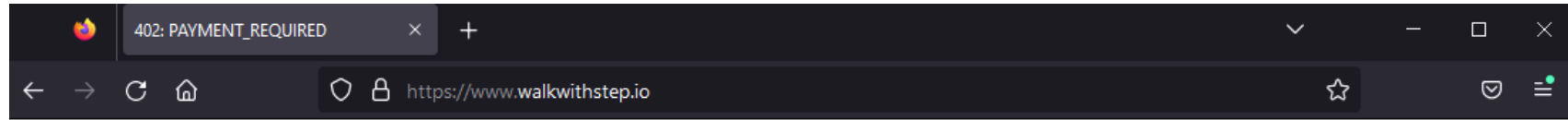
AIRCOINS



Fitness Evolution



walkwithstep.io



This Deployment has been disabled.

Your connection is working correctly.

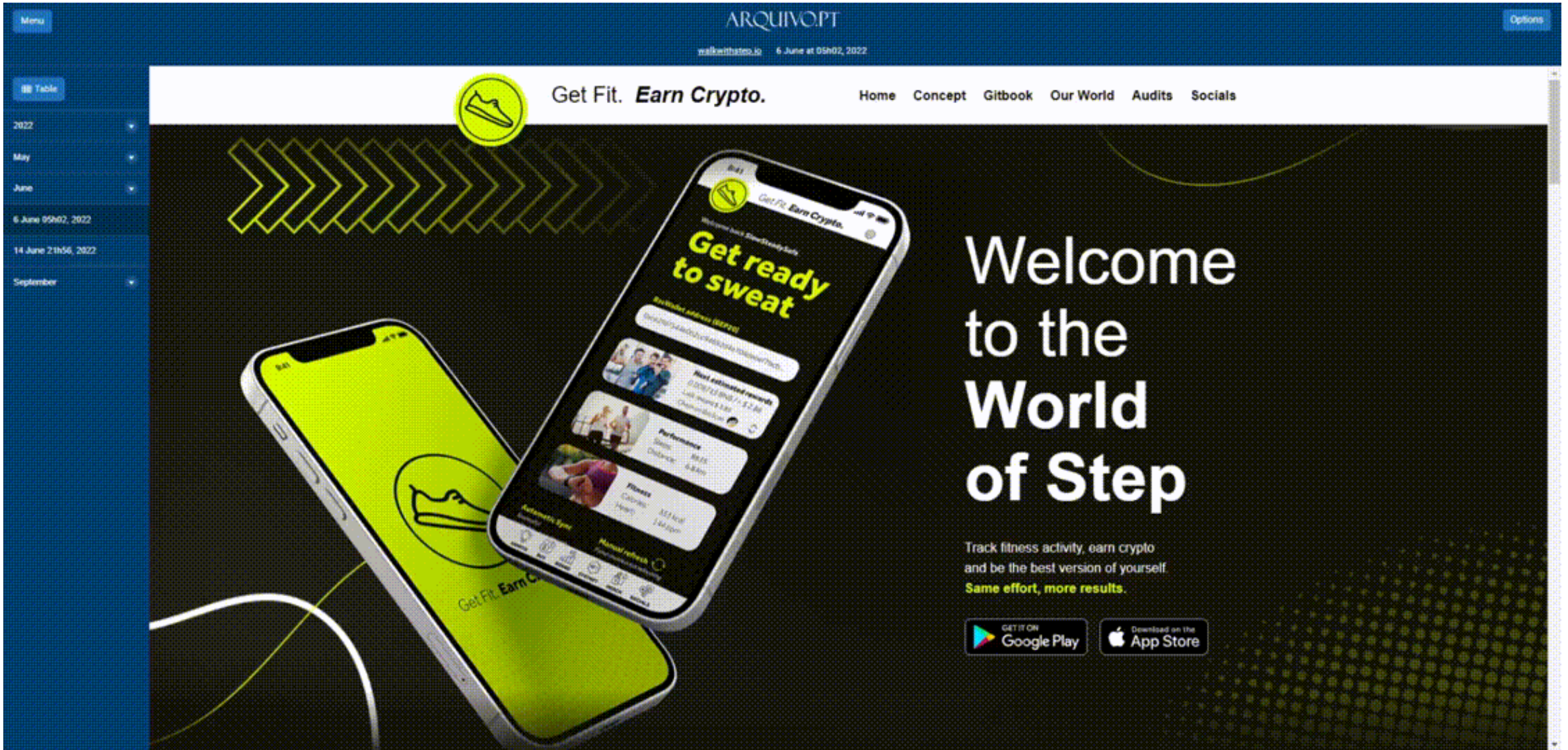
Vercel is working correctly.

