



A GRANDE DIFERENÇA



Fiat: dinheiro por decreto
sem propriedades monetárias
naturais. Curso forçado é adoção
artificial pela força.

Dinheiro sólido:
adotado organicamente
por suas propriedades
monetárias naturais.



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A GRANDE DIFERENÇA

Estabilidade fictícia e
desvalorização constante

-97%



Volatilidade com
valorização crescente

+8Bi%



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PROPRIEDADES MONETÁRIAS

	 Durabilidade	 Divisibilidade	 Fungibilidade	 Portabilidade	 Verificabilidade	 Escassez	 Aceitação
	—	+	—	+	—	—	—
	+	—	+	—	—	+	+
	+	+	+	+	+	+	—

PROPRIEDADES MONETÁRIAS

	 Durabilidade	 Divisibilidade	 Fungibilidade	 Portabilidade	 Verificabilidade	 Escassez	 Aceitação
	-	+	-	+	-	-	-
	+	-	+	-	-	+	+
	+	+	+	+	+	+	-





PROPRIEDADES MONETÁRIAS

	 Durabilidade	 Divisibilidade	 Fungibilidade	 Portabilidade	 Verificabilidade	 Escassez	 Aceitação
	−	+	−	+	−	−	−
	+	−	+	−	−	+	+
	+	+	+	+	+	+	−



ULTRA DIVISÍVEL



0,00000001 BTC

100.000.000 satoshis = 1 Bitcoin

1 satoshi = 0,00000001 Bitcoin

Satoshi é a menor unidade de Bitcoin.

PROPRIEDADES MONETÁRIAS

	 Durabilidade	 Divisibilidade	 Fungibilidade	 Portabilidade	 Verificabilidade	 Escassez	 Aceitação
	—	+	—	+	—	—	—
	+	—	+	—	—	+	+
	+	+	+	+	+	+	—



PROPRIEDADES MONETÁRIAS

	 Durabilidade	 Divisibilidade	 Fungibilidade	 Portabilidade	 Verificabilidade	 Escassez	 Aceitação
	−	+	−	+	−	−	−
	+	−	+	−	−	+	+
	+	+	+	+	+	+	−



US NEWS

Plane passenger caught smuggling gold nuggets in rectum to avoid taxes

By Yaron Steinbuch

Published Oct. 16, 2020 | Updated Oct. 16, 2020, 12:23 p.m. ET



Indian customs officials say they found about 2 pounds in bullion shoved into a man's rectum.

Commissionerate of Customs (Preventive), Cochin



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Tuur Demeester 
@TuurDemeester



\$1.5 billion - in Gold and in Bitcoin.



190,236.05469146 BTC

4,966

4,053

4,966



9:32 PM · May 23, 2018 · Twitter Web Client

PROPRIEDADES MONETÁRIAS

	 Durabilidade	 Divisibilidade	 Fungibilidade	 Portabilidade	 Verificabilidade	 Escassez	 Aceitação
	−	+	−	+	−	−	−
	+	−	+	−	−	+	+
	+	+	+	+	+	+	−



Business

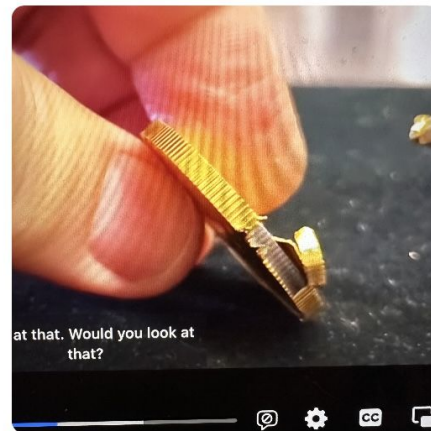
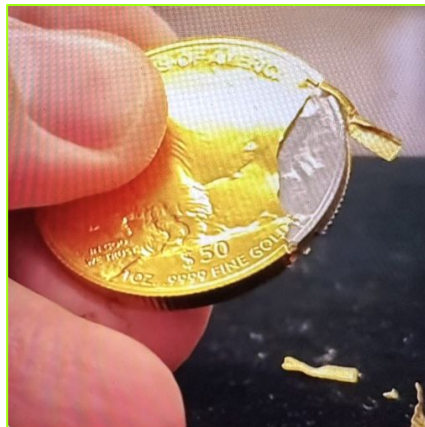
Chinese Jeweler Probed for Using Fake Gold Bars for Loans

