CRYPTO ASSETS

AND AN INSIGHT INTO INVESTIGATIVE TECHNIQUES

KURT CAESTECKER

SPECIAL TAX INSPECTORATE

BELGIUM

KURT.CAESTECKER@MINFIN.FED.BE

FEBRUARY 2025

OECD International Academy for Tax Crime Investigation

Conducting Financial Investigations

OECD

CEPOL
EUROPEAN UNION AGENCY FOR LAW ENFORCEMENT TRAINING

OECD International Academy for Tax Crime Investigation
Conducting Financial Investigations
OECD

OECD
BETTER POLICIES FOR BETTER LIVES

EMPACT
Fighting crime together

VYTAUTAS MAGNUS UNIVERSITY
M C M X X I I

Federale Politie
Police Fédérale

Technology Services European Network of Law Enforcement
ENLETS

Federale
Overheidsdienst
FINANCIEN

BIJZONDERE
BELASTINGINSPECTIE

openbaar
ministerie

Financial investigations?

IT'S ALL ABOUT THE MONEY!

Basic Wire Transfer

Originator

Originating Bank

Intermediary Bank

Beneficiary Bank

Beneficiary

CORRESPONDENT BANKING – FOLLOW THE MONEY

Basic Wire Transfer

Multiple Intermediar

FEDERAL RESERVE BANK USA

KBC-bank Belgium in USD

JP Morgan in the USA

City Bank in the USA

ING-bank Belgium in USD

CORRESPONDENT BANKING – FOLLOW THE MONEY

Criminal Funds Flow

CORRESPONDENT BANKING – FOLLOW THE MONEY

CORRESPONDENT BANKING – FOLLOW THE MONEY

TXN Date	Base Amount	Originator Name	Originator Account ID	Originator Address Street	Originator Address City	Originator Country Code	Originator's Bank Name	Beneficiary Name	Beneficiary Account ID	Beneficiary's Bank Name	Bank to Bank Instructions
RXN_EXCTN_D	TRXN_BASE_AM	SCND_ORIG_NM	SCND_ORIG	SCND_ORIG	SCND_ORIG	IG_ADDR_C	ORIG_NM	SCND_BENE	SCND_BENEF	BENEF_NM	BANK_TO_BANK
15-Jun-07	$29,973.02	Chester Chan	12345	Suite 4 Chen	BEIJING	CN	BANK OF CHINA	Bad Guy	74310753794	BANK INDONESIA	FOR LIVING COST
29-Oct-10	$100,950.00	Desert Heat	21296-00	PO Box 89	SANAA	YE	UNITED ARAB BANK	Bad Guy	1001565223	COOPERATIVE BANK	Consulting Fee
18-May-09	$10,000.00	Bad Guy	ad67898	7th Avenue, #	LAGOS	NG	ECOBANK NIGERIA	NewCo Ltd	sdrea	JPMORGAN CHASE	Invoice 23423425
1-Sep-10	$69,001.94	Bad Guy	12345678	7th Avenue, #	SHARJAH	AE	UNITED ARAB BANK	Bobs Boats	HY98036	UBS BANK	Electronic Goods
1-Oct-10	$100,950.00	Bad Guy	876543456	7th Avenue, #	SHARJAH	AE	UNITED ARAB BANK	Bobs Boats	HY98036	UBS BANK	Trade Goods
30-Aug-10	$1,400,000.00	DW82902652543	Bad Guy	6 Maple Ave	CALGARY	CA	TD BANK	Bobs Boats	LB20005600	BANK AUDI S.A.L	Investments
30-Jan-13	$40,000.00	Muhammad Ali	678946	21 Safari Wa	KANO	NG	FIDELITY BANK	ABC Corp	053-05533	HSBC HONG KONG	B/O Jessie James

LAW ENFORCEMENT & BANK COLLABORATION

- WHO TO SERVE & WITH WHAT (MLATS; EGMONT; INTERPOL; SUBPOENAS)
  - WHO IN THE US? (FED, CHIPS)
- EACH BANK IS DIFFERENT
- BANK SAR FILING
- ASSET SEIZURE ORDERS

What…is a Cryptocurrency?

- Cryptocurrency (or Cryptoasset) are a type of **virtual currency** or alternative currency designed to work as a medium of exchange within certain communities.

- A **cryptocurrency** uses cryptography to **secure** transactions, **control** the creation of additional units, and verify the **transfer** of assets.

- Cryptocurrencies mainly use **decentralised** control
  - No single point of contact
  - No regulatory body

- The decentralised control of each cryptocurrency works through **distrubuted ledger technology**, typically a **blockchain**, that serves as a **public financial transaction database**.

What…is a Cryptocurrency?

- Over 10,000 available
- Different uses
- Different features
- Total market capitalisation and tranding volume is enormous

	Currency	Average rate	Market value	Volume (24h)	Exchange (24h)
1	Bitcoin (BTC)	57 684.00 USD	1 078 951 984 661.00 USD	64 729 631 749.00 USD	2.94%
2	Ethereum (ETH)	3 525.00 USD	408 003 494 910.00 USD	42 368 534 705.00 USD	2.31%
3	Binance Coin (BNB)	626.75 USD	96 827 057 831.00 USD	4 013 399 730.00 USD	0.27%
4	Dogecoin (DOGE)	0.718 USD	93 220 563 499.00 USD	29 225 167 974.00 USD	23.10%
5	XRP (XRP)	1.58 USD	72 806 058 248.00 USD	8 321 702 066.00 USD	-0.42%
6	Tether (USDT)	1.00 USD	55 450 864 493.00 USD	182 912 164 309.00 USD	-0.32%
7	Cardano (ADA)	1.61 USD	51 565 994 689.00 USD	6 351 302 964.00 USD	-0.55%
8	Polkadot (DOT)	39.66 USD	39 257 905 350.00 USD	2 283 120 553.00 USD	-2.61%
9	Bitcoin Cash (BCH)	1 389.64 USD	26 008 475 094.00 USD	10 009 299 187.00 USD	-2.84%
10	Litecoin (LTC)	345.21 USD	23 066 628 639.00 USD	11 425 466 531.00 USD	-5.20%

May 8th 2021

Currency	Average rate	Market value	Volume (24h)	Exchange (24h)
1 Bitcoin (BTC)	38 671.00 USD	726 549 557 877.00 USD	37 241 464 083.00 USD	12.06%
2 Ethereum (ETH)	2 357.05 USD	275 736 528 174.00 USD	25 666 860 282.00 USD	8.59%
3 Tether (USDT)	0.998 USD	61 900 669 608.00 USD	67 403 062 082.00 USD	-0.32%
4 Binance Coin (BNB)	321.93 USD	49 779 620 980.00 USD	1 893 336 388.00 USD	6.65%
5 Cardano (ADA)	1.36 USD	43 726 078 185.00 USD	2 231 714 593.00 USD	10.98%
6 XRP (XRP)	0.666 USD	30 841 167 006.00 USD	2 582 507 492.00 USD	9.81%
7 Dogecoin (DOGE)	0.225 USD	29 497 819 560.00 USD	2 721 115 896.00 USD	13.11%
8 USD Coin (USDC)	0.999 USD	27 320 751 934.00 USD	2 508 060 030.00 USD	-0.23%
9 Polkadot (DOT)	14.95 USD	15 350 391 713.00 USD	1 014 294 013.00 USD	10.25%
10 Binance USD (BUSD)	1.00 USD	11 927 543 267.00 USD	5 272 610 805.00 USD	-0.05%

July 26th 2021

Currency	Average rate	Market value	Volume (24h)	Exchange (24h)
1 Bitcoin (BTC)	30 036.00 USD	583 710 695 749.00 USD	7 735 998 849.00 USD	0.02%
2 Ethereum (ETH)	1 912.16 USD	229 629 482 787.00 USD	9 567 521 078.00 USD	0.53%
3 Tether (USDT)	0.998 USD	83 723 583 913.00 USD	9 769 018 222.00 USD	-0.23%
4 XRP (XRP)	0.787 USD	41 368 225 868.00 USD	2 861 775 301.00 USD	6.47%
5 BNB (BNB)	242.95 USD	37 834 996 328.00 USD	740 244 842.00 USD	0.14%
6 USD Coin (USDC)	1.00 USD	26 982 193 968.00 USD	4 764 281 364.00 USD	-0.16%
7 Lido Staked Ether (STETH)	1 911.17 USD	14 805 888 113.00 USD	29 741 406.00 USD	0.59%
8 Cardano (ADA)	0.317 USD	11 094 475 385.00 USD	304 840 995.00 USD	3.49%
9 Solana (SOL)	26.24 USD	10 551 838 940.00 USD	675 487 407.00 USD	0.68%
10 Dogecoin (DOGE)	0.069 USD	9 711 857 822.00 USD	311 209 165.0	

July 19th 2023

CRYPTOCURRENCY RATES LIVE

https://coinmarketcap.com/

CoinMarketCap

FATF Definition of Virtual currencies/Cryptocurrencies

Financial Action Task Force definition:

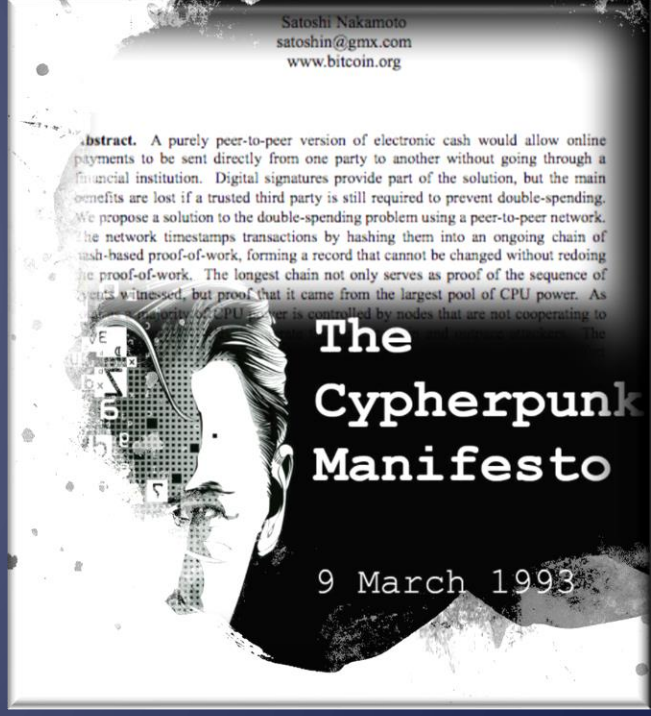
"Virtual currency is a digital representation of value that can be digitally traded and functions as:
(1) A medium of exchange; and/or
(2) A unit of account; and/or
(3) A store of value, bud does not have legal tender status (i.e., when tendered to a creditor, is a valid and legal offer of payment) in any jurisdiction. It is not issued nor guaranteed by any jurisdiction, and fulfils the above functions only by agreement within the communtity of users of the virtual currency"

Key Points:

- Decentralized – No central agency to approach for information on users
- Peer to Peer – controlled by the invested community
- Issued through providing resources to the network – This helps to verify transactions and provide security.
- Value is based on supply & demand, the economic policy or desire to invest in the technology on offer.

In its most recent updat to the guidance the FATF also defined some cryptocurrencies are "virtual assest" which they defined as: "A virtual asset is a digital representation of value that can be digitally traded, or transferred, and can be used for payment or investment purposes. Virtual assets do not include digital representations of fiat currencies, securities and other financial assets that are already coverd elswhere in the FATF Recommomendations."

Where… did they come from? A brief hisory



- 1992 – Cypherpunks
- A cypherpunk is any activist advocating widespread use of strong cryptography and privacy-anhancing technologies as a route to social and political change.
- "*Privacy is necessary for an open society in the electronic age… We are defending our privacy with cryptography…and with* ***electronic money***".
  (Eric Hughes, 'A Cypherpunk Manifesto, 1993)

Where… did they come from?

Electronic money:

1) **Conventient**

2) **Untraceable**

3) **Liberated** from the oversight of governments and banks

TRANSACTIONS

- In simple terms the transfer of bitcoin from one address to another. More precisely a transaction is a signed date structure expressing a transfer of value. Transactions are transmitted over the bitcoin network, controlled by **miners**, and included in blocks, made permanent on the blockchain.
- Each transaction has two sides, inputs and outputs.
- The **inputs** show the amount being sent and what sender addressed are involved.
- The **outputs** show the amount of bitcoin being credited and the recipients address.

inputs: 2 (0.00292888 BTC) unique addresses: 2, source transactions: 2				**outputs: 2** (0.00291008 BTC) unique addresses: 2, spent: nothing				
0.	1LmYcTgoxYCBN9iVjXtuJkUMMww3ZKTJdf	0.00252617 BTC	prev. tx	0.	16KnJRPXbNu3aJraaMMX274k2VYGPoMDSc	(change address)	0.00039096 BTC	unspent
1.	16KnJRPXbNu3aJraaMMX274k2VYGPoMDSc	0.00040271 BTC	prev. tx	1.	3BZWU6A4mK6neCte3U9qspmy6ZKJ5YHLrA	CoinPayments.net	0.00251912 BTC	unspent

- Importantly the inputs and outputs do not necessarily add up to the same amount.
- This is because there is a **fee** to pay for including a transaction in a block. As outlined computational power and energy is consumed when a block is mined. The fee provides some compensation for those carrying out the mining activity.

MINING

- In the previous slide we have looked at the concept of a **blockchain**. This is the **public ledger** of all transactions which everyone in the Bitcoin network accepts as the authoritative record of ownership.
- How though can everyone agree on this record without having to trust anyone else?
- How can the record withstand attack from dishonest or malicious parties?

- Bitcoin looks to solve this by creating what is essentially a **lottery** in which the winner gets to include transactions in the ledger (blockchain).
- Importantly though **the financial incentives** of this process encourages **honest behaviour** from the participants.

- There is a cost to entering the lottery as generating the winning numbers is a random process which requires **computer processing power**. Generating this power costs the participants in electricity expended.

EMPACT
Fighting crime together

MINING

MINING

The University of Cambridge's online tool estimates Bitcoin's annual electricity consumption is more than The Netherlands, United Arab Emirates and Argentina

https://digiconomist.net/bitcoin-energy-consumption

MINING

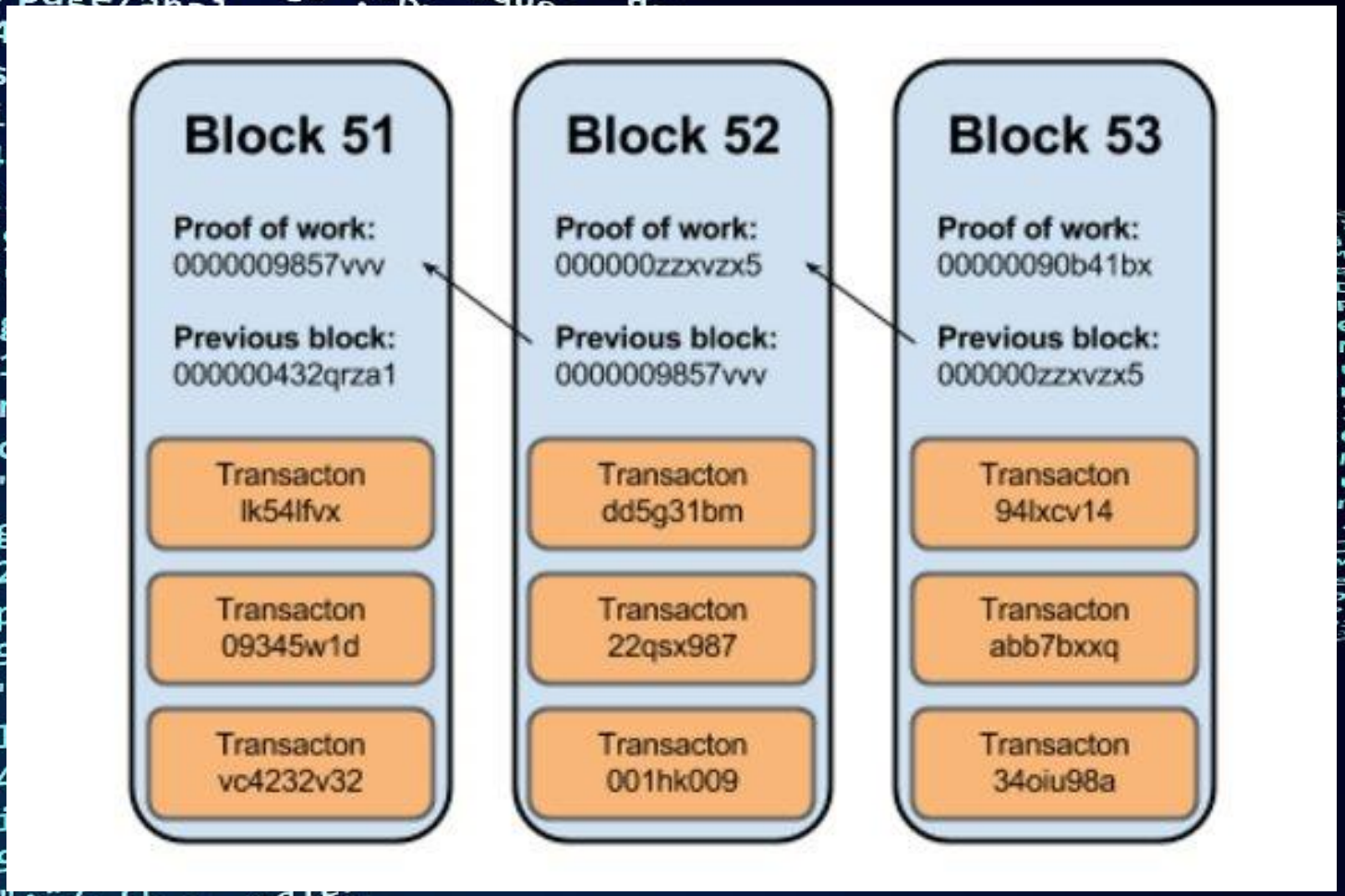
- **The winner of the lottery** gets to mint a number of new bitcoins and **claim the transaction fees** (coinbase transaction) for the ledger entry they have created (a block).
- However they cannot claim this reward **until a timelock has passed**.
- In the meantime if any node rejects any of the transactions in the ledger entry (block) because the rules have not been followed the winner loses their reward.

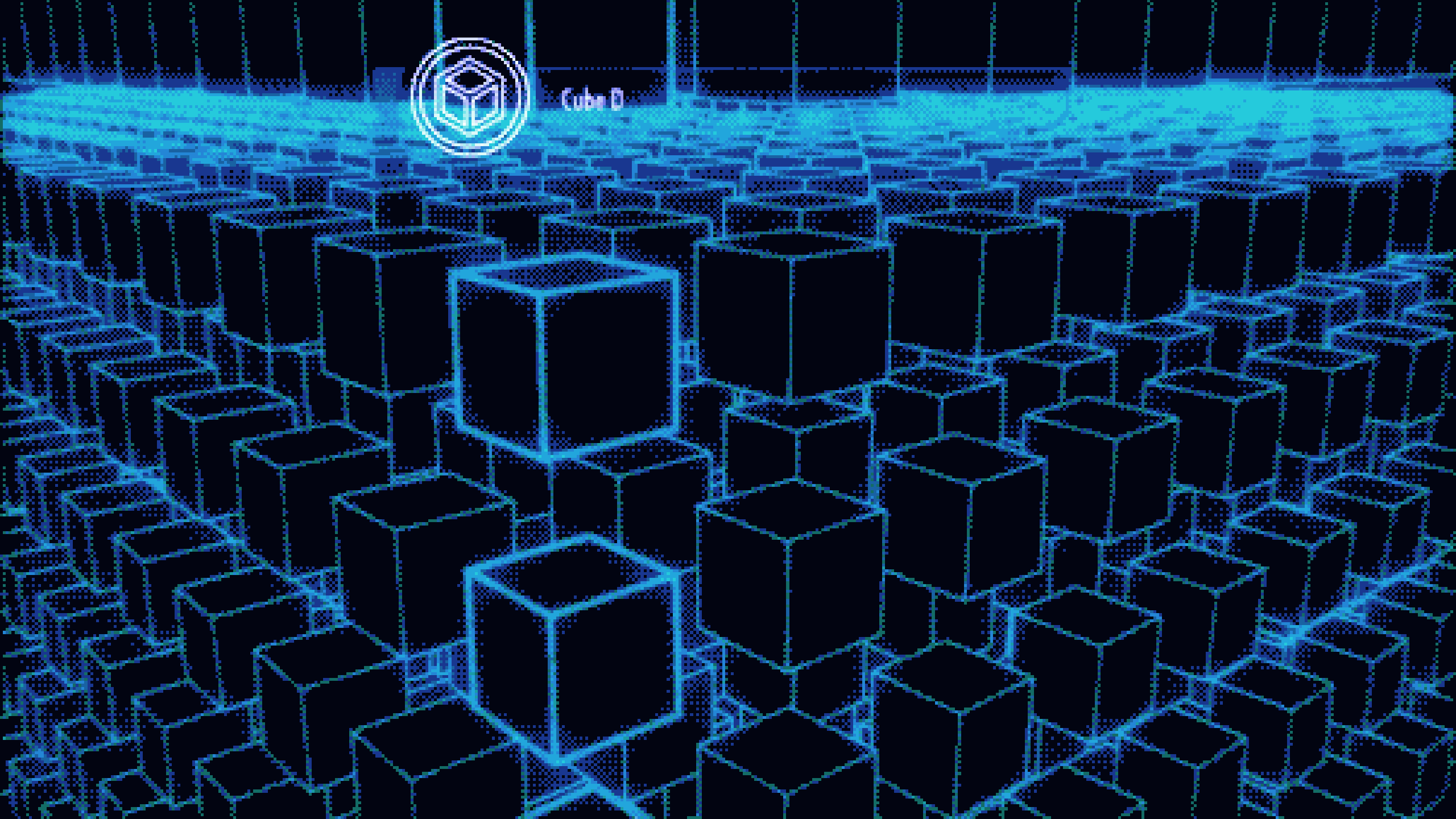
- As a result of dishonest behaviour has serious economic costs for participants. Further to this the ongoing success of the network provides participants with the opportunity of long term rewards through th asset appreciating in value.
- Dishonest behaviour would have a high risk of **undermining the value of the asset** and reducing the long term opportunities through loss of confidence in the protocol.

- **Participants** are called **miners**, the **lottery process** is called **mining** and the concept behind it is **proof of work**. Miners can also be nodes on the network.

EMPACT
Fighting crime together

Blockchain hashing?!




Cube D

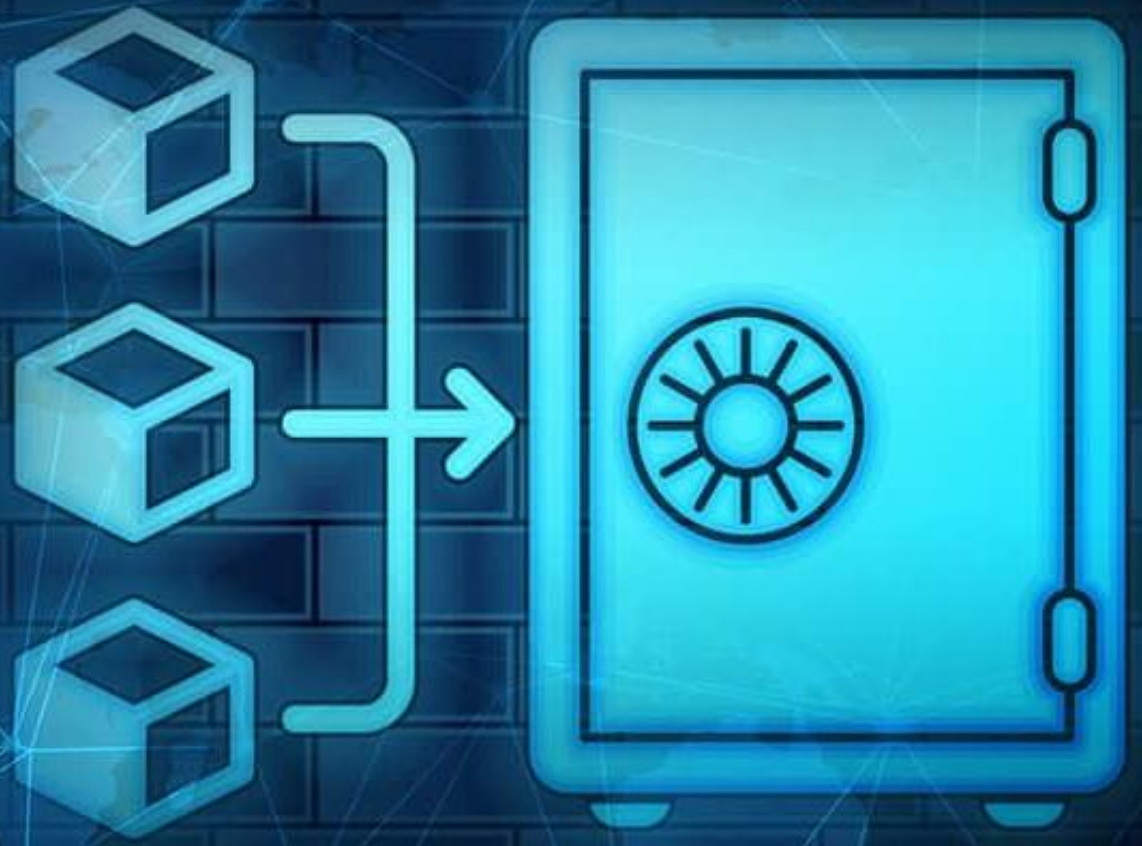
Blockchain explained!

Ethereum
Bitcoin
MEDIAN TRANSFER FEE
~$3.75 USD
Your Ad Here!
Blockchain
Blockchain
MEDIAN TX FEE
$3.99
Contribute Here
Ethereum POST
#19020188
59 Gwei
+0 Wei
#19020189
59 Gwei
+0 Wei
#19020190
56 Gwei
+1 Gwei
#19020191
49 Gwei
+1 Gwei
#826041
42 Sat/vB
#826042
39 Sat/vB
https://txstreets.com

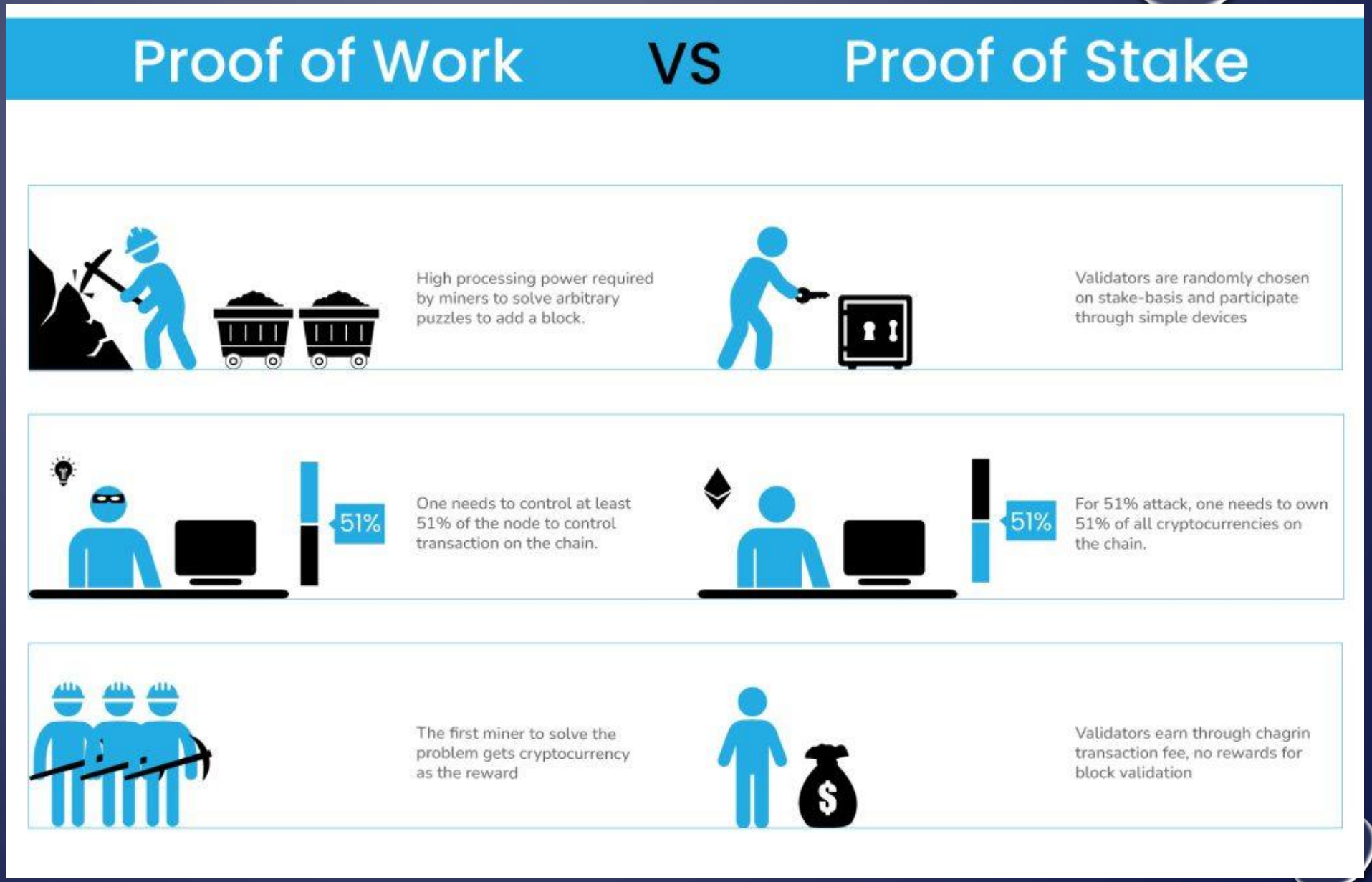
Ethereum's current energy expenditure with proof-of-work is too high and difficult to maintain. Solving energy expenditure without sacrificing security and decentralization is a major technical challenge and has been a focus of research and development for years.

A greener future for Ethereum is already being built in the form of a proof-of-stake (PoS) chain.

PROOF OF STAKE



In a PoS system, validators, also known as "forgers" or "stakers," are chosen to create new blocks and validate transactions based on the amount of cryptocurrency they hold and are willing to "stake" as collateral. The more cryptocurrency a participant is willing to lock up as collateral, the higher the chances they have to be chosen as the next validator to create a new block.

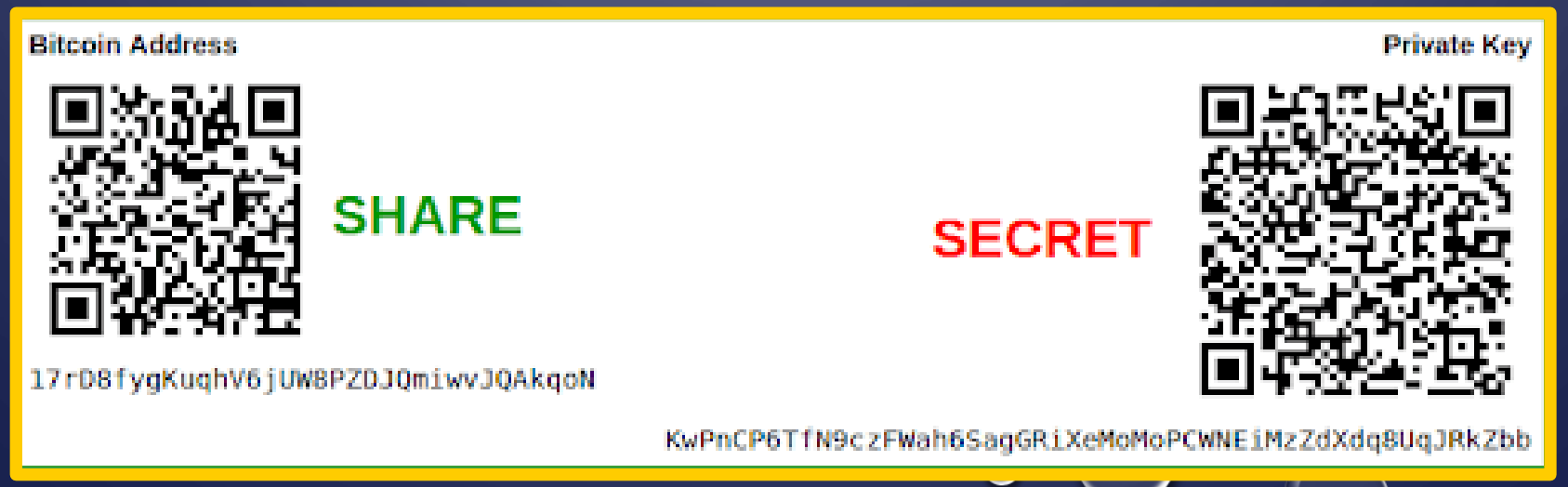


Public key vs Private key!

A **public key** allows you to receive cryptocurrency transactions.

It's a cryptographic code that's paired to a private key.

While anyone can send transactions to the public key, you need the **private key** to "unlock" them and prove that you are the owner of the cryptocurrency received in the transaction.



Custodial vs non-custodial wallets!

Custodial wallet

A custodial wallet is a wallet in which a third party (usually a crypto exchange) is responsible for managing your private keys.

Instead of having custodial access to your funds, a service provider gets complete control of your money. Users rely on custodial wallets because managing private keys is not an easy task.

Non-custodial wallet

A non-custodial wallet is a wallet in which you are responsible for storing and managing your private keys.

Instead of third parties like crypto exchanges having custodial access, you have full control over your digital assets.

BINANCE

Why do people use it?

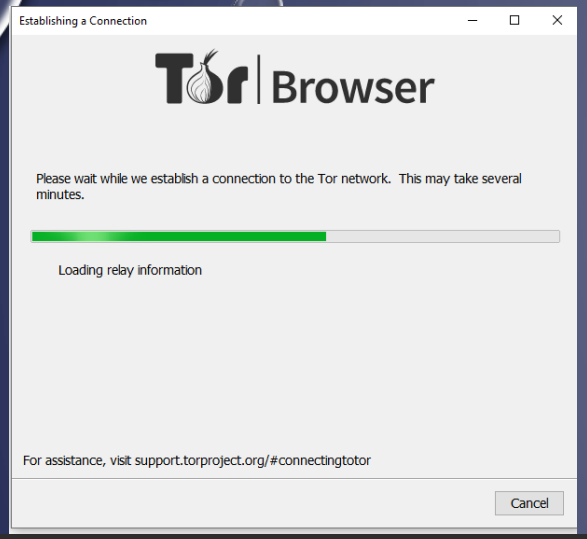
- **Spend it:**

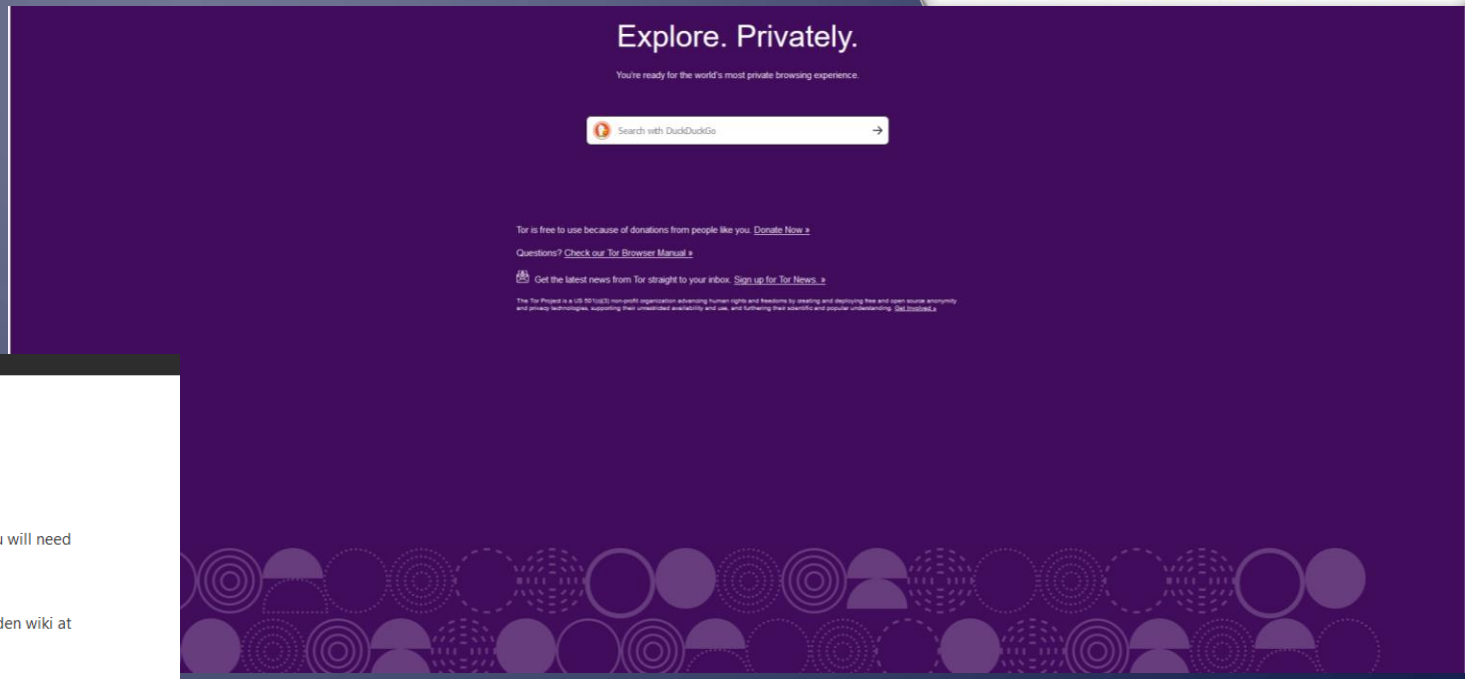
  In 2010, 10.000 bitcoins were used to buy 2 pizza's
  - Value determined
  - No bank needed
  - No 3rd party needed

- **Darkweb market places**

EMPACT
Fighting crime together

Why do people use it?





Links to Dark Web Markets

Welcome to our site. Below, you will find a list of links to dark web markets for your research. Before navigating markets on the dark web, you will need to install the TOR browser. We describe the process below, at the bottom of the page.

For an up to date list of markets you can always check **http://tormarketsfxi2my.onion/** and there are many more dark web links on the hidden wiki at **http://hiddenwiki7wiyzr.onion/**

Appollon

http://apolloncbh3sgd23.onion

Avaris

http://xnwoz5jjwzsubdzs455ab2svrzupdk3wwrjy77gkhc66nyxaiyhwtkid.onion

BitBazaar

http://ign6nnulov7lctpon2kjnroosncu5i7sqaybwhd6ase3rs5es2h3fkid.onion

Cannahome

http://cannahome5zoy2sc.onion

Cannazon

How does it work?

Indicators:

- Mobile Apps
- Browser history
- Hardware wallets
- ToR Browser

How does it work?

Hardware wallets:

- Keep Key
- Ledger
- Nano
- Trezor

How does it work?

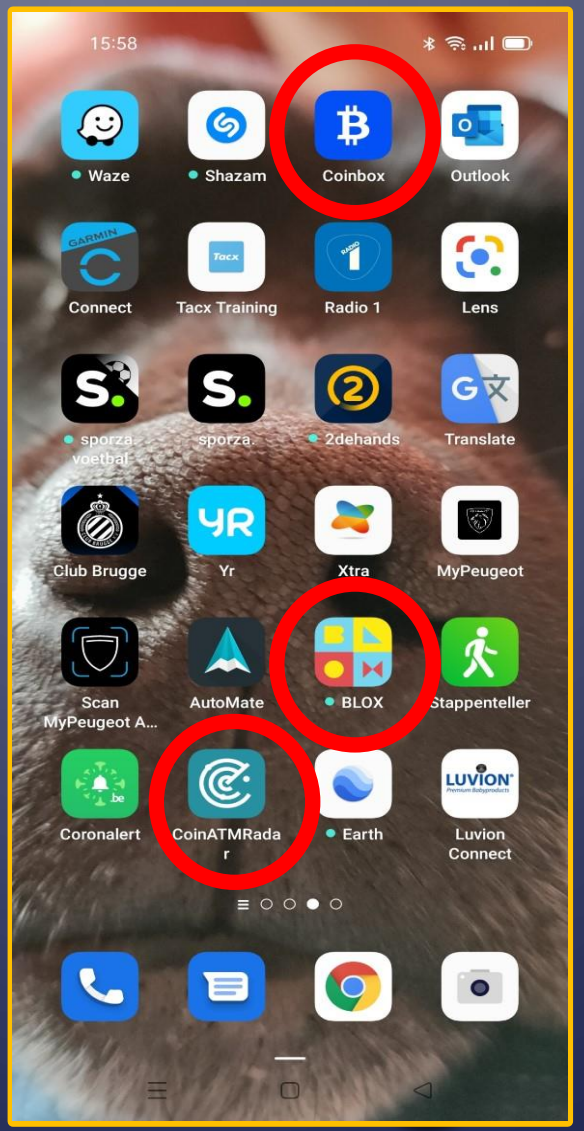
Hardware wallets:

How does it work?

