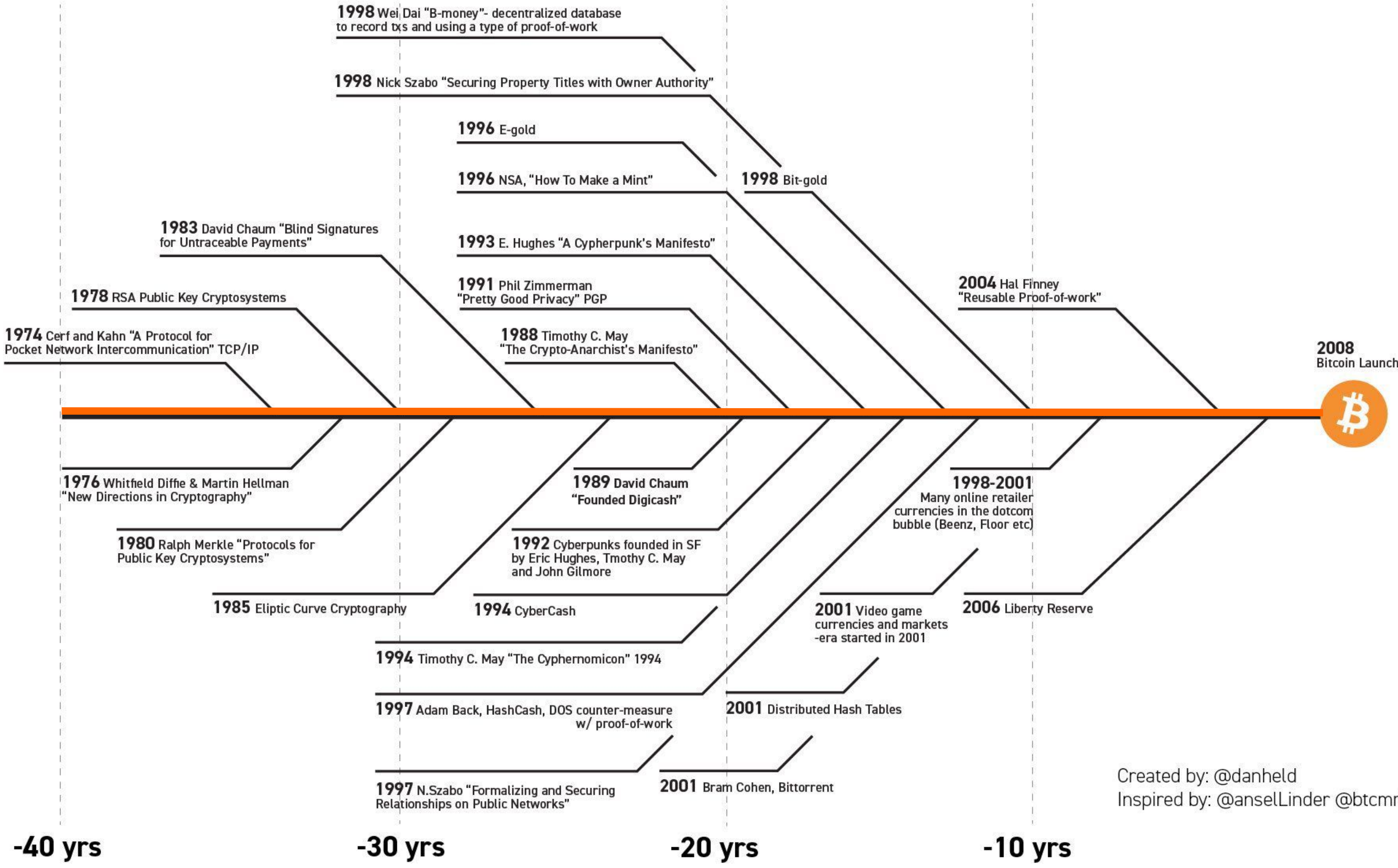
BITCOIN: DINHEIRO DIGITAL SEM BANCOS E SEM GOVERNOS



1998 Wei Dai "B-money"- decentralized database to record txs and using a type of proof-of-work

1998 Nick Szabo "Securing Property Titles with Owner Authority"

1996 E-gold

1996 NSA, "How To Make a Mint"

1998 Bit-gold

1983 David Chaum "Blind Signatures for Untraceable Payments"

1993 E. Hughes "A Cypherpunk's Manifesto"

1978 RSA Public Key Cryptosystems

1991 Phil Zimmerman "Pretty Good Privacy" PGP

2004 Hal Finney "Reusable Proof-of-work"

1974 Cerf and Kahn "A Protocol for Pocket Network Intercommunication" TCP/IP

1988 Timothy C. May "The Crypto-Anarchist's Manifesto"

2008 Bitcoin Launched

1976 Whitfield Diffie & Martin Hellman "New Directions in Cryptography"

1989 David Chaum "Founded Digicash"

1998-2001 Many online retailer currencies in the dotcom bubble (Beenz, Floor etc)