By Yvonne Yue Li

July 15, 2020, 8:30 AM PDT

Updated on July 15, 2020, 12:12 PM PDT

- ▶ Government investigating 'integrity of gold': U.S.-listed firm
- ▶ Scale of alleged fraud 'simply staggering,' ex-Mint chief says



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COMANDOS DE VERIFICAÇÃO INDEPENDENTE

```
admin@raspberrypi:~ $ bitcoin-cli gettxoutsetinfo
{
  "height": 622752,
  "bestblock": "000000000000000000000000b412304c9d4fcd66c9f5a142a091cf74e90f3dd4901d2",
  "transactions": 39573460,
  "txouts": 66638662,
  "bogosity": 5005621034,
  "hash_serialized_2": "48b8adea1d3d57c0e4263537fb5e46e0c4e0930199c494207ea434de89a64fd4",
  "disk_size": 4019686684,
  "total_amount": 18284229.82099991
}
```

gettxoutsetinfo

GetBlockSubsidy

```
1068 CAmount GetBlockSubsidy(int nHeight, const Consensus::Params& consensusParams)
1069 {
1070     int halvings = nHeight / consensusParams.nSubsidyHalvingInterval;
1071     // Force block reward to zero when right shift is undefined.
1072     if (halvings >= 64)
1073         return 0;
1074
1075     CAmount nSubsidy = 50 * COIN;
1076     // Subsidy is cut in half every 210,000 blocks which will occur approximately every 4 years.
1077     nSubsidy >>= halvings;
1078     return nSubsidy;
1079 }
1080
```



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PROPRIEDADES MONETÁRIAS

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	−	+	−	+	−	−	−
	+	−	+	−	−	+	+
	+	+	+	+	+	+	−

NOVAS JAZIDAS DE OURO



NOVAS JAZIDAS DE OURO



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NOVAS JAZIDAS DE OURO: ASTERÓIDE

Did you know this asteroid is full of gold and costs a whopping \$100,000 quadrillion

TOI Lifestyle Desk / etimes.in / Updated: Jul 29, 2024, 09:21 IST



The asteroid 16 Psyche, valued at \$100,000 quadrillion for its precious metal content, intrigues scientists and space enthusiasts. NASA's Psyche mission, launched in 2023, aims to explore this unique celestial body, potentially the exposed core of a protoplanet. However, challenges such as nascent mining technology and



An artist's rendition of the asteroid 16 Psyche which has an incredible worth of \$100,000 quadrillion. Source: NASA

The asteroid 16 Psyche, located in the asteroid belt between Mars and Jupiter, has captured the imagination of scientists and space enthusiasts alike. This metal-rich asteroid is estimated to be worth a staggering \$100,000 quadrillion due to its abundant reserves of precious metals, including gold, platinum, and nickel. Discovered in 1852 by Italian astronomer Annibale de Gasparis, 16 Psyche is about 140 miles in diameter, making it one of the largest asteroids in the asteroid belt.