Mobile wallets

How does it work?

Mobile wallets



How does it work?

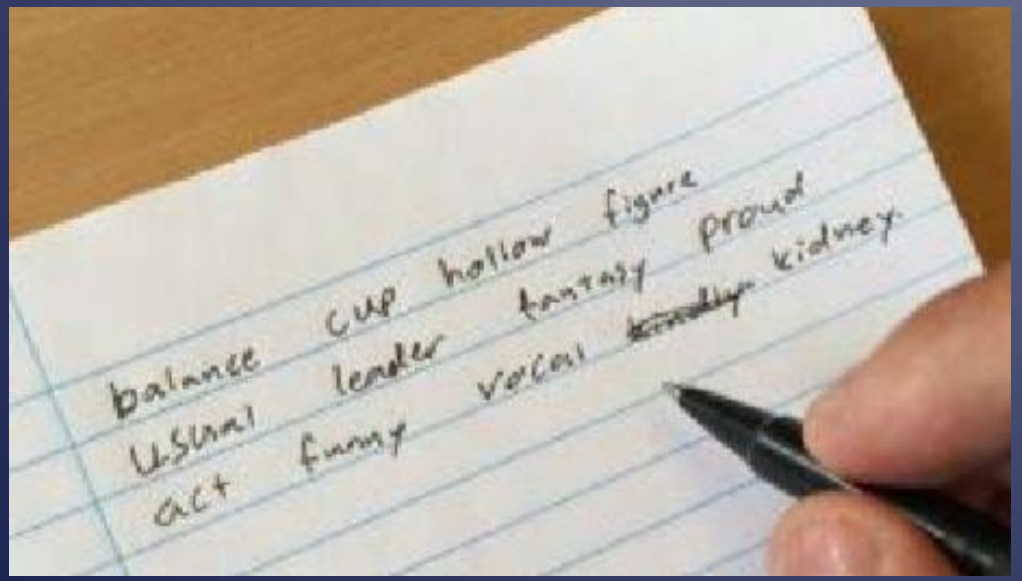
Paper wallets

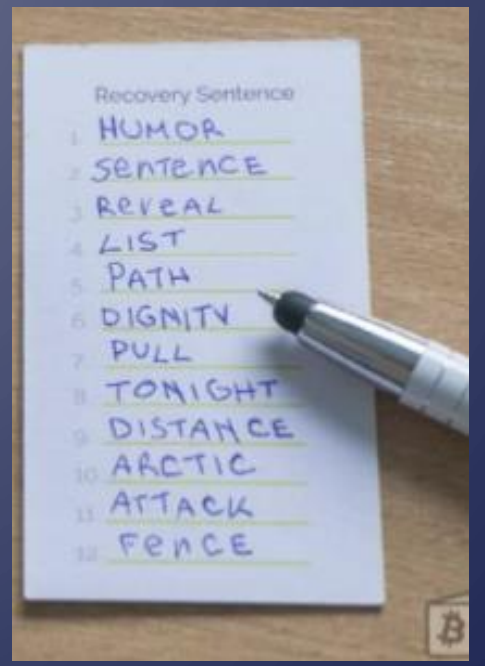
- QR codes
- Private key or
- Public key

How does it work?

Recovery seeds

- 12, 18 or 24 random words





How does it work?

Recovery seeds

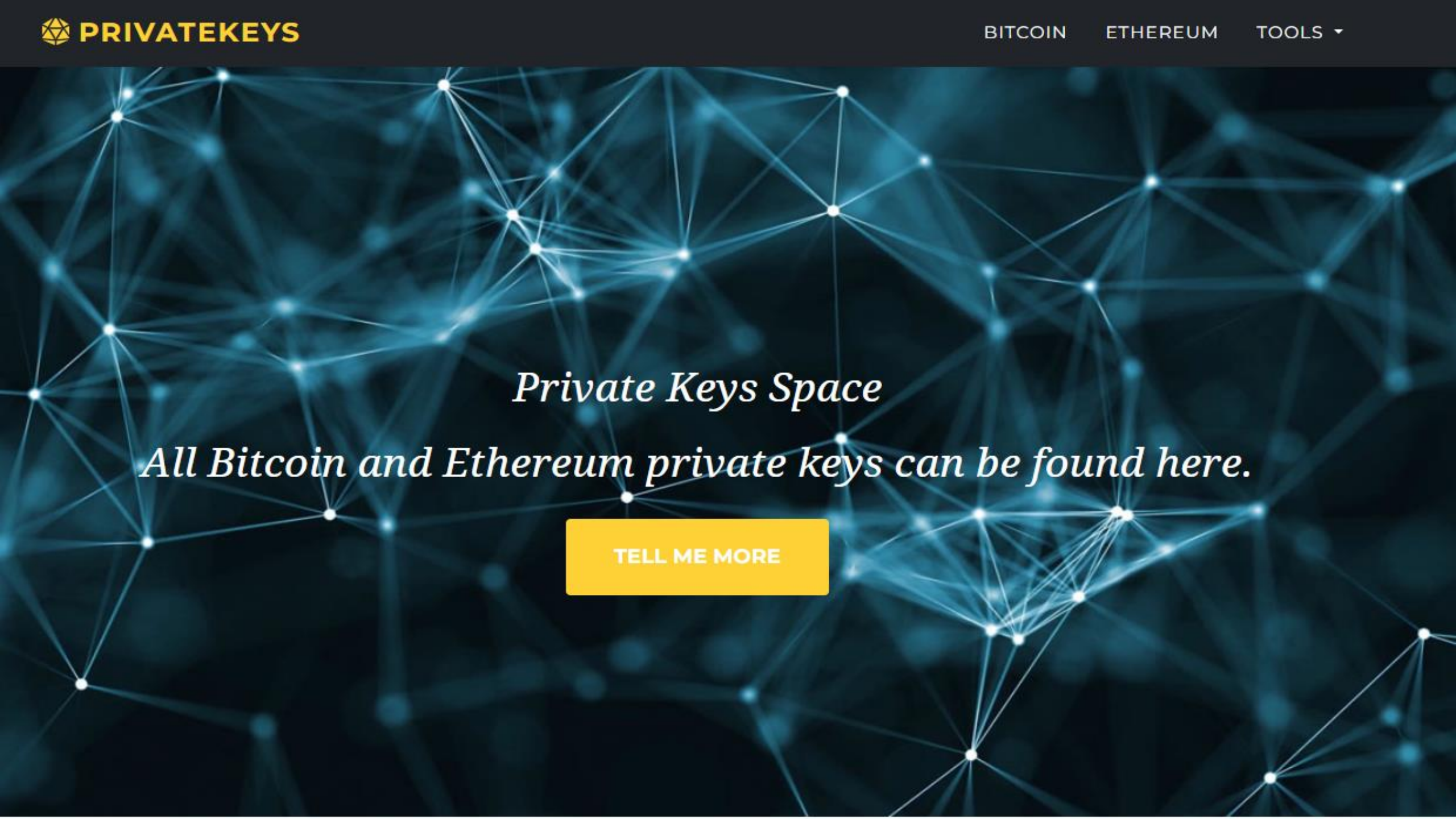
2009 ⇨ 2013

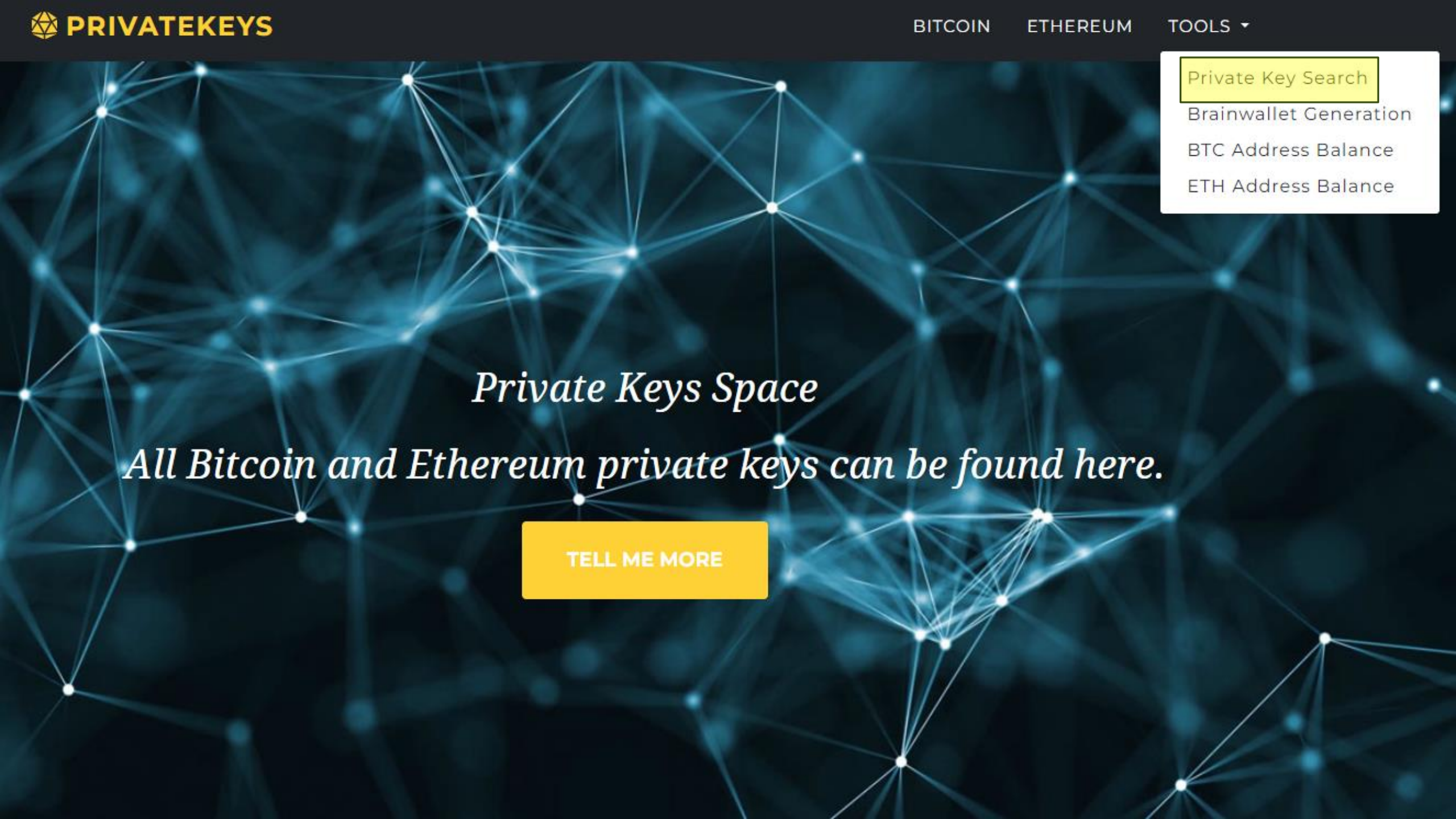
BIP39

(Bitcoin Improvement Proposal 39)

Seed Word Implementation

The wallet.dat file contains your private keys, public keys, scripts (which correspond to addresses), key metadata (e.g. labels), and the transactions related to your wallet. If you have an HD wallet, it also includes the HD seed and the derivation paths for each private key.


PRIVATEKEYS
BITCOIN
ETHEREUM
TOOLS
Private Keys Space
All Bitcoin and Ethereum private keys can be found here.
TELL ME MORE


PRIVATEKEYS
BITCOIN
ETHEREUM
TOOLS
Private Key Search
Brainwallet Generation
BTC Address Balance
ETH Address Balance
Private Keys Space
All Bitcoin and Ethereum private keys can be found here.
TELL ME MORE

Private key search

You can enter a Bitcoin or Ethereum private key below, if you are wondering where a wallet is located in the key space. Be aware that typing your private key on random websites is risky! This is a great tool for finding where already exposed keys are placed within the private key space.

We only support searching by private key and not by addresses or public keys, thus recovering a lost wallet is impossible. Private key formats are either WIF for Bitcoin, or 64-character hex for Ethereum.

Select Private key Search

How does it work?

People horrified by story of man who lost password to $220m worth of bitcoin: 'Panic inducing to read'

INDEPENDENT

Hundreds of people are commiserating with a man who has lost his password for accessing his 7,002 bitcoin, worth about $220m, and has just two attempts left before he is locked out forever.

Speaking to *The New York Times*, Stefan Thomas, a German programmer living in California, revealed that he was gifted the bitcoin, which has fluctuated in value over the years before recently surging, as a reward for making an animated video about bitcoin in 2011.

According to Thomas, he lost the password to his IronKey, an encrypted hard drive that holds the keys to his digital wallet, the same year.

Since then, Thomas told the outlet he has tried eight variations of his commonly used passwords in an attempt to gain access to his IronKey.

Unfortunately, his chances are running out, as IronKey only allows users 10 attempts before it "seizes up and encrypts its contents forever," *The Times* notes.

Bitcoin is also unable to help, as it does not store passwords, but rather grants individuals who buy bitcoin a private key to their digital wallet - which only they have access to.

LET'S BREAK OUT!

Take a closer look at the crime scene photos!

All groups: What item(s) would be of interest to your investigation? Why are they interesting?

How does it work?

Receipts

- ATM receipts:
  - How much deposited
  - The type of crypto
  - Destination

SatoshiPoint
BUY CRYPTO RECEIPT

TX ID: REUIT3
Time: 14.02.2018 12:18:41
Price: 5.00 GBP
Crypto: 0.030791 LTC
Rate: 1 LTC = 162.385113 GBP
Destination: LhPnysEwBK8LxaZEhia YFs5pzD4E9XTLWb

Keep this receipt!

Location: Post Office Moorgate , satoshipoint.com, 020 3026 6037

EMPACT
Fighting crime together

Cryptocurrency and illicit finances

Typology 1

Prepaid cards:

- Exchange crypto for fiat currency
- Load fiat currency onto card
- Spend fiat currency using card, or withdraw cash at ATM

EMPACT
Fighting crime together

Cryptocurrency and illicit finances

Typology 2

CATMs (Cryptocurrency ATMs):

- Mostly cash only

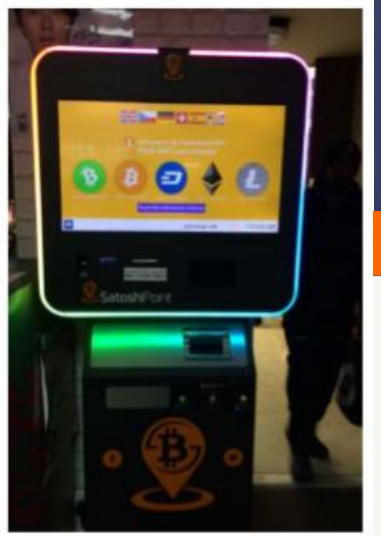
- Independent Supermarkets
- Takeaways
- Gas stations

- AML controls?

EMPACT
Fighting crime together

Cryptocurrency and illicit finances

Typology 2



CATMs (Cryptocurrency ATMs):

//coinatmradar.com

shitcoins .club
Koop en verkoop cryptocurrencies met een van onze geldautomaten
De laagste prijzen
Veiligheid
Anonimiteit

Coin ATM Radar

Producers Countries More Support us Blog Log in

Share: Subscribe:

Bitcoin ATM Near Me Search.

Select operation:

Buy Sell

Select cryptocurrency:

Bitcoin (BTC) Lightning BTC (LBTC) Bitcoin Cash (BCH) Ether (ETH) Dash (DASH)

Litecoin (LTC) Zcash (ZEC) Monero (XMR) Dogecoin (DOGE) Tether (USDT) Ripple (XRP)

Address or location:

Search by address...

Use my current location

shitcoins .club
Koop en verkoop cryptocurrencies met een van onze geldautomaten
De laagste prijzen
Veiligheid
Anonimiteit

Results:

Try search above.

***

Alternatively, you can find cryptocurrency ATM near you using one of our mobile apps:

GET IT ON Google Play Available on the App Store

Cryptocurrency and illicit finances

Typology 2

CATMs (Cryptocurrency ATMs):

//coinatmradar.com

KENYA SCHOOL OF MONETARY STUDIES (KSMS)

A School of the Central Bank of Kenya

Bitcoin ATM Near Me Search.

Select operation:

◉ Buy ○ Sell

Select cryptocurrency:

◉ Bitcoin (BTC) ○ Lightning BTC (LBTC) ○ Bitcoin Cash (BCH) ○ Ether (ETH) ○ Dash (DASH)

○ Litecoin (LTC) ○ Zcash (ZEC) ○ Monero (XMR) ○ Dogecoin (DOGE) ○ Tether (USDT) ○ Ripple (XRP)

Address or location:

Mathare North Road, Off Thika, kenia ×

Use my current location

Cryptocurrency and illicit finances

CATMs (Cryptocurrency ATMs)

//coinatmradar.com

Cryptocurrency and illicit finances

Location

City: Hong Kong

Location: HK Bitcoin ATM Central

Address:
6 Wing Kut St Shop 50 (1st floor)
Hong Kong中環 6 永吉街
誠利商場
50 商店, 1樓

Open hours:
Mon-Sun: 8:00 am – 8:30 pm

Bitcoin machine details

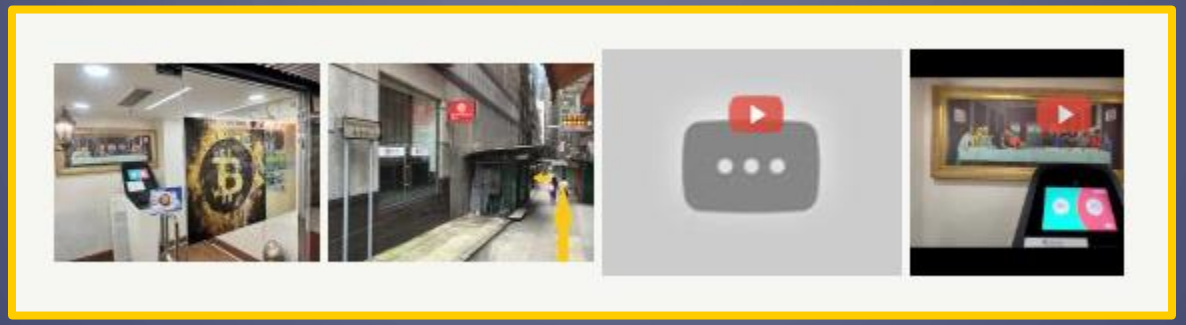
ATM Type: Lamassu

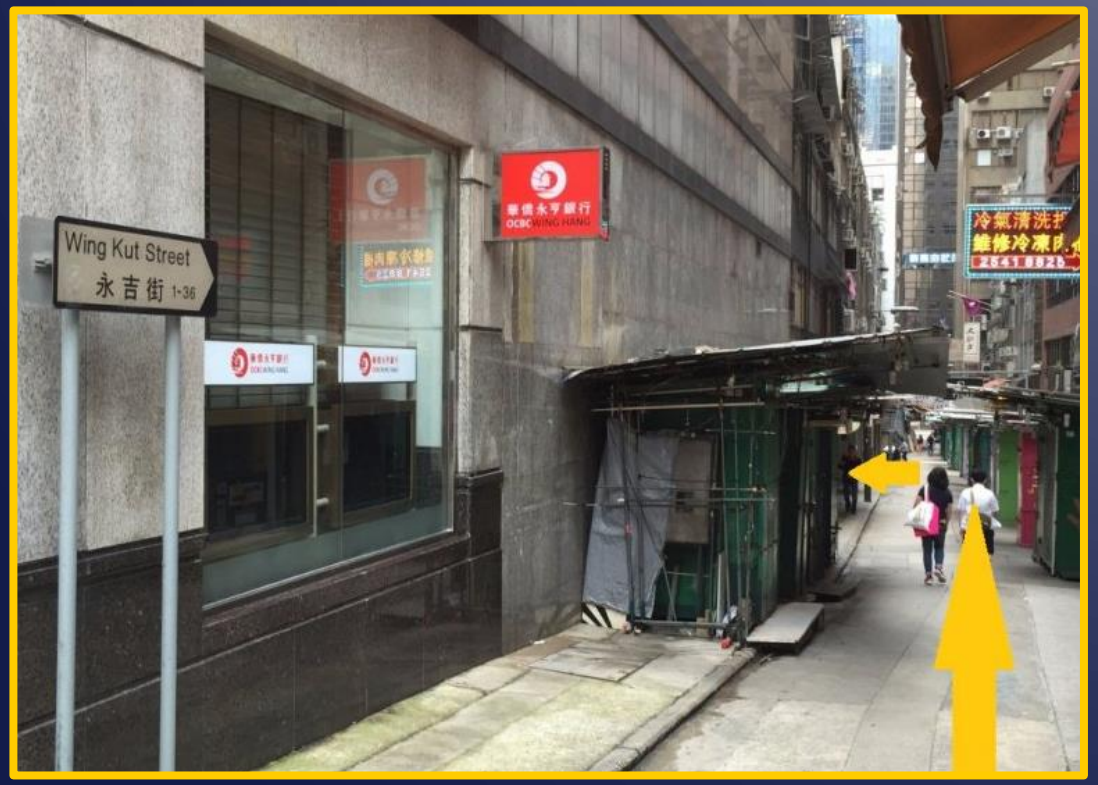
Supported coins and fees:

Prices are updated 6 hours 48 minutes ago. refresh

	Buy	Sell
Bitcoin	✔ Fees: reporting disabled	✔ Fees: reporting disabled
Bitcoin Cash	✔ Fees: reporting disabled	✔ Fees: reporting disabled
Ether	✔ Fees: reporting disabled	✔ Fees: reporting disabled
Litecoin	✔ Fees: reporting disabled	✔ Fees: reporting disabled
Zcash	✔ Fees: reporting disabled	✔ Fees: reporting disabled
Supported fiat:	HKD	HKD

Cryptocurrency and illicit finances





Cryptocurrency and illicit finances

CATMs (Cryptocurrency ATMs)

//coinatmradar.com

General Bytes bitcoin ATM at Kenrail Towers in Nairobi Ring Rd Parklands

General Bytes bitcoin ATM at Kenrail Towers in Nairobi Ring Rd Parklands

Cryptocu inances

Typolog

CATMs (C

//coinatmradar.com

EMPACT
Fighting crime together

Cryptocurrency and illicit finances

Results:

	Friet Lounge	0.8 km	Ghent	Fees: Buy: N/A	Limits: Buy: EUR 2500/txn, Sell: EUR 2500/txn, Daily: EUR 2500	Score: +1	Details
	De Salon	2.6 km	Ghent	Fees: Buy: N/A, Sell: N/A	Limits: Buy: EUR 3000/txn, Daily: EUR 15000	Score: +2	Details
	Smartphone Fixen	19 km					
	Dranken shitcoins	24 km					
	ZeelandICT	35 km					
	De Boeren	40 km					
	Royal Shop shitcoins	41 km					
	Smartphone Fixen	41 km					

ar.com

Report a problem

Operator details

Operator's name: Shitcoins Club

+48 797 090 008

shitcoins@shitcoins.club

On the map: All Shitcoins Club bitcoin ATM locations

Are you operator? Check the list of services we provide.

Location

City: Oostkamp

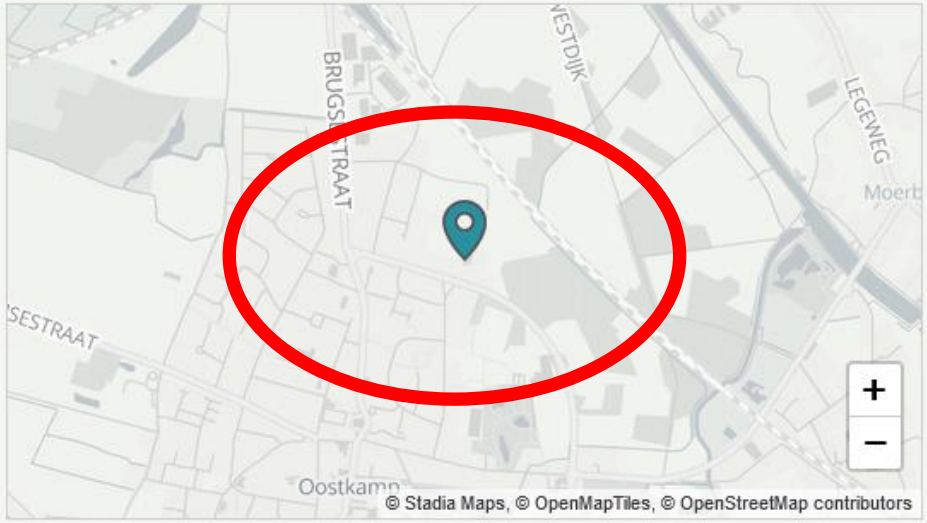
Location: Gulf Gas Station

Business phone:

Show number →

Address:
Legeweg 151
8020 Oostkamp
Belgium

Open hours:
Mon-Fri: 7:30 am – 2:00 pm
Sat-Sun: 7:30 am – 5:00 pm



Nearest | Best Buy | Best Sell

Closest bitcoin ATM locations:

	Royal Shop	5.4 km
	Hyundai Wulffaert	24 km
	Akel Supermarkt	34 km

Cryptocurrency and illicit finances

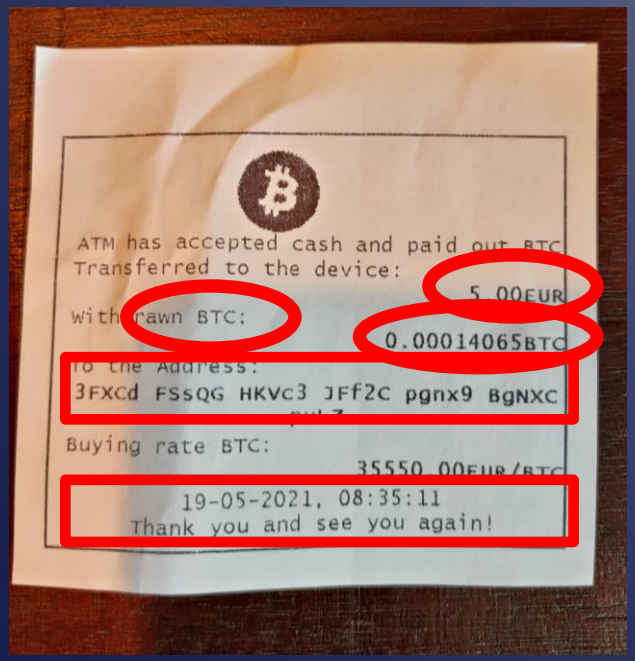
Typology 2

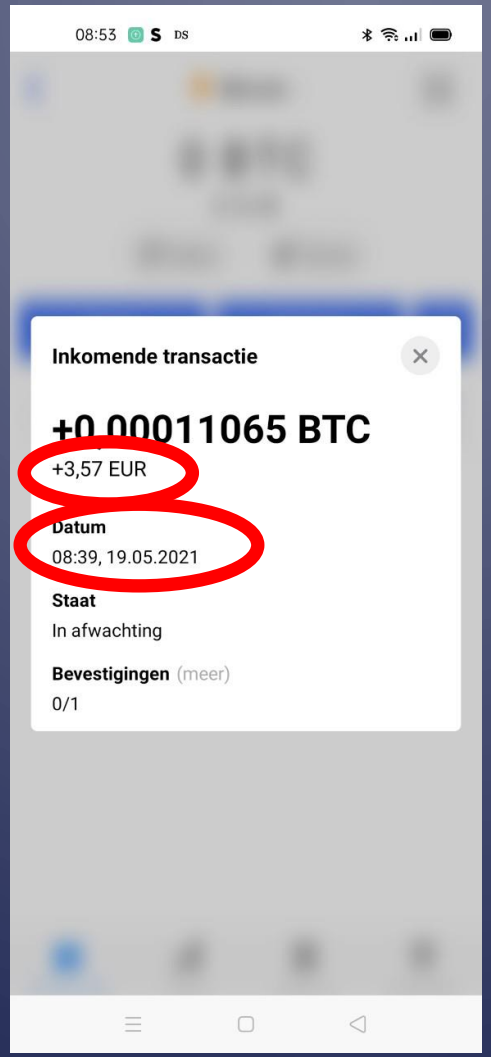
//coinatmradar.com

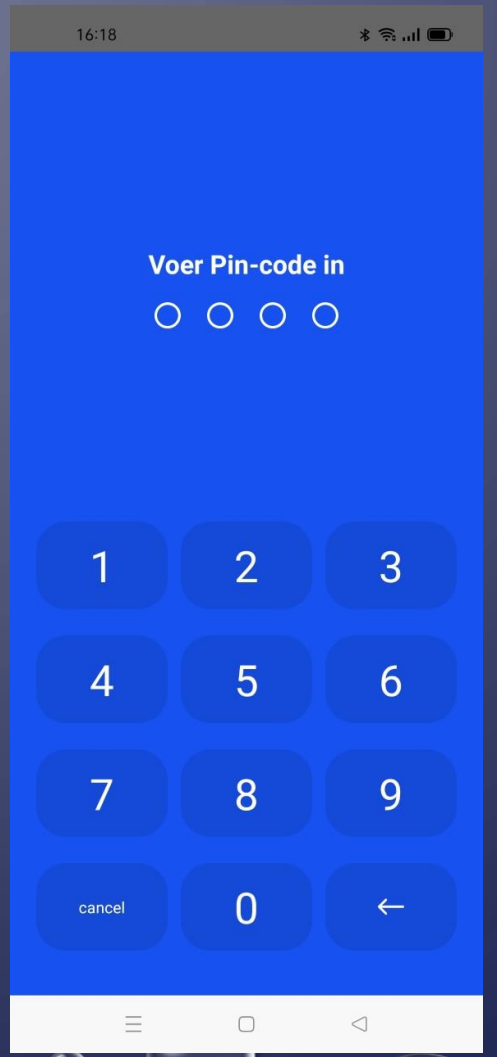
CATMs (Cryptocurrency ATMs)

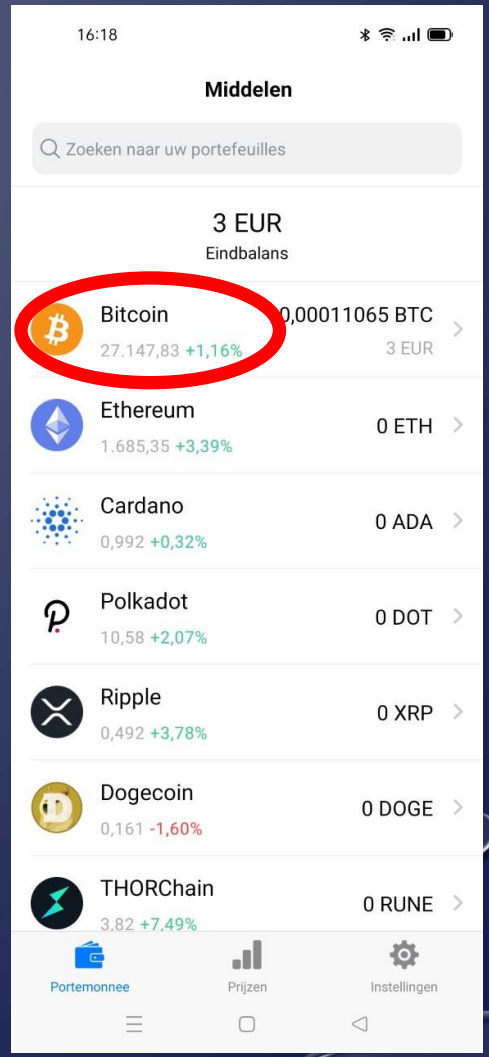
In the vicinity of an investigator's home.

Cryptocurrency and illicit finances

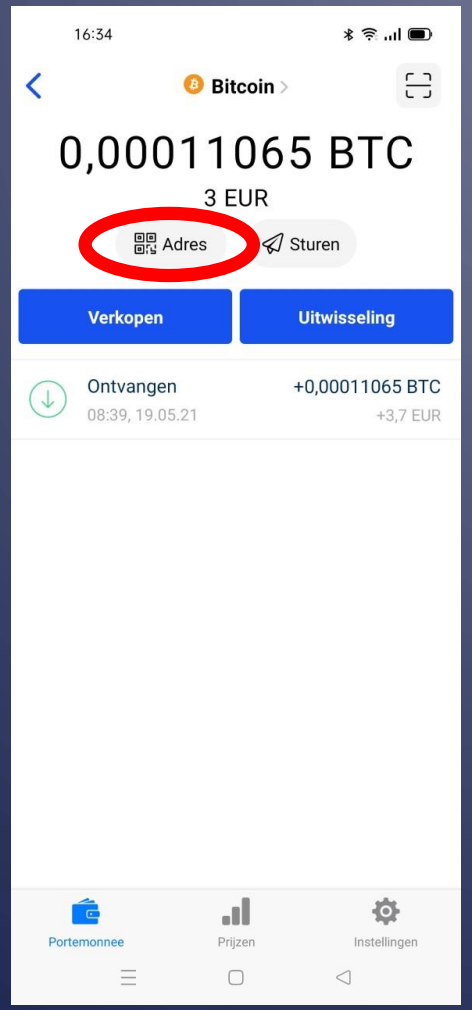


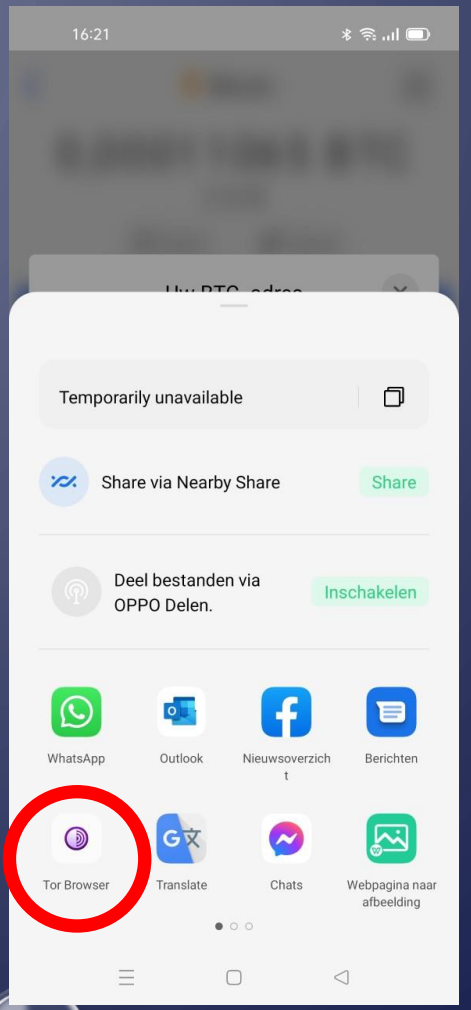






Cryptocurrency and illicit finances





EMPACT
Fighting crime together

CHAINBYTES BITCOIN ATM FAMILY

UNIVERSAL

High performing 2-way model

Price $6,700

CUSTOMIZE AND ORDER NOW

MODEL V

Small footprint 2-way model

Price $4,999

CUSTOMIZE AND ORDER NOW

GENMEGA ATMs

Software for GenMega models

Pricing on request

LEARN MORE AND ORDER

Winkelbeoordelingen

Gebaseerd op een beoordelingssysteem met 5 sterren

- 4,0 en hoger
- 4,5 en hoger
- 5,0

Producteigenschappen

- Betaald monsters

CATEGORIE

Betalingskiosken
Geldautomaat

Prijs

Min. - Max. OK

Min. bestelling

OK

Leverancier Land/Regio

Search

- China
- SAR Hongkong (China)

Verleden Export Land/Regio

Search

- Verenigde

Oem Odm Automatische Betaalautomaat Elektronische Contante Betaalterminal Kiosken Kaart Nfc Betaalautomaten

€ 2.446,22- 2.935,47

Min. bestelling: 1 set

Shenzhen Netoptouch Technology Co., Ltd.

Verified 15 yrs CN Leverancier 5.0/5.0 (14 ביקורות)

Contacteer Leverancier

Nu chatten

Toevoegen aan Vergelijken

Top sponsor listing

Grg H68N Geldautomaat Bank Hele Machine Cash Recycler Atm Recycling Machine

€ 978,49

Min. bestelling: 1 stuk

Zhuhai Yinzhi Mould Co., Ltd.

Verified 8 yrs CN Leverancier 4.8/5.0 (2 ביקורות)

Contacteer Leverancier

Nu chatten

Toevoegen aan Vergelijken

Ad

Crtly Crypto Atm Machine Geldautomaat Bankbiljet Acceptor Wisselautomaat Contante Betaling Kiosk Zelf Factuur Betaling Kiosk

€ 1.564,61- 1.858,15

Min. bestelling: 1 stuk

19 verkocht

Shenzhen Chuangli Technology Co., Ltd.