402: PAYMENT_REQUIRED

Code: `DEPLOYMENT_DISABLED`

ID: `cdg1::hlhtn-1684920657102-7cf456f1de01`

- If you are a visitor, contact the website owner or try again later.
- If you are the owner, please [read this documentation section](#).



arquivo.pt/wayback/20220606050245/https://walkwithstep.io/




Memecoins






PEPEUSDT SPOT, 2h, BITGET O0.00000128674 H0.00000129299 L0.00000110033 C0.00000117332 -0.00000011342 (-8.81%)
Vol · PEPE 380.534B






100 + projects/websites

 **Fuck Pepe** FKPEPE  




Rank #4495 Token On 447 watchlists

 **PepeCola** PEPECOLA  




Rank #3272 Token On 222 watchlists

 **ElonPepe** ELONPEPE  




Rank #4238 Token On 1,484 watchlists

 **Pepe Grinch** PEPEGRINCH  




Rank #5788 Token On 83 watchlists

 **MicroPepe** MPEPE  




Rank #4569 Token On 151 watchlists

 **Baby Pepe** BBPP  




Rank #3048 Token On 15,406 watchlists

 **McPepe's** PEPES  

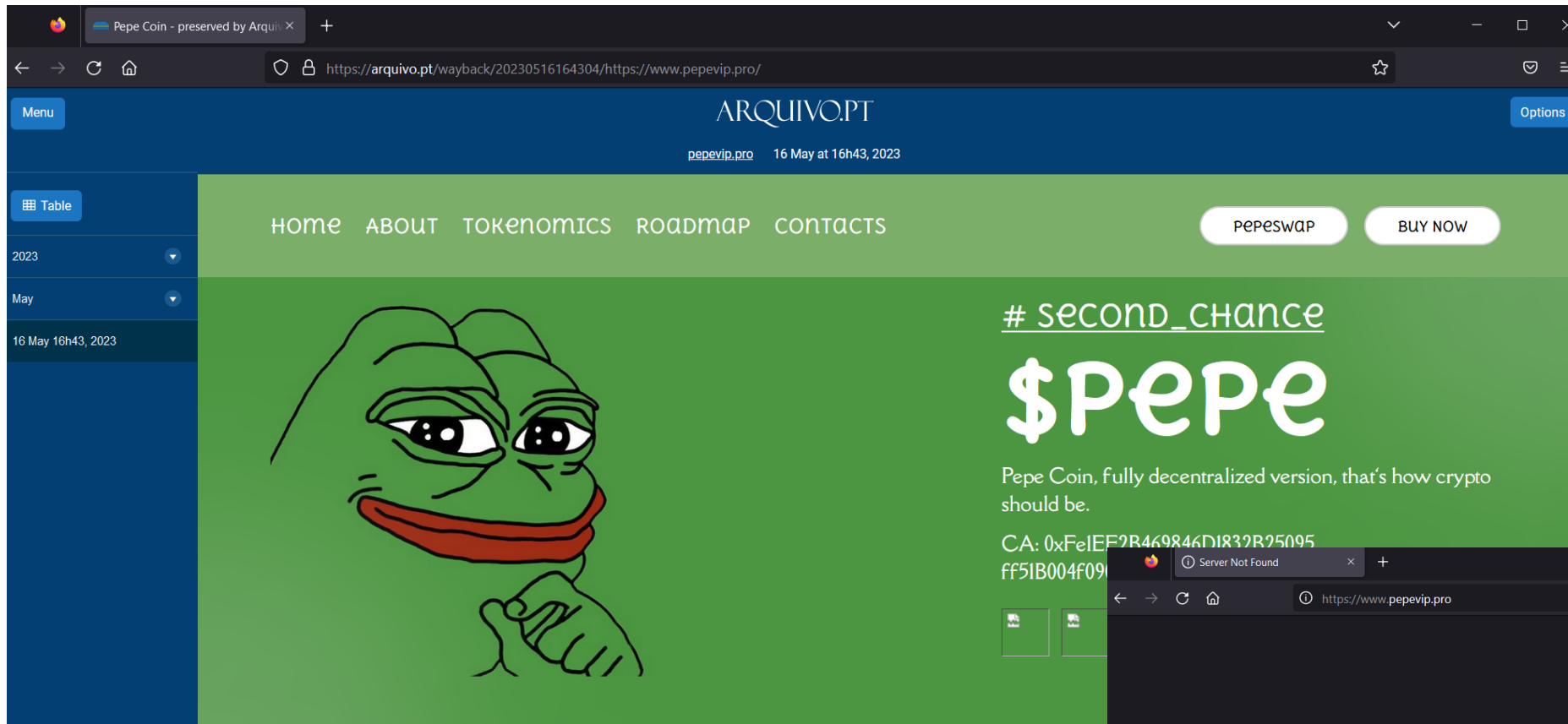
Rank #3505 Token On 482 watchlists

 **Pepe AI** PEPEAI  

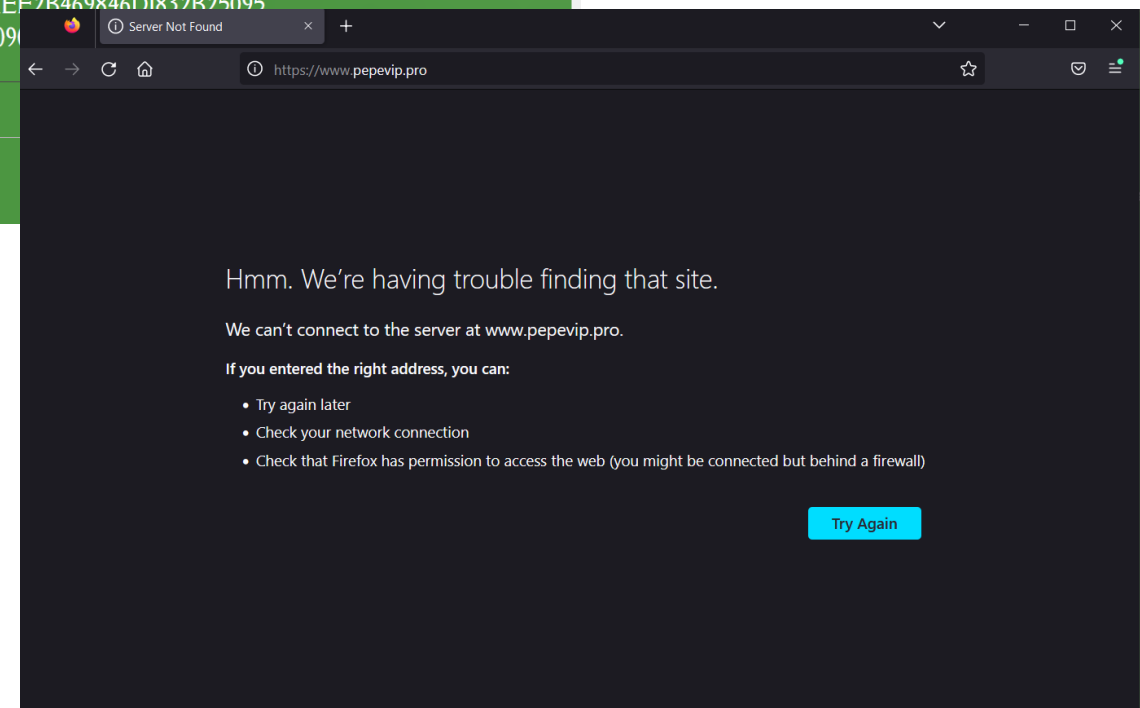
Rank #4304 Token On 13,156 watchlists