NOVAS JAZIDAS DE OURO: OCEANO

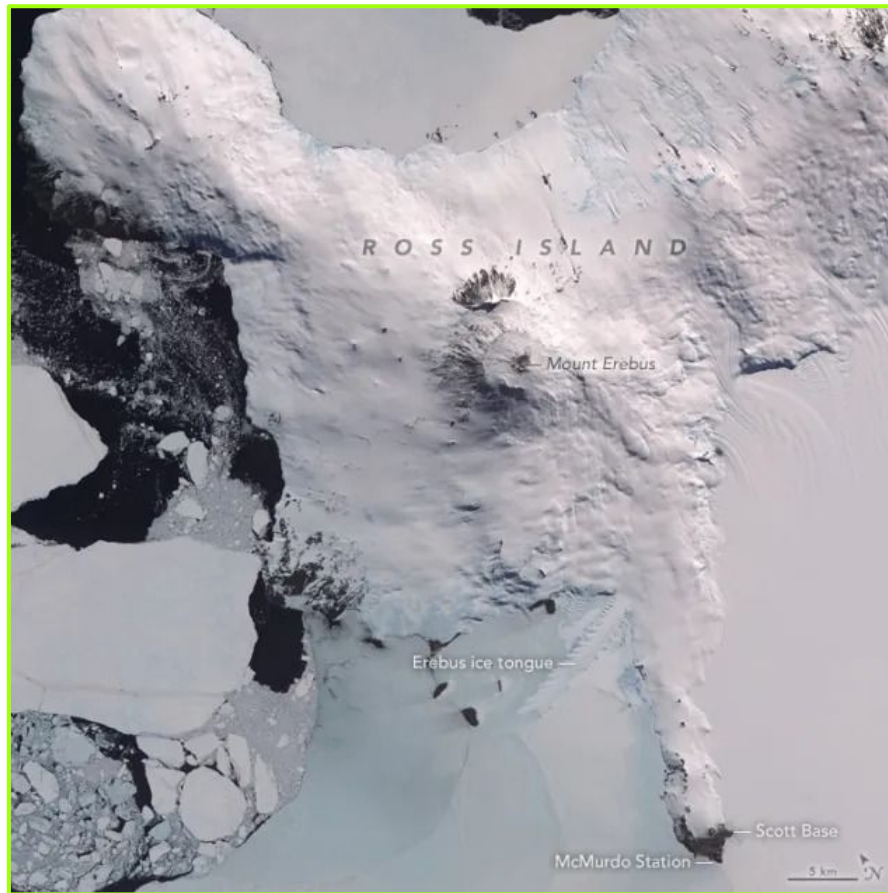
Deep-sea mining: A new gold rush or environmental disaster?

Environmentalists warn deep-sea mining could cause major damage to unknown ecosystems, yet mining companies argue it is the key to the energy transition.



Many scientists and conservationists are calling for a pause or moratorium on plans for deep-sea mining [Gustavo Graf/Reuters]





Geophysical Research Letters*

Emission of elemental gold particles from Mount Erebus, Ross Island, Antarctica

Kimberly A. Meeker, Ray L. Chuan, Philip R. Kyle, Julie M. Palais

First published: August 1991 | <https://doi.org/10.1029/91GL01928> | Citations: 33

PDF TOOLS SHARE

Abstract

Volcanoes are an important source of gases and aerosols in the atmosphere. Significant quantities of trace elements are emitted as vapor species [Nriagu, 1989; Symonds *et al.*, 1987] and are strongly enriched in the gas relative to the magma [Tazieff and Sabroux, 1983; Crowe *et al.*, 1987]. After eruption the trace elements condense on ash and other particles or they form sublimates and agglomerates. Here we report on the emission of gold (Au) from Mount Erebus, Antarctica. Although the flux of emitted Au is low compared to other volcanoes, crystalline particulate Au has been found in the plume near the crater, in ambient air up to 1000 km from the volcano and in near surface samples. Vapor phase transport of Au may occur as a chloride species and could be an important transport mechanism in crystallizing magmatic intrusions.

References

BITCOIN MAIS ESCASSO QUE OURO

Asset	Total Stockpiles	Ann. Supply Increase	Annual Inflation	Stock-to-Flow Ratio
U.S. Dollars (M2, billions)	20,757	1,591	7.5%*	13.3
Bitcoin, today	19,478,625	328,500	1.70%	59.3
Gold (metric tons)	187,000	2,500	1.34%	74.8
Bitcoin, after 2024 halving	19,687,500	164,250	0.83%	119.9