1980 Ralph Merkle "Protocols for Public Key Cryptosystems"

1992 Cyberpunks founded in SF by Eric Hughes, Tmothy C. May and John Gilmore

1985 Eliptic Curve Cryptography

1994 CyberCash

2001 Video game currencies and markets -era started in 2001

2006 Liberty Reserve

1994 Timothy C. May "The Cyphernomicon" 1994

1997 Adam Back, HashCash, DOS counter-measure w/ proof-of-work

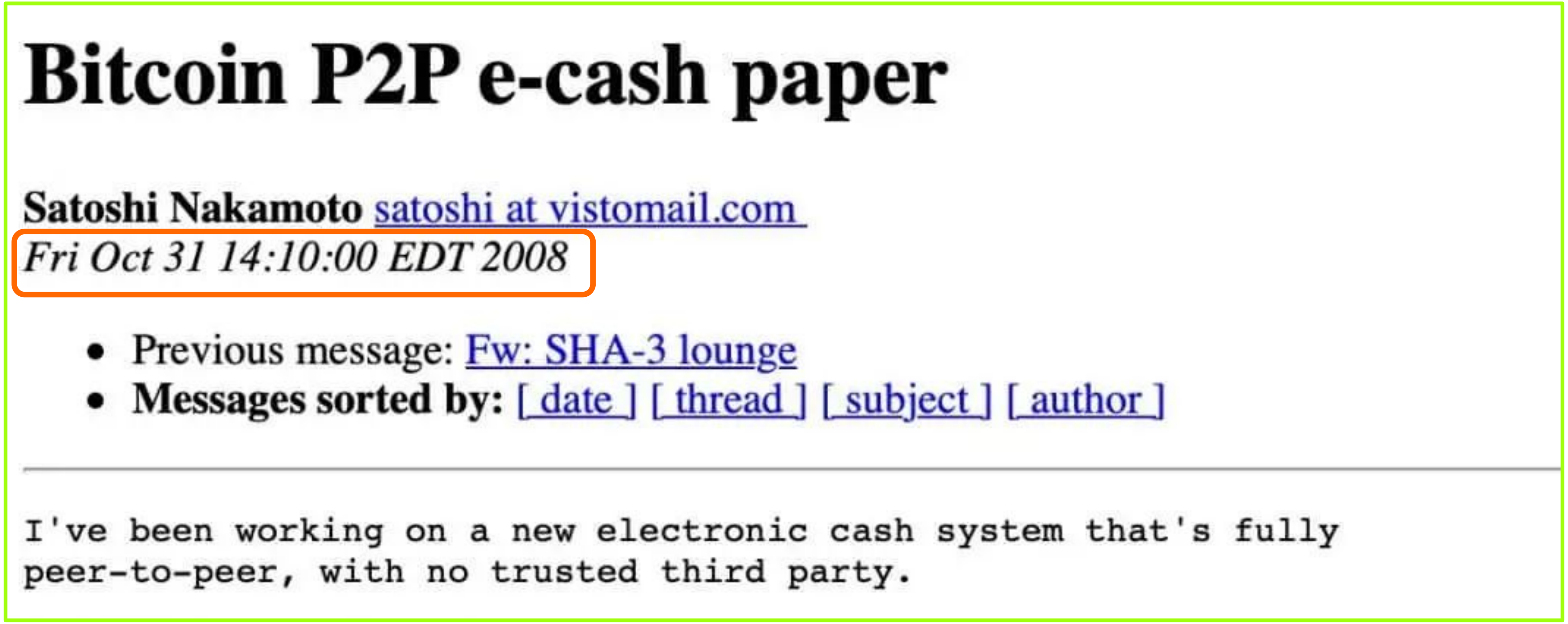
2001 Distributed Hash Tables

1997 N.Szabo "Formalizing and Securing Relationships on Public Networks"

2001 Bram Cohen, Bittorrent

Created by: @danheld
Inspired by: @anselLinder @btcmrkts

O EMAIL QUE MUDOU O MUNDO



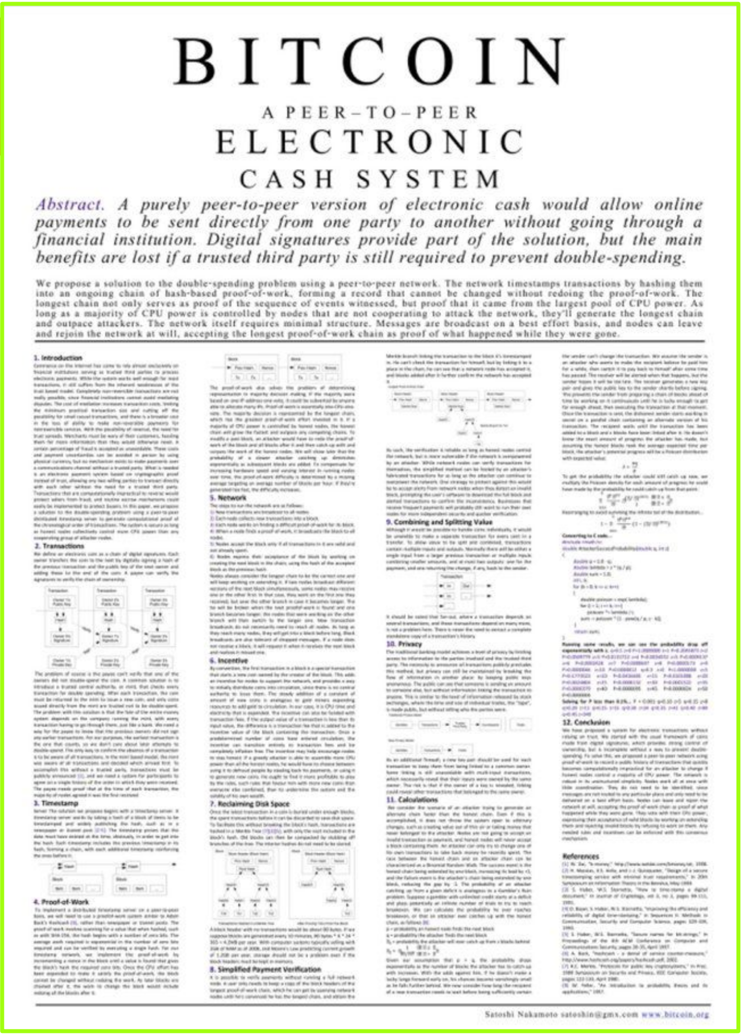
Bitcoin P2P e-cash paper

Satoshi Nakamoto satoshi at vistomail.com
Fri Oct 31 14:10:00 EDT 2008

- Previous message: Fw: SHA-3 lounge
- **Messages sorted by:** [date] [thread] [subject] [author]

```
I've been working on a new electronic cash system that's fully
peer-to-peer, with no trusted third party.
```

BITCOIN WHITEPAPER



BITCOIN

A PEER-TO-PEER ELECTRONIC CASH SYSTEM

Abstract. A purely peer-to-peer version of electronic cash would allow online payments to be sent directly from one party to another without going through a financial institution. Digital signatures provide part of the solution, but the main benefits are lost if a trusted third party is still required to prevent double-spending.

We propose a solution to the double-spending problem using a peer-to-peer network. The network timestamps transactions by hashing them into an ongoing chain of hash-based proof-of-work, forming a record that cannot be changed without redoing the proof-of-work. The longest chain not only serves as proof of the sequence of events witnessed, but proof that it came from the largest pool of CPU power. As long as a majority of CPU power is controlled by nodes that are not cooperating to attack the network, they'll generate the longest chain and outpace attackers. The network itself requires minimal structure. Messages are broadcast on a best effort basis, and nodes can leave and rejoin the network at will, accepting the longest proof-of-work chain as proof of what happened while they were gone.