Nu chatten

Toevoegen aan Vergelijken

RFQ

Messenger

Cryptocurrency and illicit finances

Typology 3

Peer to peer exchange

- Worldwide Brokers – contact via websites
- Buy or Sell

- Range of payment methods:
  - Bank transfer
  - Amazon gift cards
  - Cash
  - …

EMPACT
Fighting crime together

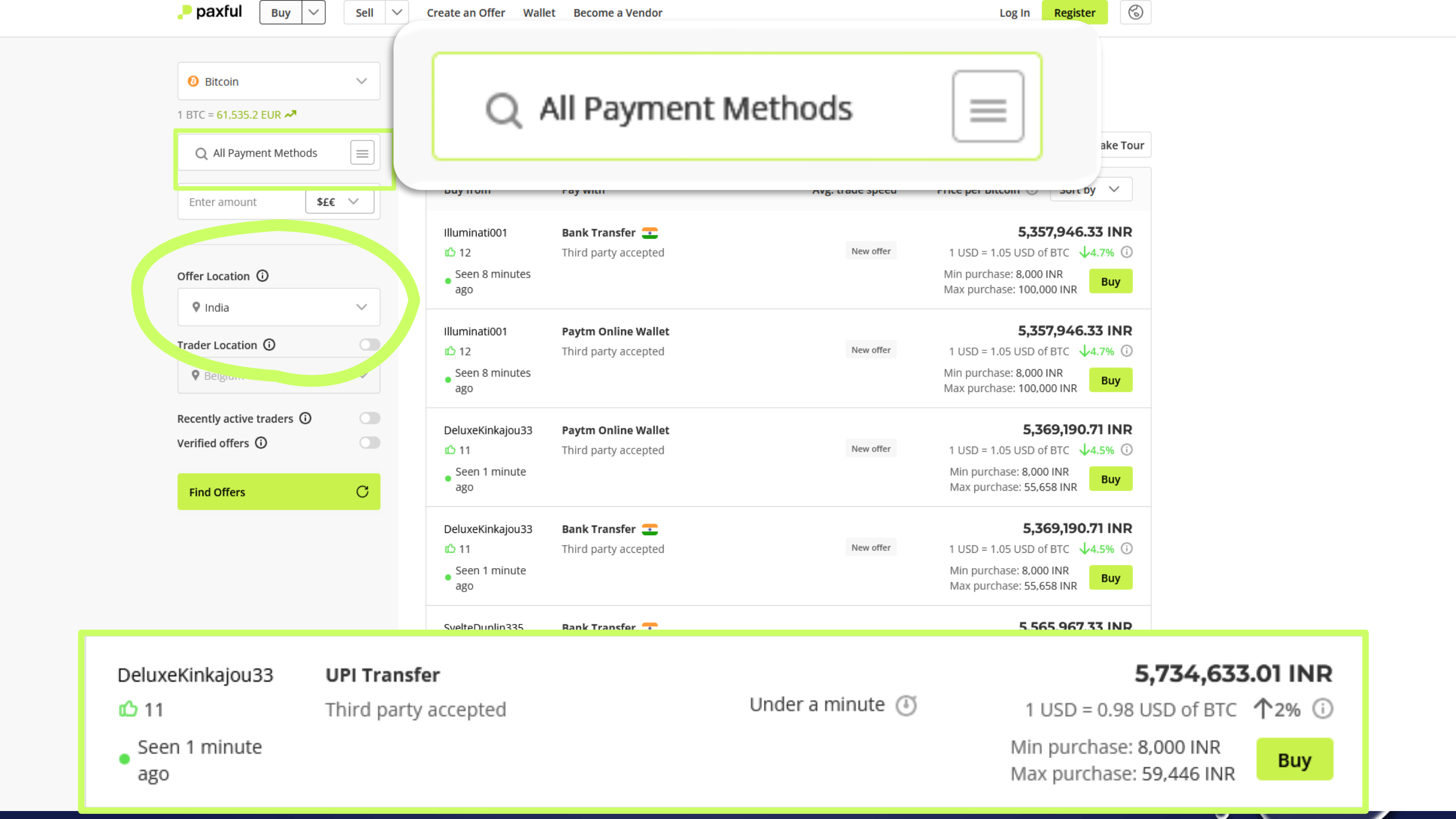
paxful Marketplace Wallet Company Learn Sign in Sign up

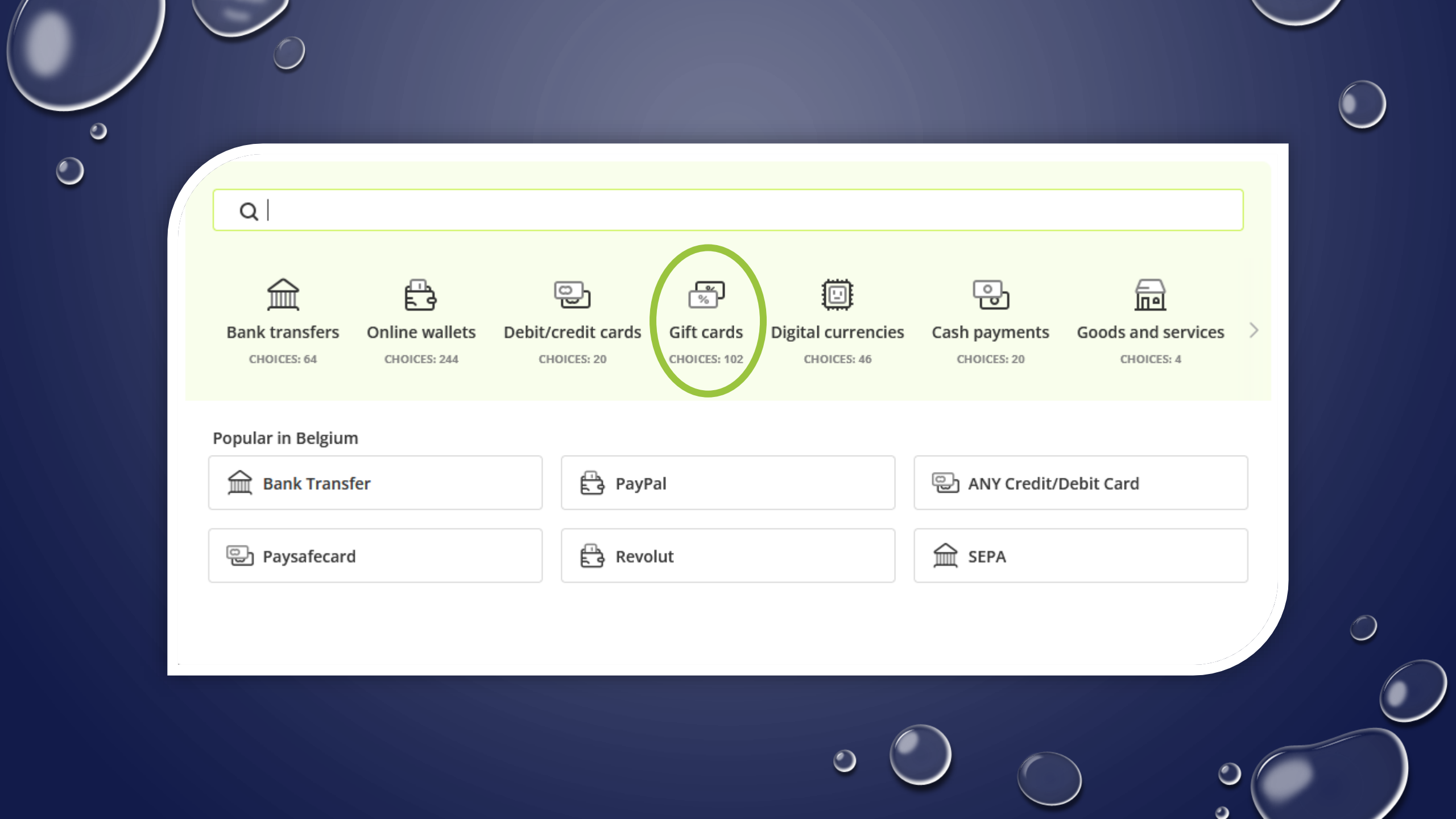
The new era of P2P is here. Click here to meet Paxful's new app & brand.

https://paxful.com

The people-powered way to move money ↗

The largest P2P marketplace to buy, sell, send, and receive crypto and local currencies.


paxful
Buy
Sell
Create an Offer
Wallet
Become a Vendor
Log In
Register
Bitcoin
1 BTC = 61,535.2 EUR
All Payment Methods
Enter amount
$£€
Offer Location
India
Trader Location
Recently active traders
Verified offers
Find Offers
All Payment Methods
Illuminati001
12
Seen 8 minutes ago
Bank Transfer
Third party accepted
New offer
5,357,946.33 INR
1 USD = 1.05 USD of BTC
4.7%
Min purchase: 8,000 INR
Max purchase: 100,000 INR
Buy
Illuminati001
12
Seen 8 minutes ago
Paytm Online Wallet
Third party accepted
New offer
5,357,946.33 INR
1 USD = 1.05 USD of BTC
4.7%
Min purchase: 8,000 INR
Max purchase: 100,000 INR
Buy
DeluxeKinkajou33
11
Seen 1 minute ago
Paytm Online Wallet
Third party accepted
New offer
5,369,190.71 INR
1 USD = 1.05 USD of BTC
4.5%
Min purchase: 8,000 INR
Max purchase: 55,658 INR
Buy
DeluxeKinkajou33
11
Seen 1 minute ago
Bank Transfer
Third party accepted
New offer
5,369,190.71 INR
1 USD = 1.05 USD of BTC
4.5%
Min purchase: 8,000 INR
Max purchase: 55,658 INR
Buy
DeluxeKinkajou33
11
Seen 1 minute ago
UPI Transfer
Third party accepted
Under a minute
5,734,633.01 INR
1 USD = 0.98 USD of BTC
2%
Min purchase: 8,000 INR
Max purchase: 59,446 INR
Buy


Bank transfers
CHOICES: 64
Online wallets
CHOICES: 244
Debit/credit cards
CHOICES: 20
Gift cards
CHOICES: 102
Digital currencies
CHOICES: 46
Cash payments
CHOICES: 20
Goods and services
CHOICES: 4
Popular in Belgium
Bank Transfer
PayPal
ANY Credit/Debit Card
Paysafecard
Revolut
SEPA

Search

Bank transfers
CHOICES: 64

Online wallets
CHOICES: 244

Debit/credit cards
CHOICES: 20

Gift cards
CHOICES: 102

Digital currencies
CHOICES: 46

Cash payments
CHOICES: 20

Goods and services
CHOICES: 4

Have a gift card you don't need? Trade it here for Bitcoin instantly.

View offers for gift cards

Popular Gift cards

- Steam Wallet Gift Card
- Apple Gift Card (US only)
- iTunes Gift Card
- Apple Store Gift Card
- Razer Gold Gift Card
- Amazon Gift Card

Gift cards (Choices: 102)

- Adidas Gift Card
- Age of Legends Gift Card
- AirBnb Gift Card
- Amazon Gift Card
- American Apparel Gift Card
- American Express Gift Card
- Americanas Gift Card
- Apple Gift Card (US only)
- Apple Store Gift Card
- Arena Breakout Gift Card
- Bed Bath & Beyond Gift Card
- Best Buy Gift Card
- Bigo Live Gift Card
- Bitrefill Balance Cards
- Blizzard Gift Card

Buy Bitcoin (BTC) with Amazon Gift Card

Paxful makes it easy and secure for you to buy and hold Bitcoin. Find the best offer below and buy Bitcoin with Amazon Gift Card today.

Bitcoin

1 BTC = 61,535.2 EUR

Amazon Gift Card

Enter amount $€€

Offer Location

India

Trader Location

Belgium

Offer Tags

- cash only
- cash receipt only
- e-gift cards
- no receipt needed
- physical cards
- receipt required

Recently active traders

Verified offers

Find Offers

Take Tour

Buy f...	Pay with	Avg. trade speed	Price per Bitcoin	Sort by
HumbleSplitfin787 3000 Seen 22 minutes ago	**Amazon Gift Card** VERIFIED THIRD PARTY ACCEPTED no receipt needed · e-gift cards	Under a minute	**10,696,976.59 INR** 1 USD = 0.53 USD of BTC ↑89.99% Min purchase: 253 INR Max purchase: 100,000 INR	Buy
Karankushwaha 633 Online	**Amazon Gift Card** fast trader e-gift cards	1 min	**11,129,945.43 INR** 1 USD = 0.51 USD of BTC ↑97.68% Min purchase: 253 INR Max purchase: 10,000 INR	Buy
iamtab1605 52 Online	**Amazon Gift Card** Best rate on Paxful no receipt needed · e-gift cards	Under a minute	**8,332,820.34 INR** 1 USD = 0.68 USD of BTC ↑48% Min purchase: 300 INR Max purchase: 3,316 INR	Buy
Betterdeal247 8 Seen 2 hours ago	**Amazon Gift Card** Fast and secure e-gift cards	New offer	**10,416,025.42 INR** 1 USD = 0.54 USD of BTC ↑85% Min purchase: 253 INR Max purchase: 625 INR	Buy
Paradox24X7 86 Seen 8 minutes ago	**Amazon Gift Card** Fast and secured	New offer	**10,528,631.1 INR** 1 USD = 0.54 USD of BTC ↑87% Min purchase: 1,000 INR Max purchase: 7,045 INR	Buy
Exchangepoint147 76 Seen 13 hours ago	**Amazon Gift Card** Gift card accepted no receipt needed · receipt required · e-gift cards	New offer	**11,260,568.02 INR** 1 USD = 0.5 USD of BTC ↑100% Min purchase: 253 INR Max purchase: 10,000 INR	Buy

HumbleSplitfin787

Seen 23 minutes ago

+3000
Positive feedback

-4
Negative feedback

Verifications

- Phone verified
- Email verified
- ID verified
- Address verified

Power Trader

Info

Location: Philippines

Languages: English (English)

4,640 Trade partners

9,285 Trades

Trade volume: **between 10 and 50 BTC**

Trade volume: **0 ETH**

Trade volume: **Less than 10K USDT**

Trade volume: **0 USDC**

Trusted by **259 people**

Blocked by **30 people**

Active Offers

Buy Crypto 6 | Sell Crypto 0 | All cryptocurrencies

Pay With	Avg. Trade Speed	Rate	
Paysafecard FAST RELEASE	New	**80,505.68 USD** 1 USD = 0.83 USD of BTC ↑20%	Min sale: 10 USD Max sale: 150 USD Buy
		114,043.01 USD 1 USD = 0.59 USD of BTC ↑69.99%	Min sale: 10 USD Max sale: 50 USD Buy
Amazon Gift Card THIRD PARTY ACCEPTED no receipt needed · e-gift cards	Under a minute	**10,713,600.8 INR** 1 USD = 0.53 USD of BTC ↑89.99%	Min sale: 253 INR Max sale: 100,000 INR Buy
Paysafecard FAST RELEASE no receipt needed · e-codes accepted · no verification needed	New	**1.2 USD** 1 USD = 0.84 USD of BTC ↑20%	Min sale: 10 USD Max sale: 103 USD Buy

Show more offers

Location: Philippines

Cryptocurrency and illicit finances

Typology 4:

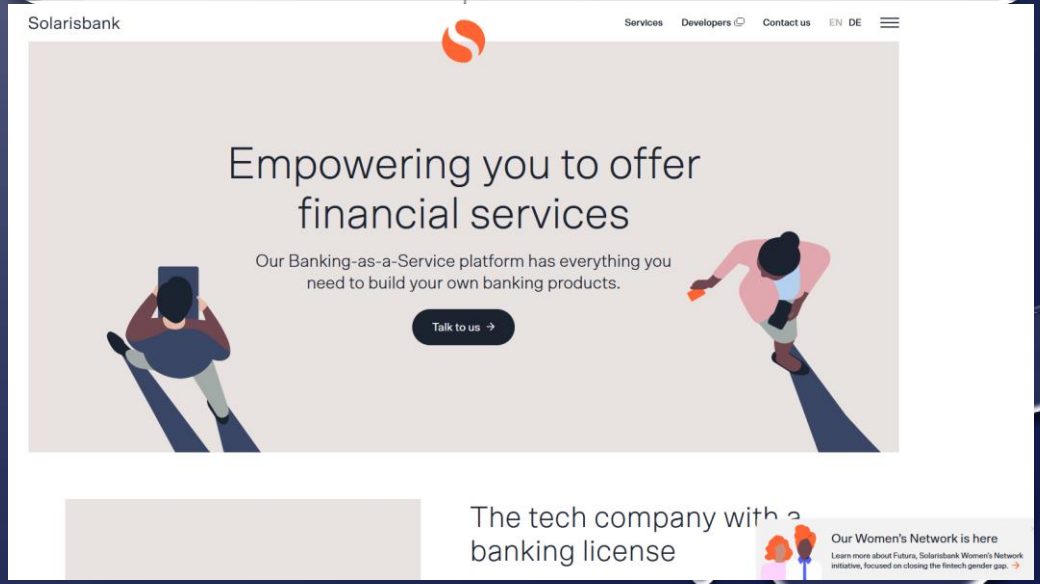
Cryptocards:

Cryptocurrency and illicit finances

Typology 4:

Cryptocards:

A – URL	**https://www.bitwala.com** **https://app.bitwala.com**
B – Location	German company located in : Bitwala GmbH Ohlauer Straße 43 10999 Berlin Germany Company registration number : HRB173698B, Amtsgericht Charlottenburg Germany Support Center Phone : +49 30 2398 0075 support@bitwala.com
c-1 – Verification of the company's credibility	BITWALA issues a non-anonymous cryptocard. It displays the currency EUR. It is delivered by standard mail. The 3D SECURE system is delivered with the card.
c-2 – Search on the card issuer	The BITWALA Mastercard has the BIN 537458 and comes from SOLARIS Bank AG in Belgium. The card is prepaid.
c-3 – Creating an account to access the order	Create an account with an email address and a password.
c-4 – Data required to identify oneself (KYC)	Bitwala only offers BITCOIN crypto-currency. The account management is done through the website or application. KYC is very rigorous. A video interview of nearly 15 minutes is conducted for the KYC verification. Security features of identity documents are verified online and questions about civil status are asked.



Cryptocurrency and illicit finances

Typology 4:

Cryptocards:

A – URL	**https://advcash.gi** **https://wallet.advcash.com**
B – Location	Russian company located in : ADV PROJECT LTD Suite 16, Block 5, Watergardens, GX11 1AA Gibraltar
c-1 – Verification of the company's credibility	ADVCash delivers a non-anonymous cryptocard. It displays the currency EUR. The 3D SECURE function is not specified and has not been tested. It is delivered by DHL.
c-2 – Search on the card issuer	ADVCash's VISA card has the BIN 434933. The banking service provider is Laurentian Bank in CANADA. This is a prepaid card.

24/7 customer support
support@advcash.com

Kazakhstan
+7 727 350 54 95

Business and partnerships
business@advcash.com

Russia
+7 800 777 47 25

c-3 – Creating an account to access the order	Create an account with an email address and password
c-4 – Data required to identify oneself (KYC)	8 cryptocurrencies are available, including Bitcoin, Ethereum, Litecoin. The account management is done through the website or application. The latter, it is not in the Playstore but on the website appsgeyser.io by allowing data from an unknown source to be downloaded.

Advanced Cash Limited is a licensed payment service provider authorized by the Belize Financial Services Commission (FSC), licenses MT 000107/97, PPS 000107/98.

EMPACT
Fighting crime together

We are now Volet.com!

This a new chapter, with new possibilities and exciting new features and products coming up. Our story is all about you, thank you for being part of it!

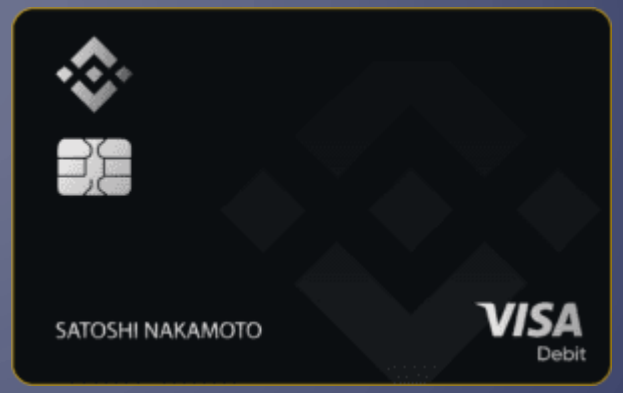
Log in on Volet.com with your Advcash login and password. Everything you had in Advcash will be there, no need to do anything.

Go to Volet.com

Cryptocurrency and illicit finances

Typology 4:

Binance (debit) Card



What can you do with a Binance Card?

The Binance Card is a Visa Card that you can use for payments worldwide, both online and at physical locations. This is a debit card, which means that you can only spend to the extent that your balance is sufficient. The card is released through the world's largest crypto trading platform: Binance. They have their own cryptocurrency, namely the Binance Coin (abbreviation: BNB).

BINANCE

Cashback:

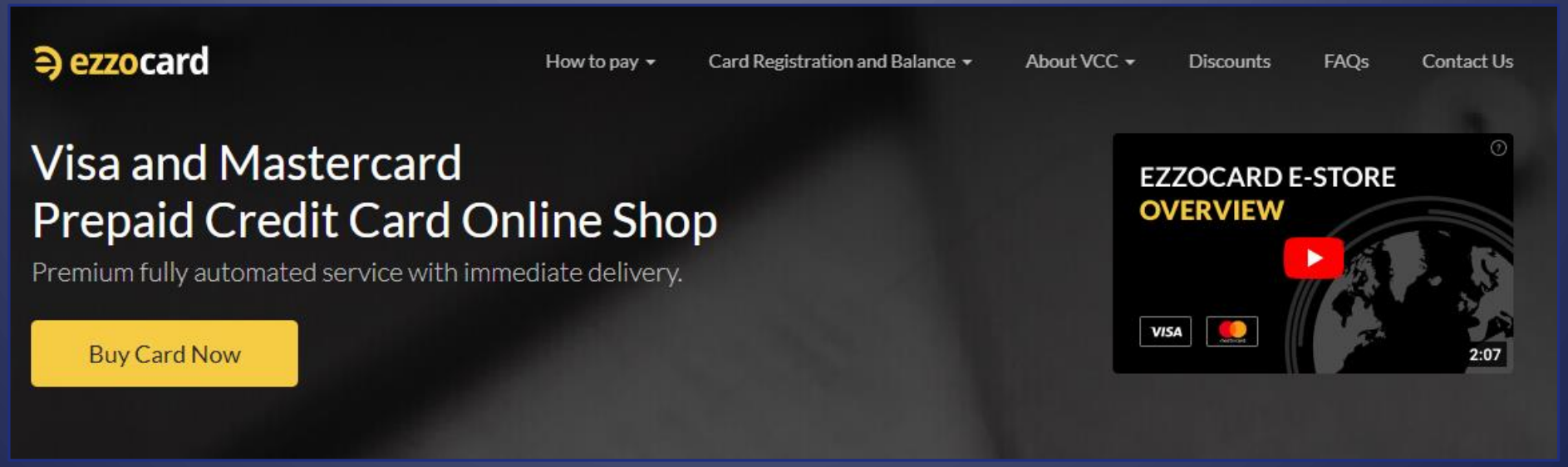
The main advantage of the Binance Card is the cashback you get when you make payments with the card. The cashback depends on the amount of BNB (Binance's cryptocoin) you have in your account.

Do you already have Bitcoin (BTC), Ethereum (ETH) or another crypto at Binance? Then it is also possible to pay directly from your pay-wallet. You do pay a small surcharge.

Cryptocurrency and illicit finances

Typology 5: Virtual credit cards - Prepaid Visa and Mastercard (ezzocard.com)

Cryptocards:



All virtual prepaid cards support AVS (Address Verification Service) and can be registered under any name and address in USA or Canada. No verification is needed during Ezzocard card registration, neither ID nor any other documents are required. Card registration is made on our website. You can always check your current card balance or get your card statement anytime.

Payment Methods: BTC LTC DOGE BCH USDT (ETH) USDT (Tron) Perfect Money

LET'S BREAK OUT!

EMPACT
Fighting crime together

How would you launder your dirty money, using crypto's?

Group 1 & 2: You've got 1.500.000.000,00 KES in cash, the profits of you selling narcotics.

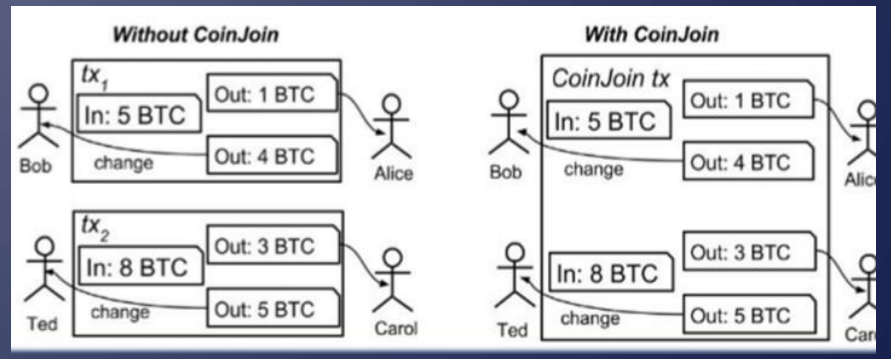
Group 3 & 4: You've got 1.500,000.000,00 KES dirty money in a Swiss bank account, the results of tax crimes.

Benefits to criminals

- Pseudo-anonymous nature of crypto

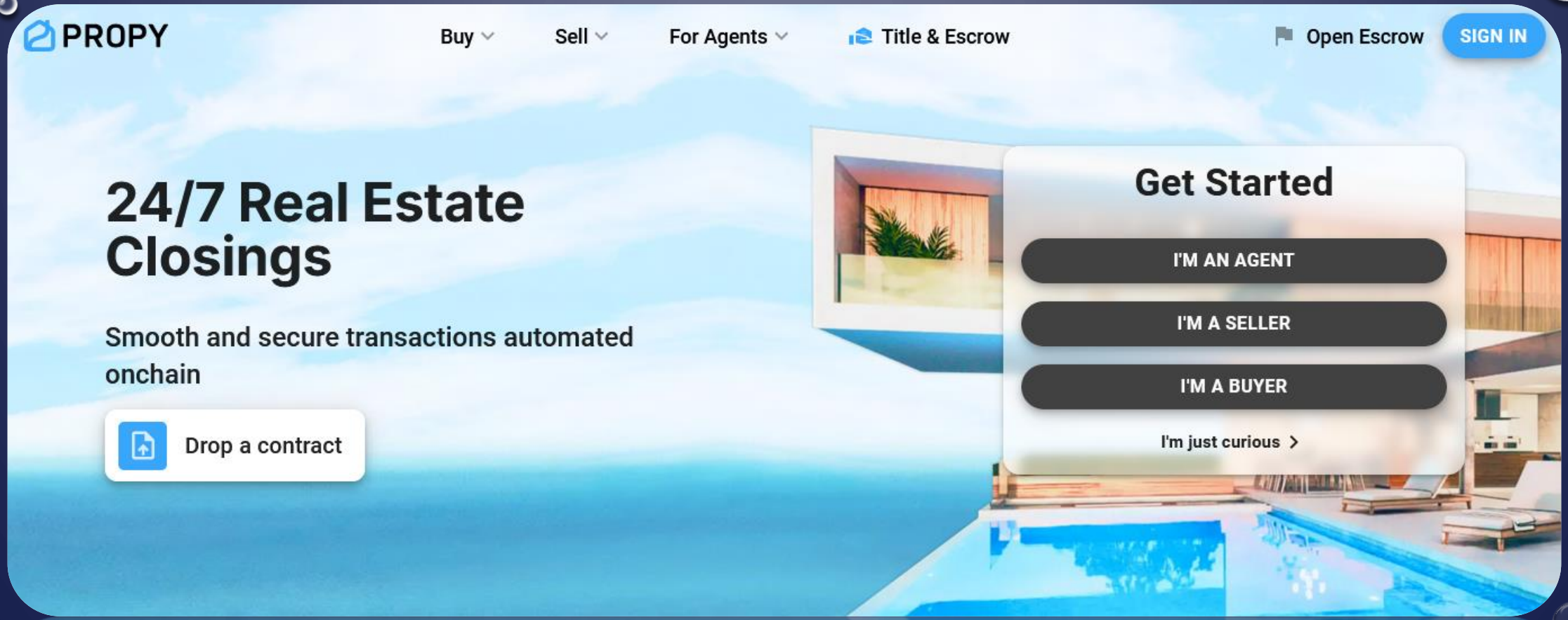
- Easy to carry and store
- Availability of additional layers of anonymity mixer/coinjoin
- Privacy coins

- Easy to move internationally



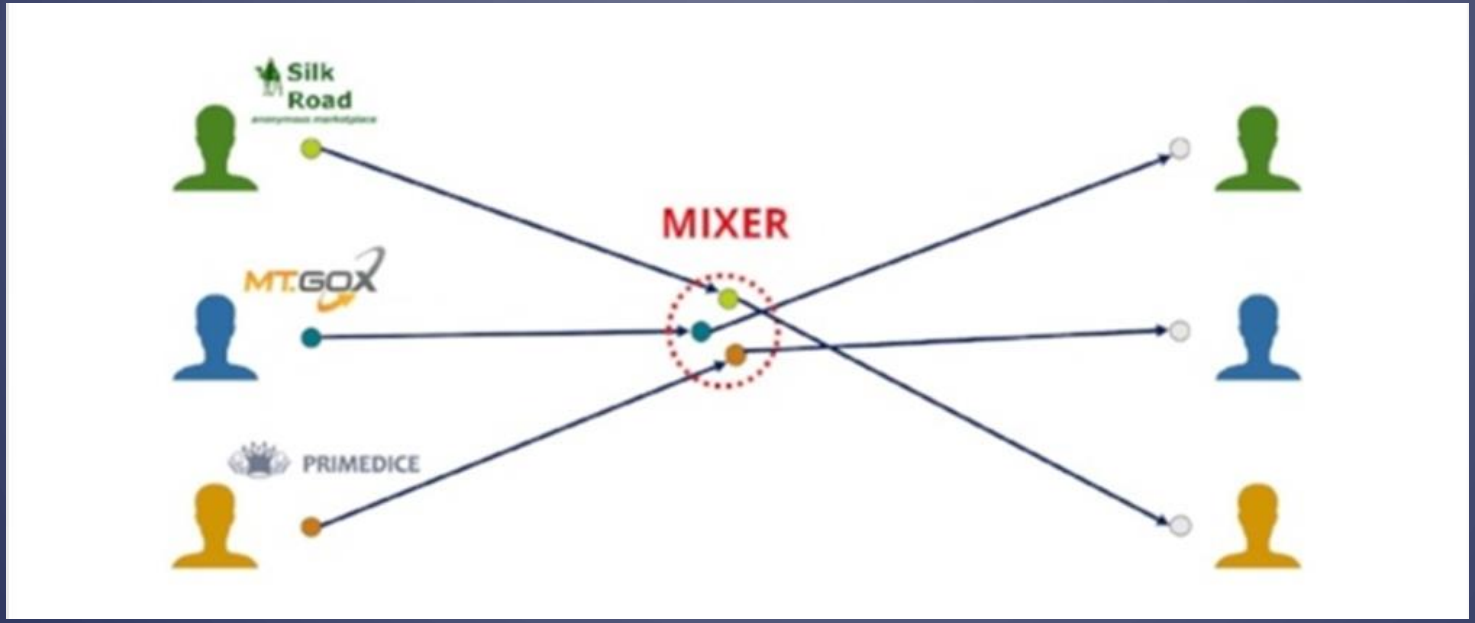
- Bitcoin traders – no central party

EMPACT
Fighting crime together



EMPACT
Fighting crime together

Bitcoin mixing - Coinjoin



A (highly-simplified) view of what happens on a bitcoin mixer: enabling its users to break the link to the source of their bitcoins.

Used efficiently bitcoin mixing or “coinjoins” can break the audit trail and make it very difficult to attribute ownership of the assets. There is however a caveat to this, the user must kno how to safeguard their privacy at each step of the process.

https://youtu.be/aRds5RvexYg

Bestmixer vs money laundering

CRYPTOCURRENCY, ESPIONAGE AND CORRUPTION

EMPACT
Fighting crime together

Frank Creyelman, a former Belgian senator © FT montage/Dirk Vertommen

Chinese espionage + Add to myFT

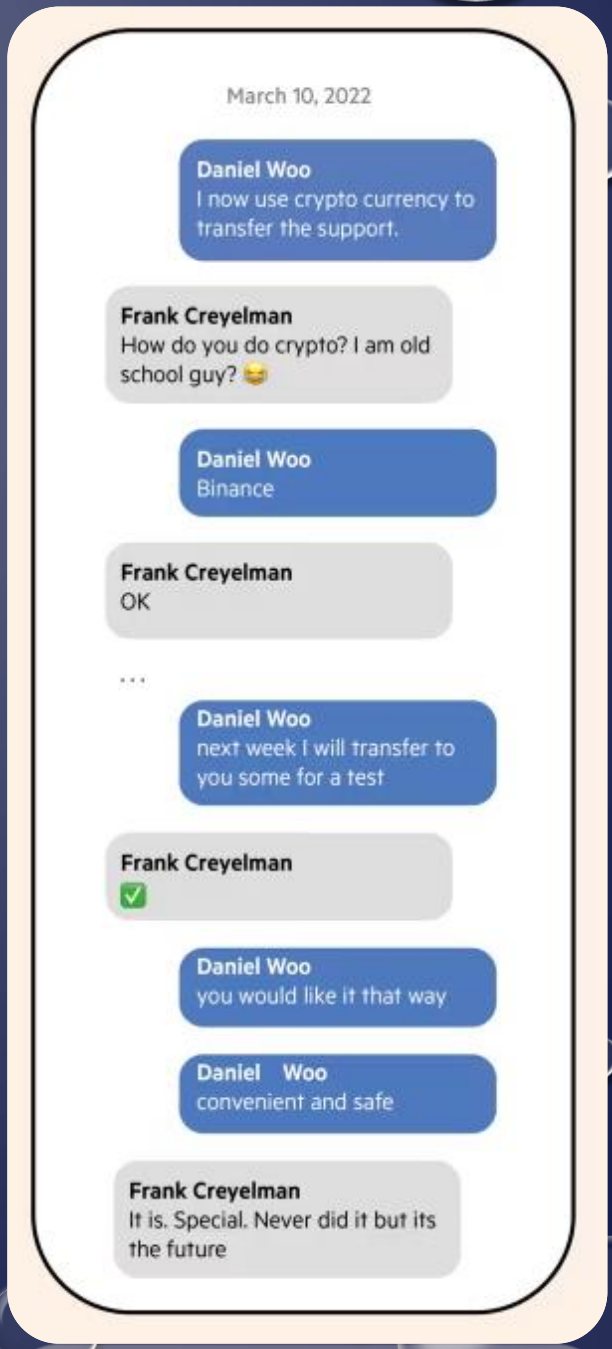
Chinese spies recruited European politician in operation to divide west

BINANCE

Chinese spies ran a far-right Belgian politician as an intelligence asset for more than three years in a case that shows how Beijing has conducted influence operations in an effort to shape politics in its favour.

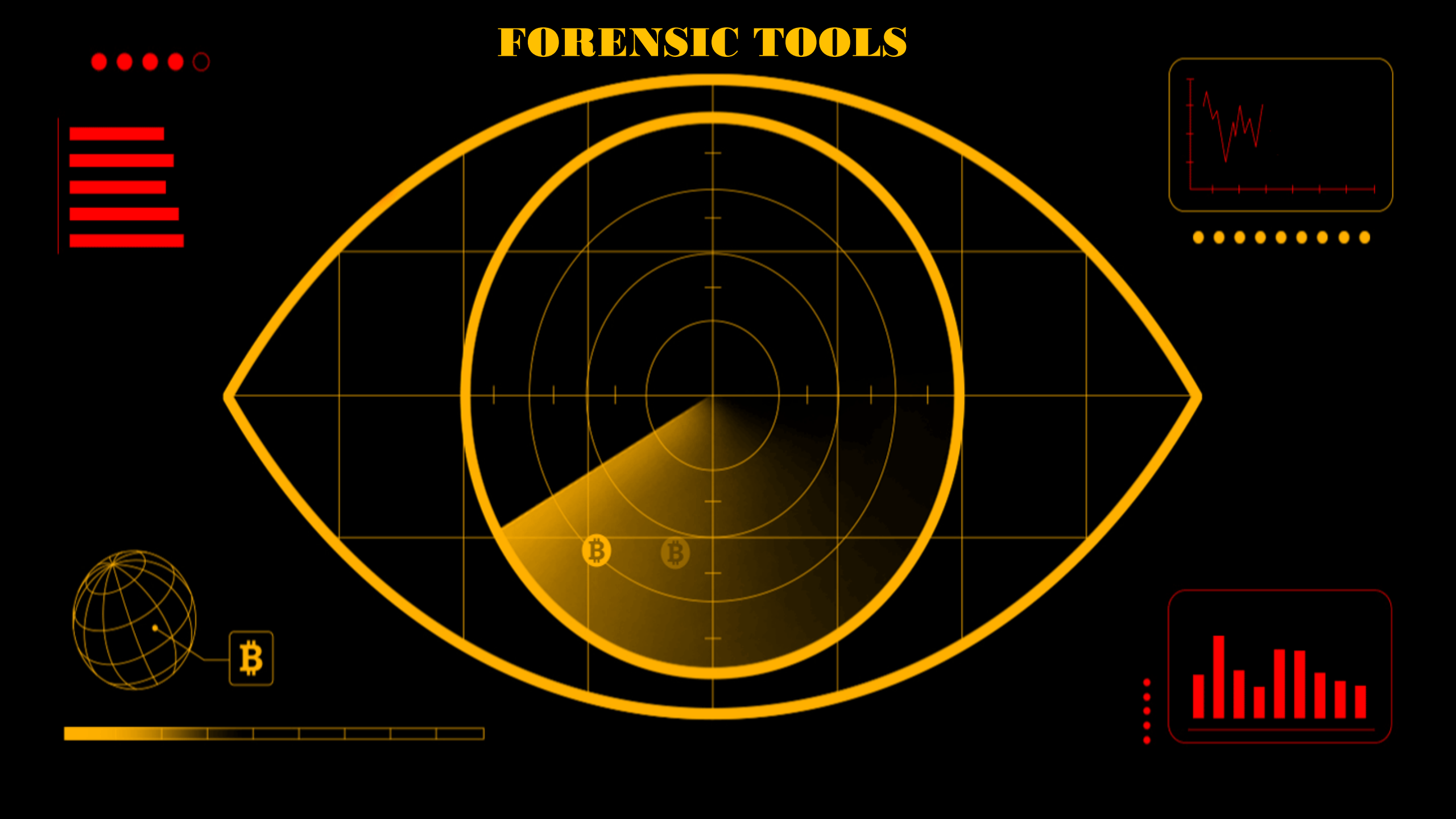
Daniel Woo, an officer in China's Ministry of State Security spy agency, pushed Frank Creyelman, a former Belgian senator, to influence discussions in Europe on issues ranging from China's crackdown on democracy in Hong Kong to its persecution of Uyghurs in Xinjiang.

Woo discussed money several times in the exchanges, including amounts he would pay Creyelman or others for their help. At one point, Woo taught Creyelman how to use an app to transfer cryptocurrency.



EMPACT
Fighting crime together

FORENSIC TOOLS



Appendix to the company's annual accounts.

BUSJE KOMT ZO BV 2018-2019

Geleend van Privé - Bruikleenovereenkomsten Historiek

Datum	Aantal	Transactie
12/05/2019	100 BTC	14646ae65d7726a50a91a6751d9a34dd8a3225c72a34e7b10ec6e57acda4d564
04/06/2019	100 BTC	762fd72b5f1a282720895bab3e8359d3d5a059fc09847344e0a01406ed987bac
10/11/2019	200 BTC	2eb9190efb807952a1a18d81bb859261e18bf50506b172de30de47a1922b9b96

Blockchain.com

From 3KJtJ-eSPde
To 2 Outputs

Confirmed

This transaction has 231,636 Confirmations. It was mined in Block 603,144

This transaction paid ~40% more in fees due to inefficiencies associated with older wallets.