*based on 10 year average



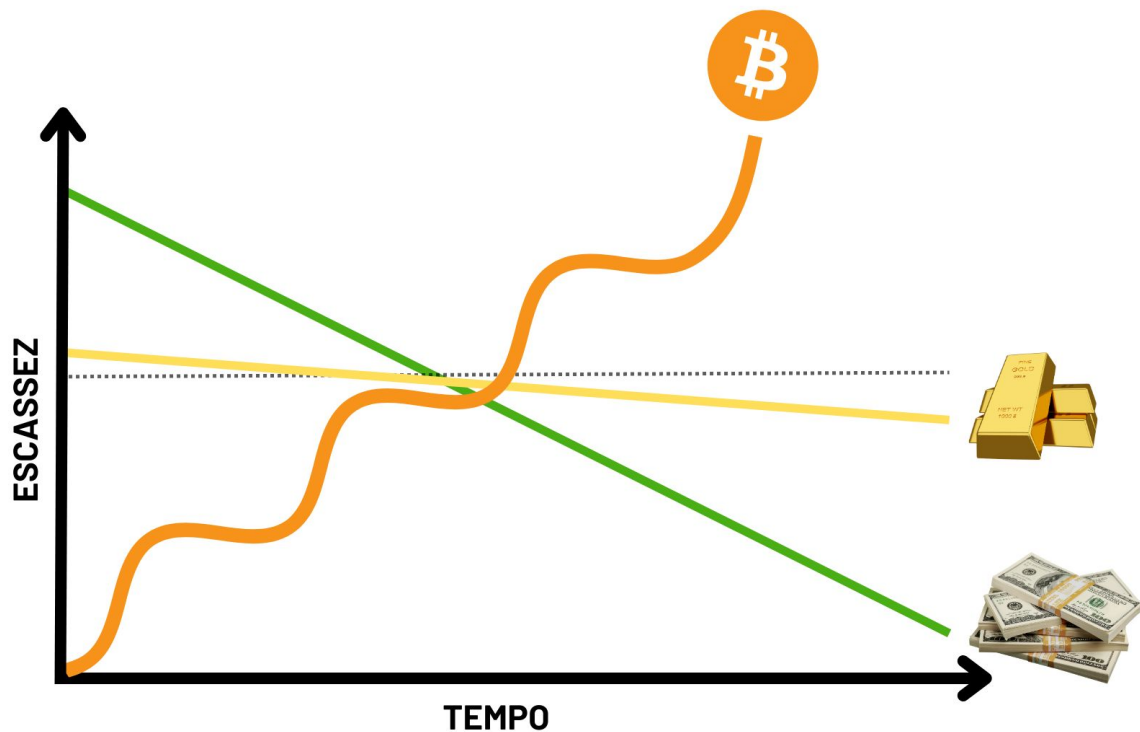
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BITCOIN MATEMATICAMENTE ESCASSO