1. Introduction

[illegible]

2. Transactions

[illegible]

3. Timestamp

[illegible]

4. Proof-of-Work

[illegible]

5. Network

[illegible]

6. Incentive

[illegible]

7. Reclaiming Disk Space

[illegible]

8. Simplified Payment Verification

[illegible]

9. Combining and Splitting Value

[illegible]

10. Privacy

[illegible]

11. Calculations

[illegible]

12. Conclusion

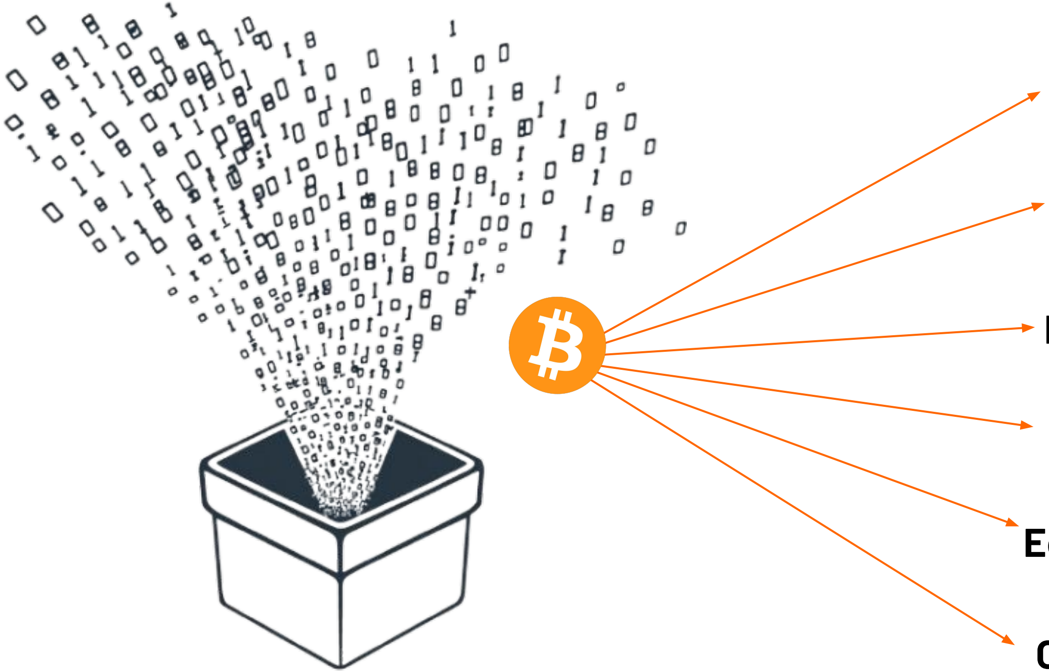
[illegible]

References

[illegible]

Satoshi Nakamoto satoshin@gmx.com www.bitcoin.org

UNIÃO DE TECNOLOGIAS E CONCEITOS



Timestamps (timechain / blockchain)

Criptografia (SHA 256)

Descentralização (redes P2P)

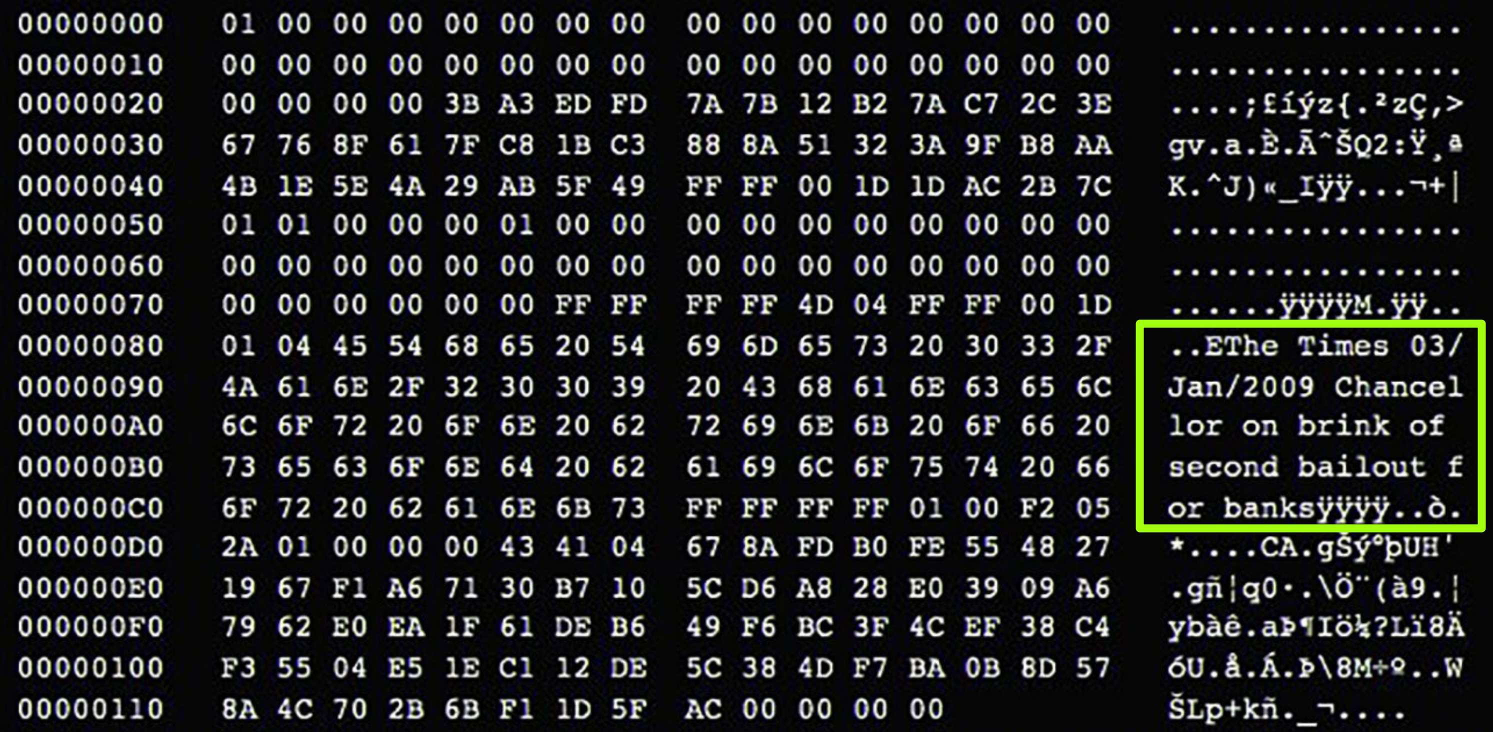
Prova de trabalho (PoW)

Economia (escassez + psicologia)