 **Pepe Dubai** \$PEPEDUBAI  

Rank #4546 Token On 293 watchlists

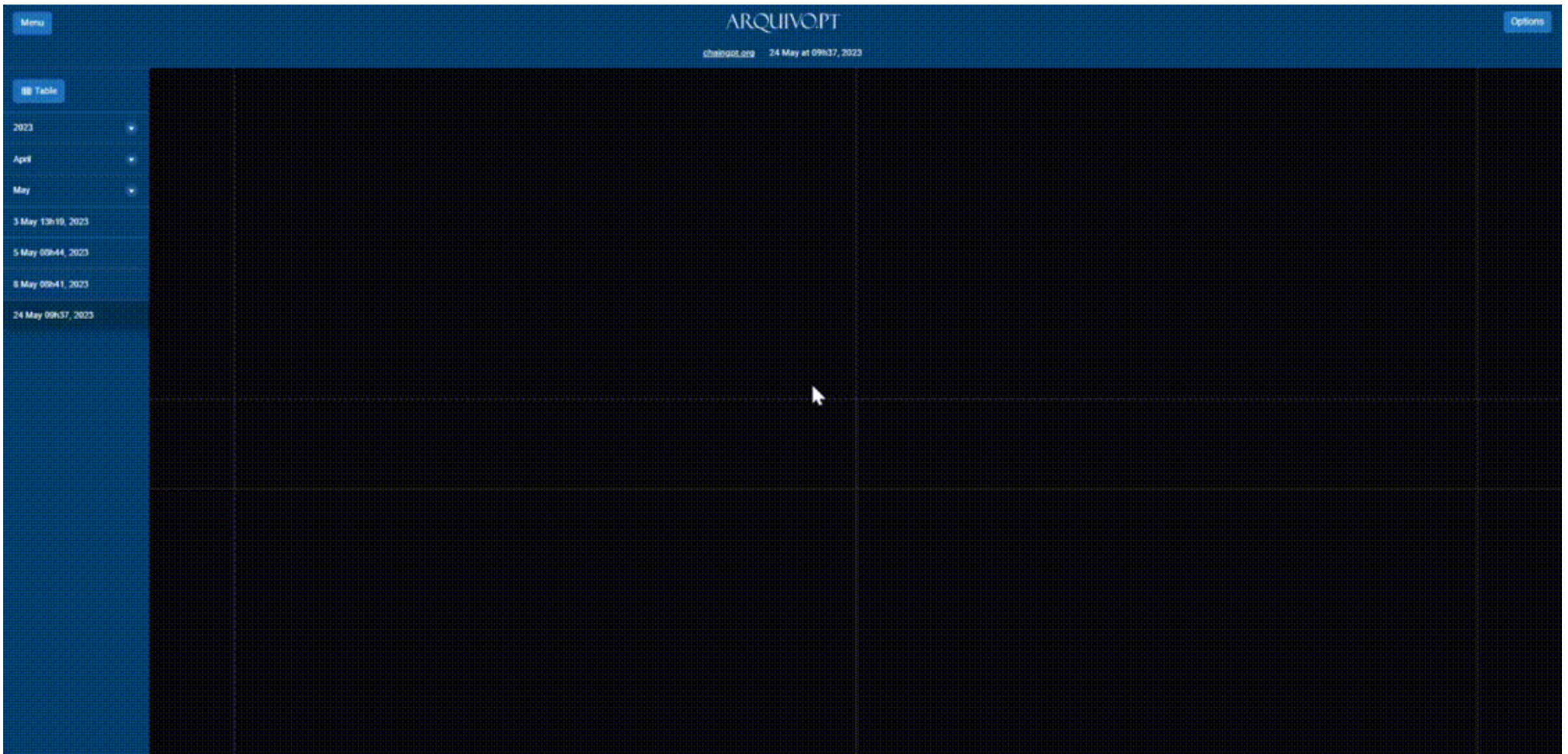


[arquivo.pt/wayback/20230516164304/www.pepevip.pro](https://arquivo.pt/wayback/20230516164304/https://www.pepevip.pro/)



Will the future be AI?





arquivo.pt/wayback/20230524093733/https://www.chaingpt.org/

Procedure

1. Get the ID from all the projects lists in each platform.
2. Get the information of each project:
 - Website
 - Github
 - Instagram
 - Twitter
 - Facebook
 - Reddit
3. Save the information in a file (csv).