Learn More

Hash	2eb9-9b96	Block ID	603,144
Position	320	Time	10 Nov 2019 02:39:38
Age	4y 4m 5d 20h 14m 57s	Inputs	1
Input Value	499.99962880 BTC	Outputs	2
	$33,815,069	Output Value	499.99958512 BTC
Fee	0.00004368 BTC		$33,815,066
	$2.95	Fee/B	17.684 sat/B
Fee/VB	26.313 sat/vByte	Size	247 Bytes
Weight	661	Weight Unit	6.608 sat/WU
Coinbase	No	Witness	Yes
RBF	No	Locktime	0
Version	1	BTC Price	$67,630.19

Overview JSON

From

1 3KJtJqg8hyocLwWBmpgdY78nP9bsWeSPde
499.99962880 BTC • $33,815,069

To

1 36AcDgLUEuMmX8ZLWqC1dsRNB1D5Yzxda8
200.00000000 BTC • $13,526,038

2 35mMyJ3xVRPbqM3WPSWwrtyE8FN9KEjbso
299.99958512 BTC • $20,289,028

From

1 39zHAMNNwiHfJARoCDRyCLudQj6tZxMiMo
175.76794825 BTC • $11,863,542

To

1 3PXBwqxYDeQbXahSAn8AqSeMedw6AJSSzF
100.00000000 BTC • $6,749,548

2 3MLeNKKA9ZPzDkbxb3GvjNXheLtB6dEArg
75.76748221 BTC • $5,113,962

From

1 3PaC6dE84Wv7D1GeXtvf7QLnXMYqM5qjtn
13.31112140 BTC • $899,348

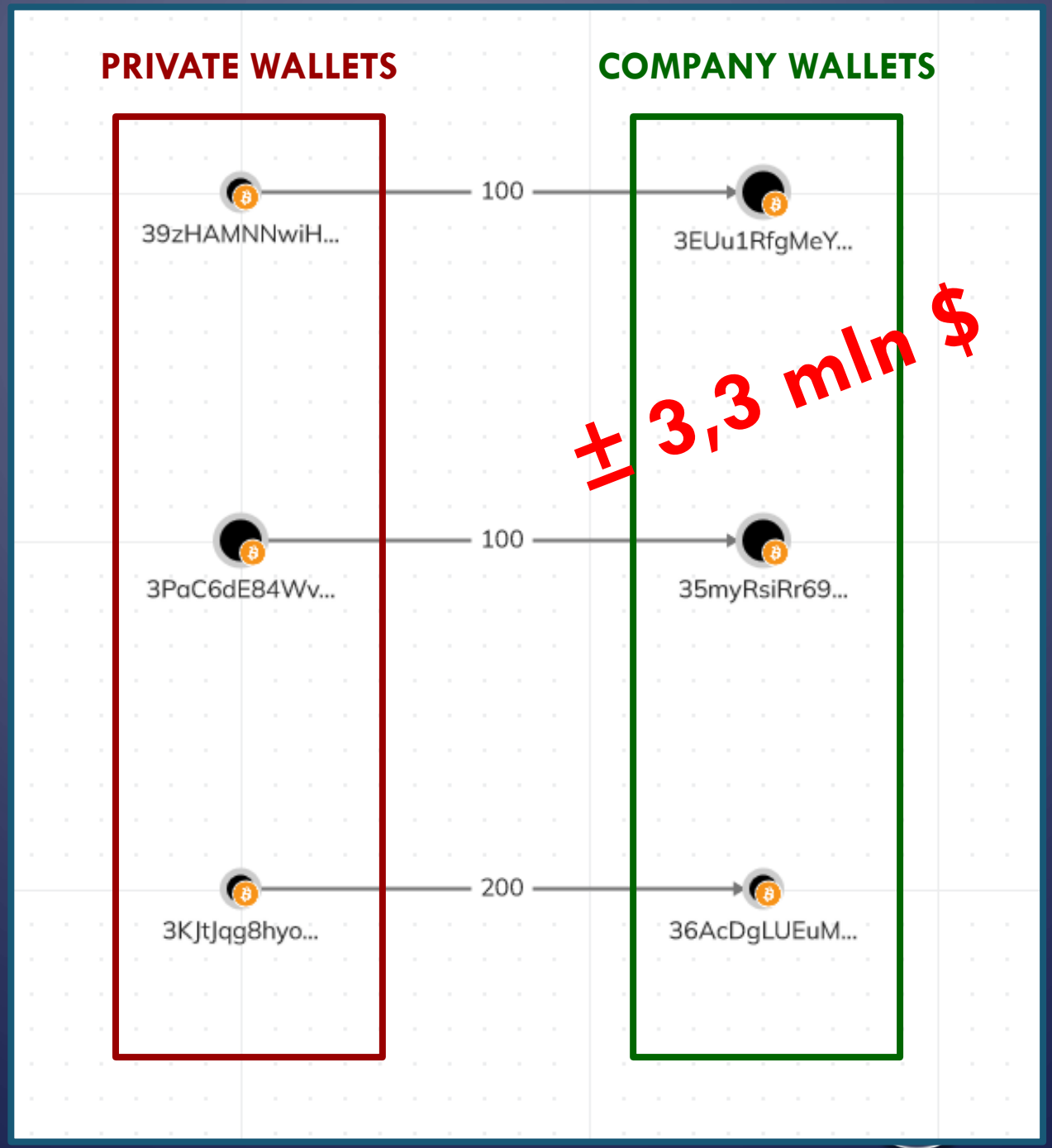
2 3DRQJ5WA6sp8RkAjKxVMeTWuq16WkYJ4gF
181.26362299 BTC • $12,246,833

To

1 3B4SnJNhgzXLP2JDPgR1zn4yywWRnBgtLu
100.00000000 BTC • $6,756,366

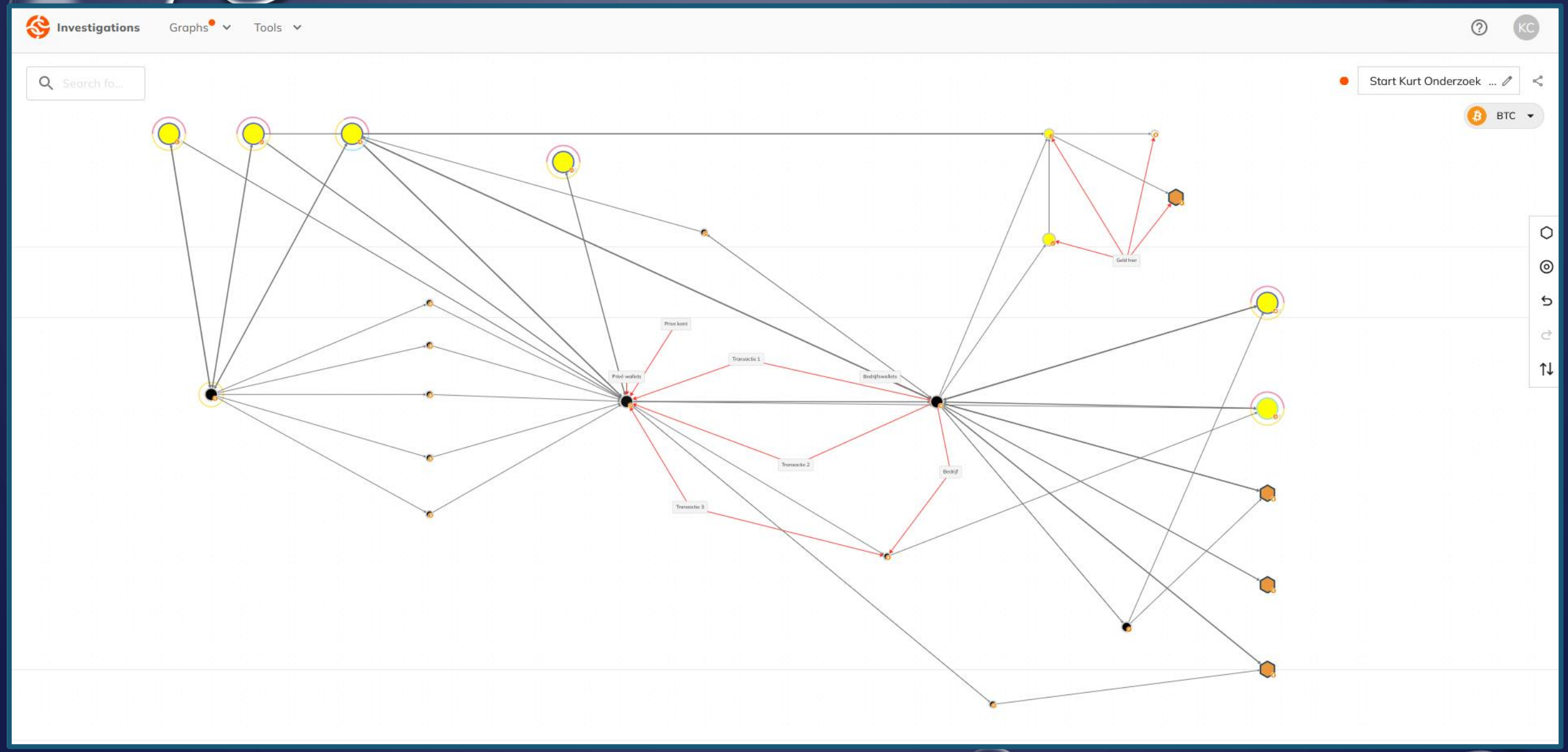
2 3QeH8RpLcihWFT87qH2Bdmvy6LYxA8mJN2
94.57441439 BTC • $6,389,793

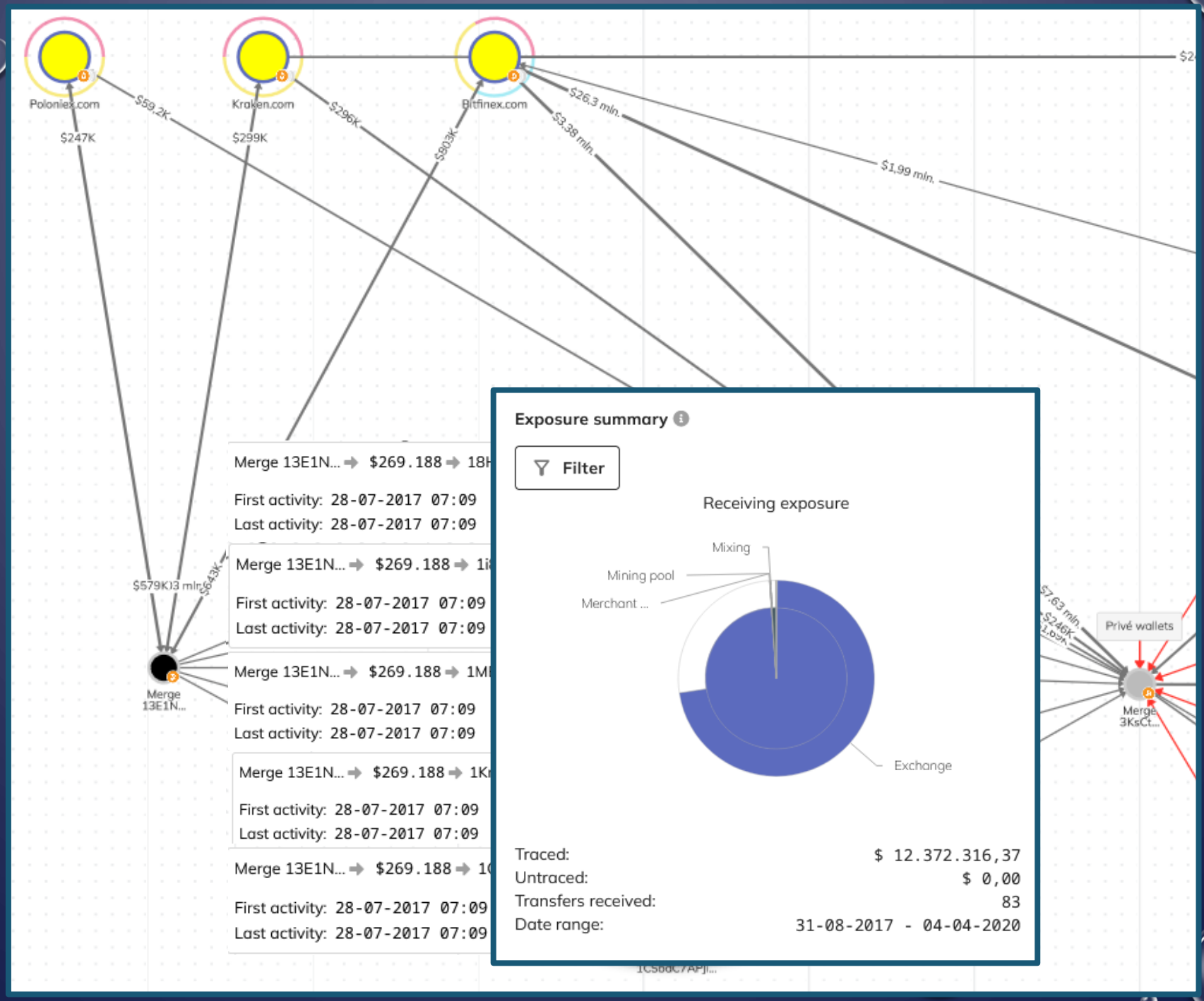
Investigations



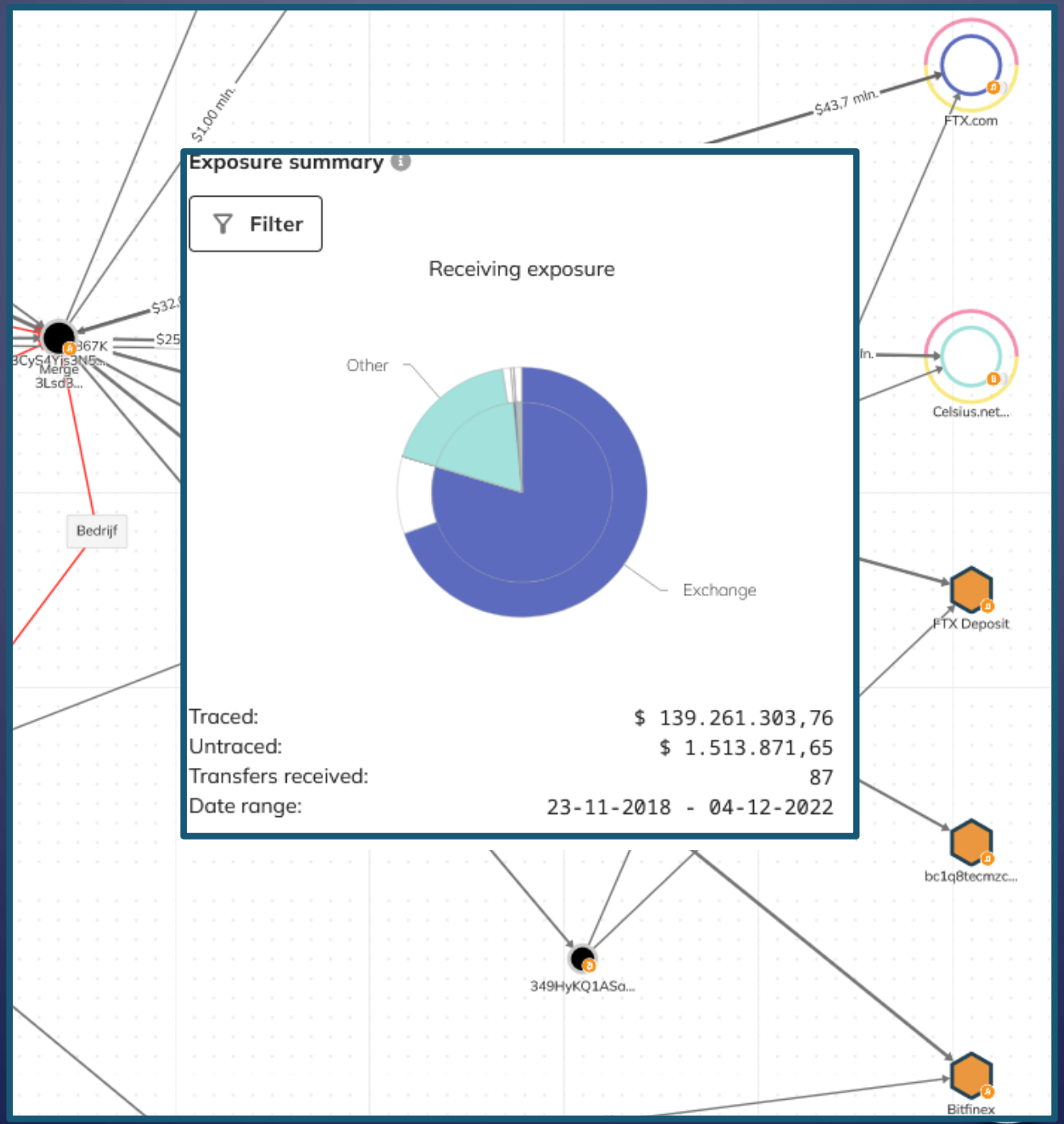
EMPACT
Fighting crime together

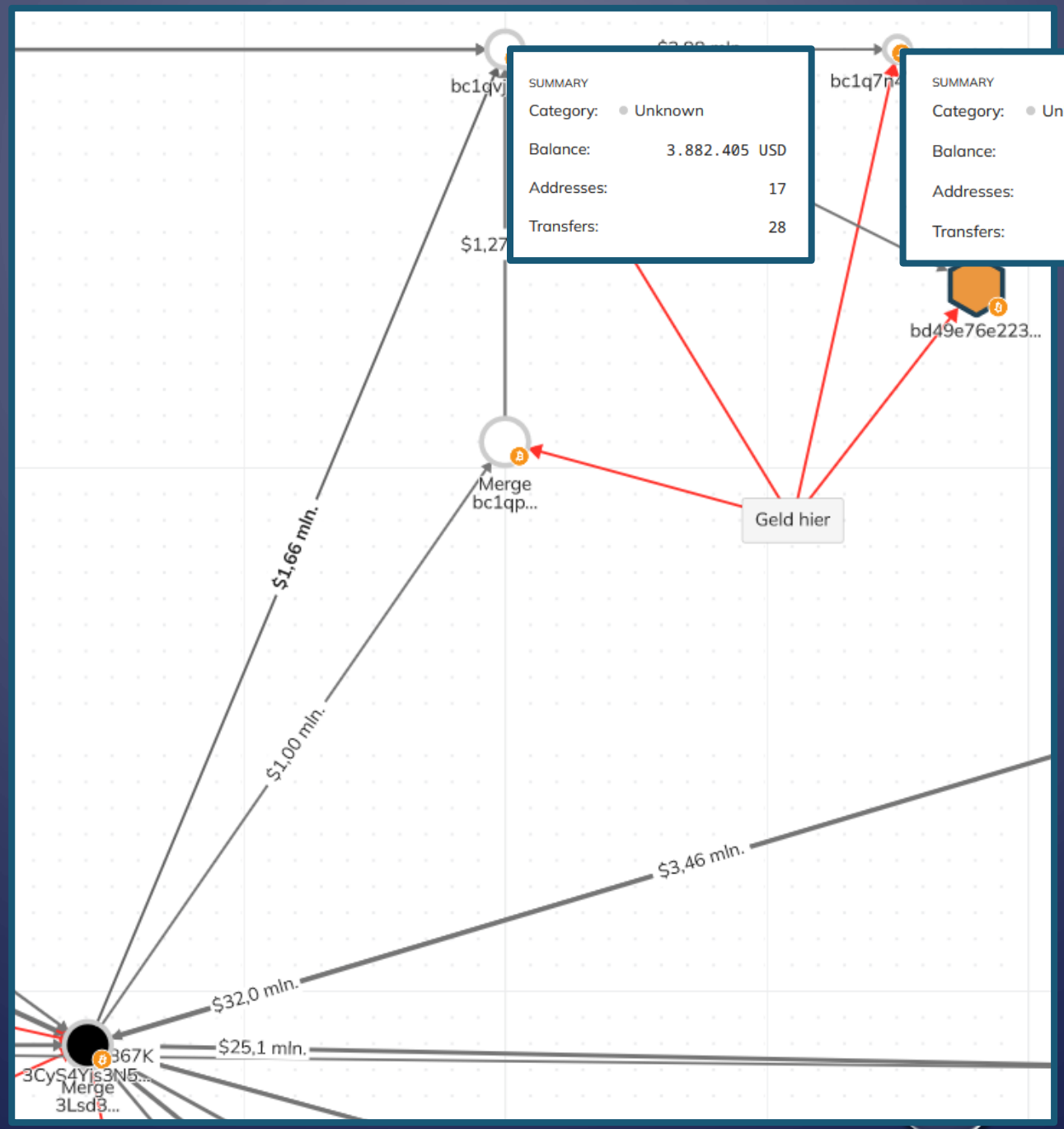
FOLLOW
THE
MONEY

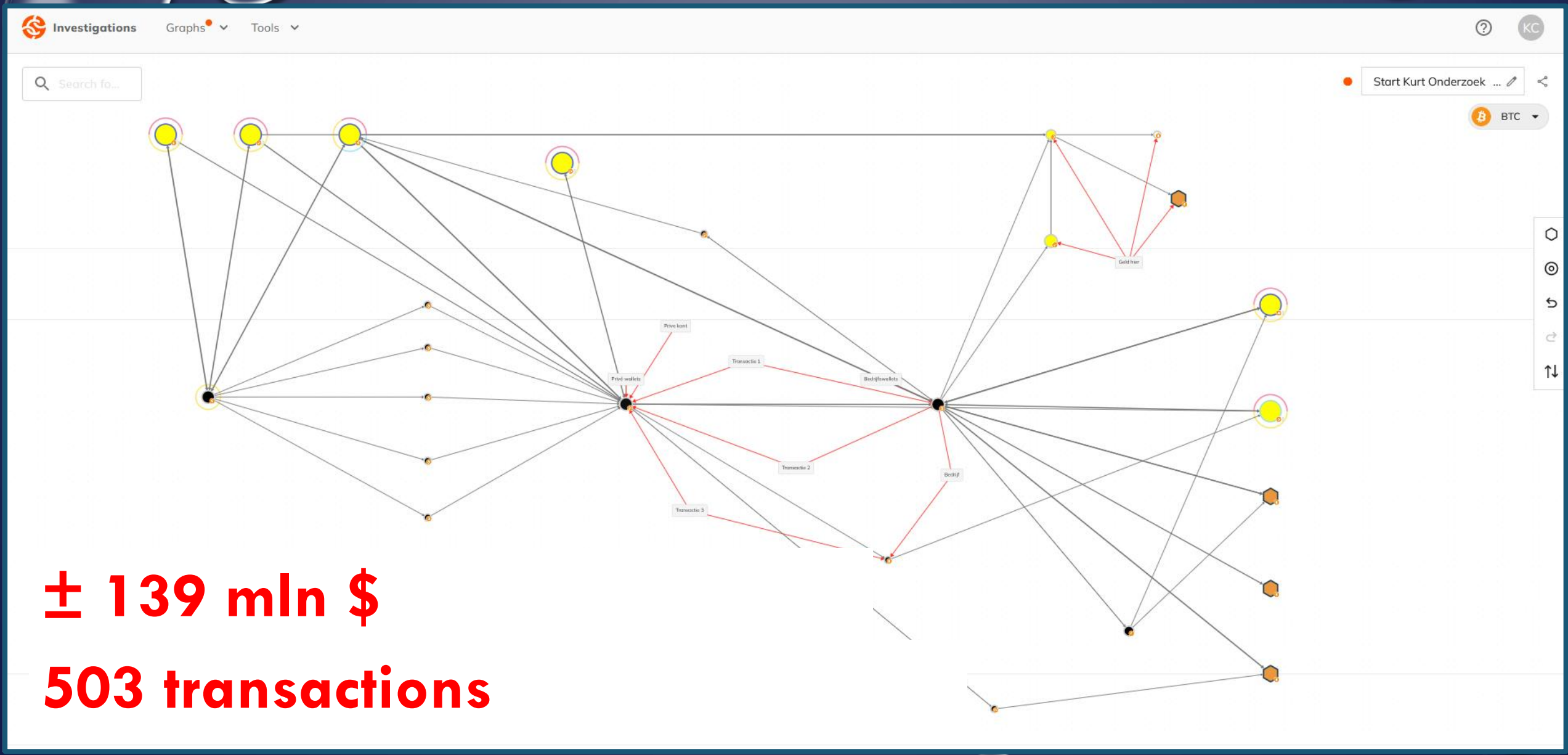

Investigations
Graphs
Tools
KC
Search fo...
Start Kurt Onderzoek ...
BTC
Privé kont
Transactie 1
Privé wallets
Bedrijfswallets
Transactie 2
Bedrijf
Transactie 3
Geld Inter

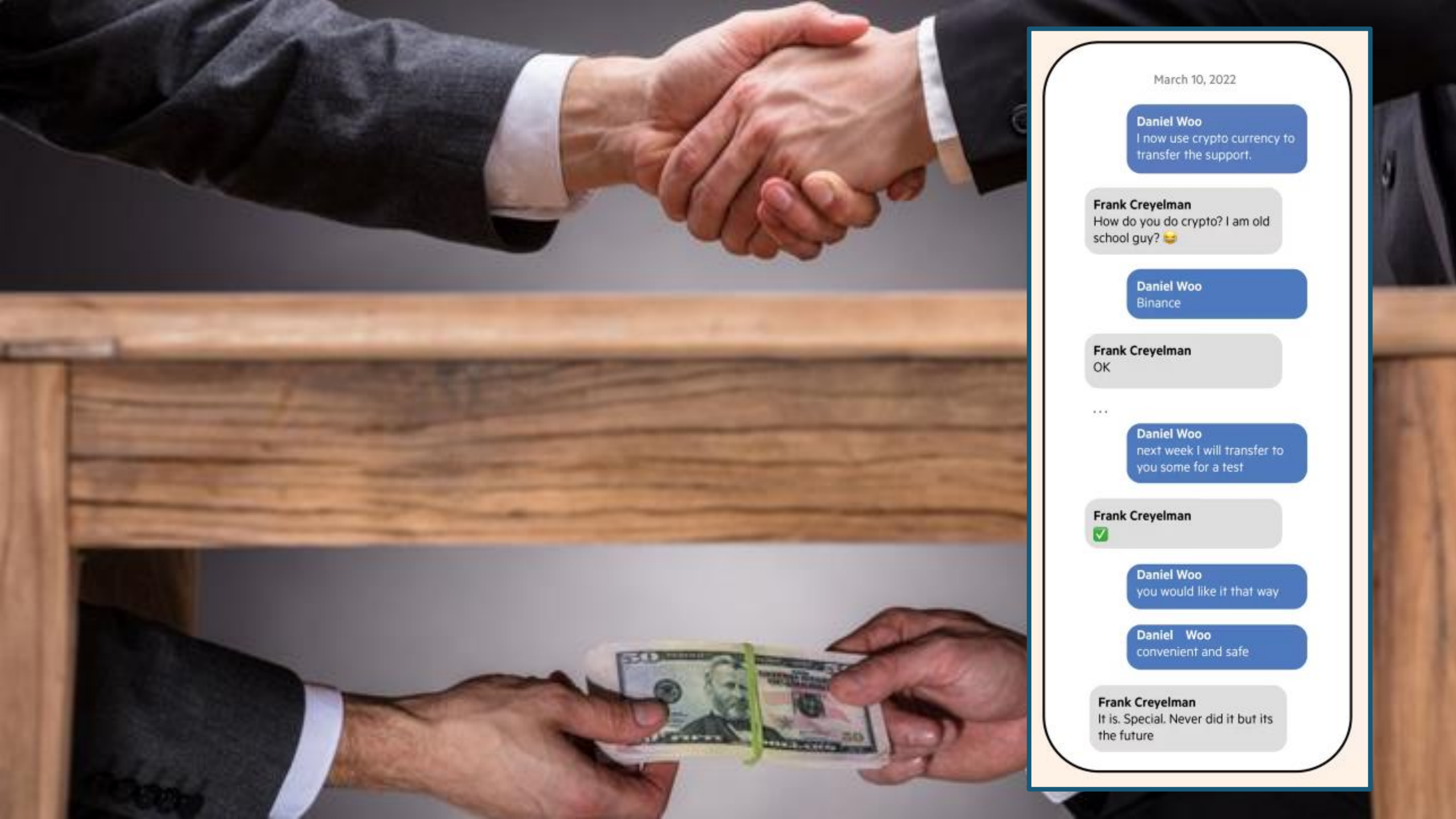


EMPACT
Fighting crime together


$100 mln.
$43,7 mln.
FTX.com
Celsius.net...
Bedrijf
FTX Deposit
bc1q8tecmzc...
349HyKQ1ASa...
Bitfinex
Exposure summary
Filter
Receiving exposure
Other
Exchange
Traced: $ 139.261.303,76
Untraced: $ 1.513.871,65
Transfers received: 87
Date range: 23-11-2018 - 04-12-2022


SUMMARY
Category: Unknown
Balance: 3.882.405 USD
Addresses: 17
Transfers: 28
SUMMARY
Category: Unknown
Balance: 6.748.700 USD
Addresses: 1
Transfers: 1
bc1qvj
bc1q7n
$1,27
bd49e76e223...
Merge
bc1qp...
Geld hier
$1,66 mln.
$1,00 mln.
$3,46 mln.
$32,0 mln.
$25,1 mln.
367K
3CyS4Yis3N5...
Merge
3Lsd3...


Investigations
Graphs
Tools
KC
Search fo...
Start Kurt Onderzoek ...
BTC
Transactie 1
Transactie 2
Transactie 3
± 139 mln $
503 transactions



March 10, 2022

Daniel Woo
I now use crypto currency to transfer the support.

Frank Creyelman
How do you do crypto? I am old school guy? 😅

Daniel Woo
Binance

Frank Creyelman
OK

...

Daniel Woo
next week I will transfer to you some for a test

Frank Creyelman
✅

Daniel Woo
you would like it that way

Daniel Woo
convenient and safe

Frank Creyelman
It is. Special. Never did it but its the future

CONTACTED BY LAWERS

- 30-11-2023
- MISTER MISTERY
- CASE IN GIFT WRAPPING.
- 30 MIO € (REALIZED) CAPITAL GAINS
- INCOME TAX
- 10 MIO € TAXES

EMPACT
Fighting crime together

OBTAINED INTEL

EMPACT
Fighting crime together

Complychain

Your Crypto, Your Money

Crypto Tax Report

2012-2022

NOVEMBER 2023

CONFIDENT

PER E-MAIL: kurt.caestecker@minfin.fed.be

BETREFT : REGULARISATIE VAN INKOMSTEN UIT CRYPTOMUNTEN

Geachte heer Caestecker,

Wij verwijzen naar uw bericht dd. 16 oktober 2023.

Graag zouden wij u onderhavig dossier willen voorleggen, waarbij cliënt sinds 2012 heeft geïnvesteerd i cryptomunten en in verschillende jaren inkomsten heeft verkregen middels deze investeringen.

Cliënt consulteerde ons voor begeleiding bij de spontane fiscale rechtzetting van de meerwaarden e passieve inkomsten die hij heeft behaald ingevolge cryptobeleggingen.

Daarnaast liet cliënt zich gezien de complexiteit van de materie ondersteunen door een professionel onderneming ComplyChain (https://www.complychain.eu/) die gespecialiseerd is de analyse van crypt transacties (**Bijlage 1 – Rapport Complychain**).

In deze nota lichten wij u op gemotiveerde wijze toe hoe de inkomsten zijn verworven.

TAX LAWYERS

4. Vermogenssituatie ten tijde van de investering

18. De netto investering van 10.871,00 EUR vertegenwoordigde minder dan 20% (cfr. criterium gehanteerd door de rulingcommissie in kader van het normaal beheer) van het roerend vermogen van cliënt (d.w.z. zijn beschikbare middelen).

III. Besluit

56. Om te concluderen, licht cliënt hieronder de inkomsten toe die hij wenst te regulariseren:

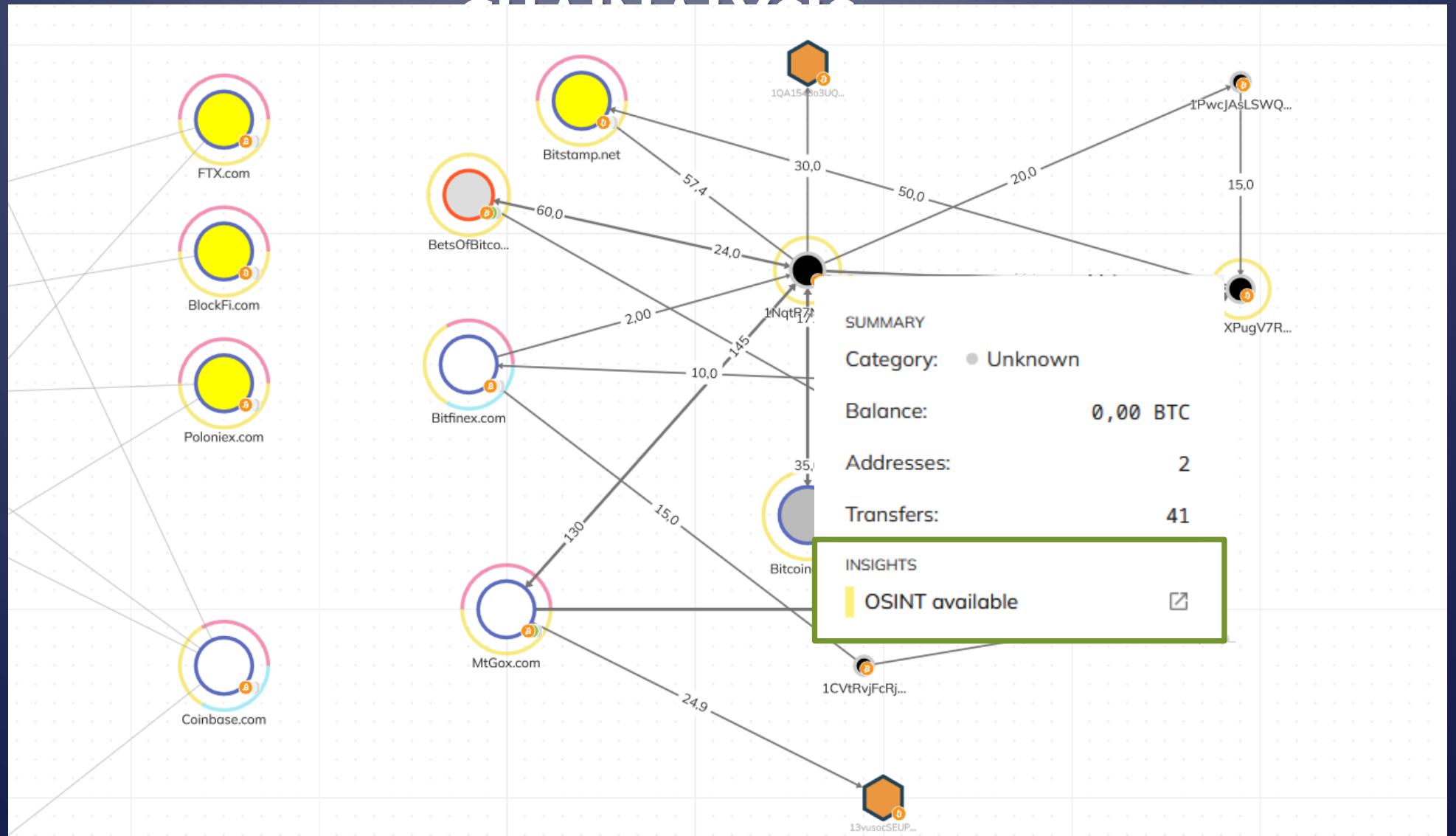
Diverse inkomsten (33%)	
Meerwaarde	**29.791.753,45 EUR**

Roerende inkomsten	
Staking rewards 2013, 2014 en 2015 (25%)	**13.319,67 EUR**
Staking rewards 2016 (27%)	**3.966,55 EUR**
Staking rewards 2017, 2018, 2019, 2020, 2021 en 2022 (30%)	**2.116.673,48 EUR**

> 800.000 transactions!

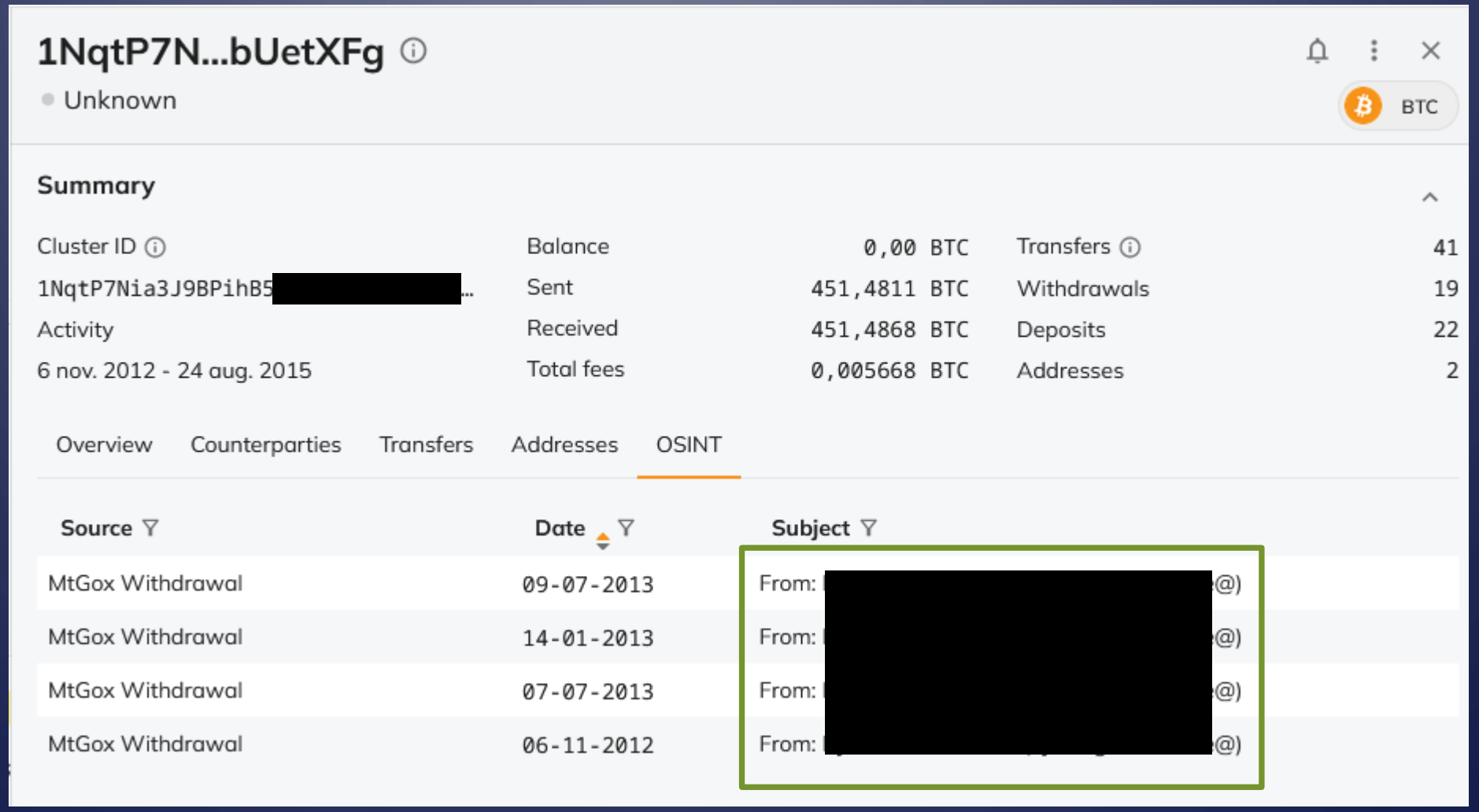
EMPACT
Fighting crime together

Investigations



CHAINALYSIS

Investigations



MISTER MISTERY

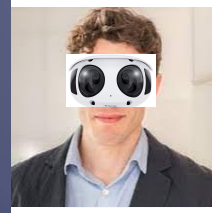
UNIVERSITEIT GENT

ACADEMIC BIBLIOGRAPHY

Search 200 years of publications by Ghent University researchers.