Open Source + Teoria dos Jogos

Bitcoin Genesis Block

Raw Hex Version



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00000000   01 00 00 00 00 00 00 00  00 00 00 00 00 00 00 00   ................
00000010   00 00 00 00 00 00 00 00  00 00 00 00 00 00 00 00   ................
00000020   00 00 00 00 3B A3 ED FD  7A 7B 12 B2 7A C7 2C 3E   ....;£íýz{.²zÇ,>
00000030   67 76 8F 61 7F C8 1B C3  88 8A 51 32 3A 9F B8 AA   gv.a.È.Ã^ŠQ2:Ÿ¸ª
00000040   4B 1E 5E 4A 29 AB 5F 49  FF FF 00 1D 1D AC 2B 7C   K.^J)«_Iÿÿ...¬+|
00000050   01 01 00 00 00 01 00 00  00 00 00 00 00 00 00 00   ................
00000060   00 00 00 00 00 00 00 00  00 00 00 00 00 00 00 00   ................
00000070   00 00 00 00 00 00 FF FF  FF FF 4D 04 FF FF 00 1D   ......ÿÿÿÿM.ÿÿ..
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00000090   4A 61 6E 2F 32 30 30 39  20 43 68 61 6E 63 65 6C   Jan/2009 Chancel
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000000B0   73 65 63 6F 6E 64 20 62  61 69 6C 6F 75 74 20 66   second bailout f
000000C0   6F 72 20 62 61 6E 6B 73  FF FF FF FF 01 00 F2 05   or banksÿÿÿÿ..ò.
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000000F0   79 62 E0 EA 1F 61 DE B6  49 F6 BC 3F 4C EF 38 C4   ybàê.aÞ¶Iö¼?Lï8Ä
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00000110   8A 4C 70 2B 6B F1 1D 5F  AC 00 00 00 00            ŠLp+kñ._¬....
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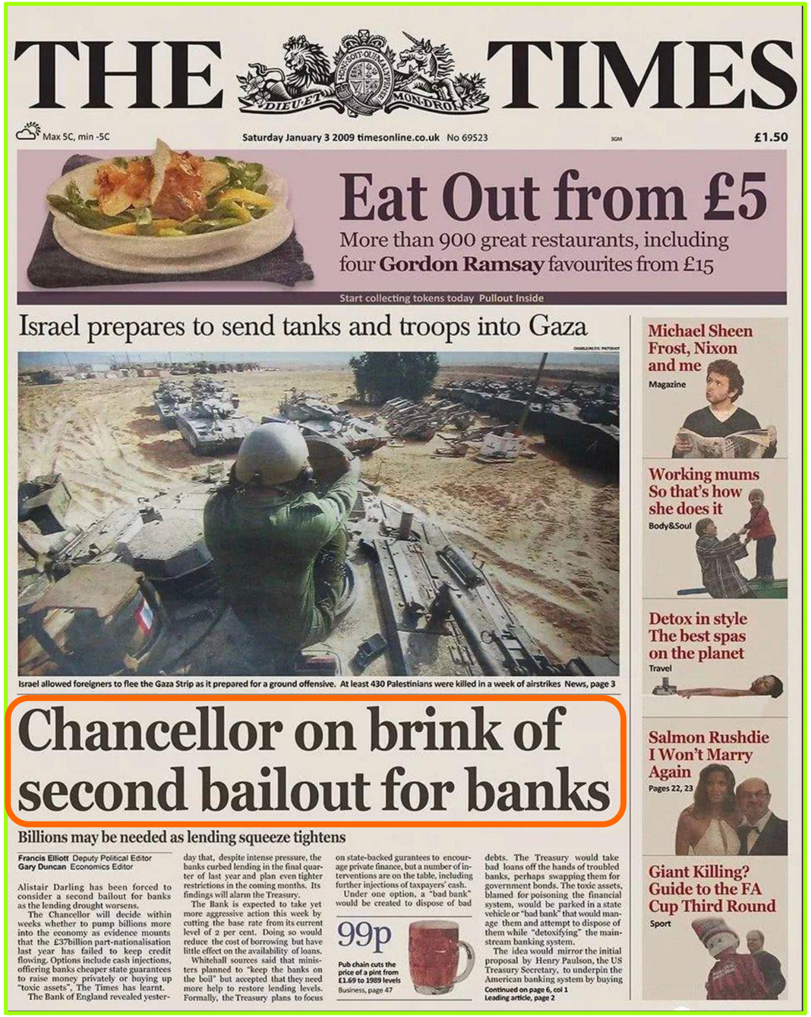
"Chanceler à beira do segundo resgate aos bancos"



THE TIMES

Max 5C, min -5C

Saturday January 3 2009 timesonline.co.uk No 69523

£1.50

Israel prepares to send tanks and troops into Gaza

Israel allowed foreigners to flee the Gaza Strip as it prepared for a ground offensive. At least 430 Palestinians were killed in a week of airstrikes News, page 3

Chancellor on brink of second bailout for banks

Billions may be needed as lending squeeze tightens

Francis Elliott Deputy Political Editor
Gary Duncan Economics Editor

Alistair Darling has been forced to consider a second bailout for banks as the lending drought worsens.

The Chancellor will decide within weeks whether to pump billions more into the economy as evidence mounts that the £37billion part-nationalisation last year has failed to keep credit flowing. Options include cash injections, offiering banks cheaper state guarantees to raise money privately or buying up "toxic assets", The Times has learnt.

The Bank of England revealed yesterday that, despite intense pressure, the banks curbed lending in the final quarter of last year and plan even tighter restrictions in the coming months. Its findings will alarm the Treasury.

The Bank is expected to take yet more aggressive action this week by cutting the base rate from its current level of 2 per cent. Doing so would reduce the cost of borrowing but have little effect on the availability of loans.

Whitehall sources said that ministers planned to "keep the banks on the boil" but accepted that they need more help to restore lending levels. Formally, the Treasury plans to focus on state-backed gurantees to encourage private finance, but a number of interventions are on the table, including further injections of taxpayers' cash.

Under one option, a "bad bank" would be created to dispose of bad debts. The Treasury would take bad loans off the hands of troubled banks, perhaps swapping them for government bonds. The toxic assets, blamed for poisoning the financial system, would be parked in a state vehicle or "bad bank" that would manage them and attempt to dispose of them while "detoxifying" the mainstream banking system.

The idea would mirror the initial proposal by Henry Paulson, the US Treasury Secretary, to underpin the American banking system by buying