<https://docs.opensea.io/reference/api-overview>



<https://api.coingecko.com/api>



<https://coinmarketcap.com/api>

Dataset cryptocurrencies

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	ID	Name	Symbol	URLs_HomePage	Categories	Platforms	Github	Twitter	Facebook	Reddit	Archived_URLs_Homepage	Archived_Github	Archived_Twitter	Archived_Facebook	Archived_Reddit
2	01coin	01coin	zoc	https://01coin.io/	Masternodes		https://github.com/01coin/01coin	https://twitter.com/01coin	https://facebook.com/01coin	https://reddit.com/01coin	https://arquivo.pt/wayback/https://01coin.io/	https://arquivo.pt/wayback/https://github.com/01coin/01coin	https://arquivo.pt/wayback/https://twitter.com/01coin	https://arquivo.pt/wayback/https://facebook.com/01coin	https://arquivo.pt/wayback/https://reddit.com/01coin
3	0-5x-lor	0.5X Long	#alghalf	https://ftx.com/tokens/ALGOHALF		ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/ALGOHALF				
4	0-5x-lor	0.5X Long	#althalf	https://ftx.com/tokens/ALTHALF		ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/ALTHALF				
5	0-5x-lor	0.5X Long	#asdhalf	https://ftx.com/trade/ASDHALF/USD		ethereum					https://arquivo.pt/wayback/https://ftx.com/trade/ASDHALF/USD				
6	0-5x-lor	0.5X Long	#bchhalf	https://ftx.com/tokens/BCHHALF		ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/BCHHALF				
7	0-5x-lor	0.5X Long	#ehalf	https://ftx.com/tokens/HALF	Leveraged Tr	ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/HALF				
8	0-5x-lor	0.5X Long	#cadahalf	https://ftx.com/tokens/ADAHALF		ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/ADAHALF				
9	0-5x-lor	0.5X Long	#linkhalf	https://ftx.com/tokens/LINKHALF		ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/LINKHALF				
10	0-5x-lor	0.5X Long	#atomhalf	https://ftx.com/tokens/ATOMHALF		ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/ATOMHALF				
11	0-5x-lor	0.5X Long	#dogehalf	https://ftx.com/tokens/dogehalf		ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/dogehalf				
12	0-5x-lor	0.5X Long	#eoshalf	https://ftx.com/tokens/EOSHALF	Leveraged Tr	ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/EOSHALF				
13	0-5x-lor	0.5X Long	#etchhalf	https://ftx.com/tokens/ETCHALF		ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/ETCHALF				
14	0-5x-lor	0.5X Long	#ethhalf	https://ftx.com/tokens/ETHHALF		ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/ETHHALF				
15	0-5x-lor	0.5X Long	#knchalf	https://ftx.com/tokens/KNCHALF		ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/KNCHALF				
16	0-5x-lor	0.5X Long	#matchhalf	https://ftx.com/tokens/MATCHALF		ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/MATCHALF				
17	0-5x-lor	0.5X Long	#privhalf	https://ftx.com/tokens/PRIVHALF		ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/PRIVHALF				
18	0-5x-lor	0.5X Long	#sxphalf	https://ftx.com/tokens/SXPHALF		ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/SXPHALF				
19	0-5x-lor	0.5X Long	#thetahalf	https://ftx.com/tokens/thetahalf		ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/thetahalf				
20	0-5x-lor	0.5X Long	#xrphalf	https://ftx.com/tokens/XRPHALF	Leveraged Tr	ethereum					https://arquivo.pt/wayback/https://ftx.com/tokens/XRPHALF				
21	Ocash	Ocash	zch	https://Ocash.org			https://github.com/Ocash/Ocash	https://twitter.com/OcashT			https://arquivo.pt/wayback/https://Ocash.org	https://arquivo.pt/wayback/https://github.com/Ocash/Ocash	https://arquivo.pt/wayback/https://twitter.com/OcashT		
22	Ochain	Ochain	zcn	https://Ochain.net/	Storage	ethereum	https://github.com/Ochain/Ochain	https://twitter.com/Ochain	https://facebook.com/Ochain	https://reddit.com/Ochain	https://arquivo.pt/wayback/https://Ochain.net/	https://arquivo.pt/wayback/https://github.com/Ochain/Ochain	https://arquivo.pt/wayback/https://twitter.com/Ochain	https://arquivo.pt/wayback/https://facebook.com/Ochain	https://arquivo.pt/wayback/https://reddit.com/Ochain
23	Ox	Ox	zrx	https://Ox.org/	Decentralize	ethereum	https://github.com/Ox/Ox	https://twitter.com/OxOrg	https://facebook.com/OxOrg	https://reddit.com/OxOrg	https://arquivo.pt/wayback/https://Ox.org/	https://arquivo.pt/wayback/https://github.com/Ox/Ox	https://arquivo.pt/wayback/https://twitter.com/OxOrg	https://arquivo.pt/wayback/https://facebook.com/OxOrg	https://arquivo.pt/wayback/https://reddit.com/OxOrg
24	Oxcert	Oxcert	zxc	https://Oxcert.org/	Protocol	ethereum	https://github.com/Oxcert/Oxcert	https://twitter.com/Oxcert	https://facebook.com/Oxcert	https://reddit.com/Oxcert	https://arquivo.pt/wayback/https://Oxcert.org/	https://arquivo.pt/wayback/https://github.com/Oxcert/Oxcert	https://arquivo.pt/wayback/https://twitter.com/Oxcert	https://arquivo.pt/wayback/https://facebook.com/Oxcert	https://arquivo.pt/wayback/https://reddit.com/Oxcert
25	Oxdao	OxDAO	OXD	https://www.oxdao.org/											
26	Oxdao-v	OxDAO V2	oxd v2	https://www.oxdao.org/											
27	Oxmone	OxMonero	Oxmr	https://Oxmone.org/											
28	Oxpad	OxPAD	Oxpad	https://Oxpad.io/											
29	Oxpad	OxPAD	Oxpad	https://Oxpad.io/											