Search

Authors > dr. [redacted]



dr. [redacted]

1 – 10 of 15 publications

Show 10 Sort by year (new to old) Actions

Journal Article A1 open access Add to list

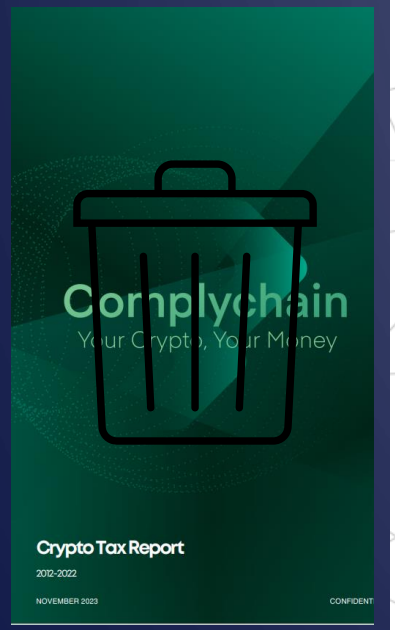
ROR gamma t inhibition ameliorates IL-23 driven experimental psoriatic arthritis by predominantly modulating gamma delta-T cells

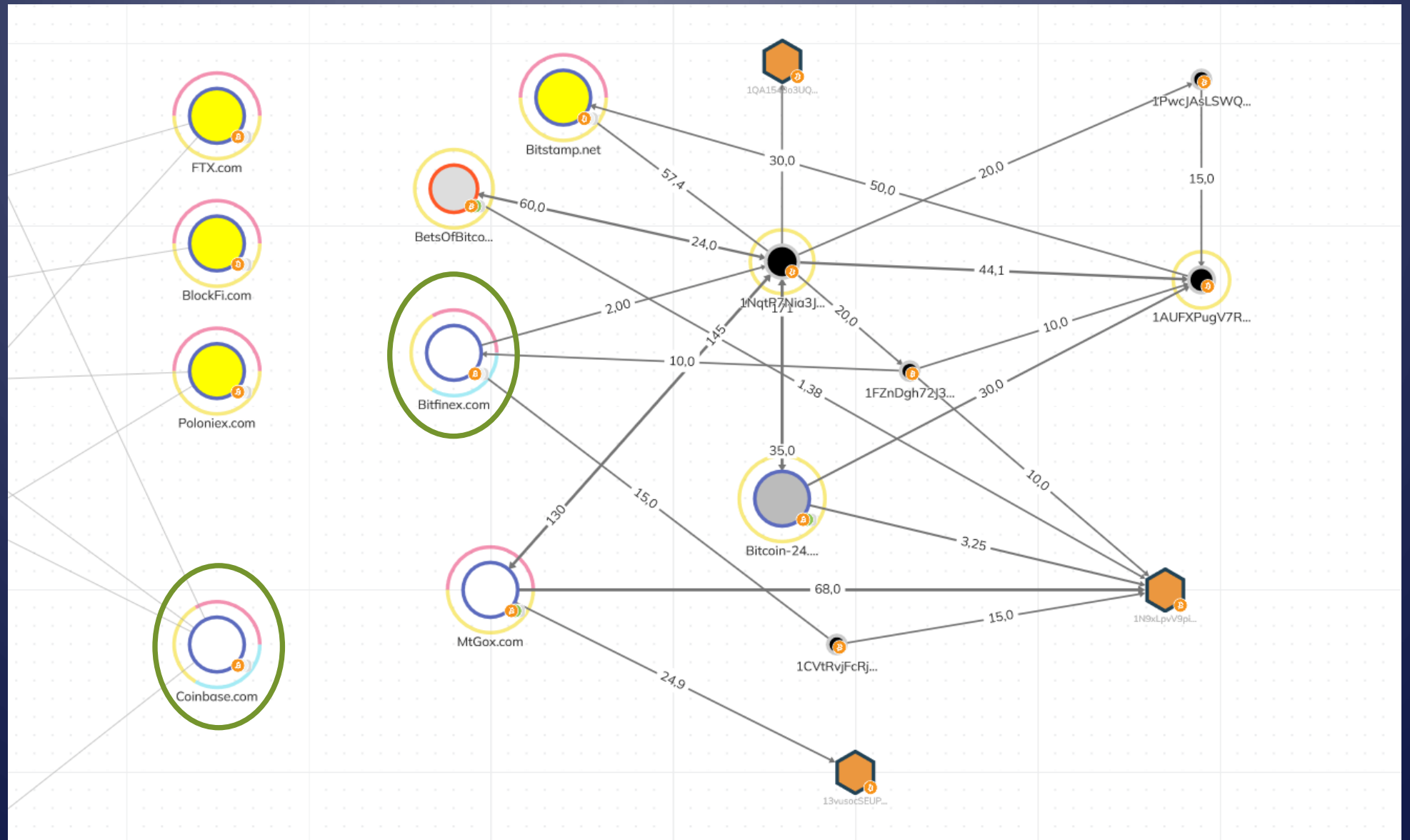
[redacted]

EMPACT
Fighting crime together

CHAINALYSIS

Investigations





PROBLEM AREAS

1. Completeness of the data
2. Correctness of the data

3. How do we treat these capital gains?

PRUDENT PERSON RULE	→	EXEMPTED
MISCELLANEOUS INCOME	→	33% INCOME TAX
PROFESSIONAL INCOME	→	50% INCOME TAX

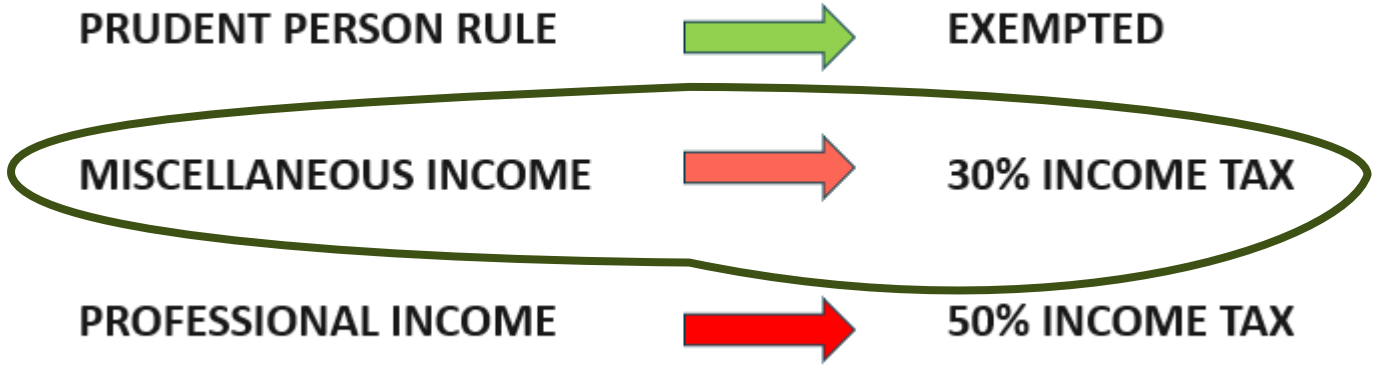
EMPACT
Fighting crime together

E. Completeness of the data (USDC)

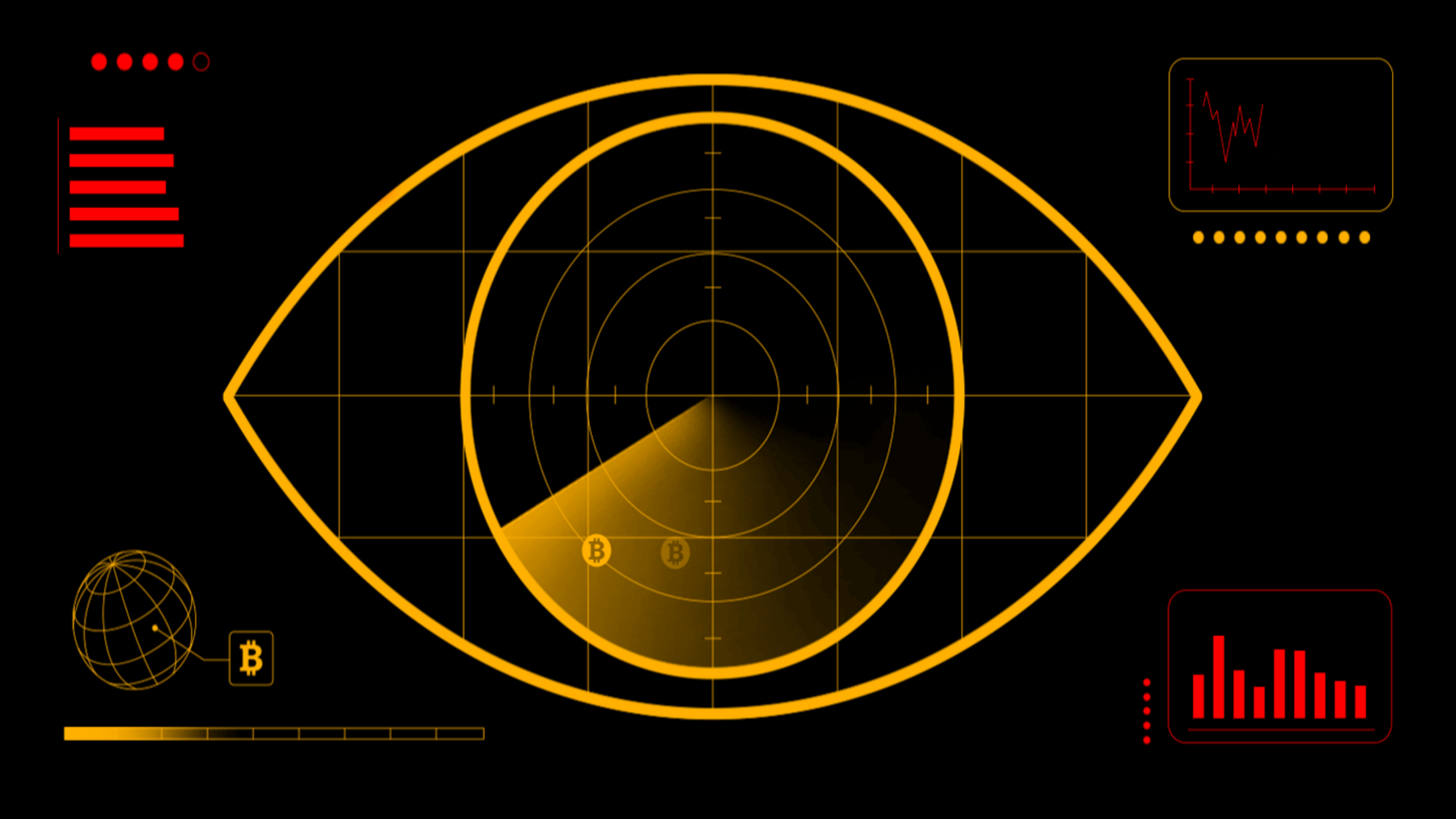
8. Client emphasizes not to have accounts with Coinbase or Binance. However, a total amount of 400,052 USDC was sent to these Exchangers for the investment in shares of 3 biotech startups...

EMPACT
Fighting crime together

3. How do we treat these capital gains?



PAID TAXES: 14.200.000,00 €

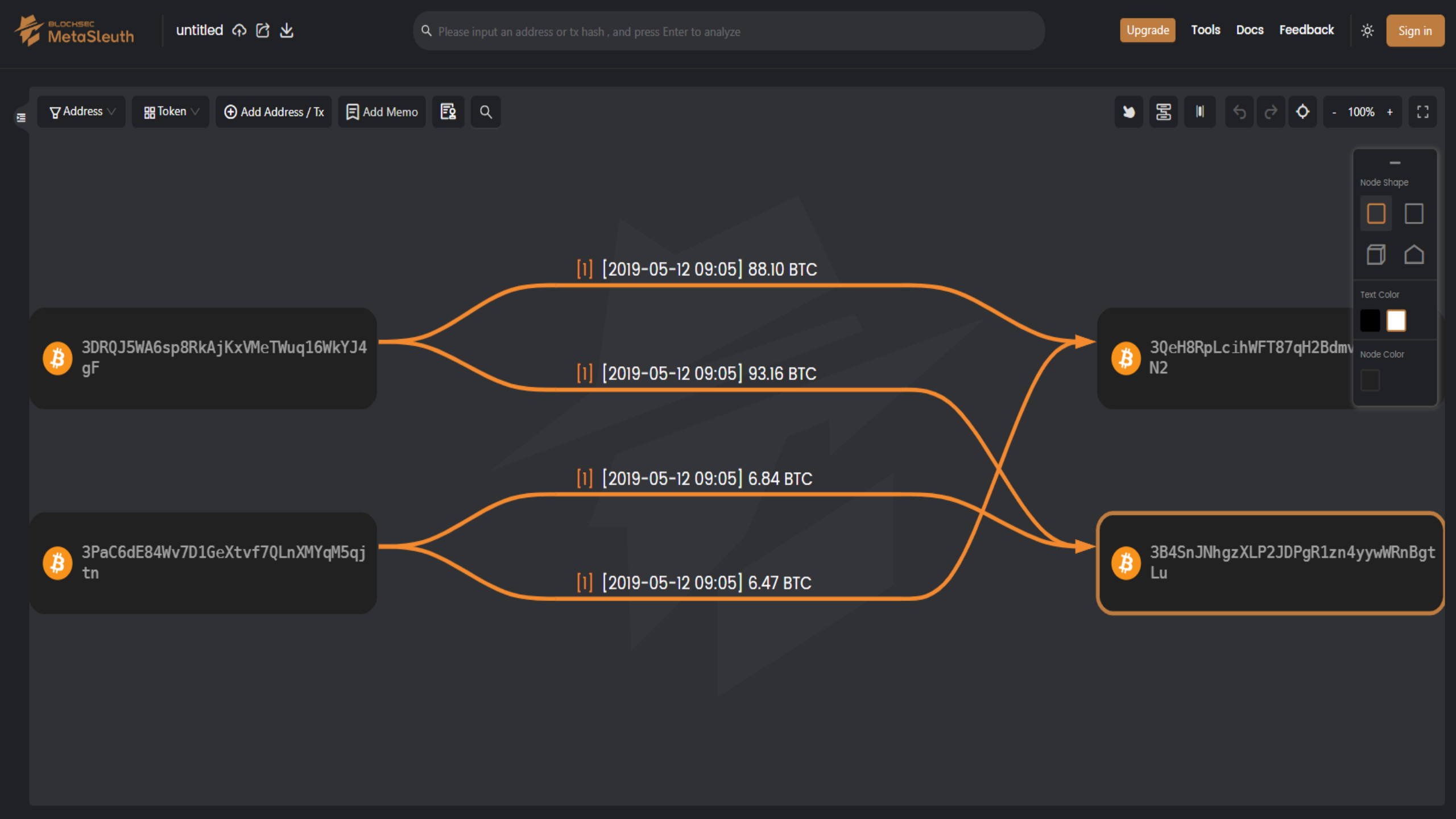


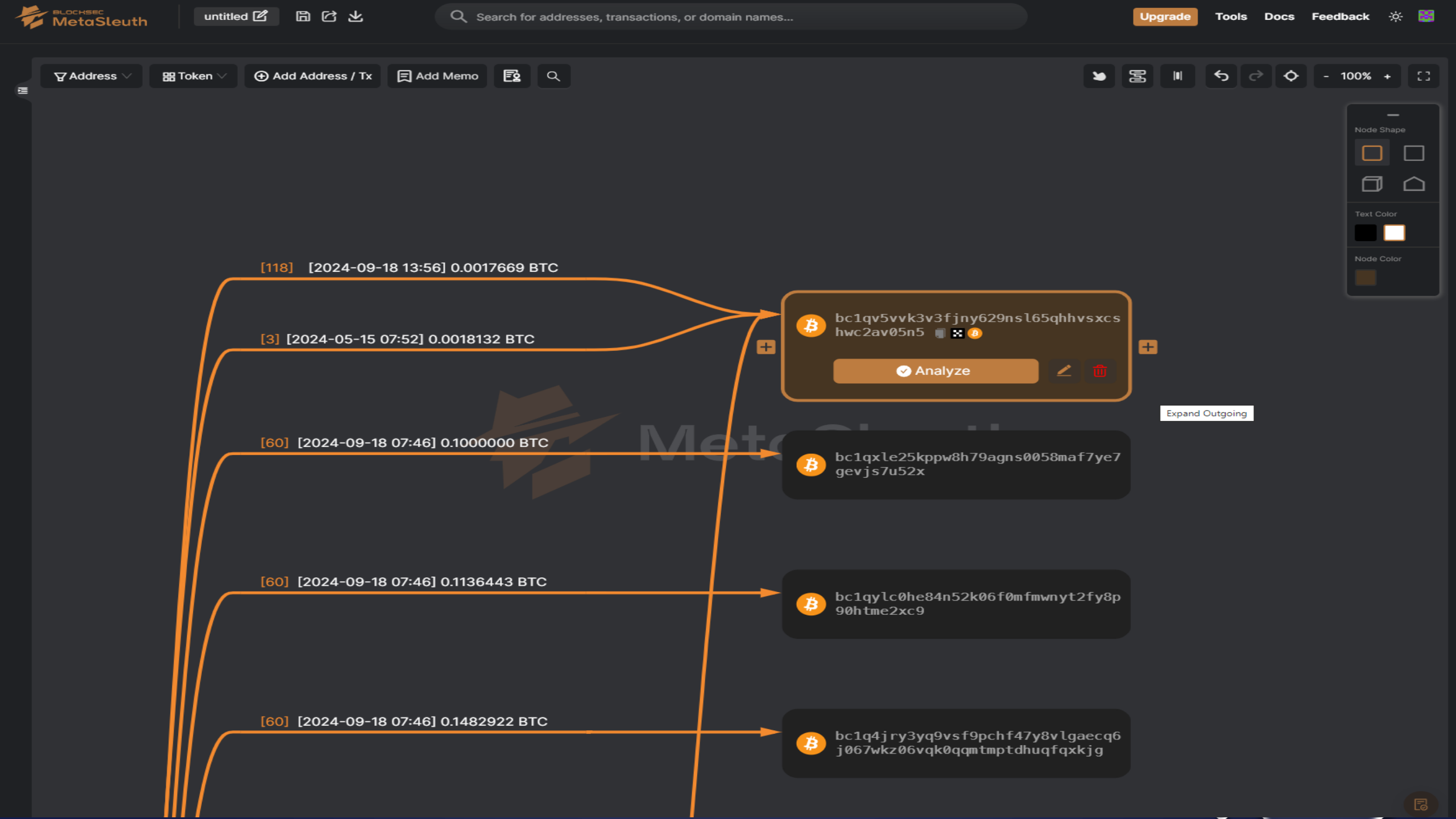
Sleuth
Home
Phishing Alerts
Monitor
Docs
Blog
Pricing
Sign in
Crypto Tracking and Investigation Platform
Ethereum
Please input an address, ENS name, or tx hash , and press Enter to analyze
ethereum
Moonbeam
fantom
Linea
OPTIMISM
AVALANCHE
cronos
BASE
https://metasleuth.io/

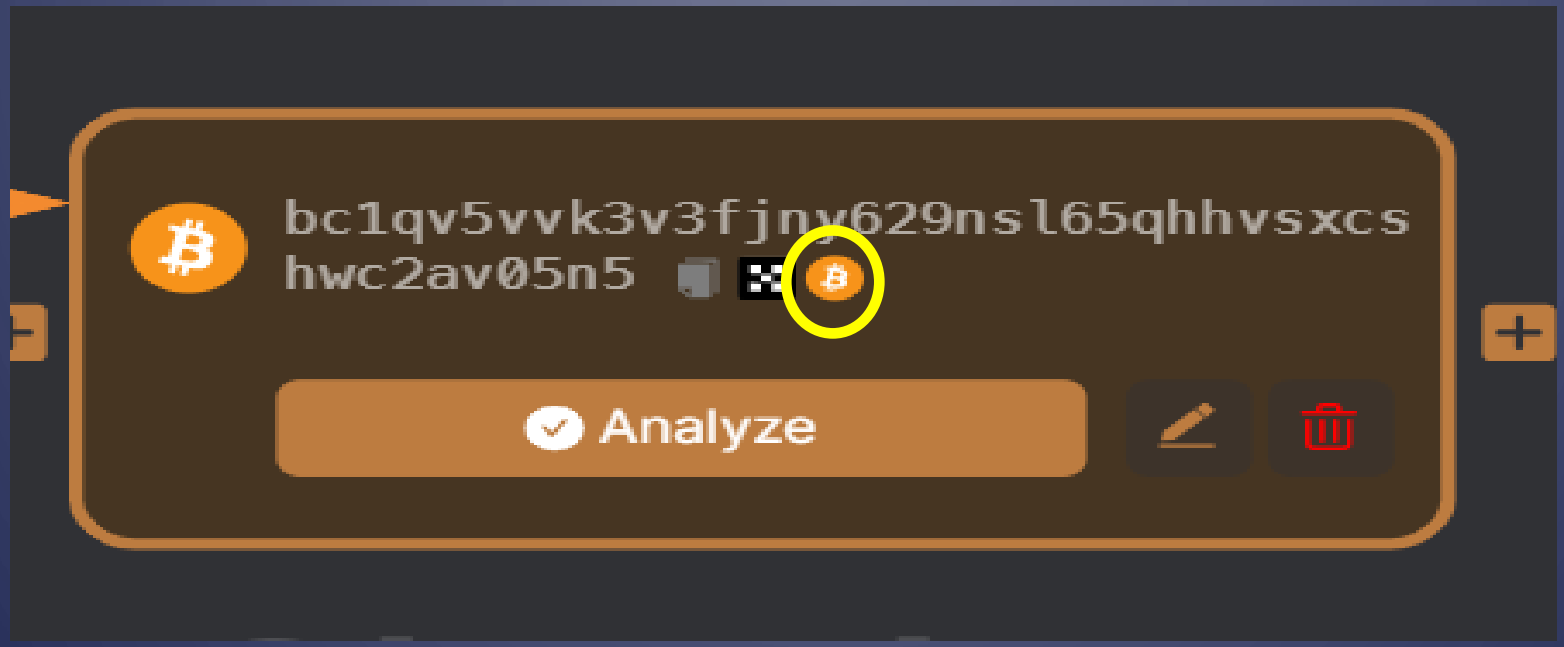
Crypto Tracking and Investigation Platform

Bitcoin

bitcoin TRON BINANCE SMART CHAIN ethereum Moonbeam fantom Linea OPTIMISM AVALANCH


BLOCKSEC
MetaSleuth
untitled
Please input an address or tx hash , and press Enter to analyze
Upgrade
Tools
Docs
Feedback
Sign in
Address
Token
Add Address / Tx
Add Memo
100%
Node Shape
Text Color
Node Color
[1] [2019-05-12 09:05] 88.10 BTC
[1] [2019-05-12 09:05] 93.16 BTC
[1] [2019-05-12 09:05] 6.84 BTC
[1] [2019-05-12 09:05] 6.47 BTC
3DRQJ5WA6sp8RkAjKxVMeTWuq16WkYJ4gF
3PaC6dE84Wv7D1GeXtvf7QLnXMYqM5qjtn
3QeH8RpLcihWFT87qH2BdmvN2
3B4SnJNhgzXLP2JDPgR1zn4yywWRnBgtLu


BLOCKSEC
MetaSleuth
untitled
Search for addresses, transactions, or domain names...
Upgrade
Tools
Docs
Feedback
Address
Token
Add Address / Tx
Add Memo
100%
Node Shape
Text Color
Node Color
[118] [2024-09-18 13:56] 0.0017669 BTC
[3] [2024-05-15 07:52] 0.0018132 BTC
bc1qv5vvk3v3fjny629nsl65qhhvsxcshwc2av05n5
Analyze
Expand Outgoing
[60] [2024-09-18 07:46] 0.1000000 BTC
bc1qxle25kppw8h79agns0058maf7ye7gevjs7u52x
[60] [2024-09-18 07:46] 0.1136443 BTC
bc1qylc0he84n52k06f0mfmwnyt2fy8p90htme2xc9
[60] [2024-09-18 07:46] 0.1482922 BTC
bc1q4jry3yq9vsf9pchf47y8vlgaecq6j067wkz06vqk0qqmtmptdhuqfqxkjg


bc1qv5vvk3v3fjnv629nsl65qhhvsxcs
hwc2av05n5
Analyze

Address

bc1qv5vvk3v3fjny629nsl65qhhvsxcshwc2av05n5 + Monitor

Summary

Format	P2WPKH_V0	Total Received	0.00369071 BTC
Balance	0.00369071 BTC	Total Sent	0 BTC
Balance Value	$ 219.14	Txn Count	3
Other Explorers			BLOCKCHAIR

Transactions (3)

Filter : All Sort: Time Export Batch Accelerate

f9f02e2786a58687a4563956fdcff5f34ea0b1663ef9f69270d98ab0a2edbe35 861,855 13 Satoshis/vByte Fee:0.00001776 BTC 2024-09-18 15:57:57

Input (1)	15.94461283 BTC	Output (2)	15.94459507 BTC
bc1qmhq4sgtchfgh6ul7...3rsuegt55mef0zx3ehm2	15.94461283	bc1qv5vvk3v3fjny629n...65qhhvsxcshwc2av05n5	0.00176691
		bc1qmhq4sgtchfgh6ul7...3rsuegt55mef0zx3ehm2	15.94282816

+0.00176691 2 Confirmations

BTC Address Monitoring

Monitors List

Bitcoin address monitoring includes monitoring of transferring in or out, security monitoring, and unconfirmed transaction monitoring. When the monitoring conditions are triggered, an email notification or a review of the monitoring log will be sent. Security monitoring includes monitoring for canceled or overridden transactions to help users understand trading anomalies in a timely manner.

Monitor Address

bc1qv5vvk3v3fjny629nsl65qhhvsxcshwc2av05n5

Email Notice

kurt.caestecker@outlook.com

Monitor Type

Transaction action

- [x] Transfer in
- [x] Transfer out

Transaction Status

- [x] Confirmed
- [x] Unconfirmed txn
- [ ] Security Monitoring(Canceled, Overridden)

Monitoring Validity Period

- (•) 30 days
- ( ) 60 days
- ( ) 90 days

Quantity Range (Optional)

Minimum BTC — Maximum BTC

Monitor Remark (Optional)

Maximum 20 characters

Submit

Ads: Get OKX Wallet to securely manage and trade your crypto assets in one stop. Try the OKX Wallet

Address 335umQ4egqMjDo6wSXYwQZYPntZzMveNTJ Nested SegWit

This address is reported as Ponzi address. Please be aware of the risks! If you believe this is an error, please inform us.

Set your private label | # Ponzi | More | Historical balance

Overview

BTC balance
0 BTC

USDT balance
0 USDT

Inscription token holdings
0 tokens ($0)

Txn info

Total txns
22,764 Txn fees 12.39235674 BTC

Total inscription txns
8,787

Total UTXO holdings
0

First txn receiving UTXO
07/07/2020, 00:42:38

Asset allocation

Total asset value: $0

UTXO
--

Transactions | Token transfers | Token balance

Output txns
12,254 (799,138.55612149 BTC)

Input txns
10,515 (799,251.55612149 BTC)

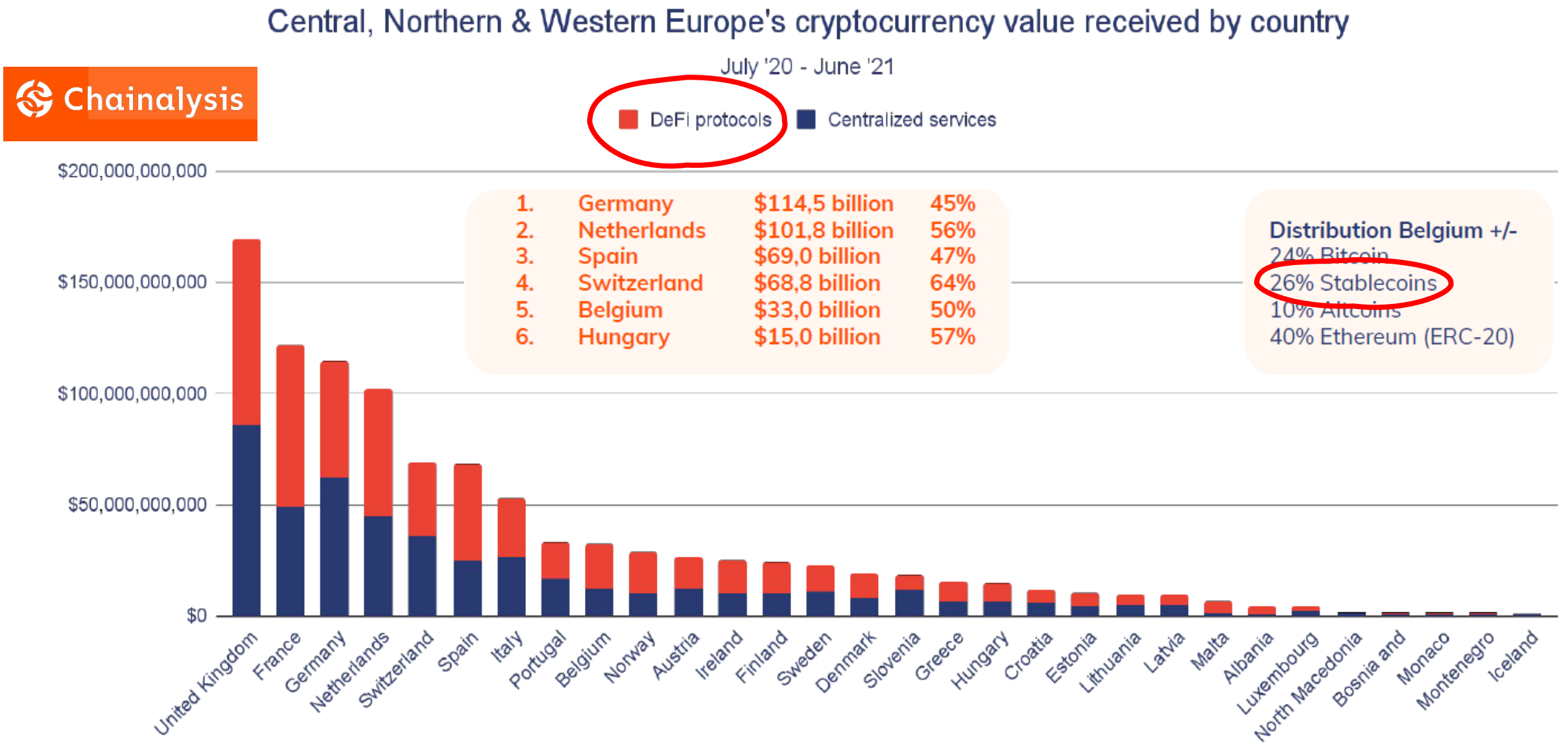
LET'S BREAK OUT!

Try to figure out what is going on!

Group 1 & 2: 12e77269f92ce650e5278fe45fddd203358e7e5b9d156a51d79348db77e340f9

Group 3 & 4: bc1qv5vvk3v3fjny629nsl65qhhvsxcshwc2av05n5

Your countries combined received $401 billion in estimated value between July ‘20 and June ‘21 (12 months)



A stablecoin is a class of cryptocurrencies that attemt to offer price stability and are backed by a reserve asset.

Stablecoin has gained attraction as they attempt to offer the best of both worlds. The instant processing and security or privacy of payments of cryptocurrencies, and the volatility-free stable valuation of fiat currencies!

STABLECOINS

There are 2 types of stablecoins:

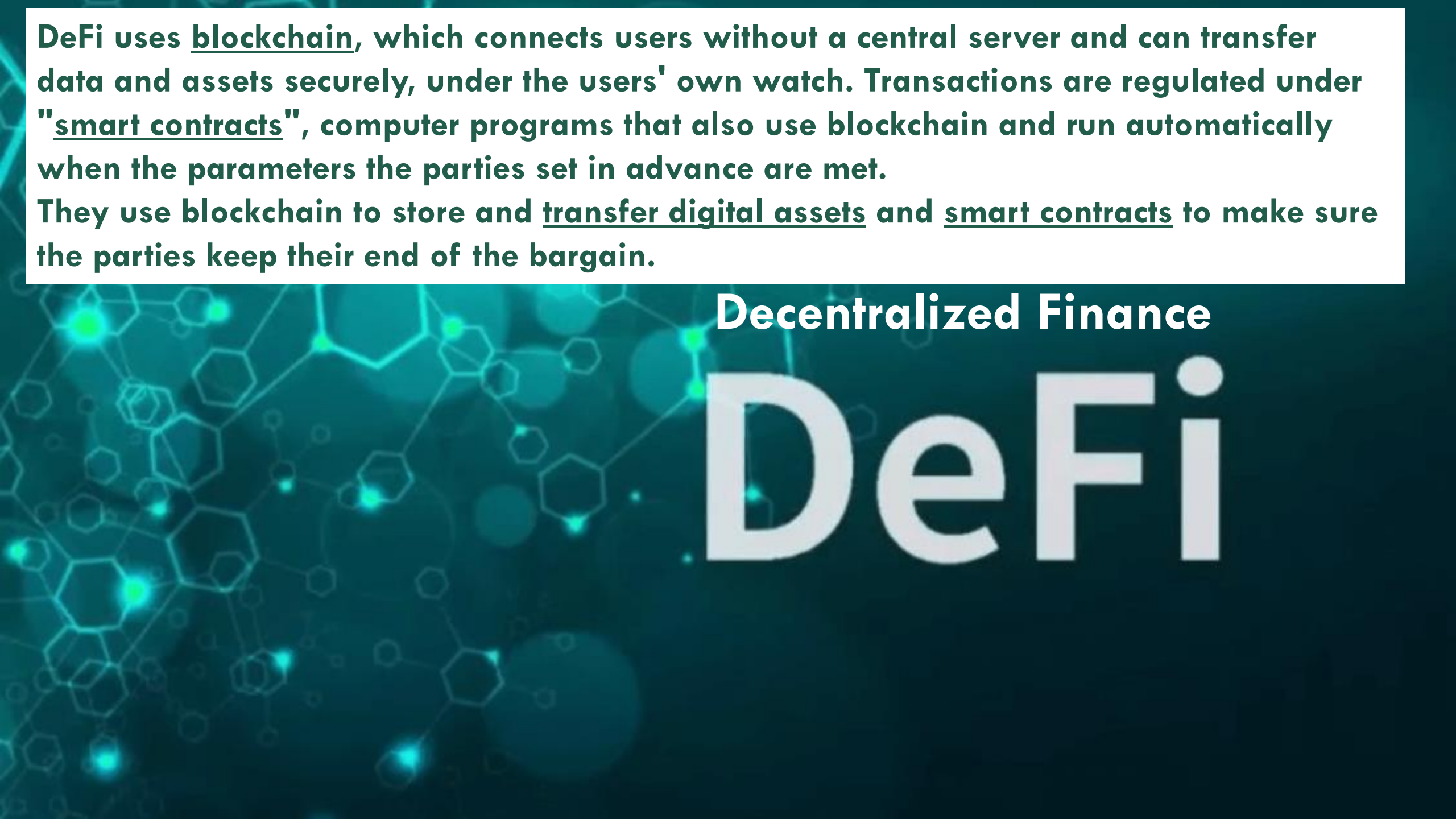
- Fiat collateralized stalbe coins maintain a fiat currency reserve (USDT, USDC)
- Crypto-collateralized stable coins are backed by other cryptocurrencies (DAI/ETH)

Decentralized Finance

DeFi

Decentralized finance (or "DeFi") is a financial ecosystem based on blockchain technology. It lets users buy and sell assets and financial services as a form of investment or financing without middlemen.

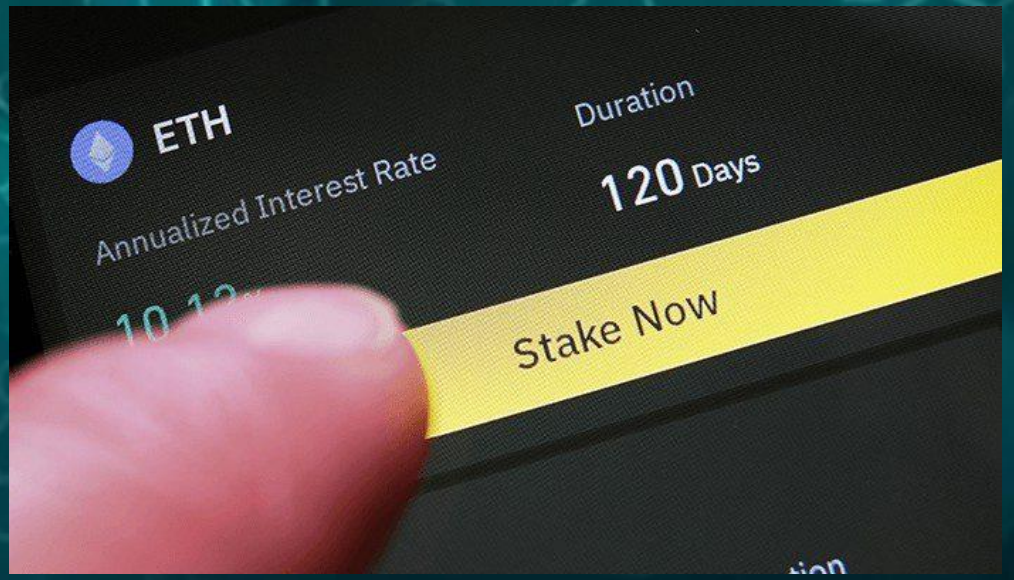
DeFi uses blockchain, which connects users without a central server and can transfer data and assets securely, under the users' own watch. Transactions are regulated under "smart contracts", computer programs that also use blockchain and run automatically when the parameters the parties set in advance are met.
They use blockchain to store and transfer digital assets and smart contracts to make sure the parties keep their end of the bargain.



What applications are there within DeFi?

Staking

Staking stands for: storing crypto coins in a wallet for a fixed period of time. By staking you earn a kind of interest that you get deposited in your wallet. The reward you earn from betting cryptocurrency depends on the length of time you hold it. The longer the betting time, the higher the return.It is similar to a fixed deposit in the traditional banking system that is rewarded at the end of the period with a defined interest rate, as stipulated in the contract.



Decentralized Finance

DeFi

What applications are there within DeFi?

Lending

Lending stands for (temporarily) lending your cryptocurrencies to a platform. This platform then grants loans to companies or private individuals, without the intervention of intermediaries. At the same time, the DeFi lending protocol makes it possible for anyone in the world, anywhere, to earn interest from crypto they lend.

Decentralized Finance

DeFi

1. STABLECOINS
- Stablecoin pegged to fiat (e.g., USD) to mitigate the volatility of digital assets
- Centralized (USDC, USDT) & decentralized stablecoins (DAI, ...)

2. BORROWING & LENDING
- Collateralization of digital assets to obtain loans
- Lend digital assets & earn interests
- Public accessibility

3. DECENTRALIZED EXCHANGES
- Exchanges fully on the blockchain, unlike centralized exchanges (e.g., Coinbase)
- Full control of private keys
- Public accessibility

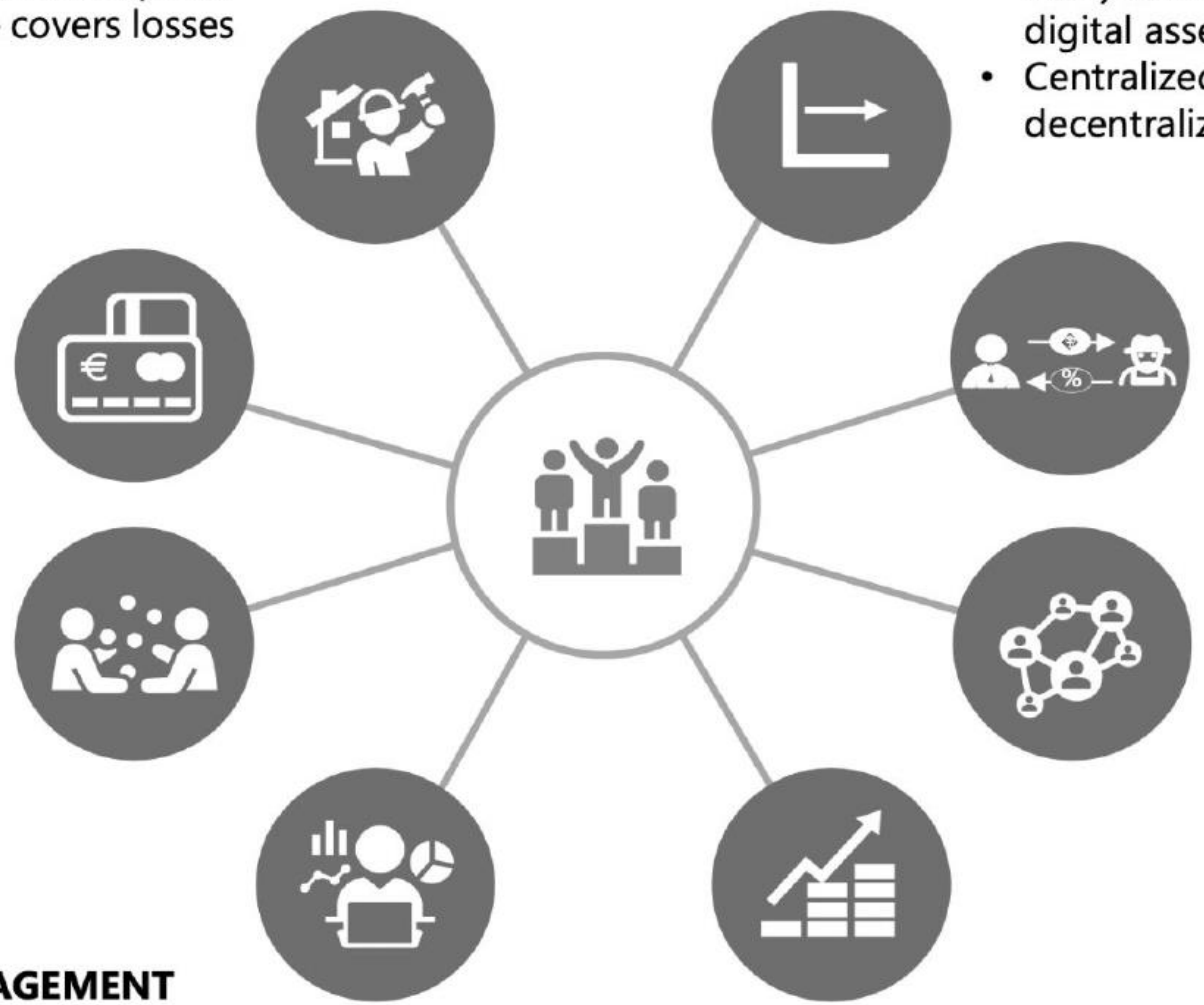
4. DERIVATIVES
- Possibility to trade with leverage
- Possibility to trade tokenized stocks
- Futures & Options
- Price provided by "oracles"

5. FUND MANAGEMENT
- Oversee & manage cash flow
- Passive and active management of investments into digital assets

6. LOTTERY AND GAMES
- Pooled capital into a smart contract
- Earn interests & give it to a winner

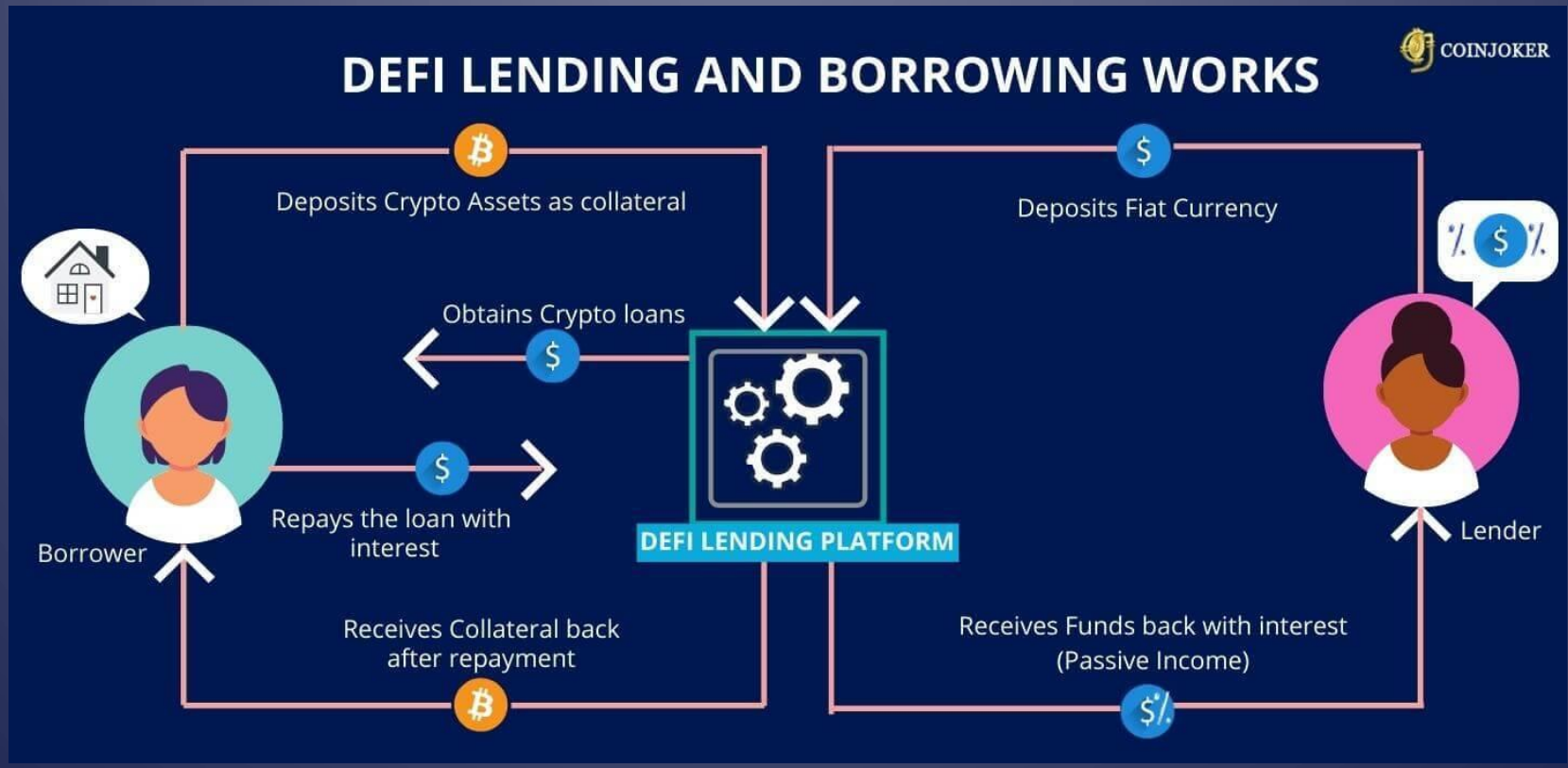
7. PAYMENTS
- Payments as streams
- Pay-as-you-use

8. INSURANCE
- Smart contract exploits
- Insurance covers losses



Source: Schellinger 2021

DECENTRALIZED FINANCE



Asset Recovery
COURT HEARING
to the Sheriff of
COUNTY
County

CONSIDERATIONS PRIOR TO SCENE ATTENDANCE

- WHAT INTELLIGENCE HAS BEEN RECEIVED INDICATING THE SUSPECTS INVOLVEMENT IN POSSESSION/USE OF CRYPTOCURRENCY?
- HOW IS CRYPTOCURRENCY USED IN THE CRIMINAL ACTIVITY IDENTIFIED? WHAT POTENTIAL INSIGHTS DOES THIS PROVIDE ON HOW CRYPTOCURRENCY WILL BE STORED BY THE SUSPECT?
- WHAT SECURITY MEASURES MAY THE SUSPECT HAVE PUT IN PLACE? WHAT OPPORTUNITIES ARE THERE TO OVERCOME THESE?
- HOW WILL WE AIM TO IDENTIFY CRYPTOCURRENCY ASSETS HELD BY THE SUSPECT?