Continued on page 6, col 1
Leading article, page 2

99p

Pub chain cuts the price of a pint from £1.69 to 1989 levels

Business, page 47

Michael Sheen Frost, Nixon and me

Magazine

Working mums So that's how she does it

Body&Soul

Detox in style The best spas on the planet

Travel

Salmon Rushdie I Won't Marry Again

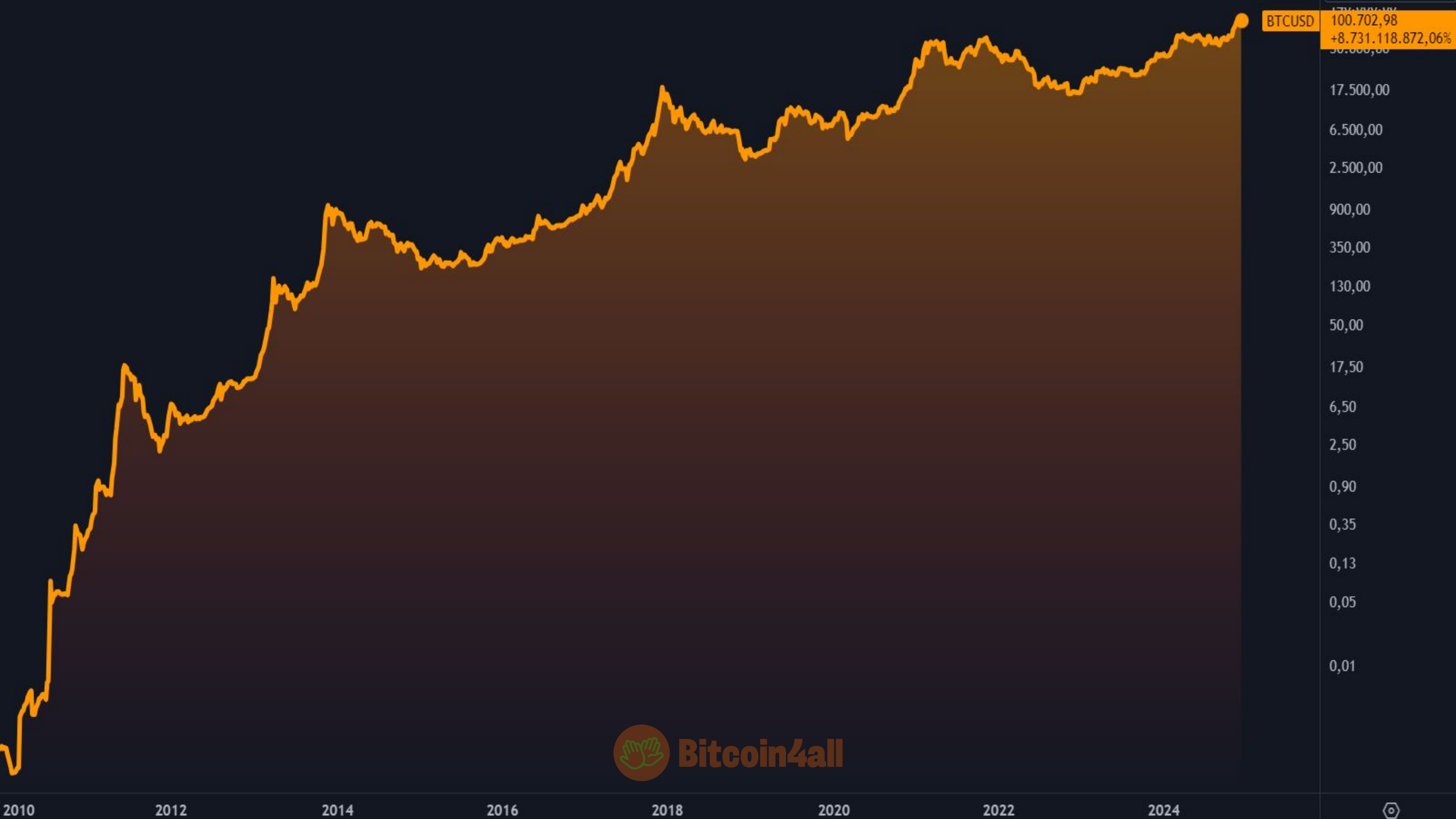
Pages 22, 23

Giant Killing? Guide to the FA Cup Third Round

Sport

LANÇAMENTO JUSTO

- Sem pré- mineração.
- Whitepaper divulgado 2 meses antes de começar a rodar a rede.
- Moedas sem valor por 1,5 anos e circularam livremente.
- Crescimento orgânico.
- Ao contrário de outros fundadores, Satoshi nunca vendeu.


BTCUSD
100.702,98
+8.731.118.872,06%
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130,00
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0,90
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0,13
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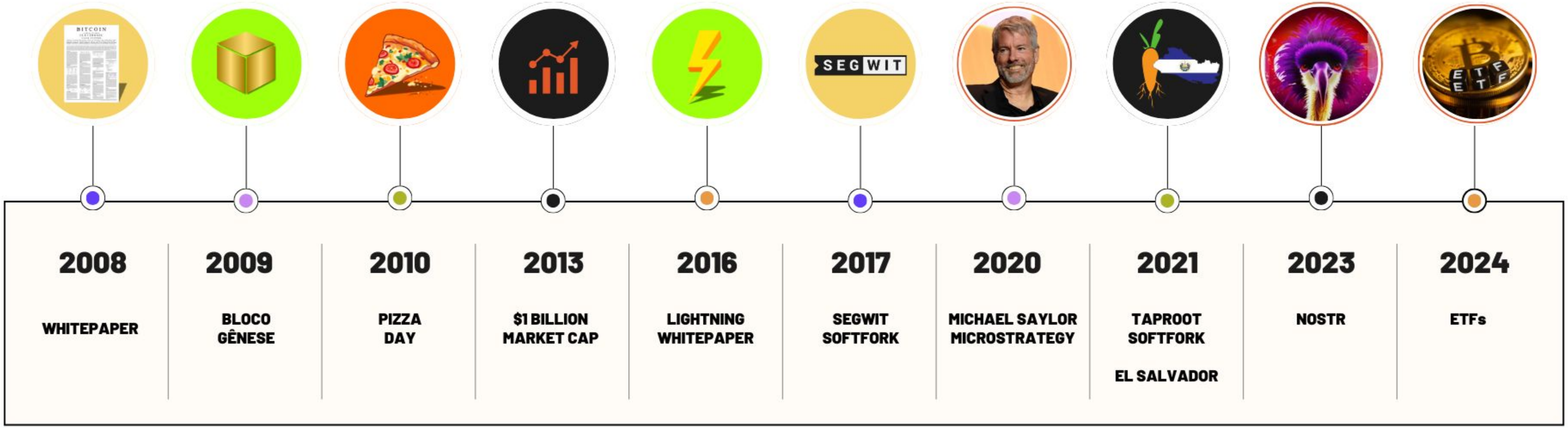
2010
2012
2014
2016
2018
2020
2022
2024
Bitcoin4all