$$\sum_{i=0}^{32} 210,000 * \left\lceil \frac{50}{2^i} \right\rceil$$



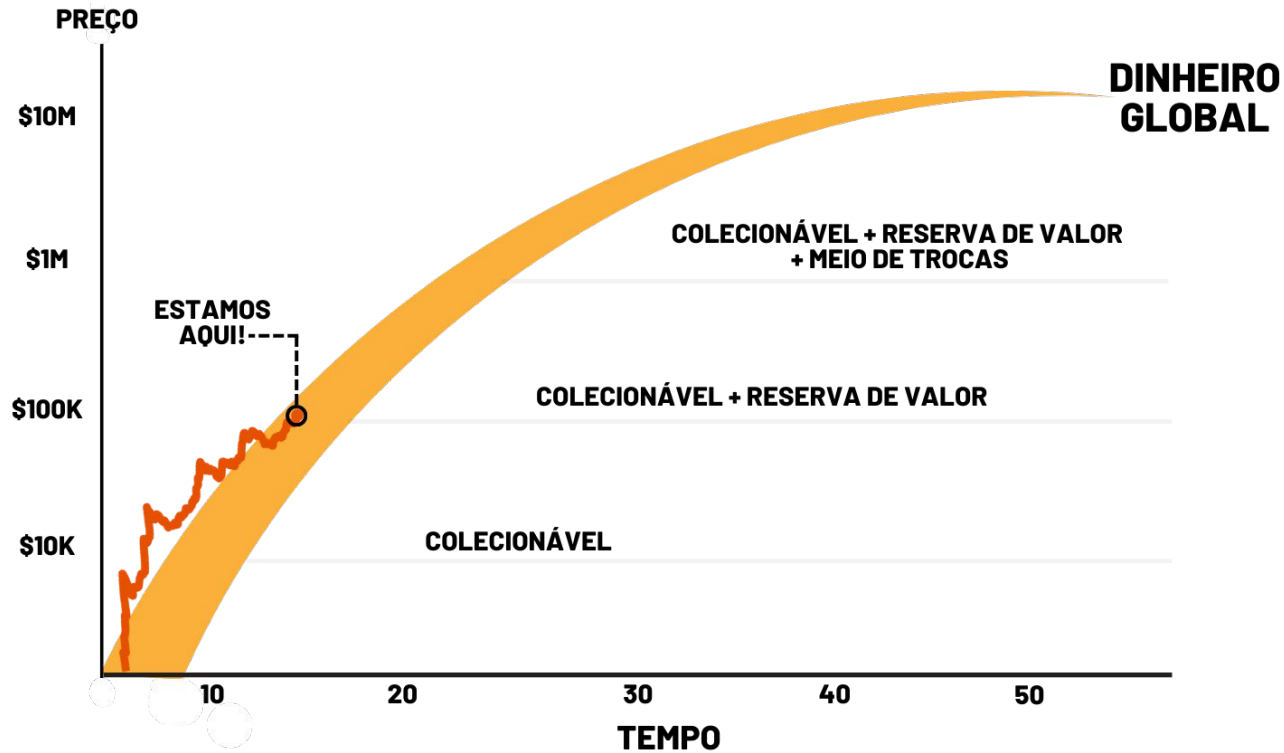
TEMPO vs ESCASSEZ



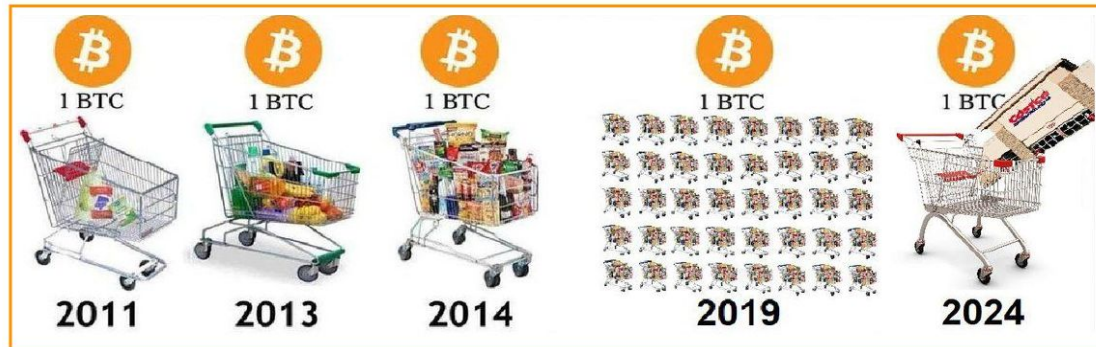
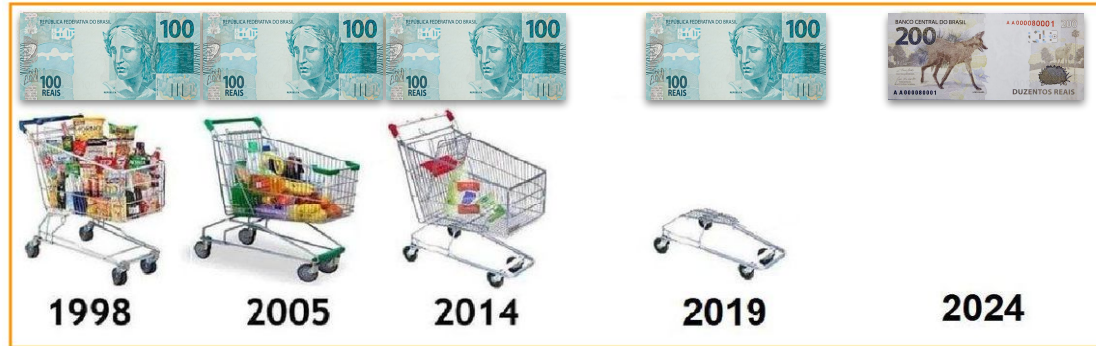
PROPRIEDADES MONETÁRIAS