  E.G. COMPUTER EXAMINATIONS, MOBILE PHONE SEIZURE, SEARCHES FOR RECOVERY SEEDS AND HARDWARE WALLETS

- WHAT TOOLS AND PROCESSES WILL BE USED TO CONFIRM WHAT ASSETS ARE HELD BY THE SUSPECT?

  E.G. SEARCHES OF ADDRESSES ON WEBSITES, USING RECOVERY SEEDS, OPENING WALLET SOFTWARE ON DEVICES.

- WHAT EQUIPMENT IS NEEDED TO SUCCESSFULLY COMPLETE A SEIZURE IN THE CIRCUMSTANCES?
- CAN WE GUARANTEE ACCESS TO THE INTERNET?

Is asset at risk of dispersal?

YES

Document reasons why risk is present

Identify storage mechanism for asset

Does the asset need to be transferred into police custody? What legislative power is required to do this?

Move to seizure work flow

NO

Document rationale, current value in fiat and number of tokens, class of asset, transaction history and addresses related to assets

If privacy related token look to export private view key to facilitate the above

Complete a statement above and inform Financial Investigators

VIRTUAL CURRENCY SEIZURE

Seizure at scene of physical entity containing keys to cryptocurrency assets.

1. Seize the medium containing the private key/recovery seed. This can be paper wallets, hardware wallets, written records of recovery seeds etc.

2. Seize the passwords/codes related to wallets. Consider any 2FA devices which might be required

3. If any public keys/asset addresses are visible check for values on a block explorer. Record these and any transaction history displayed.

4. When placing passwords/codes, paper wallets and private keys/recovery seeds in exhibit bags ensure they have been placed in an envelope first. This envelope should be sealed at this point.

5.Exhibits should be brought to a safe place such as a virtual currency safe at a secure location as soon as possible.

Inform Financial Investigators of seizure

HM Revenue & Customs

POINTS TO CONSIDER

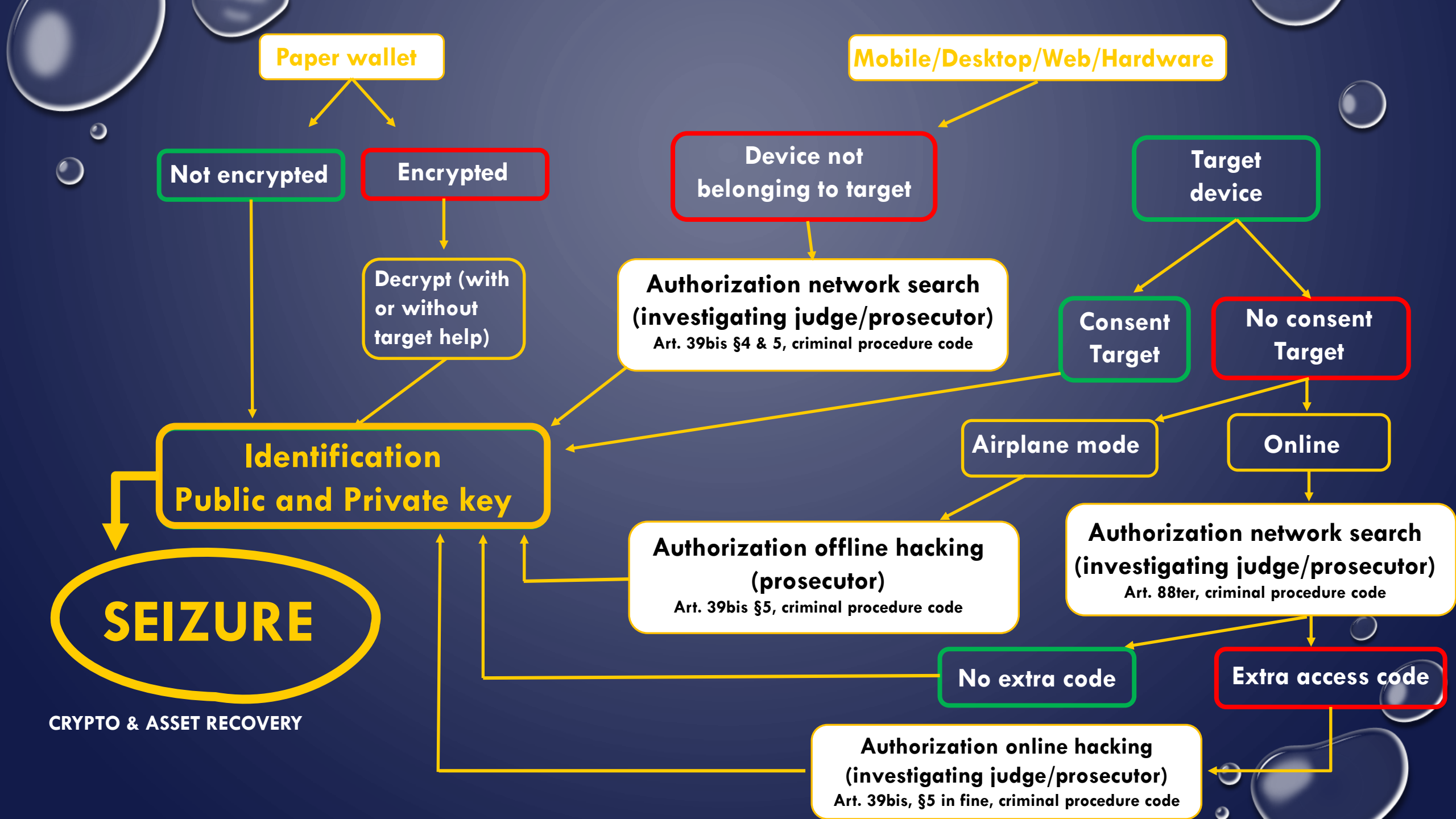
It will not always be necessary or advantageous to seize the cryptocurrency asset. It might be of such limited value that it does not seem appropriate to seize. Alternatively we may feel other actions we have taken has sufficiently secured the asset. This is a discretionary decision for the individual completing the process. However it is important on each occasion to provide a clear policy log detailed the rationale for decisions made.

It is necessary on ever occasion to fully record the transaction history, addresses linked to the wallet and amount of cryptocurrency remaining. The matter can then be discussed with FI's at a later point to identify if there are any proceeds of crime opportunities over historic values or holdings of the asset etc.

Some wallet applications may have different transaction histories, transparent and shielded. Always check for this. It's possible that hardware wallets will have hidden accounts on them. These usually have a 25 word recovery seed. Check the scene for anything of this nature to help identify this.

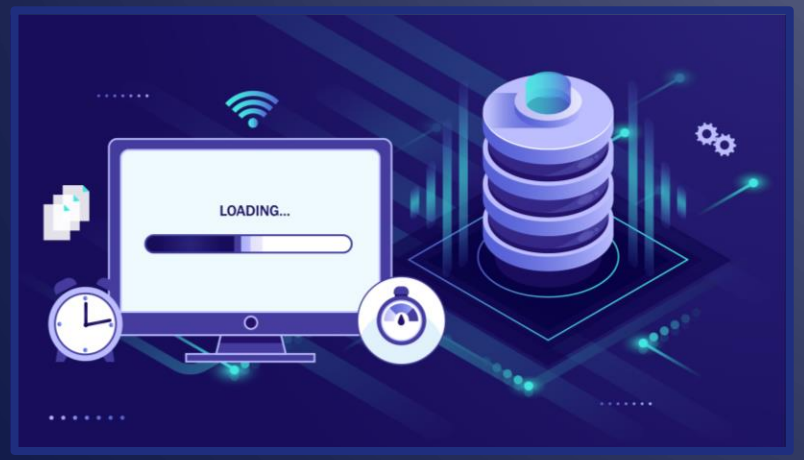
POINTS TO CONSIDER

- PLANNING AN INVESTIGATION STRATEGY IS AN IMPORTANT PART OF EFFECTIVELY INVESTIGATING SUCH OFFENCES. AS THE SAYING GOES FAIL TO PREPARE, PREPARE TO FAIL!
- THIS EXERCISE SHOWS HOW BLOCKCHAIN ANALYSIS IS NOT A SIMPLE SUBJECT. THERE IS A LOT OF NUANCE AND IT IS NOT A QUICK ENQUIRY. THIS IS WHY IT IS IMPORTANT TO HAVE A PROCESS THAT ALLOWS YOU TO REVISIT INFORMATION AND SPEND TIME ANALYSING IT. THE INVESTIGATION STRATEGY ALSO NEEDS TO RECOGNISE THIS AND SEEK TO EXPLORE EVERY OPTION AVAILABLE TO PROGRESS THE CASE.
- IT ALSO SHOWS HOW QUICKLY YOU COULD GET LOST AS ANALYSING OVER 4,000 TRANSACTIONS IS NOT EASY! THIS IS WHY PARAMETERS ARE IMPORTANT. ALSO IDENTIFYING TECHNOLOGY WHICH CAN HELP WITH ANALYSIS IS KEY TO GETTING THE BEST EVIDENCE OUT OF SUCH ENQUIRIES.
- THERE ARE POSITIVES IN COMPLETING BLOCKCHAIN ANALYSIS IF IT CAN BE MANAGED EFFECTIVELY. IT CAN HELP WITH IDENTIFYING SIGNIFICANT EVIDENCE FOR MONEY LAUNDERING INVESTIGATIONS. WE CAN TELL HOW MUCH HAS GONE TO AN ACCOUNT, HOW REGULAR ACTIVITY HAS BEEN, WE CAN USE DATES/TIMES TO COMPARE AGAINST OTHER RELEVANT INFORMATION E.G. TIMES OF OFFENCE OR BANK STATEMENTS.


Paper wallet
Mobile/Desktop/Web/Hardware
Not encrypted
Encrypted
Device not belonging to target
Target device
Decrypt (with or without target help)
Authorization network search (investigating judge/prosecutor)
Art. 39bis §4 & 5, criminal procedure code
Consent Target
No consent Target
Identification Public and Private key
Airplane mode
Online
SEIZURE
Authorization offline hacking (prosecutor)
Art. 39bis §5, criminal procedure code
Authorization network search (investigating judge/prosecutor)
Art. 88ter, criminal procedure code
No extra code
Extra access code
Authorization online hacking (investigating judge/prosecutor)
Art. 39bis, §5 in fine, criminal procedure code
CRYPTO & ASSET RECOVERY

CRYPTO & ASSET RECOVERY

Central Agency for Seizure and Confiscation



Speed is of the essence!

If the suspect or third parties have a copy of the private key, they can quickly transfer the crypto.

When using a crypto platform: freeze funds so that the suspect can no longer carry out a transfer.

The seizure completed only after mandatory transfer of the crypto by the police to the public address of Central Agency for Seizure and Confiscation!

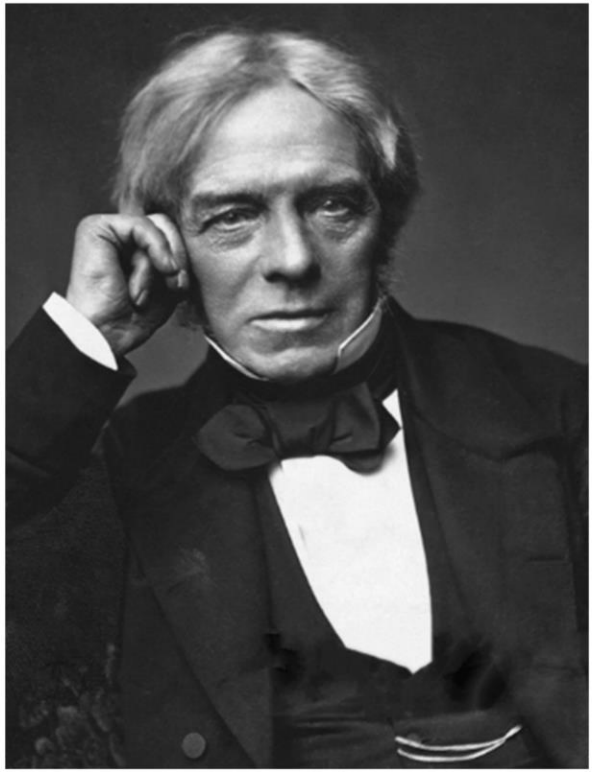
Cryptocurrency seizing

STATE OF PLAY AND BEST PRACTICES

SEPTEMBER 2024

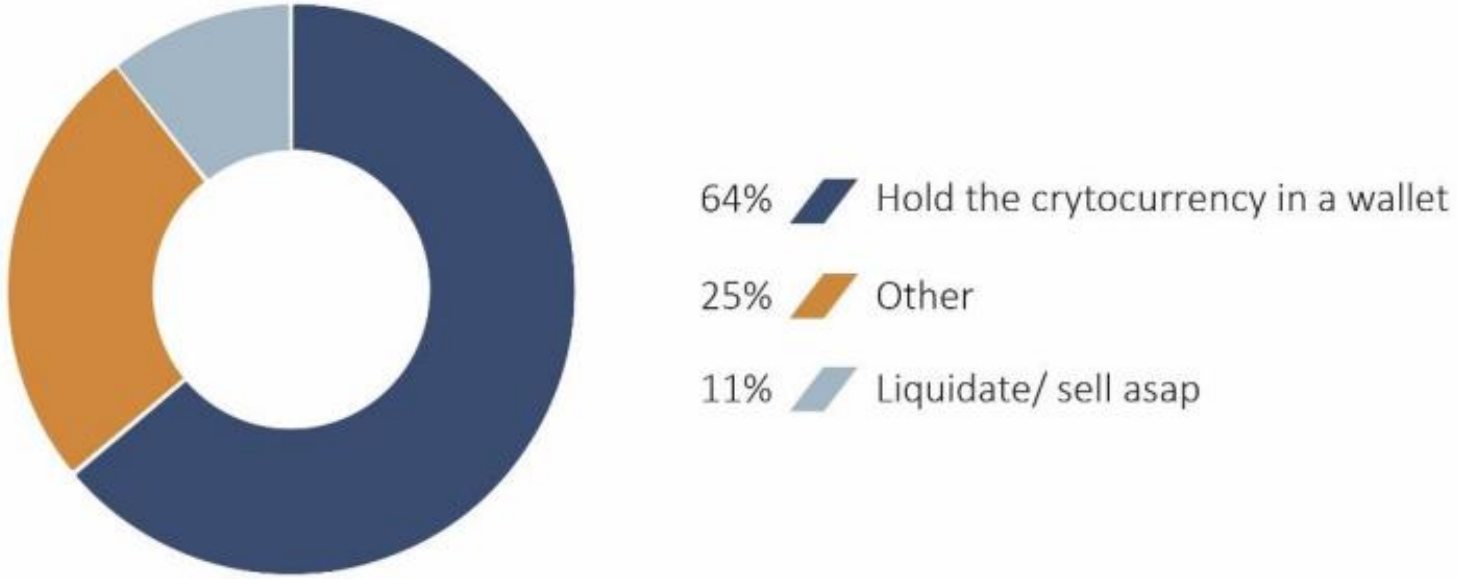
EUROPOL

Ticonn



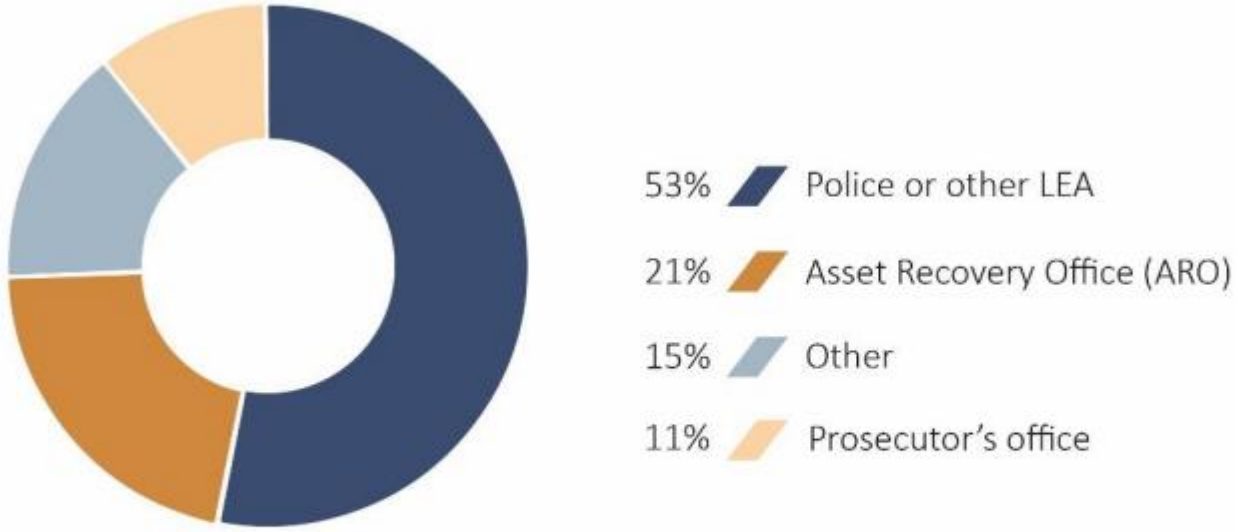
Faraday Bag
Faraday Bag
Faraday Bag
Faraday Bag

How does your agency deal with seized (criminal) cryptocurrency?



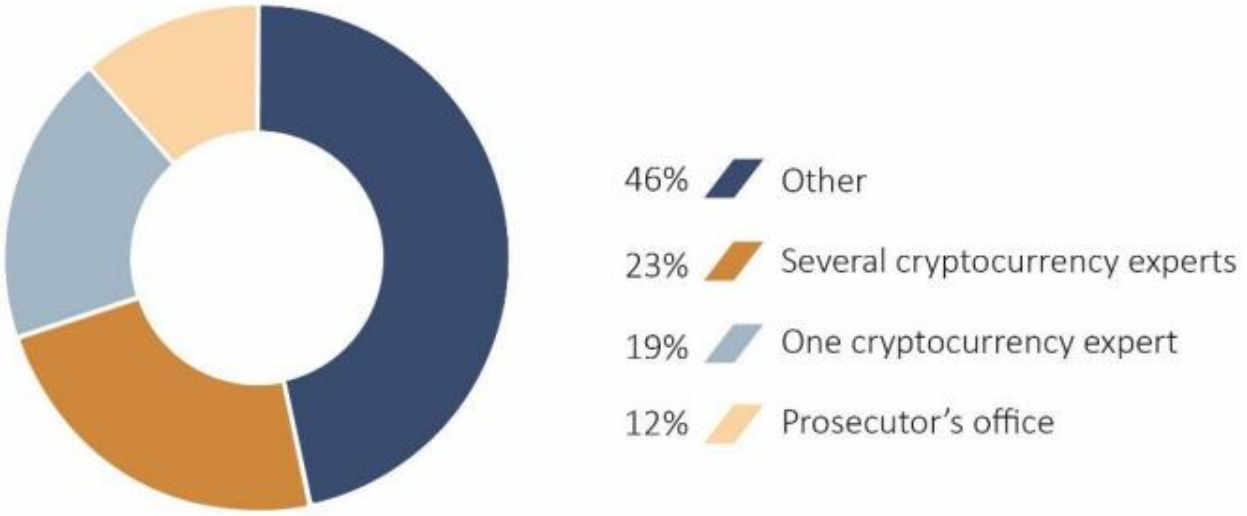
This graph shows what LEAs do with cryptocurrency after seizing it from a suspect.

What organisation in your country is responsible for selling seized crytocurrency?



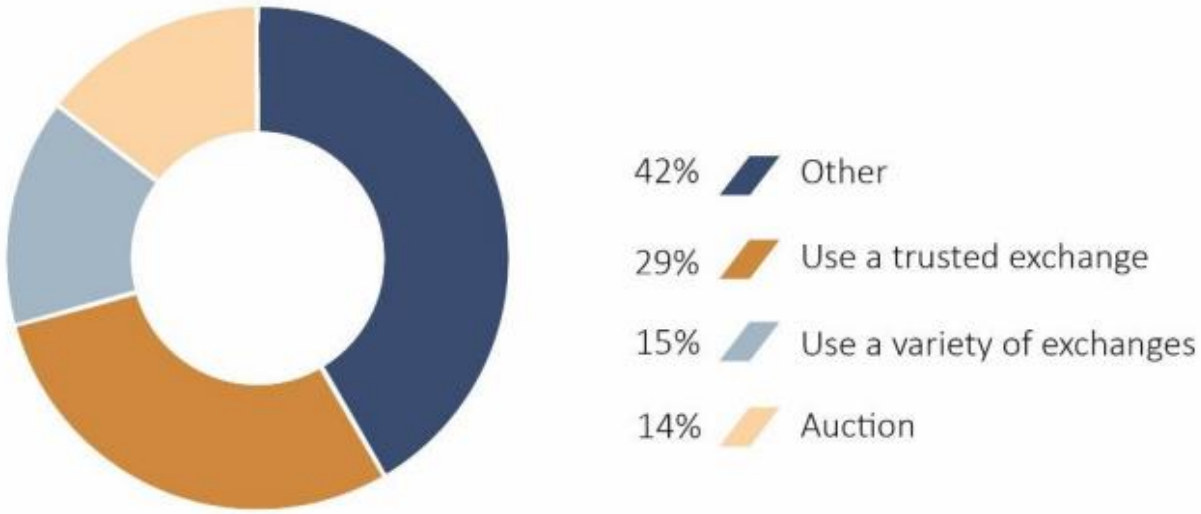
This graph shows which agencies are responsible for selling cryptocurrency after it has been seized from a suspect.

Who is responsible for storing private keys / seed phrases?



This graph shows what individuals or agencies are responsible for storing cryptocurrency after it has been seized.

If seized cryptocurrency are liquidated / sold how is this done?



This graph shows what entities and methods LEAs use in selling or liquidating seized cryptocurrency.

ethereum

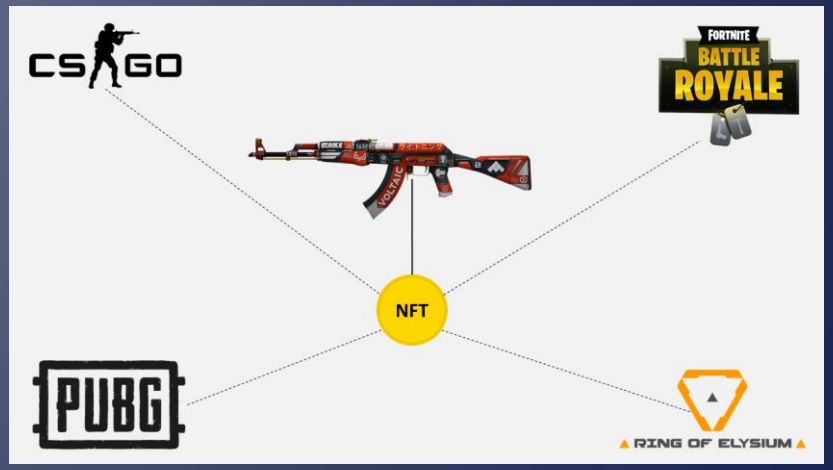
WHAT IS A NFT?

NFT'S EXPLAINED

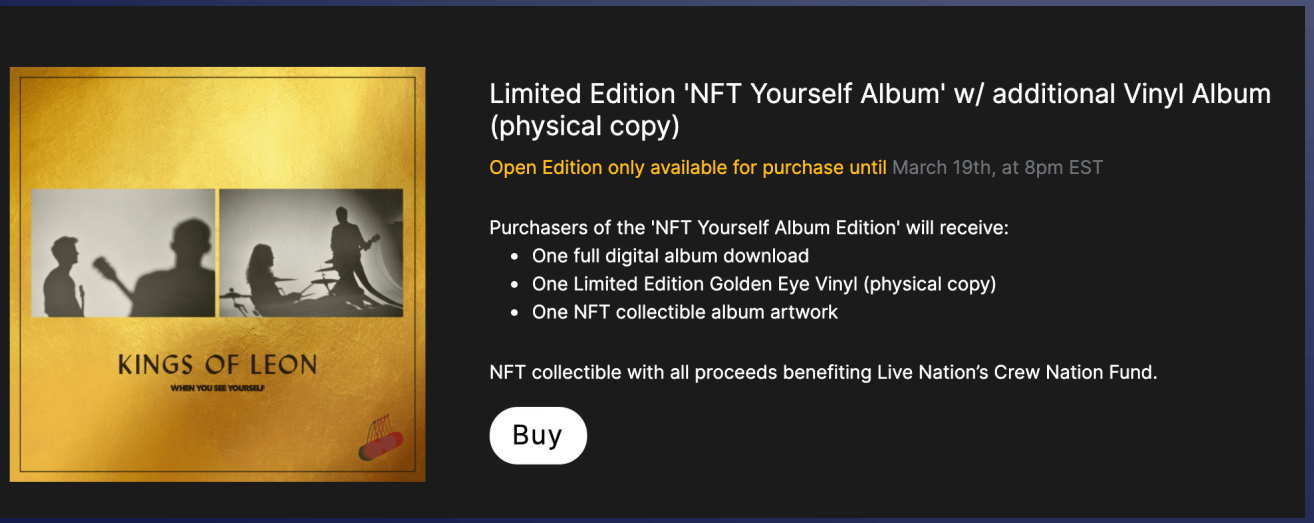
NFT stands for **'non-fungible token'**.
A NFT is a digital asset that links ownership to **unique physical or digital objects!**

Art

Real estate



Gaming



Music

NFT'S EXPLAINED

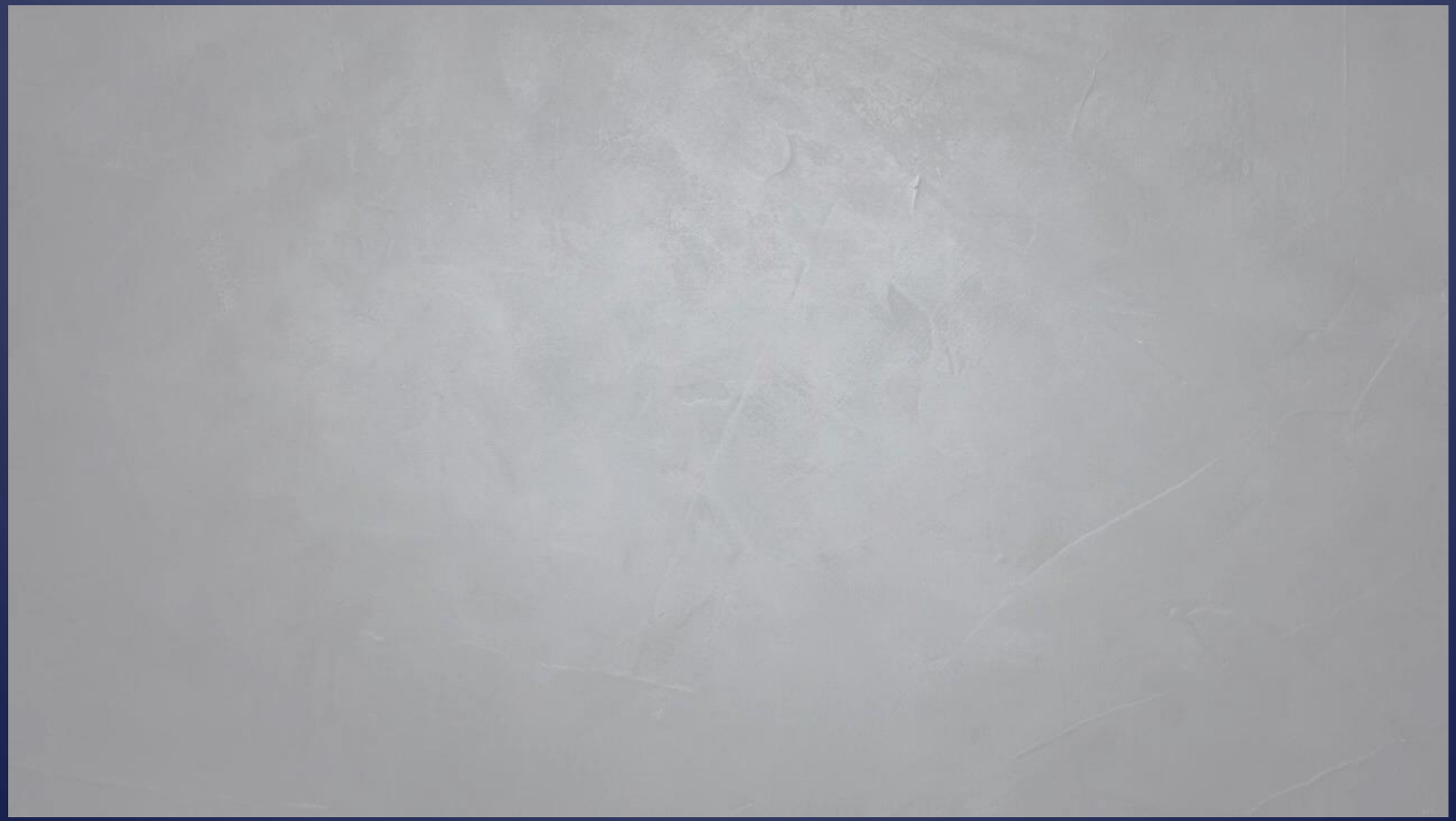
NFTs are sold **online,** via cryptocurrencies, and are the **digital proof of ownership** of an item.

NFTs are recorded on the **blockchain,** which ensures that the asset is **unique.**

NFT-projecten: Bored Ape Yacht Club, Meebits, Mutant Ape Yacht Club, RTFKT Clone X, Azuki

The **blockchain technology** ensures that the NFT cannot be changed or falsified. The registration on the **blockchain** is tied to a digital wallet. Theis crypto wallet contains a digital key with which you can prove that the NFT is your property.

NFT'S EXPLAINED



NFT'S EXPLAINED

Smart contracts:

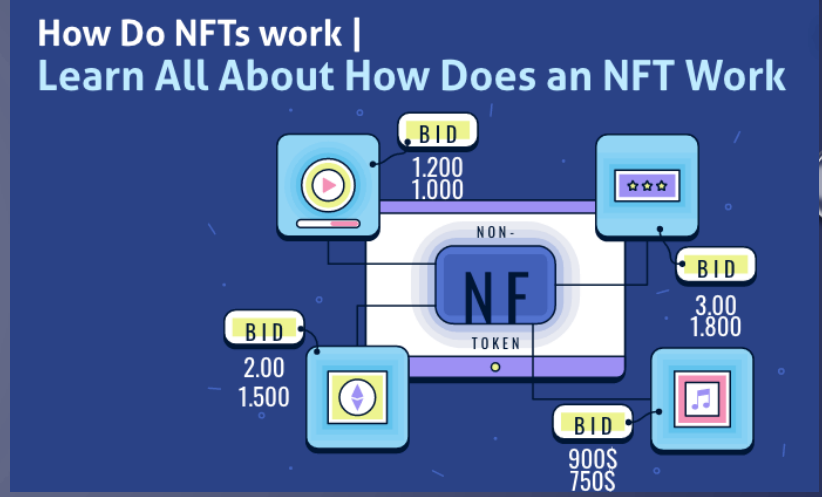
A **smart contract** is a piece of a code with which certain information is stored on the **blockchain**.

Smart contract are supported by multiple blockchains like, Ethereum, Solana, Tezos, Binance Smart Chain, etc.

A **smart contract** regulates 2 actions:

- Verifying ownership;
- Ensure that it is possible to tranfer the NFT.

The **smart contract** ensures that the transaction is only executed when the predefined conditions are met and verified.



Voor NFT smart contracten wordt een ERC-721 of ERC 115 contract gebruikt.

NFT PLATFORMS

Artists can offer NFTs for sale on these platforms/markets.

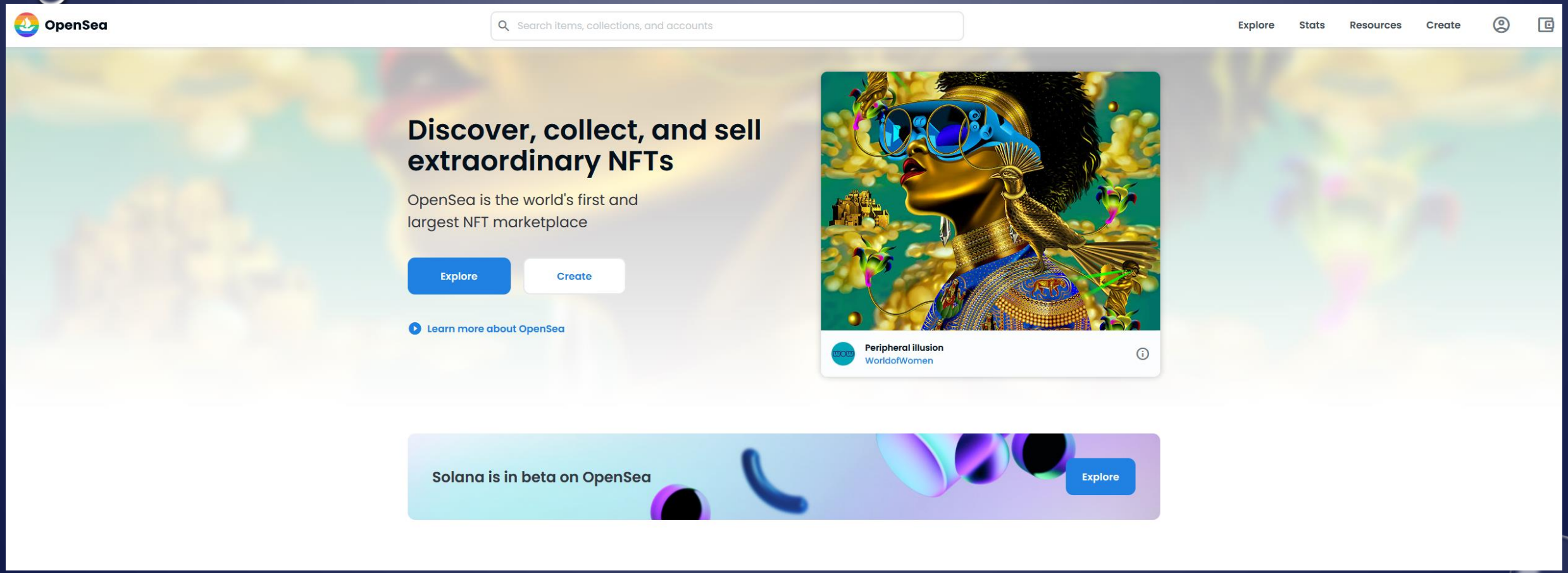
Buyers can then search the platform and buy the item of their choice.

This is usually done by bidding!

OpenSea has processed more than 10 billion dollar in transactions since its launch in 2017.

NFT PLATFORMS

OpenSea



NFT PLATFORMS

OpenSea

OpenSea

Search items, collections, and accounts

Explore | Stats | Resources | Create

Explore Collections

Trending | Top | Art | Collectibles | Domain Names | Music | Photography | Sports | Trading Cards | Utility | Virtual Worlds

CryptoPunks

CryptoPunks launched as a fixed set of 10,000 items in mid-2017 and became one of the inspirations f...

Bored Ape Yacht Club

The Bored Ape Yacht Club is a collection of 10,000 unique Bored Ape NFTs— unique digital...

Otherdeed for Otherside
by OthersideMeta

Otherdeed is the key to claiming land in Otherside. Each have a unique blend of environment an...

Mutant Ape Yacht Club
by A858DD

The MUTANT APE YACHT CLUB is a collection of up to 20,000 Mutant Apes that can only be created by...

Primates
by ThePrimates

Primates is a project built for the community, by the community. The goal of Primates is to create a...

CLONE X - X TAKASHI M...
by RTFKTCLONEXTM

CLONE X
20,000 next-gen Avatars, by RTFKT and Takashi Murakami

goblintown.wtf
by kingofthegoblin

AAAAAAAUUUUUGGGHHHHH gobblins goblinns GOBLINNNNNNNNs wekm ta...

RRBAYC.com

RR/BAYC
by ryder_ripps

you can't copy an NFT. conceptual art by Ryder Ripps learn about the truth of BAYC at...

Moonbirds
by PROOF_XYZ

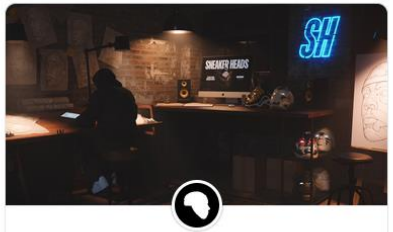
A collection of 10,000 utility-enabled PFPs that feature a richly diverse and unique pool of rarity-...

Art Blocks Curated
by ArtBlocks_Admin

Art Blocks Curated is the most strictly curated offering in the Art Blocks product suite. Submission...

Azuki
by TeamAzuki

Take the red bean to join the garden. View the collection at [azuki.com/gallery](https:...



SNEAKER HEADS Official
by Sneakerheads_xyz

Sneakerheads is a collection of 5000 unique NFTs designed by legendary artist and founder Ali...

NFT PLATFORMS

OpenSea

The Chainsmokers - S...
by royal-official

This album is for our fans - all of you who supported us, came to a show, streamed a song, liked a p...

Snoop Dogg on Sound ...
by DEATHROWNFT

Created by Snoop Dogg on Sound. Leave a comment on the song at https://www.sound.xyz/snoopdogg

Roberto Carlos x Sport...
by sportsicon

The most attacking left-back in the history of soccer comes to Sportsicon. Just under 1000...

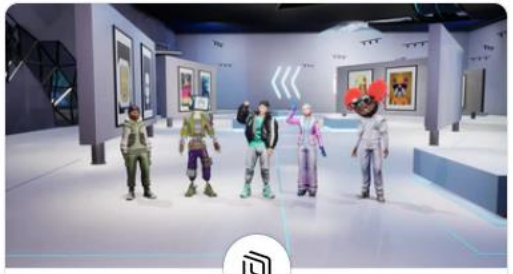
The Association
by NBA

A collection of dynamic NFTs that change in appearance over time based on player and team on-...

EROTIC PINK NFT

Erotic Pink NFT
by NFTerotic

EROTIC PINK
Limited Edition Collection of 301 Cards....