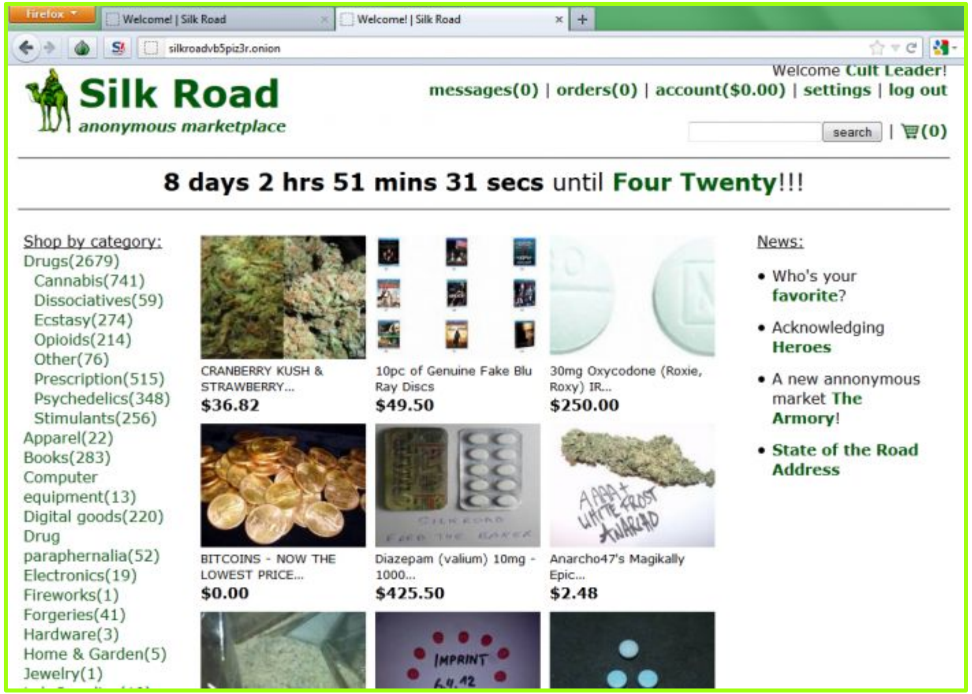
MARCOS NA HISTÓRIA DO BITCOIN



2008	2009	2010	2013	2016	2017	2020	2021	2023	2024
WHITEPAPER	BLOCO GÊNESE	PIZZA DAY	$1 BILLION MARKET CAP	LIGHTNING WHITEPAPER	SEGWIT SOFTFORK	MICHAEL SAYLOR MICROSTRATEGY	TAPROOT SOFTFORK EL SALVADOR	NOSTR	ETFs

Bitcoin4all

SILK ROAD E BITCOIN



Welcome Cult Leader!

messages(0) | orders(0) | account($0.00) | settings | log out

Silk Road

anonymous marketplace

search | (0)

8 days 2 hrs 51 mins 31 secs until **Four Twenty**!!!

Shop by category:

- Drugs(2679)
  - Cannabis(741)
  - Dissociatives(59)
  - Ecstasy(274)
  - Opioids(214)
  - Other(76)
  - Prescription(515)
  - Psychedelics(348)
  - Stimulants(256)
- Apparel(22)
- Books(283)
- Computer equipment(13)
- Digital goods(220)
- Drug paraphernalia(52)
- Electronics(19)
- Fireworks(1)
- Forgeries(41)
- Hardware(3)
- Home & Garden(5)
- Jewelry(1)

CRANBERRY KUSH & STRAWBERRY...
$36.82

10pc of Genuine Fake Blu Ray Discs
$49.50

30mg Oxycodone (Roxie, Roxy) IR...
$250.00

BITCOINS - NOW THE LOWEST PRICE...
$0.00

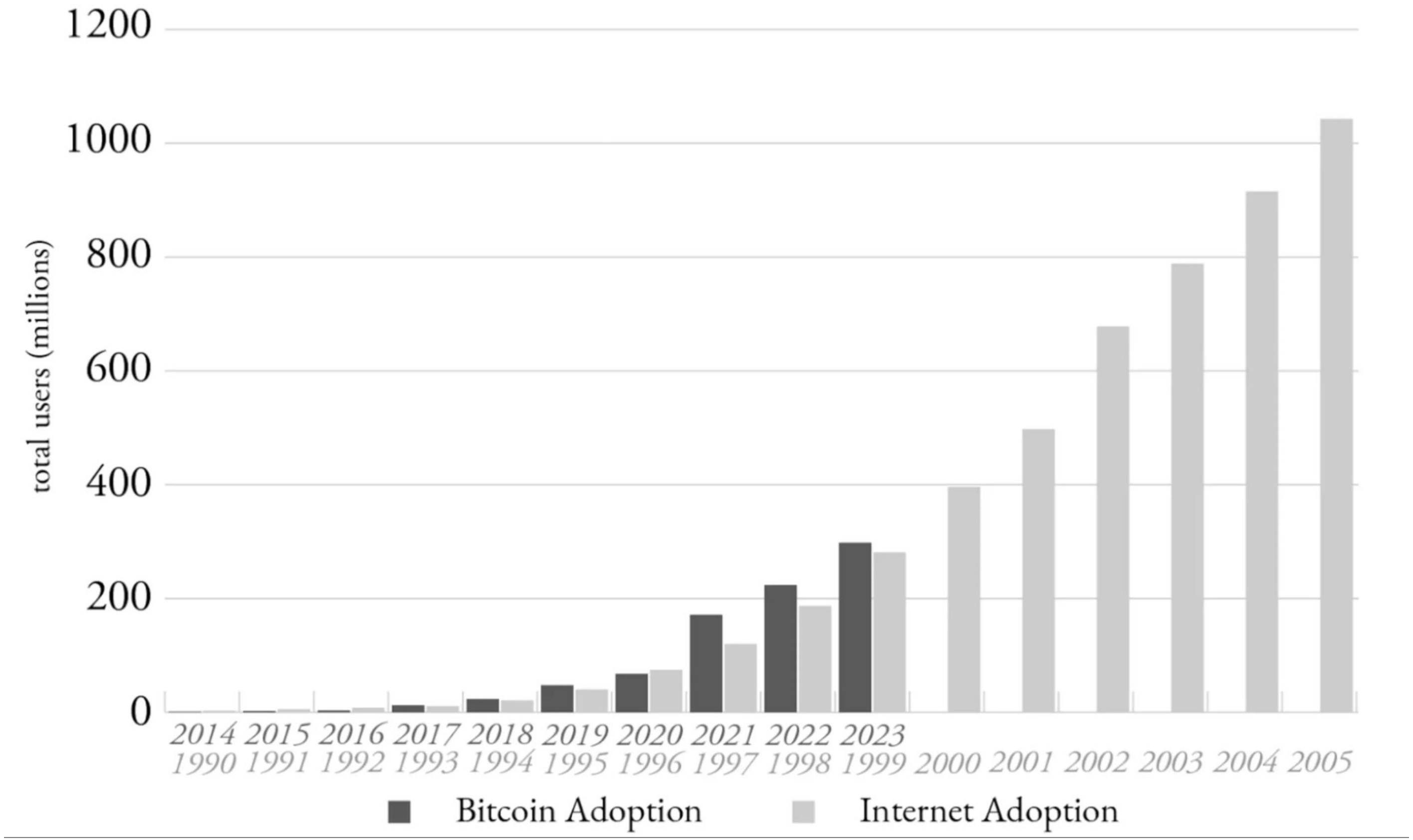
Diazepam (valium) 10mg - 1000...
$425.50