	 Durabilidade	 Divisibilidade	 Fungibilidade	 Portabilidade	 Verificabilidade	 Escassez	 Aceitação
	−	+	−	+	−	−	−
	+	−	+	−	−	+	+
	+	+	+	+	+	+	−

CURVA DE ADOÇÃO DO BITCOIN



A GRANDE DIFERENÇA



● XAU/BTCUSD · 1M · TVC

0,00 +0,00 (+2,16%)



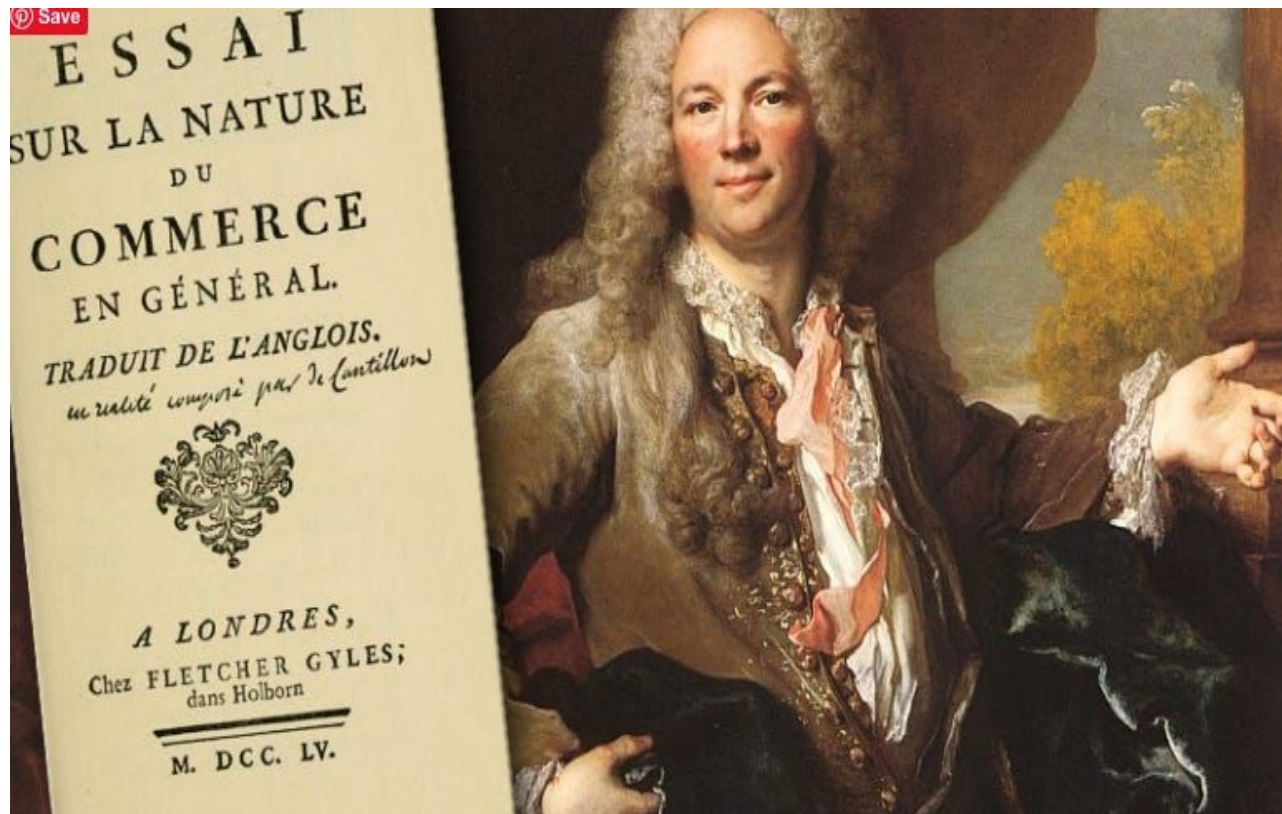
TradingView

XAU/BTCUSD 0,00
-100,00%

**BITCOIN É UM
DINHEIRO MAIS
JUSTO**



EFEITO CANTILLON



FLUXO DO DINHEIRO NOVO ATRAVÉS DO SISTEMA

**ORDEM DE ACESSO
AO DINHEIRO
RECÉM CRIADO**



BANCOS CENTRAIS



**BANCOS COMERCIAIS
CORPORAÇÕES**



EMPRESAS



PESSOAS

**IMPACTO SUBIDA
DE PREÇOS**



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EFEITO NAKAMOTO

**ORDEM DE ACESSO
AO BITCOIN
RECÉM CRIADO**



PESSOAS



EMPRESAS