Spatial X
by Spatial_io

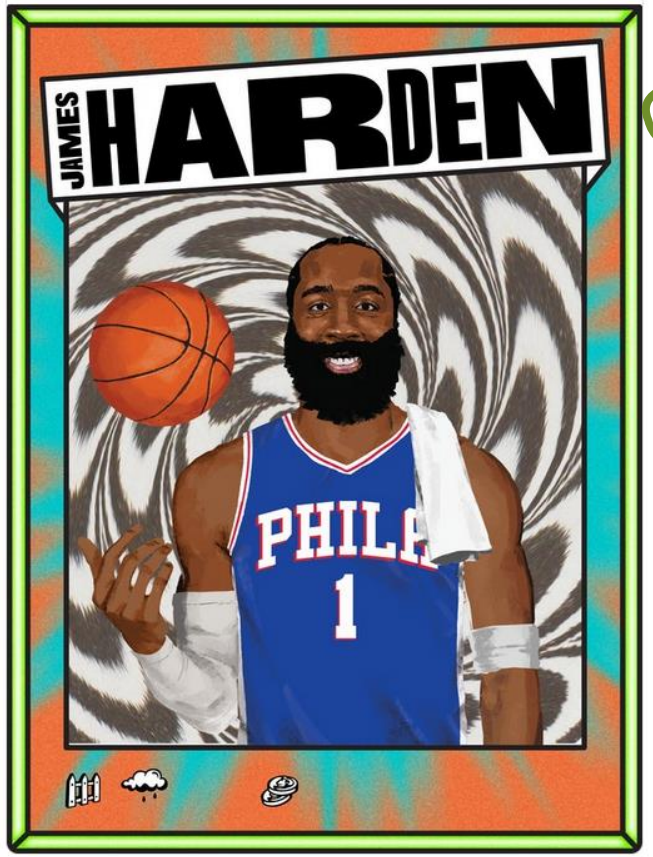
Spatial is the Metaverse for culture where artists and organizers are empowered to create the world ...

NFT PLATFORMS

OpenSea

NFT PLATFORMS

OpenSea



The Association

The Association NFT #20716

Owned by WhaleMfer · 147 views · 7 favorites

Sale ends June 21, 2022 at 8:38pm GMT+2

05	35	40
Hours	Minutes	Seconds

Current price

0,13 ($146,78)

Buy now | Make offer

Price History

All time

All time avg. price
Ξ0,35

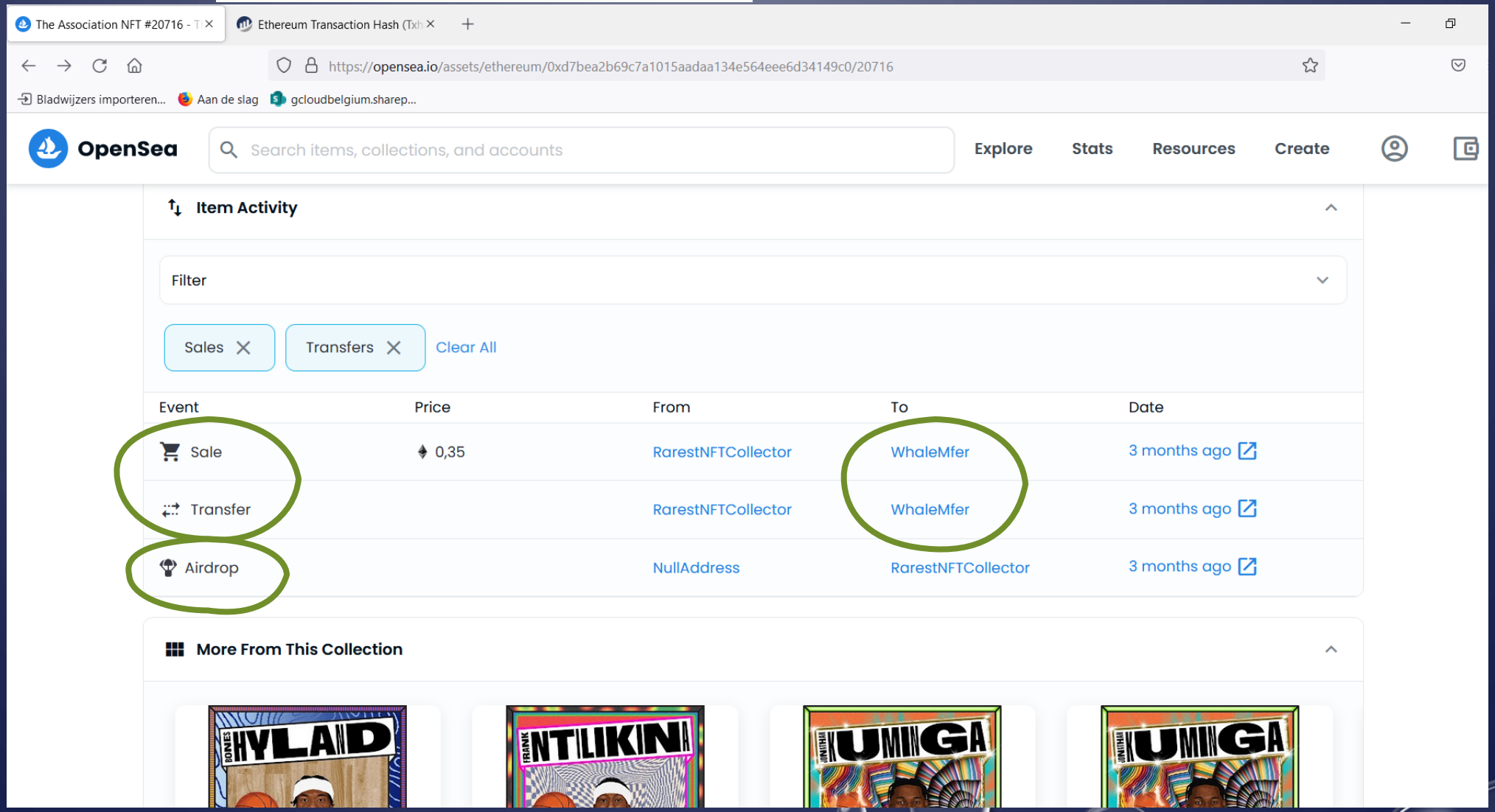
Listings

Description

By **EtherCardsPlatform**
The Association is a collection of dynamic NFTs by the NBA and NBPA. Please read the NFT terms and conditions here:
https://theassociationnft.com/nft-terms-and-conditions

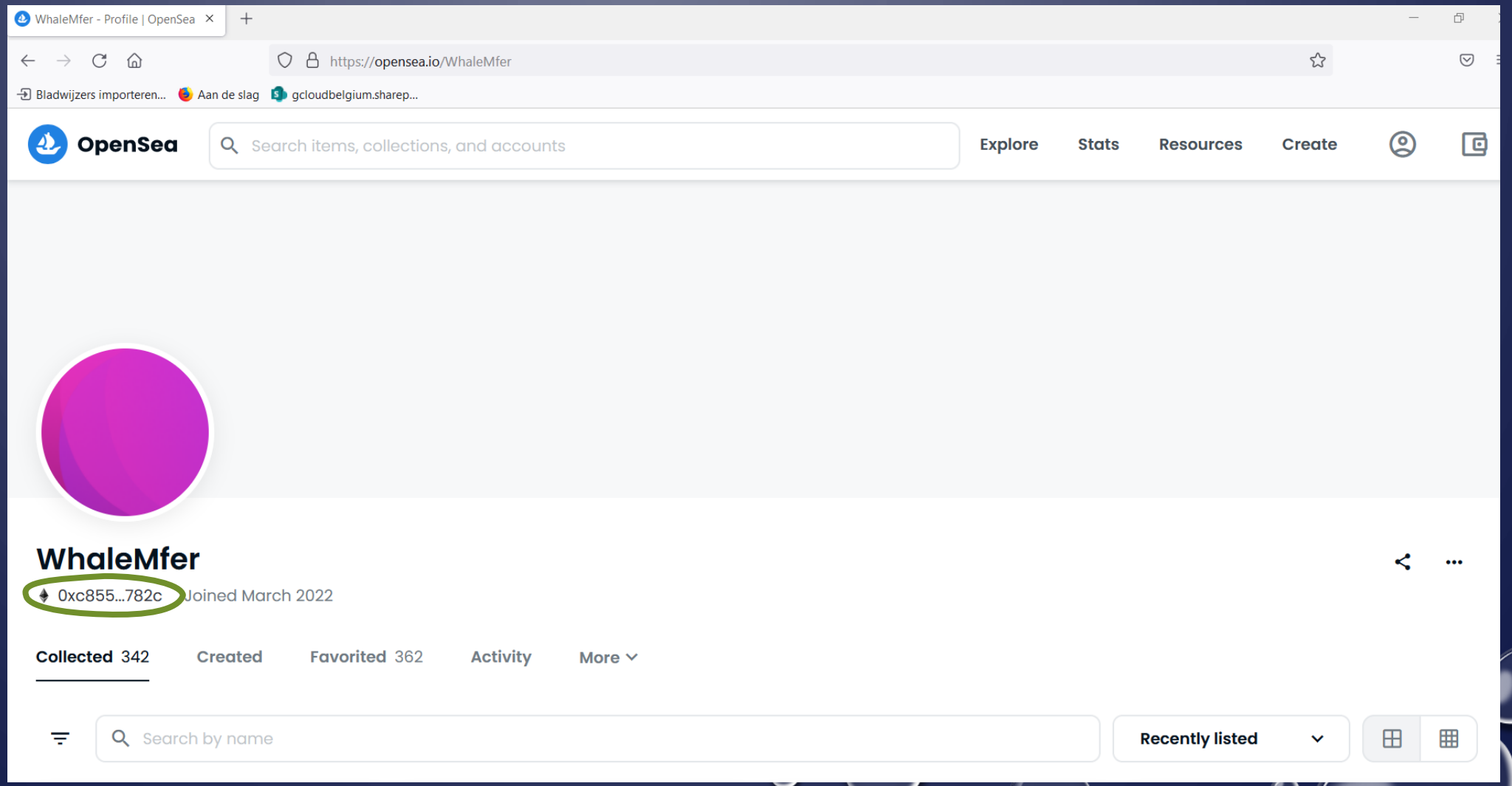
A crypto airdrop is **a marketing tactic where developers of a specific blockchain project send free tokens to users**. New projects use this strategy to **promote themselves prior to the official launching date.**

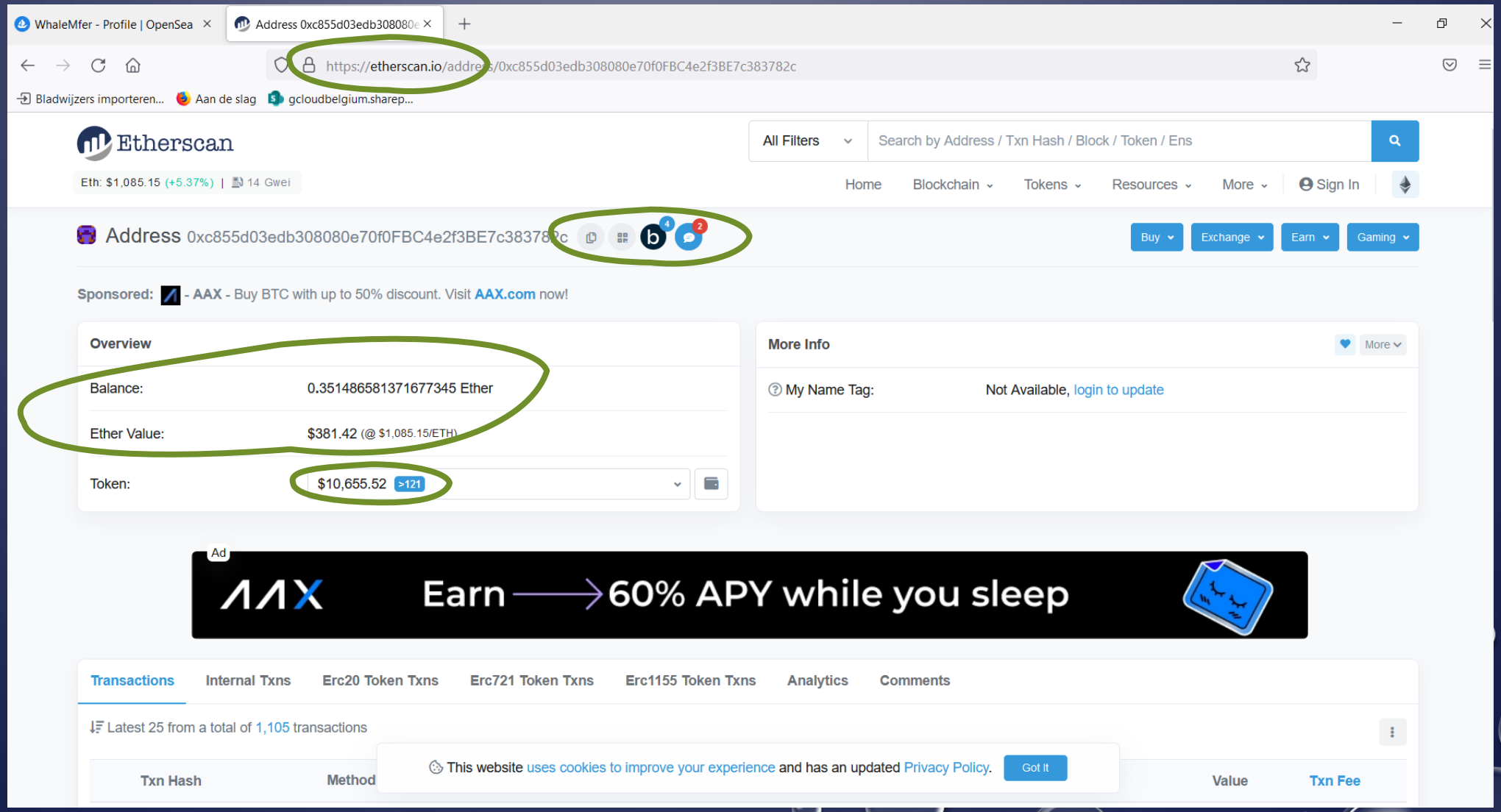
Startups use both **crypto airdrops and NFT airdrops to create buzz**. It also increases awareness about their non-fungible token (NFT) collection or cryptocurrency. Airdrops can also boost the price of a token if there is a lot of publicity.

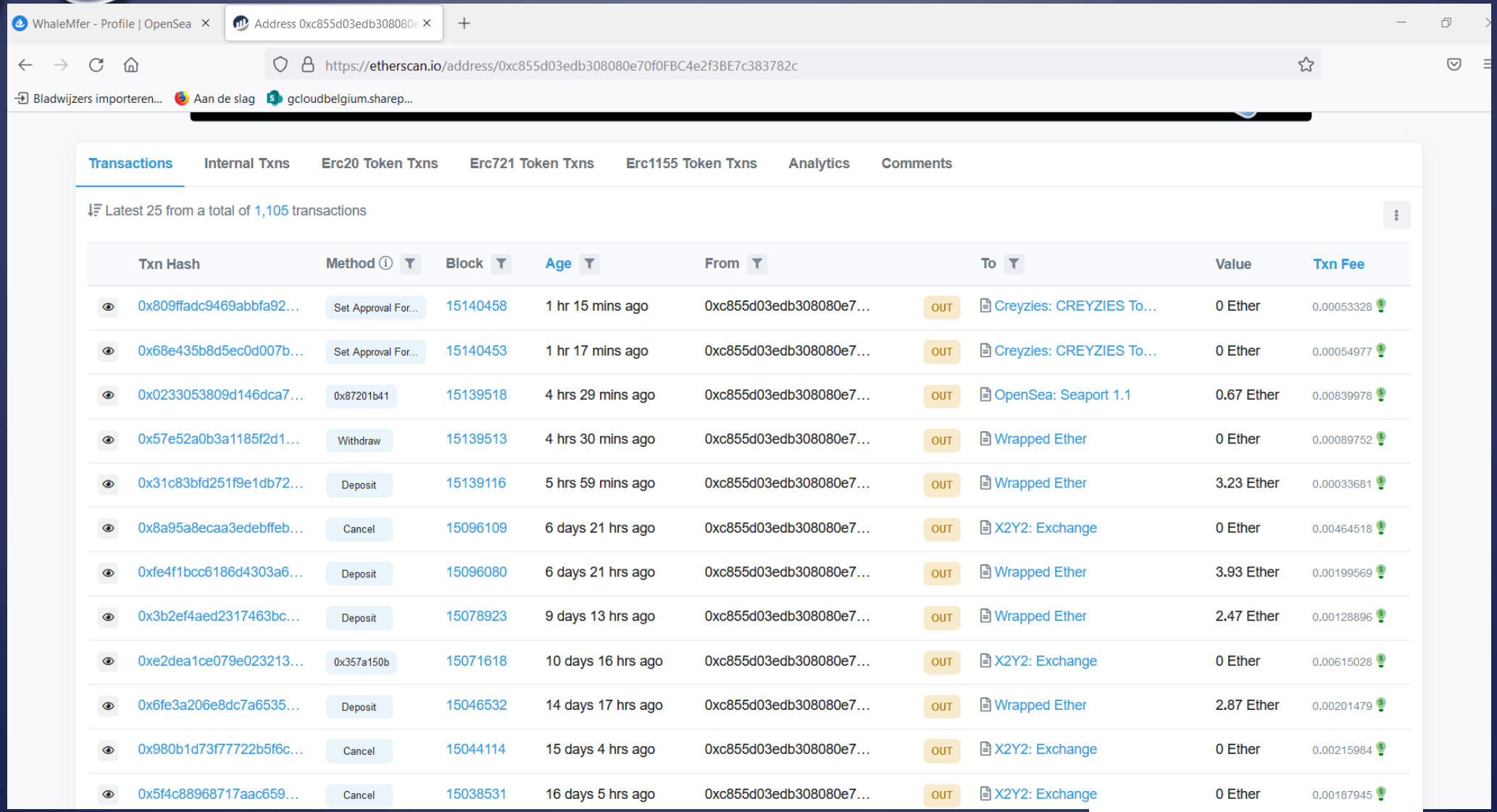


NFT PLATFORMS

OpenSea




WhaleMfer - Profile | OpenSea
Address 0xc855d03edb308080e
https://etherscan.io/address/0xc855d03edb308080e70f0FBC4e2f3BE7c383782c
Bladwijzers importeren...
Aan de slag
gcloudbelgium.sharep...
Etherscan
All Filters
Search by Address / Txn Hash / Block / Token / Ens
Eth: $1,085.15 (+5.37%) | 14 Gwei
Home
Blockchain
Tokens
Resources
More
Sign In
Address 0xc855d03edb308080e70f0FBC4e2f3BE7c383782c
Buy
Exchange
Earn
Gaming
Sponsored: - AAX - Buy BTC with up to 50% discount. Visit AAX.com now!
Overview
Balance: 0.351486581371677345 Ether
Ether Value: $381.42 (@ $1,085.15/ETH)
Token: $10,655.52 >121
More Info
More
My Name Tag: Not Available, login to update
Ad
AAX
Earn → 60% APY while you sleep
Transactions
Internal Txns
Erc20 Token Txns
Erc721 Token Txns
Erc1155 Token Txns
Analytics
Comments
Latest 25 from a total of 1,105 transactions
This website uses cookies to improve your experience and has an updated Privacy Policy.
Got it
Txn Hash
Method
Value
Txn Fee


WhaleMfer - Profile | OpenSea
Address 0xc855d03edb308080e
https://etherscan.io/address/0xc855d03edb308080e70f0FBC4e2f3BE7c383782c
Bladwijzers importeren...
Aan de slag
gcloudbelgium.sharep...
Transactions
Internal Txns
Erc20 Token Txns
Erc721 Token Txns
Erc1155 Token Txns
Analytics
Comments
Latest 25 from a total of 1,105 transactions
Txn Hash
Method
Block
Age
From
To
Value
Txn Fee
0x809ffadc9469abbfa92…
Set Approval For...
15140458
1 hr 15 mins ago
0xc855d03edb308080e7…
OUT
Creyzies: CREYZIES To…
0 Ether
0.00053328
0x68e435b8d5ec0d007b…
Set Approval For...
15140453
1 hr 17 mins ago
0xc855d03edb308080e7…
OUT
Creyzies: CREYZIES To…
0 Ether
0.00054977
0x0233053809d146dca7…
0x87201b41
15139518
4 hrs 29 mins ago
0xc855d03edb308080e7…
OUT
OpenSea: Seaport 1.1
0.67 Ether
0.00839978
0x57e52a0b3a1185f2d1…
Withdraw
15139513
4 hrs 30 mins ago
0xc855d03edb308080e7…
OUT
Wrapped Ether
0 Ether
0.00089752
0x31c83bfd251f9e1db72…
Deposit
15139116
5 hrs 59 mins ago
0xc855d03edb308080e7…
OUT
Wrapped Ether
3.23 Ether
0.00033681
0x8a95a8ecaa3edebffeb…
Cancel
15096109
6 days 21 hrs ago
0xc855d03edb308080e7…
OUT
X2Y2: Exchange
0 Ether
0.00464518
0xfe4f1bcc6186d4303a6…
Deposit
15096080
6 days 21 hrs ago
0xc855d03edb308080e7…
OUT
Wrapped Ether
3.93 Ether
0.00199569
0x3b2ef4aed2317463bc…
Deposit
15078923
9 days 13 hrs ago
0xc855d03edb308080e7…
OUT
Wrapped Ether
2.47 Ether
0.00128896
0xe2dea1ce079e023213…
0x357a150b
15071618
10 days 16 hrs ago
0xc855d03edb308080e7…
OUT
X2Y2: Exchange
0 Ether
0.00615028
0x6fe3a206e8dc7a6535…
Deposit
15046532
14 days 17 hrs ago
0xc855d03edb308080e7…
OUT
Wrapped Ether
2.87 Ether
0.00201479
0x980b1d73f77722b5f6c…
Cancel
15044114
15 days 4 hrs ago
0xc855d03edb308080e7…
OUT
X2Y2: Exchange
0 Ether
0.00215984
0x5f4c88968717aac659…
Cancel
15038531
16 days 5 hrs ago
0xc855d03edb308080e7…
OUT
X2Y2: Exchange
0 Ether
0.00187945
[Download CSV Export]

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Txhash	Blockno	UnixTim	DateTime	From	To	ContractAddre	Value_IN(ETH)	Value_OUT(ETH)	CurrentValue @ $1085.9/E	TxnFee(ETH)	TxnFee(USD)	Historic	Status	ErrCode	Method	
2	0x858af4ac37113c33f40453286638 0f7d4fbe440eb13c461b7563a08b4ee2e	1E+07	2E+09	20/03/2022 1:14	0xf6cd827d51ecae00641dbae59ad2aca4c83a3d9c	0xc855d03edb308080e70f0fbc4e2f3be7c383782c		0.1	0	108.59	0.000377215613712	0.409618434929861	2861.26			Transfer	
3	0x8cf795da8d5487de1b1a6c5ef58073666 4026f26eceef1d3d39eb3c3e043b	1E+07	2E+09	20/03/2022 1:17	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0xa5409ec958c83c3f309868babaca7c86dcb077c1		0	0	0	0.010122633012028194	109.921.671.877.614	2861.26			Register Proxy	
4	0x27f1ea11afda953ffbe6b80f31c51a64cb2208bd933d8a1e42f3ebf2eb4368e	1E+07	2E+09	20/03/2022 1:17	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x79fcdef22feed20eddacbb2587640e45491b757f		0	0	0	0.001175921056693564	127.693.267.546.354	2861.26			Set Approval For All	
5	0xac83ed72431a8f1159c36e0f2738b59481f9613ebc15465cedaf282c3138d7	1E+07	2E+09	20/03/2022 1:19	0xf6cd827d51ecae00641dbae59ad2aca4c83a3d9c	0xc855d03edb308080e70f0fbc4e2f3be7c383782c		378.219.641	0	4.107.087.081.619	0.000470614089876	0.511039840196348	2861.26			Transfer	
6	0xe25ee6f2baa8617a6ddebcae91decbb9342980b9db3fd36600406aea27f5	1E+07	2E+09	20/03/2022 1:22	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2		0	3.77	4.093.843	0.001045151977346008	113.493.053.220.003	2861.26			Deposit	
7	0xdbeff822e378891d2c39445a6401ccd9aa2749adb8a2f4fc0d8578d9a15f3	1E+07	2E+09	20/03/2022 1:23	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2		0	0	0	0.000998754877968 33	108.454.792.198.582	2861.26			Approve	
8	0x758637e1e5f3d52e6df5cbb7cc927eedc533099058562 09fa41e1fdade2d9	1E+07	2E+09	21/03/2022 16:58	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0.3189	34.629.351	0.00744540155474089	808.496.154.829.313	2895.01			Atomic Match_	
9	0x8e833cbaa651a9e44f06f52343a1cc7404cb32f1994ac76e1c191126b679ea	1E+07	2E+09	21/03/2022 22:07	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0.12	130.308	0.008345835960795 15	906.274.326.982.745	2895.01			Atomic Match_	
10	0x4a0e3ed602ced0c87600655b715573afc5e8d4c663d4dae28fa8b6d373c	1E+07	2E+09	22/03/2022 0:36	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x83c8f28c26bf6aaca652df1dbbe0e1b56f8baba2		0	11.463	124.476.717	0.117396914121033844	127.481.309.044.031	2970.47			0x9a2b8115	
11	0x8200eb99d8150025cccbc6f639632c46bf4890afe21727526434b52950d1	1E+07	2E+09	22/03/2022 2:21	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x00000000a50bb64b4bbeceb18715748dface08af		0	0.22	238.898	0.011929540135683048	129.542.876.333.382	2970.47			0xc0423cd6	
12	0xfbe644575f7e22560221ea6bbdb415e172d876825eebe9e0b27022b5bc0a	1E+07	2E+09	22/03/2022 2:59	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0.888	9.642.792	0.010792986417457044	117.201.039.507.166	2970.47			Atomic Match_	
13	0x1b929d6ed5b1f91595059bcafa2e2c779344c9eb0bfd6b5fb0671aeb2ae92e	1E+07	2E+09	22/03/2022 3:10	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2		0	0	0	0.001397501978614 82	151.754.739.857.783	2970.47			Withdraw	
14	0x234a9c3aebb3882c55948278c766778d4892902be879d29aa7e40e3e3a	1E+07	2E+09	22/03/2022 3:13	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x00000000035634b55f3d99b071b5a354f48e10bef		0	0.385	4.180.715	0.016510831091135654	179.291.114.818.642	2970.47			0x10064373	
15	0x40842cf6d02aa9d354a38cf6e35d6b8cd96b58433ef554d3d53fc573ce4	1E+07	2E+09	22/03/2022 13:40	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2		0	3.11	3.377.149	0.001363628907077 98	148.076.463.019.598	2970.47			Deposit	
16	0x54d210e2c70b01d6c4b52055c36a17cefe37327886ef276f6fb4c8d84bde7	1E+07	2E+09	22/03/2022 22:21	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0.14	152.026	0.0125617971208235	136.408.554.935.022	2970.47			Atomic Match_	
17	0x488a10fed0ca5caa4810b74b6e75594605bf48ded6ce82902a144ffdb2e6f	1E+07	2E+09	22/03/2022 22:27	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0.15	162.885	0.010279977155043443	111.630.271.926.617	2970.47			Atomic Match_	
18	0x0b08f140829cbe7d93ce6f760a598a3f56cfc60cac5a1f489ca0b11d678c0	1E+07	2E+09	22/03/2022 22:30	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0.069	749.271	0.008398426267384 08	911.985.108.375.237	2970.47			Atomic Match_	
19	0x1f2cb43a3851c5bd5659e0b54128883d1b2548a1c90d35a83e8c09c5b853	1E+07	2E+09	23/03/2022 2:22	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2		0	0	0	0.000964953370008 00	104.784.286.449.169	3032.98			Withdraw	
20	0x79005e7bad40b61f1d0e0749ff9e4ec6bdf8736eea982d8d504670cb8606	1E+07	2E+09	23/03/2022 2:33	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0.309	3.355.431	0.00775500497794772	842.115.990.555.343	3032.98			Atomic Match_	
21	0xb06c39b503a074a0fffea247913c42db8f05575ff08 1bcf81445c08f494425	1E+07	2E+09	23/03/2022 3:16	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x00000000035634b55f3d99b071b5a354f48e10bef		0	0.1225	13.302.275	0.015133745895964195	164.337.346.684.275	3032.98			0x10064373	
22	0x16ec432e77e1ce8977afc61bb5534daf90c57370d1dffcf62f0081e0f473c39	1E+07	2E+09	23/03/2022 4:30	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2		0	0	0	0.001579040488831	171.468.006.682.158	3032.98			Withdraw	
23	0x70b0f9fdb01983 78bf8c238fcd84c29dcc46c5189e5fdfb3d89d1446cb7cb	1E+07	2E+09	23/03/2022 4:36	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	4.24	4.604.216	0.011413018426857 95	12.393.396.709.725	3032.98			Atomic Match_	
24	0x24a473e74e2a30a727f171f14857c7601ce7cd028107ebba7f40a48054b95	1E+07	2E+09	23/03/2022 4:39	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x6dc6001535e15b9def7b0f6a20a2111dfa9454e2		0	0	0	0.001601231632713 15	173.877.742.996.321	3032.98			Set Approval For All	
25	0xbee2743e78bc24d0c5787ad28083bd45ac7249280605202a0d74f17f80d	1E+07	2E+09	23/03/2022 4:40	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x6ce31a42058f5496005b39272c21c576941dbfe9		0	0	0	0.006042667459394 91	656.173.259.415.694	3032.98			Stake	
26	0x5f1253bc0d69c710738c8048a4af92c5cc1ca390814805217d6952b7dd3e0	1E+07	2E+09	23/03/2022 7:13	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x10064373e248bc7253653ca05df73cf226202956		0	0	0	0.000888023957807 71	0.956486735783396	3032.98			Set Approval For All	
27	0xf6d9da90aca4bebb5ad489a35eab3a71e7db4461dd3e989e4e1512431226	1E+07	2E+09	23/03/2022 7:17	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0xcbc67ea382f8a006d46eeeb7255876beb7d7f14d		0	0	0	0.000913686084712454	0.992171719389254	3032.98			Set Approval For All	
28	0x25d62a6e262b650c4931fc0035736d4951dbf8d6b53a128571130efec5fca3	1E+07	2E+09	23/03/2022 11:23	0xf6cd827d51ecae00641dbae59ad2aca4c83a3d9c	0xc855d03edb308080e70f0fbc4e2f3be7c383782c		0.36236699	0	393.494.314.441	0.000532541952369	0.578287306077497	3032.98			Transfer	
29	0xaf545dbac28d6679e59e4f2aaf6c65901ff5c08bdc7647dac026466fe4de	1E+07	2E+09	24/03/2022 3:08	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0.31	336.629	0.007205232190741475	782.416.163.592.617	3112.85			Atomic Match_	
30	0x1a9c1e6980bdc04a7125b7b03143d29db837359255927d560e4ef4773b79	1E+07	2E+09	24/03/2022 3:17	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.003688901338550 49	400.577.796.353.198	3112.85			Cancel Order_	
31	0x3d31f225689dd785c651b572d62f8b8d8ee7ab39927eb5e436b62f59bf3a	1E+07	2E+09	24/03/2022 3:17	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.003690747027181652	400.778.219.681.656	3112.85			Cancel Order_	
32	0x75dd3bb0afe7c0f94e17a0cd46b5286379a2ce43585714ba26c6079de30	1E+07	2E+09	24/03/2022 3:18	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.003697964528824 01	401.561.968.185	3112.85			Cancel Order_	
33	0x500cc1b10f12bc681d8ee6bf66fdcee259aaf28858c16f644a556289453e49	1E+07	2E+09	24/03/2022 3:18	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.003693273031717372	401.704.058.513.799	3112.85			Cancel Order_	
34	0x8b7529aa80746dcedc2dfec67edc337072e149c8bb6f2a9ee3fd3e4bb27	1E+07	2E+09	24/03/2022 3:18	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.003629114369465218	394.085.529.380.228	3112.85			Cancel Order_	
35	0xfba1aeb1aee22659b8b0d75360070aee0824e506267e33c8b3f9edfc9618	1E+07	2E+09	24/03/2022 3:19	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.002887730713181318	313.578.678.144.359	3112.85			Cancel Order_	
36	0x4c1e83ba6042bec4cc237c3fb54746bed0af3397599411245 1b858c88576	1E+07	2E+09	24/03/2022 3:20	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.003195388795616 08	34.698.726.931.595	3112.85			Cancel Order_	
37	0x097d300589fd4843ca2854be2257df0bcf1dc47a072a6a341040cca3f433	1E+07	2E+09	24/03/2022 3:20	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.003155307997759 65	342.634.895.476.721	3112.85			Cancel Order_	
38	0xa9b3175d24a8f46074de4a77628bbbc63817659b89feb031c8b84ad60d8b	1E+07	2E+09	24/03/2022 3:20	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.003154191905598372	342.513.699.028.927	3112.85			Cancel Order_	
39	0xa93a98b1d8cc2d9d759887cae3f64373e306e84b2c952bf752cae554b95	1E+07	2E+09	24/03/2022 3:20	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.003155307997759 65	342.634.895.476.721	3112.85			Cancel Order_	
40	0xc515fca902c62ec8cfb5d973edbf213f8d926e37af465e772683a30c1ae3f	1E+07	2E+09	24/03/2022 3:20	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.002975070449422993	323.062.904.968.428	3112.85			Cancel Order_	
41	0xbc7f8b40e56348fb866b75c8c67020b3e06c1d5d0d3759b2612842f7d90f	1E+07	2E+09	24/03/2022 3:23	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.002657154070321 52	288.540.360.496.214	3112.85			Cancel Order_	
42	0x2b9ac4d2b5f7b69392de122e583e3ae264a737b0fbdabefc806069a92f75	1E+07	2E+09	24/03/2022 3:23	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.002845753661212 88	309.020.390.071.107	3112.85			Cancel Order_	
43	0x6ba0926ef62688869a1171e6d40964f2d69e3f42ec5ecdb8bbca5cd75c01f	1E+07	2E+09	24/03/2022 3:24	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.002404763922148 68	261.133.314.306.126	3112.85			Cancel Order_	
44	0x6232409c3cfede47ba7caff420f97b7469ab98f3150fa02748f3a747b8c8a	1E+07	2E+09	24/03/2022 3:24	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.002689933447787 87	292.099.873.094.515	3112.85			Cancel Order_	
45	0x4a41757a1d627317c2e8e064314eada94a25cf8032e238ebd3d76723bcae	1E+07	2E+09	24/03/2022 3:26	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.002503224284236 66	271.825.125.025.261	3112.85			Cancel Order_	
46	0x8c3bb4759258cf317c06ee6f003be383206c6e5122de82025f843634c93c	1E+07	2E+09	24/03/2022 3:26	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.002502705158503 74	271.768.753.161.921	3112.85			Cancel Order_	
47	0x63f76440ce1a98d2cb34719e92283eea67084aba549a2864bf15aa374c20	1E+07	2E+09	24/03/2022 3:26	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.002502705158503 74	271.768.753.161.921	3112.85			Cancel Order_	
48	0x521306025c5ed189c6e1b301bda72b45f16ea4d2f7fb44325c6240c8c187d	1E+07	2E+09	24/03/2022 3:26	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0	0	0.002503590725930 52	271.864.916.928.795	3112.85			Cancel Order_	
49	0x001199b71dfed7983bb17c143a200a9a98285e4dc1160101dd8d3523eeca62	1E+07	2E+09	24/03/2022 3:39	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2		0	3.48	3.778.932	0.00107574629541087	116.815.290.218.666	3112.85			Deposit	
50	0x7fa7f3d55f8625c217f251d69fcc384d6ffc33e7889c2f9630d5f797ada240	1E+07	2E+09	24/03/2022 4:49	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2		0	0	0	0.001652594409273344	179.455.226.902.992	3112.85			Withdraw	
51	0x26c13a2ea2fa5705b7a8a8b8d5b349abd3b3ea1a6220dfbcc9f8259f7548	1E+07	2E+09	24/03/2022 4:57	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x83c8f28c26bf6aaca652df1dbbe0e1b56f8baba2		0	1.088	11.814.592	0.023177049472990 20	251.679.580.227.201	3112.85			0x9a2b8115	
52	0x60cb979be7aa4d8a5a73e7b500fe553eab4983203a7e085600c5bfe8f24	1E+07	2E+09	24/03/2022 5:00	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2		0	0	0	0.001010039372442496	109.680.175.453.531	3112.85			Withdraw	
53	0xfa834f5a7ea59b13ba4fb06f7459b9b73de2e2e6b468784c2aea8840d94c	1E+07	2E+09	24/03/2022 5:10	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x00000000a50bb64b4bbeceb18715748dface08af		0	0.3	325.77	0.0056082652152972	609.001.519.729.123	3112.85			0xc0423cd6	
54	0xe94b6a6b48c2956b2a9fe2b177f0e80d4da08ea458fc895f2947d11b25eb	1E+07	2E+09	24/03/2022 5:20	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x00000000a50bb64b4bbeceb18715748dface08af		0	0.2	217.18	0.004366226399406 08	474.128.524.711.506	3112.85			0xc0423cd6	
55	0x5f49b4740bdcf8989823034b8db5bd90d8c2c9ae91082ec2de75127bd89	1E+07	2E+09	24/03/2022 5:26	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	1	1085.9	0.005552960909233 01	602.996.025.133.613	3112.85			Atomic Match_	
56	0x7fc10f5ee5e55d537bf0dd836baa26f5a0fb65752d33088bcd2140bb743f6	1E+07	2E+09	24/03/2022 5:29	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x7f268357a8c2552623316e2562d90e642bb538e5		0	0.95	1.031.605	0.006593814998971596 8	716.493.107.383.257	3112.85			Atomic Match_	
57	0x84fd716cbcdd2604c05d906bcb22e8cb4eacf055770f65a968f483ed10d6	1E+07	2E+09	24/03/2022 5:53	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0xc0423cd6d1e19d21f1f031895867e4ca36a14af3		0	0	0	0.001451171721532	157.582.736.222.716	3112.85			Set Approval For All	
58	0x06c6fd1735ee80cfa7b09b94faf6ea63edaf38ac70bba26c611a575abc86	1E+07	2E+09	24/03/2022 6:04	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x00000000a50bb64b4bbeceb18715748dface08af		0	0.15	162.885	0.001821553187761576	19.780.246.065.903	3112.85	Error(1)	Reverte	0xc0423cd6	
59	0x4c816b36a92018c7180dfd409e7c2f0c66dab9466ba759749071e1eec94a7	1E+07	2E+09	24/03/2022 13:39	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2		0	3.3	3583.47	0.001317467571786156	143.063.803.620.259	3112.85			Deposit	
60	0x7979f0eab9f5fbcdf5abde450e5f0190b9e5f4962d9ccf36c80111e95728af6	1E+07	2E+09	24/03/2022 16:34	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x00000000a50bb64b4bbeceb18715748dface08af		0	0.0399	4.332.741	0.006486233980990 87	704.340.147.995.799	3112.85	Error(1)	Reverte	0xbb00b6b6	
61	0x[illegible]b10b4db7f5505833854	1E+07	2E+09	24/03/2022 16:36	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x83c8f28c26bf6aaca652df1dbbe0e1b56f8baba2		0	0.0439	4.767.101	0.021167468378255793	22.985.753.911.948	3112.85			0x9a2b8115	
62	0x[illegible]cb1f4dd4ceff9819cb52	1E+07	2E+09	24/03/2022 16:37	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x00000000a50bb64b4bbeceb18715748dface08af		0	0.045	488.655	0.006139129953578795	666.648.121.659.121	3112.85	Error(1)	Reverte	0xbb00b6b6	
63	0x[illegible]04ea8f91477f1be35e8b	1E+07	2E+09	24/03/2022 16:37	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x00000000a50bb64b4bbeceb18715748dface08af		0	0.0425	4.615.075	0.014191790253519483	154.108.650.362.968	3112.85			0xbb00b6b6	
64	0x[illegible]869ba1dcfb97e9d05db	1E+07	2E+09	24/03/2022 16:39	0xc855d03edb308080e70f0fbc4e2f3be7c383782c	0x00000000035634b55f3d99b071b5a354f48e10bef		0	0.09	97.731	0.025318355140337 45	274.932.018.468.924	3112.85			0xbb00b6b6	

EMPACT
Fighting crime together

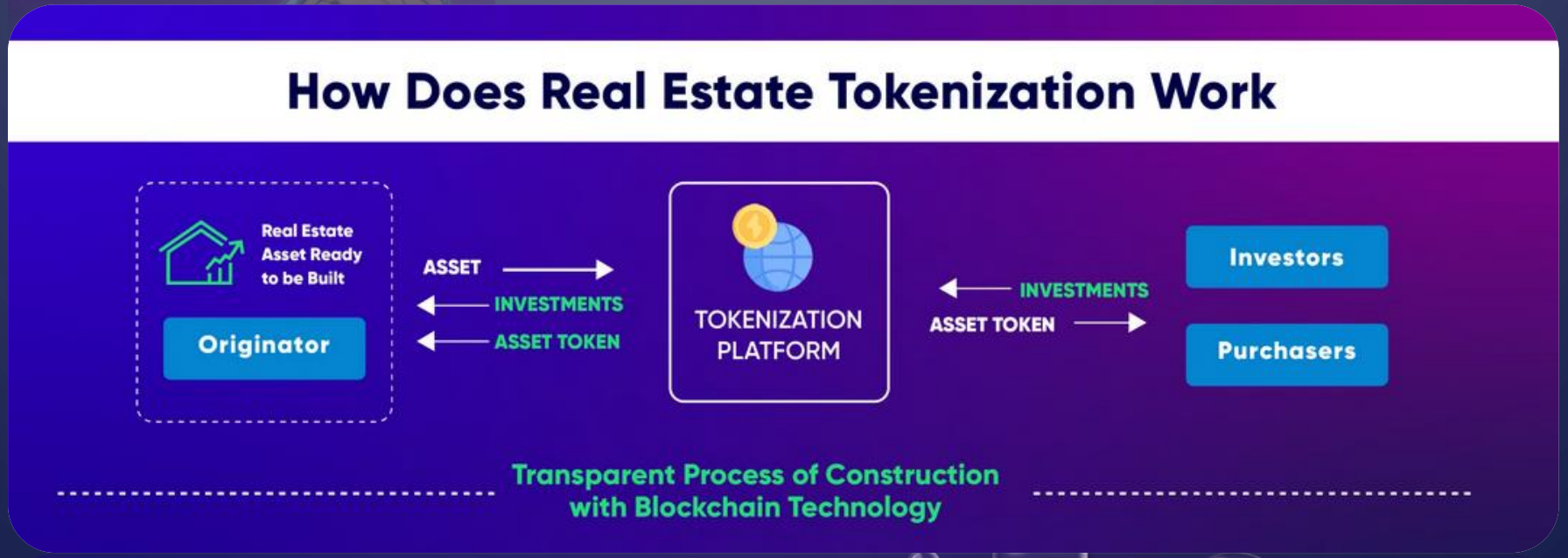
NFTs Shapes Next-Gen

Real Estate Tokenization

NFT APPLICATIONS

Tokenization in Luxury Real Estate:

Tokenization is a groundbreaking idea that is reshaping the way we discern and invest in luxury real estate. Tokenization essentially entails transforming physical assets, like upscale properties, into digital tokens on a blockchain network. Investors are able to purchase, sell, and exchange fractional ownership units thanks to these tokens, which reflect ownership shares in the underlying property.