Anarcho47's Magikally Epic...
$2.48

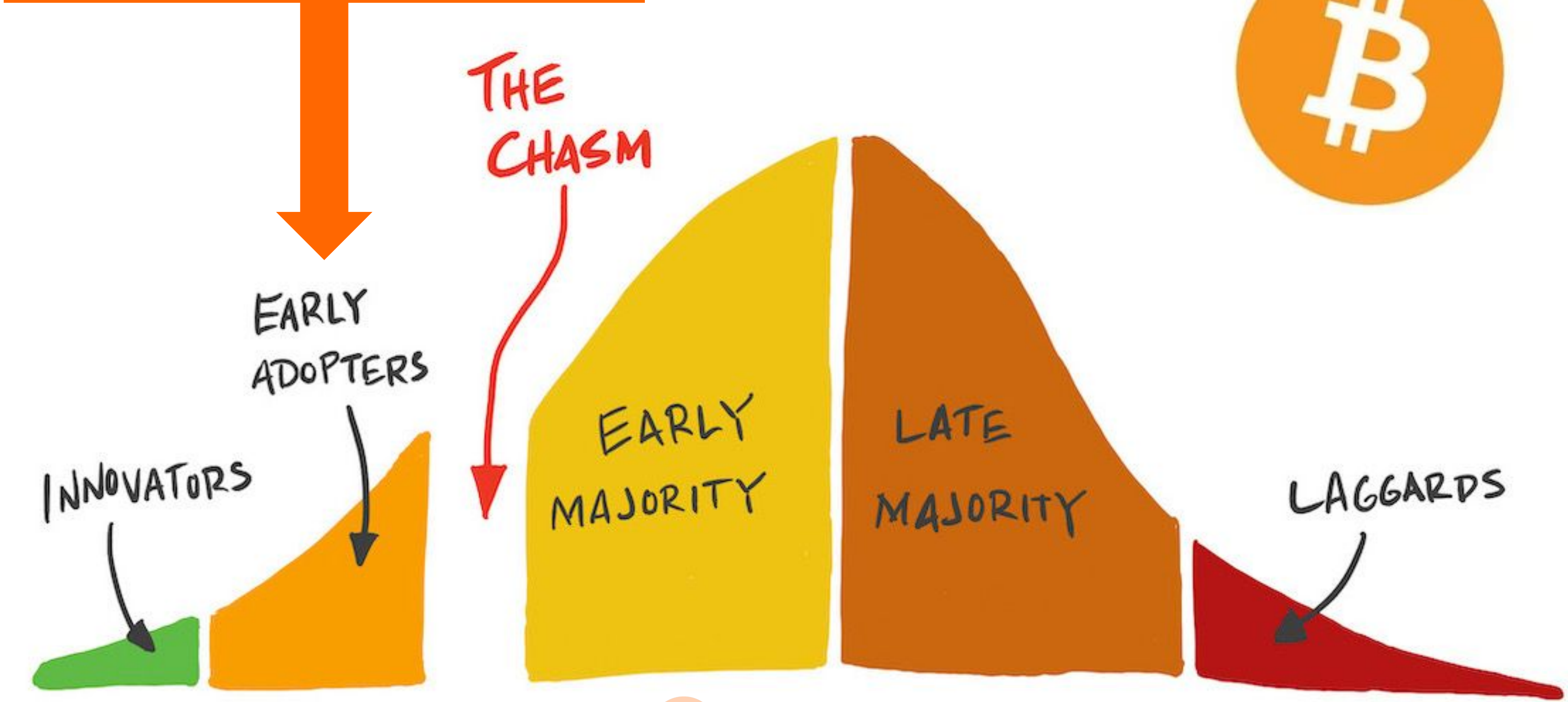
News:

- Who's your **favorite**?
- Acknowledging **Heroes**
- A new annonymous market **The Armory**!
- **State of the Road Address**