**BANCOS COMERCIAIS
CORPORAÇÕES**



BANCOS CENTRAIS

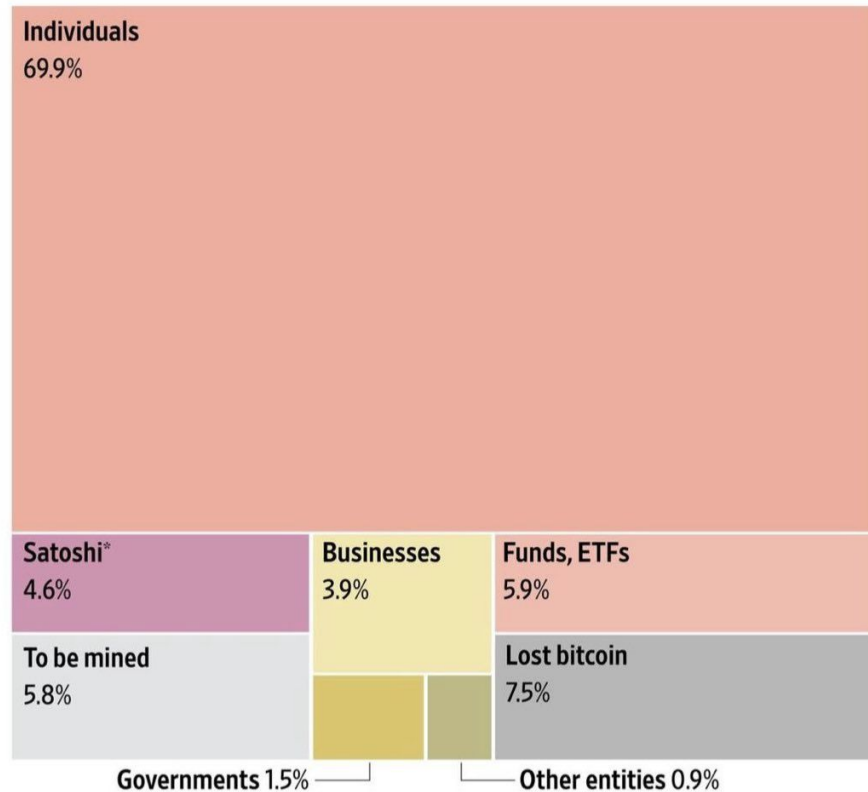
**IMPACTO SUBIDA
DE PREÇOS**



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DISTRIBUIÇÃO DA OFERTA DE BITCOIN

Estimated distribution of bitcoin supply



*Satoshi Nakamoto, pseudonymous bitcoin creator | Source: River

CRIAÇÃO JUSTA DO BITCOIN



TRANSPARENTE

21M

PREVISÍVEL



LIVRE ACESSO



UNIVERSAL

EFEITO DE REDE



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SISTEMA FIAT



MOEDA



BANCOS COMERCIAIS



BANCOS CENTRAIS

SISTEMA FIAT



MOEDA



BANCOS COMERCIAIS



BANCOS CENTRAIS

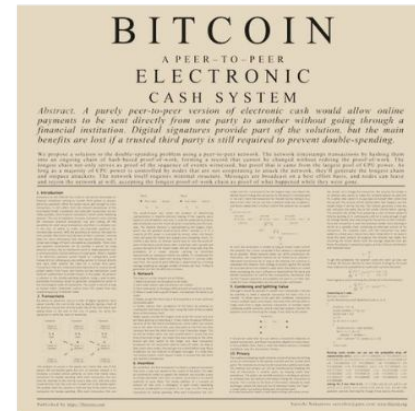
BITCOIN É 3 EM 1



DINHEIRO



REDE P2P



**POLÍTICA MONETÁRIA
INDEPENDENTE**