NFT APPLICATIONS

Real estate NFT marketplace:

An NFT property is a programmable plot of land in a virtual world that users can explore using their 3D avatar. In the metaverse, users can purchase NFTs linked to specific fields of land to represent sole ownership of their properties.

EMPACT
Fighting crime together

NFT APPLICATIONS

Financial documents:

Bills, invoices, warranty cards, etc.

Identity verification:

For verifying identity or representing birth certificates, medical records, licenses, certificates, etc.

Tickets:

Concerts, parking garage, etc.

Fashion world:

Verify ownership of luxury items to reduce counterfeiting.

EMPACT
Fighting crime together

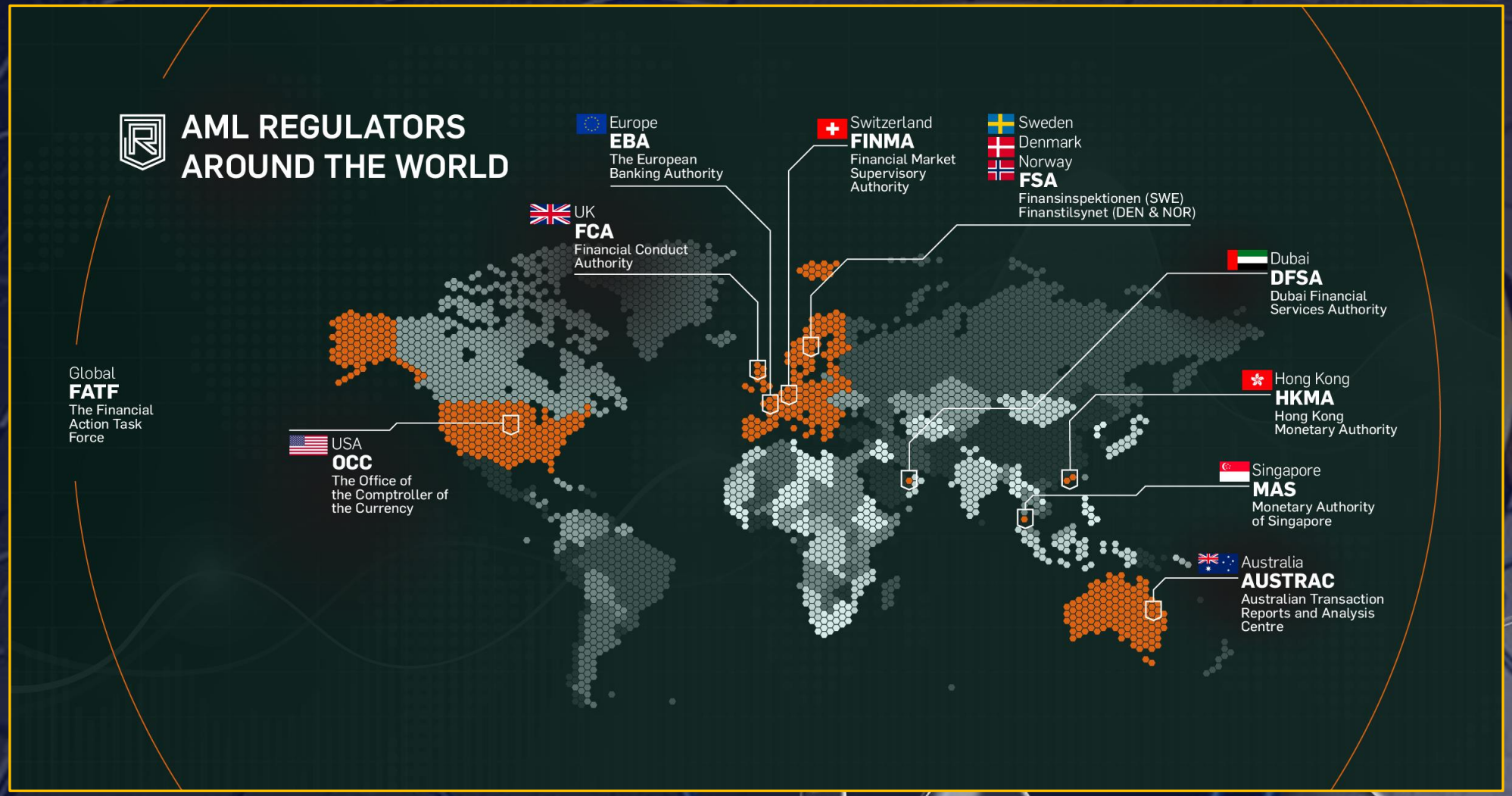
CRIMINAL ABUSE OF NFTS

OECD International Academy for Tax Crime Investigation

Conducting Financial Investigations

OECD

VULNERABILITIES



NFTs are currently NOT bound by laws and regulations!

VULNERABILITIES

Many NFT platforms do not perform KYC/AML checks!

VULNERABILITIES

Shifting large amounts of money in a borderless, partly anonymous market!

VULNERABILITIES

The most expensive NFTs are exchanged between a small number of wallets!

Ability to add/create value to something trivial!

NFTs and Money Laundering

WASH TRADING

A wash trader would buy and sell their own NFT so that it will show inflated volume and interest and possibly a price increase. (The wash trader controls both the buy and sell prices so they can buy it at a higher price from themselves.) This behavior can be repeated over and over.

As a result, outsiders seeing this increased activity might consider buying the NFT at an inflated price. Once the NFT is sold to an outsider, the NFT creator pockets the difference.

ONLINE GAMBLING

ONLINE GAMBLING

http://zed.run

OWN CHAMPION RACEHORSES

Build your virtual stable of champions and use your skill to dominate on the racetrack against global competitors for big rewards.

PLAY NOW

MARKETPLACE VOLUME	RACES RUN	USD WON
$158M+	3.5M+	$60M+

We use cookies

We use cookies to understand how you use our site, to personalize content, and to improve your experience. By continuing to use our site, you accept our use of cookies, Terms of Use, and Privacy Policy.

Accep

Privac icy

Terms Use

Back

Breedin

FEMALE

Hot Clementine

You have selected **Hot Clementine**, she is a beauty.

Nakamoto

Z1 Genesis

Filly

Hell Red

PERFORMANCE

3 - 0 - 0

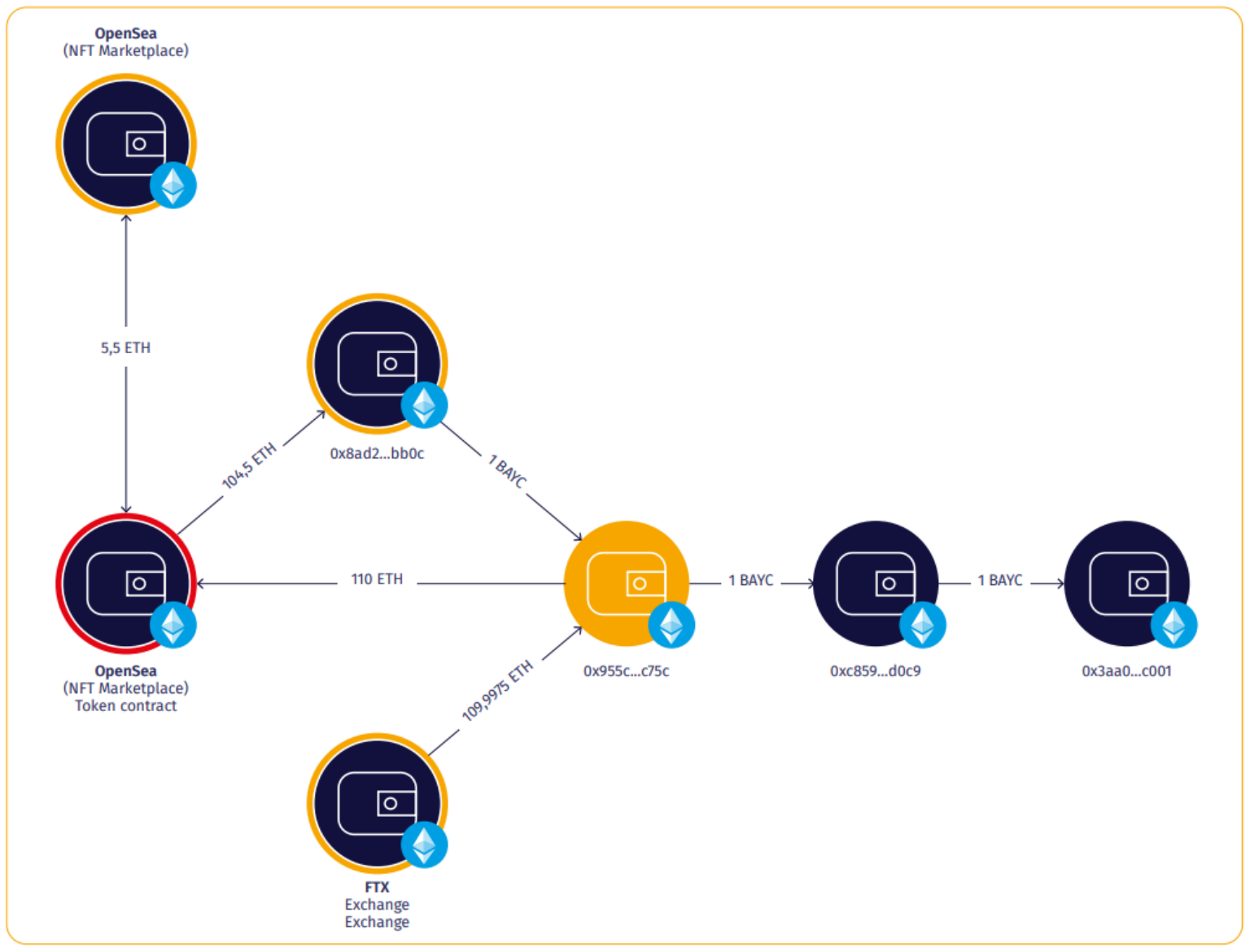
0 1 of 12 left

PERFORMANCE

3 - 0 - 0

0 12 of 12 left

WHAT DOES A NFT TRANSACTION LOOK LIKE?



READY FOR
METAVERSE
JOIN THE NEW ERA

METAVERSE

‘The Metaverse’ usually refers to a virtual world in which people can come into contact with each other online. It is a network of virtual 3D spaces in which users can perform all kinds of activities via an avatar, a digital doppelganger.

What is virtual reality?

VR is a simulated experience that can be similar to or completely different from the real world. Virtual reality systems use either virtual reality headsets or multi-projected environments to generate realistic images, sounds and other sensations that simulate a user's physical presence in a virtual environment.

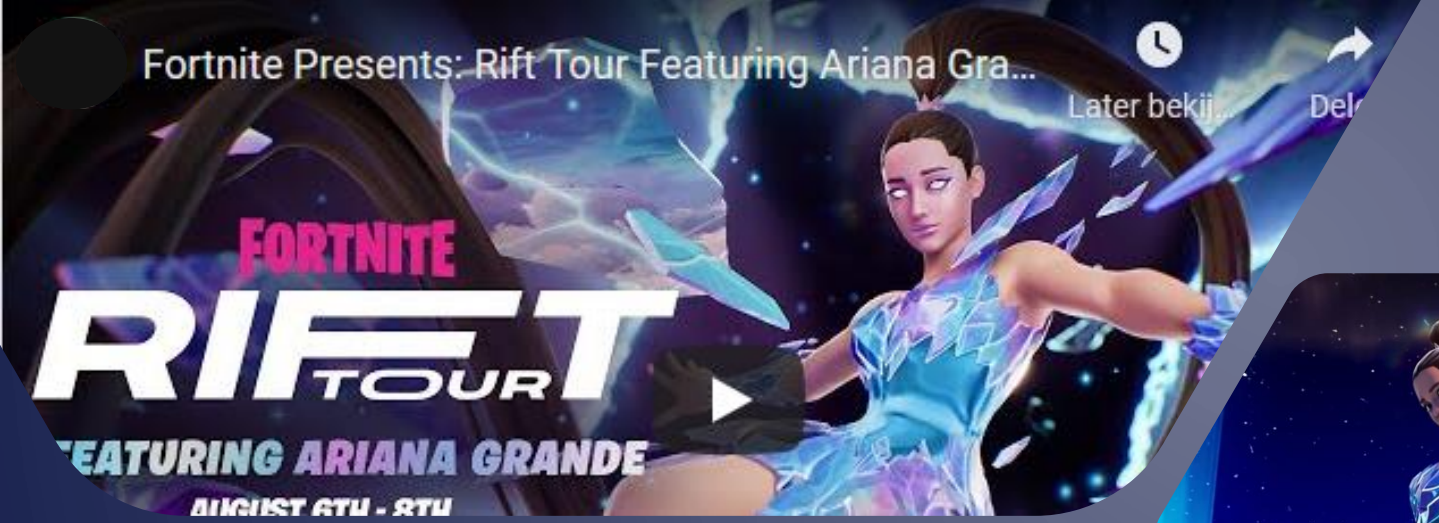
Reality Zero
FORTNITE
Which companies are active in the Metaverse?

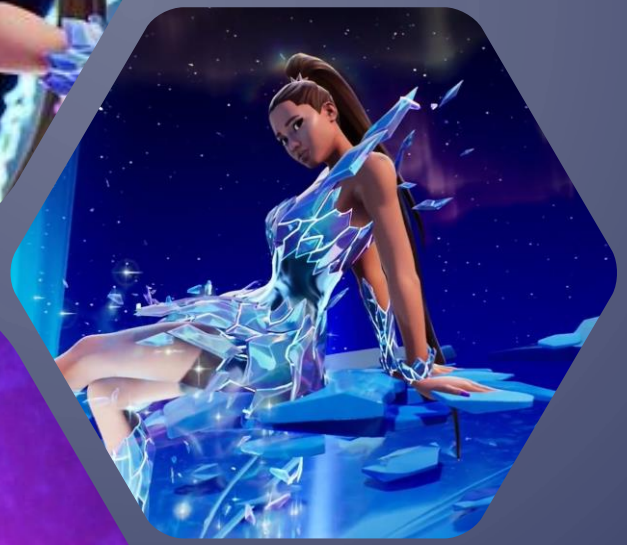
NIKELAND

ATPKT

ATPKT

The banks are also exploring the Metaverse: JP Morgan opens a lounge in Decentraland.

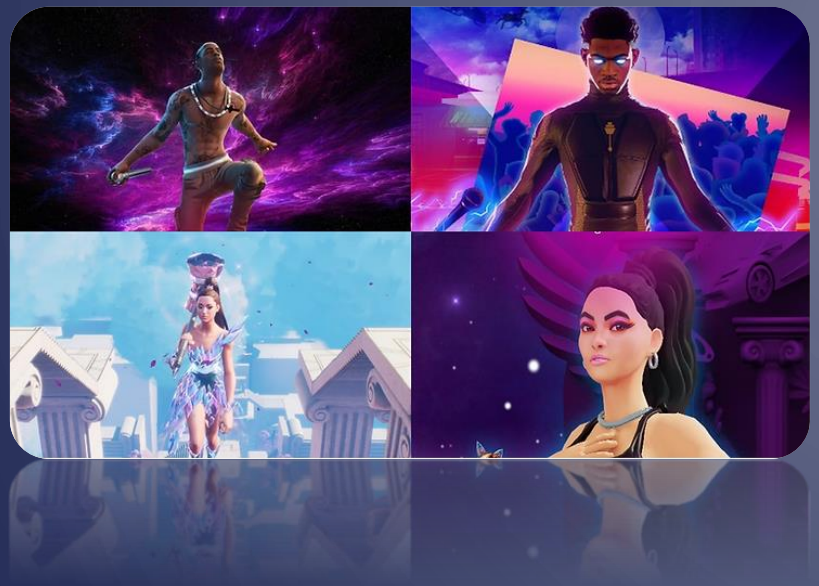




Ariana Grande gives a music concert in the Metaverse of the video game Fortnite!

27,7 million viewers

> 20 million USD revenues



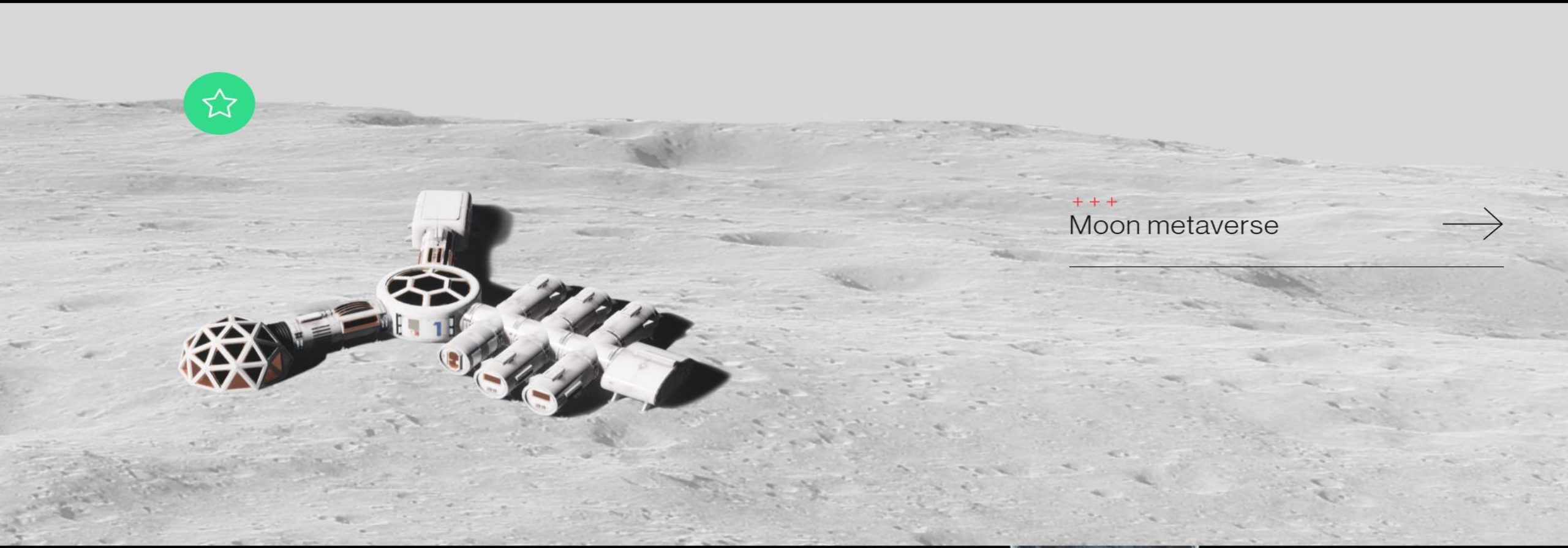
Rank	Artist	Attendance	Platform	Label
1	Travis Scott	45.8 Million	Fortnite	Sony
2	Lil Nas X	37 Million	Roblox	Sony
3	Ariana Grande	27 Million	Fortnite	Universal
4	24kGoldn	14.6 Million	Roblox	Sony
5	21 Pilots	13.4 Million	Roblox	Warner
6	Marshmello	12.7 Million	Fortnite	Universal
7	Justin Bieber	10.7 Million	Wave	Universal
8	Charli XCX	8.9 Million	Roblox	Warner
9	Denzel Curry	8.6 Million	Roblox	Concord
10	Lizzo	6.7 Million	Roblox	Warner

Due to Covid-19, large concerts and music festivals were put on hold. As a result, the popularity of virtual concerts drastically increased. We took a deep dive into which artists have had the most success holding concerts in the metaverse. Here is our top ten list of artists who have held concerts on platforms such as Roblox, Fortnite, and Wave.

Based on this research, YellowHeart was able to launch the Metaverse experiences with a $20 price for an average famous artist, and the product was well received by fans and artists alike. The top three features that were prioritized by fans were Meet & Greet, Live Concert, and Collaborations with other artists.

Advertising and Marketing

In the context of advertising and marketing, the metaverse can be defined as an enduring, 3D and virtual space where users can spend their time and be targeted with branded content and sales promotion tactics. The closest analogy these days would be social media, where users log in, interact with their friends, family, and peer network — and in the course of these interactions, they come across brands, ads, sponsored content, and calls for conversion. Over time, social media has evolved with direct-to-customer stores where you can pay for products online and have them shipped to your address. Likewise, the metaverse may have 3D "stores" where you can not only watch ads, but also try out products and make purchasing decisions.



+ + +
Moon metaverse

Get Land on the Moon

Buy NFT land

Play trailer

> When we're thinking about what the next generation is going to look like in terms of where all these creators and developers are going to come from, who are going to really build the foundation of the metaverse, I think it's just obvious that India is going to be a huge part of that.

Mark Zuckerberg, Co-founder, Chairman and CEO of Meta Platforms at Fuel for India 2021, December 2021

Japan in the Metaverse.

Japan in the Metaverse.

Manchester City head to the metaverse with Sony partnership

Collaboration to explore latest technologies to develop new digital fan experiences.

Japan in the Metaverse.

Toyota and Nissan Step Into the Metaverse as per the Reports

OECD International Academy for Tax
Conducting Financial Inves
OECD

Japan in the Metaverse.

June 28, 2022

SoftBank Corp. Sets Up Virtual Shop in ZEPETO, Asia's Largest Metaverse Platform

LAW ENFORCEMENT AND THE METAVERSE

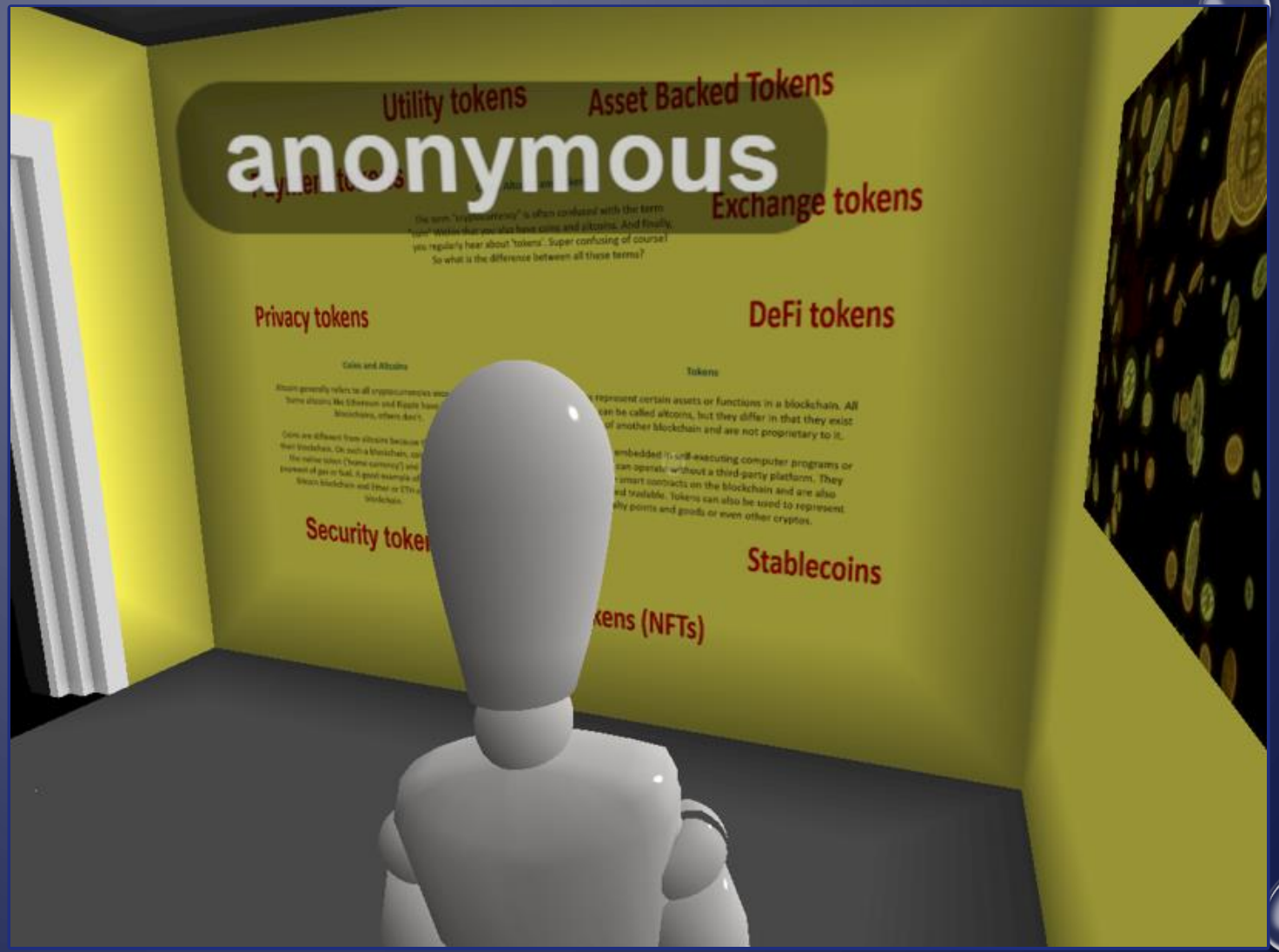
ENLETS TIG event
15th - 17th February 2023
Athens, Greece

ENLETS

ENLETS Secretariat
Polish Platform for Homeland Security (PPHS)
Slowackiego 17/11 Street
60-822 Poznań | Poland

OECD International Academy for Tax Crime Investigation
Conducting Financial Investigations
OECD

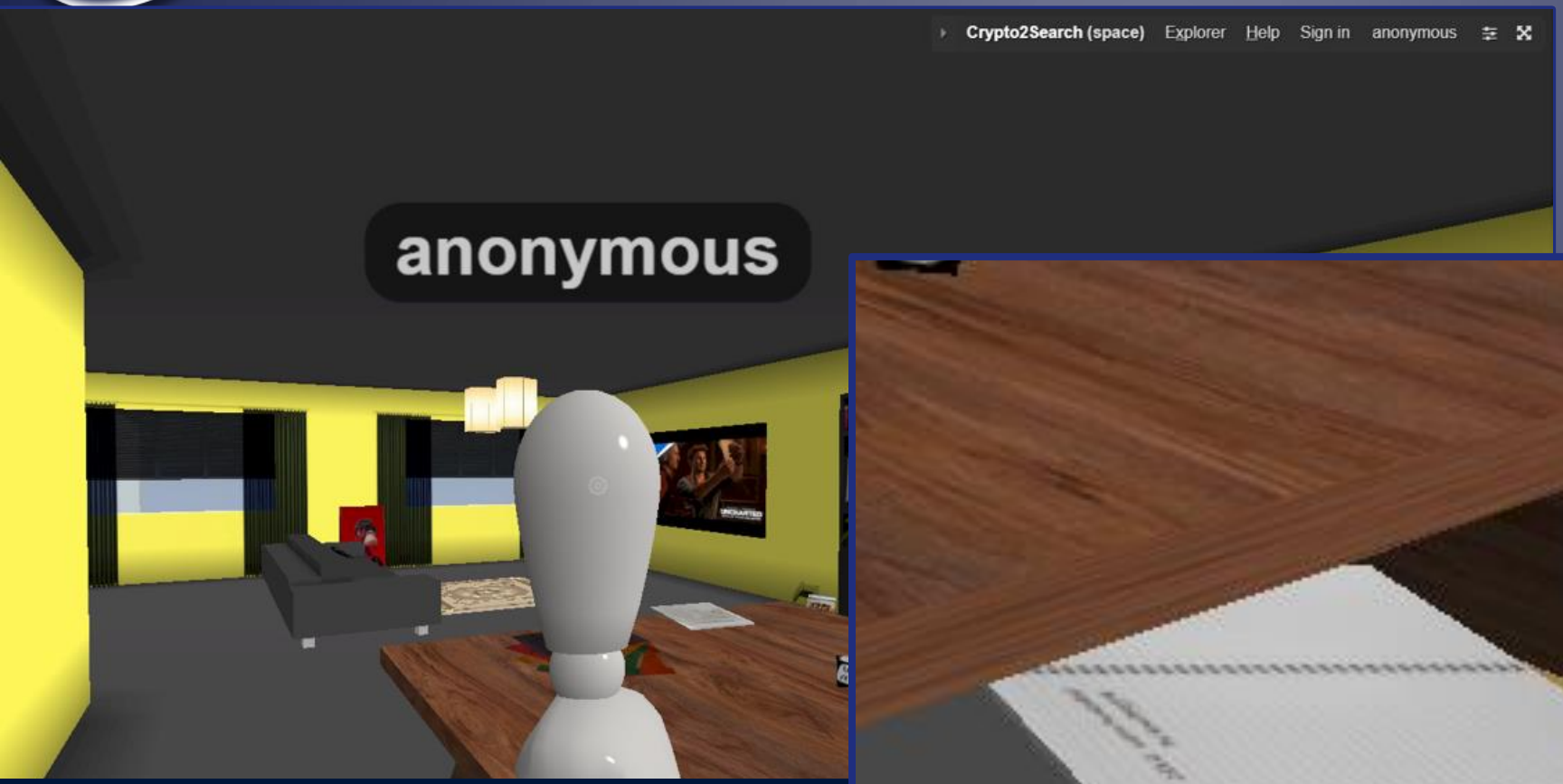
LAW ENFORCEMENT AND THE METAVERSE



ENLETS Secretariat
Polish Platform for Homeland Security (PPHS)
Slowackiego 17/11 Street
60-822 Poznań | Poland

OECD International Academy for Tax Crime Investigation
Conducting Financial Investigations
OECD

LAW ENFORCEMENT AND THE METAVERSE



ENLETS Secretariat
Polish Platform for Homeland Security (PPHS)
Slowackiego 17/11 Street
60-822 Poznań | Poland

OECD International Academy for Tax Crime Investigation
Conducting Financial Investigations
OECD

EUROPOL

INNOVATION LAB

LAW ENFORCEMENT AND THE METAVERSE

IDENTITY THEFT

As the virtual representation of users in the metaverse becomes more realistic and permanent, this provides opportunities to convincingly copy user appearance (so called deepfakes).

With more advanced ways to interact with the system by using different sensors, eye tracking, face tracking and haptics for instance, there will be far more detailed biometric information about individual users. That information will allow criminals to even more convincingly impersonate and steal someone's identity. Moreover, this information may be used to manipulate users in a far more nuanced, but far more effective way than is possible at present on the internet

AI can be used to process what you are looking at, how you feel, or how you interact with people, and can this be used to influence people, This is, of course, an issue on the internet in general already, but metaverse applications, because of the significant increase in the amount of valuable biometric information it can gather, will present vastly more problems in this regard.

LAW ENFORCEMENT AND THE METAVERSE

IDENTITY THEFT

A person's identity is defined by more than the appearance or avatar the user has. A user generates data through interactions with the platform. That data may become so detailed it may feel like a very accurate representation of the user's identity.

Criminals have already been selling digital fingerprints on the dark web, which imitates the user's device's characteristics and behaviour

This makes a very strong identification, or know your customer (KYC), procedure very important for metaverse platforms, in order to prevent identity theft and provide trust between users, as well as provide law enforcement with the means to investigate crimes committed on the platform.

The question will be how the platforms handle this kind of data, in what ways is it processed and stored, and what safeguards are implemented to prevent the harvesting of this information by third parties. It will remain to be seen how well the implementation of these platforms conform to the GDPR.

Criminals may also impersonate brands as well as people.

LAW ENFORCEMENT AND THE METAVERSE

HARASSEMENT AND (CHILD) ABUSE AND EXPLOITATION

Harassment on the internet is already a significant issue, with as many as 58% of girls in an international 2020 Plan International survey having experienced online harassment.

In 2007, one avatar in Second Life allegedly raped another. A number of int
attack as nothing more than digital fiction, but police in Belgium opened an in

Within 90 seconds after joining Meta's venues girls are being sexual haresse

TERRORISM

With more immersive technology and related generated data at their dispos
select and target vulnerable people and tailor their messages to their biases.
effectively target their propaganda and recruit people.

LAW ENFORCEMENT AND THE METAVERSE

TERRORISM

As an increasingly accurate and complete digital twin of reality becomes available, this may provide real-time information on planned targets.

The metaverse may allow users to create a virtual world as they envision the world should be, enabling them to create a virtual Caliphate or white supremacist state for example.

For context, Nazi gas chambers have already been reported in Roblox.

AND SO ON…

INTERPOL

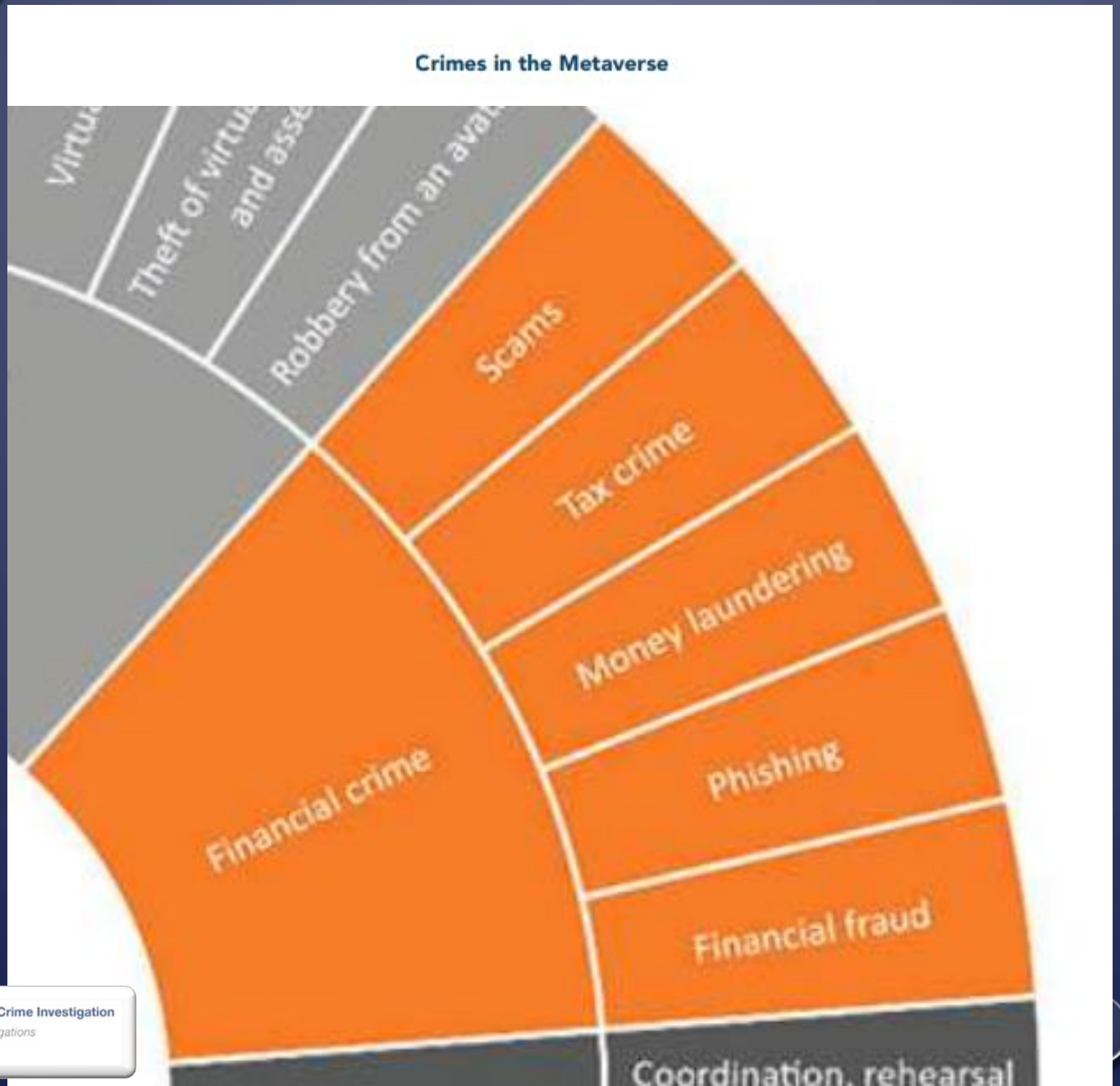
METAVERSE

A LAW ENFORCEMENT PERSPECTIVE

Use Cases, Crime, Forensics, Investigation, and Governance

INTERPOL

Typology of crimes in the Metaverse.



INTERPOL

Typology of crimes in the Metaverse.

INTERPOL

Financial fraud	Various financial fraud can be committed through hacking, social engineering, virtual identity theft, etc.
Money laundering	Criminals may buy digital assets such as NFTs or virtual currencies with proceeds of crime and sell them for clean assets, restricting the capacity to trace the money's origin source.
Tax crime	Criminals may establish unclear ownership structures on digital assets to obscure their illegal activities and evade financial trace and taxes.

Introducing DopeWarz

Combining the entertaining and addictive nature of *being a gangster for a day*, with the ability to earn real world tradeable assets, DopeWarz plans to become a metaverse with an in-game virtual economy mimicing the supply and demand models in cities around the world.

Play 2 Earn

The in game economy will allow players to earn $DDZ (DirtyDollarz) for drug trades and convert player's time investment into upgrades to player's DOPEZ & DOZ which will be tradeable on our Black Market as NFT's on the Binance Smart Chain. Launder $DDZ into our governance and utlity token $DWZ and use it to further upgrade gameplay or even buy BLOCKZ to earn passive income and influence the government.

Gameplay

The game will focus on the virual economy. The Company are developing mechanics to effectively create dynamic supply and demand models for the in game Drugz. Dopez will be able to make trades, evade Police, and travel to other Cityz to make more deals.

HIGHER LIFE CBD DISPENSARY

Welcome to the Future of Ecommerce

Higher Life CBD welcomes you to the world's first dispensaries on the Ethereum blockchain. Our metaverse dispensary offers you an immersive, gamified shopping experience, all within the virtual realm.

We offer everyone a unique opportunity to access 100% organic, all-natural, and high-quality CBD products anywhere in the United States. Our virtual dispensary is designed to create an enjoyable shopping experience where you can browse through our collection, purchase CBD products online, and physically receive your order right at your doorstep.

By breaking geographic barriers, Higher Life CBD has been featured in Forbes, The Wall Street Journal, High Times Magazines, Fox, USA Today, LA Weekly, Herb, Benzinga, and Yahoo Finance.

ENTER THE METAVERSE

OECD International Academy for Tax Crime Investigation
Conducting Financial Investigations
OECD

https://www.youtube.com/watch?v=WxzcD04rwc8

Hyper realistic Metaverse.

https://www.youtube.com/watch?v=MVYrJJNdrEg

CRYPTO

Thank 4 u

EMPACT
Fighting crime together

KURT.CAESTECKER@MINFIN.FED.BE