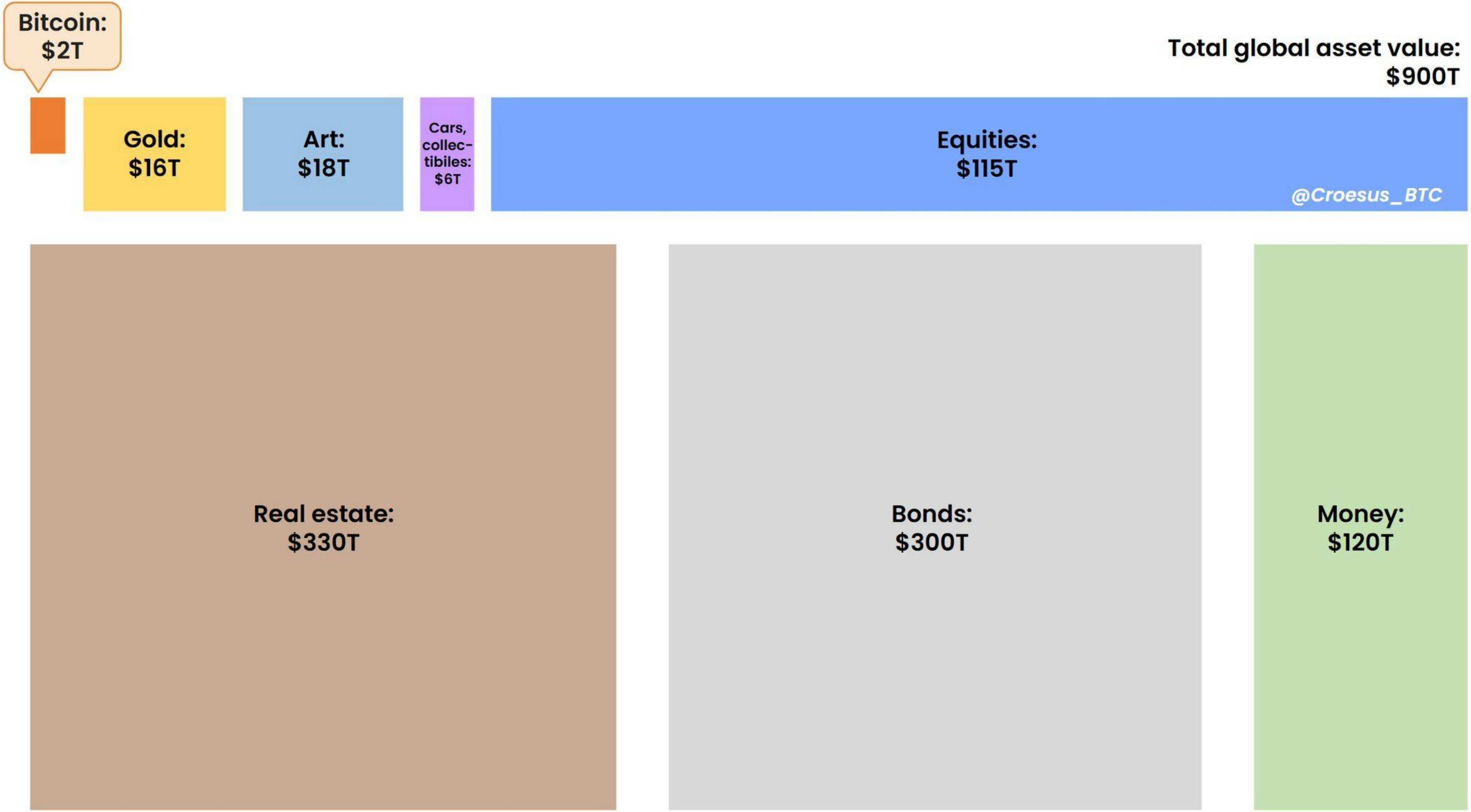
ADOÇÃO DO BITCOIN x ADOÇÃO DA INTERNET



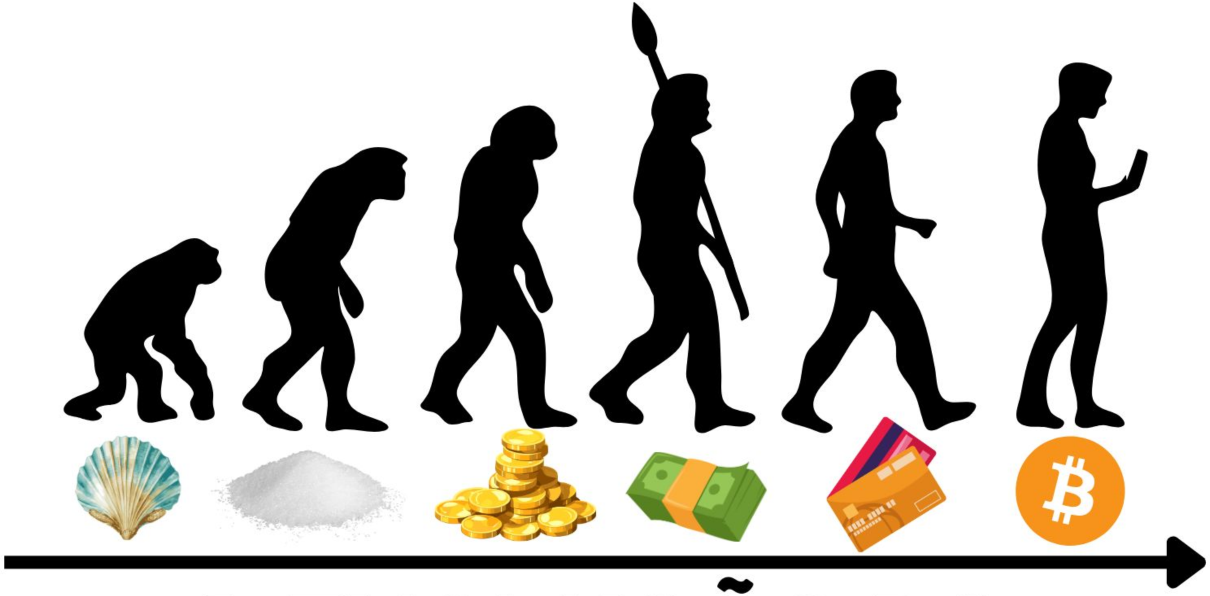
ESTAMOS AQUI



Total global asset value:
$900T

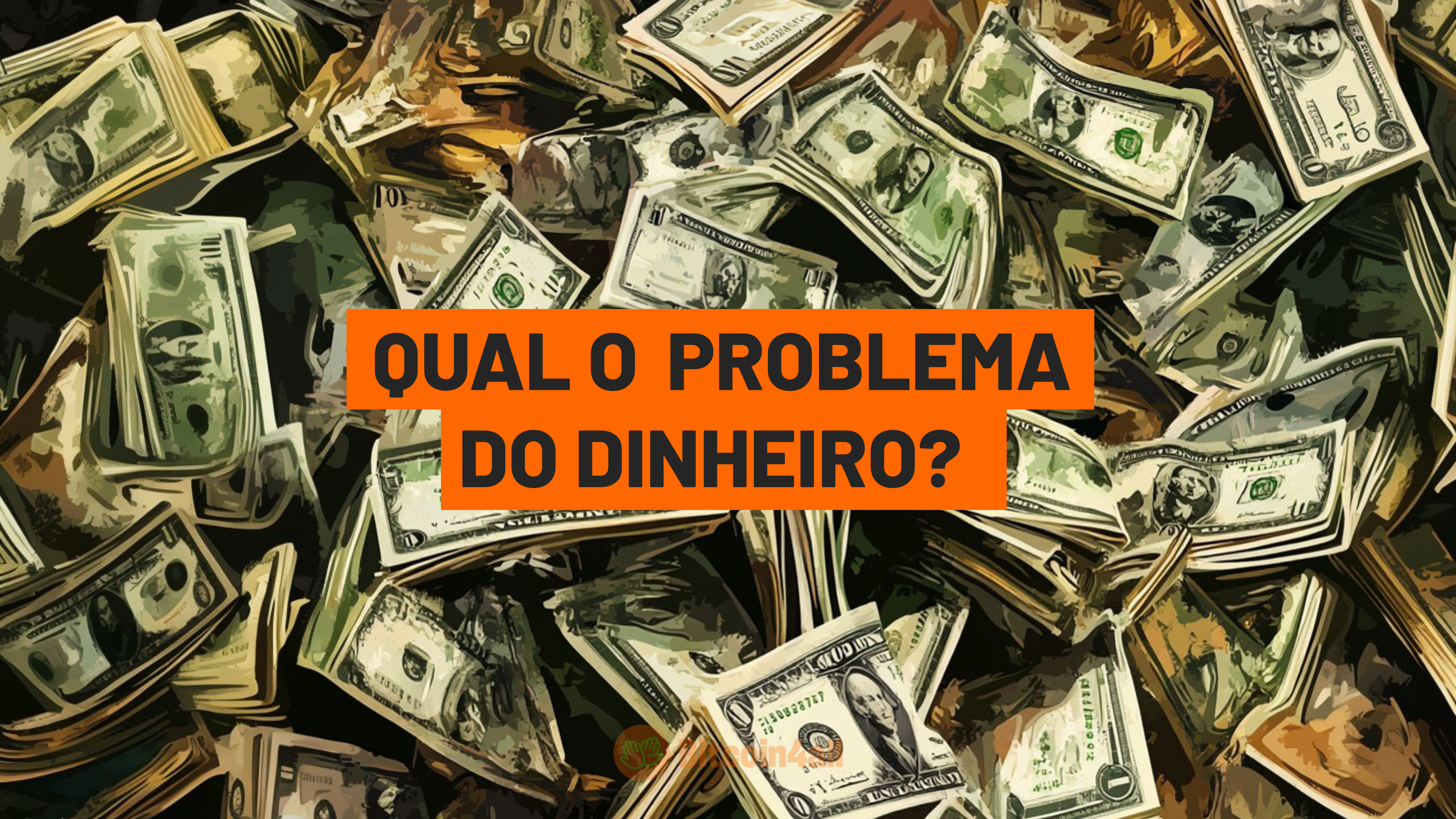


BITCOIN: UM DINHEIRO MELHOR



A EVOLUÇÃO DO DINHEIRO

Bitcoin4all



QUAL O PROBLEMA DO DINHEIRO?