	A	K	L	M	N	O
1	ID	Archived_URLs_Homepage	Archived_Github	Archived_Twitter	Archived_Facebook	Archived_Reddit
2	01	https://arquivo.pt/wayback/https://01coin.io/	https://arquivo.pt/wayback/https://github.com/01coin/01coin	https://arquivo.pt/wayback/https://twitter.com/01coin	https://arquivo.pt/wayback/https://facebook.com/01coin	https://arquivo.pt/wayback/https://reddit.com/01coin
3	0-	https://arquivo.pt/wayback/https://ftx.com/tokens/ALGOHALF				
4	0-	https://arquivo.pt/wayback/https://ftx.com/tokens/ALTHALF				
5	0-	https://arquivo.pt/wayback/https://ftx.com/trade/ASDHALF/USD				

Link to script → github.com/arquivo/scripts/blob/master/Crypto/Get_Crypto_URLs.py

Link to dataset → arquivo.pt/datasetCrypto

Collection overview

- Date: 1 full year (2022)
- Number URLs: 105 253
- Number Files: 122 491 428
- Disk Space: 12 TB



Oops!

404- Page Not Found

Oops!

404- Page Not Found

•

+

Oops!

404- Page Not Found

○

Oops!

404- Page Not Found

+50%



Conclusions

- Web Archive can play an important role in the development of cryptocurrency.
- International researchers could originate innovative scientific contributions by using the access tools provided by Arquivo.pt.
- And apply for the Arquivo.pt Annual Awards!
 - arquivo.pt/awards