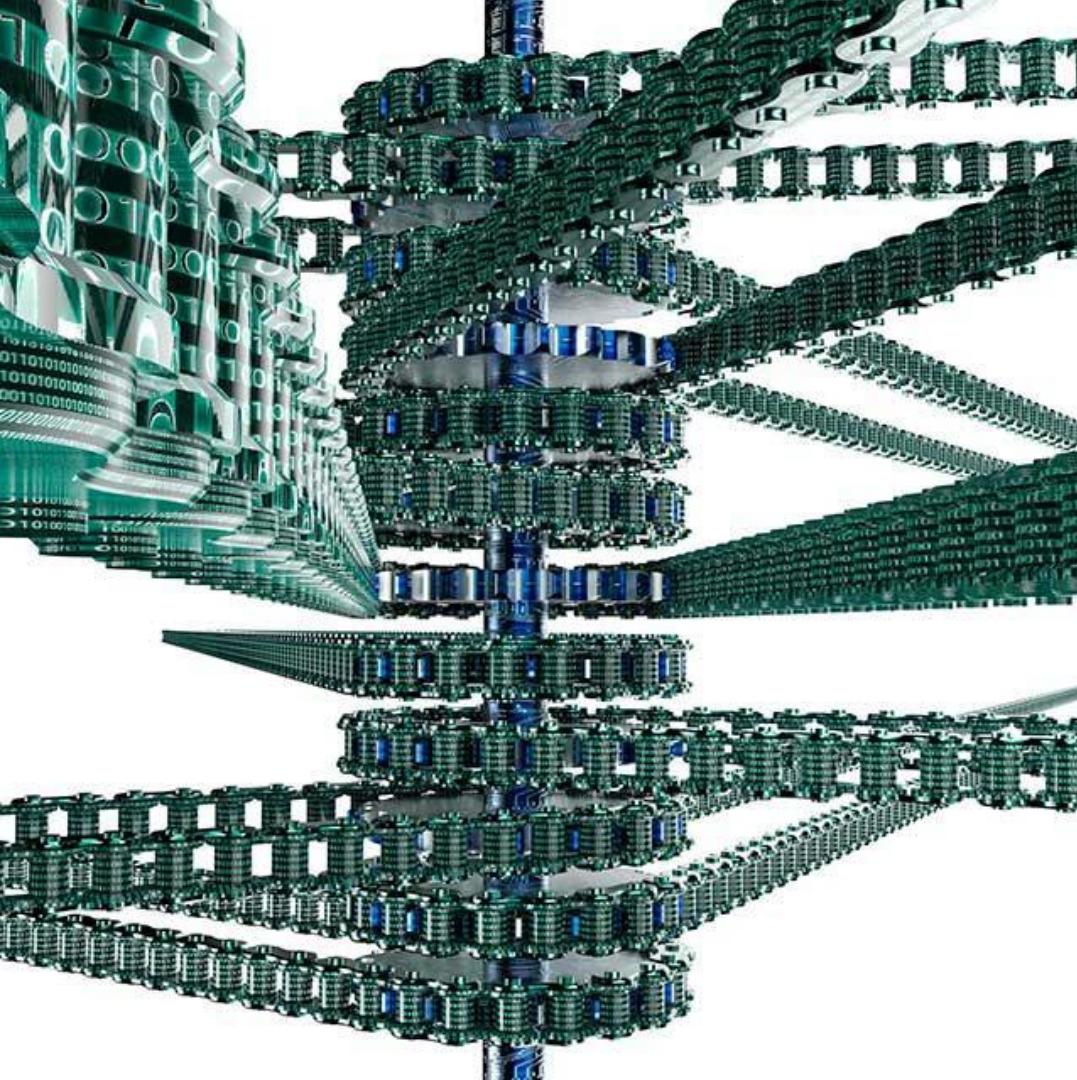


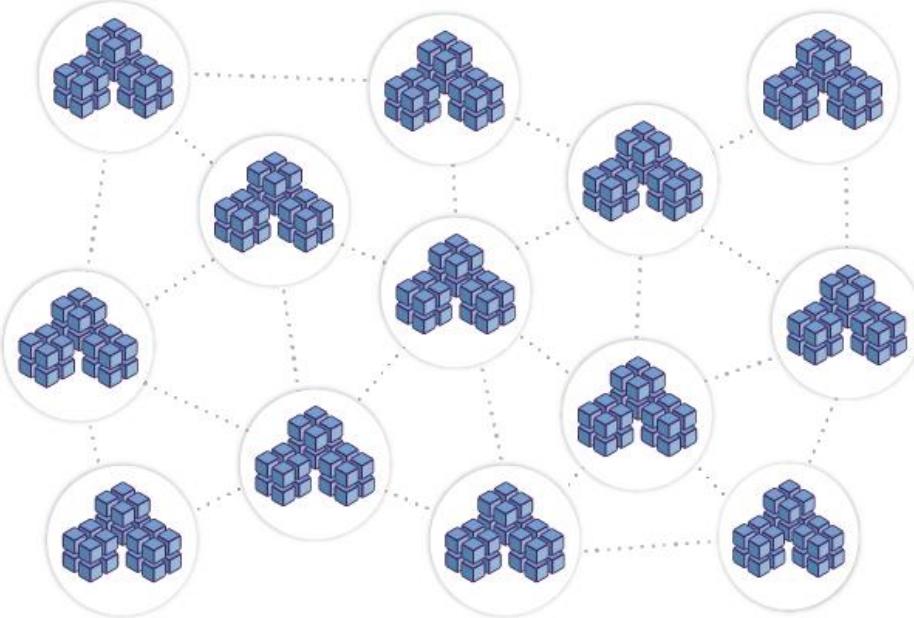
# BLOCKCHAIN

Cadena de Bloques

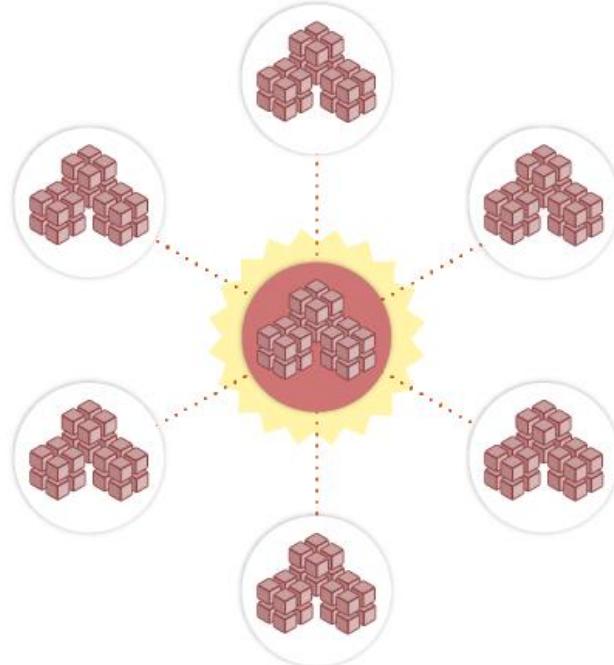


*Blockchain* es una tecnología diseñada para administrar un registro de datos online, caracterizada por ser transparente y prácticamente incorruptible.

- Resistente a la censura
- Fin de la centralización de datos
- No requiere de terceras partes
- Smart Contract y su integración con IOT
- La información no puede ser modificada o borrada (trazabilidad)



**Red distribuida**



**Red centralizada**

# Casos de uso

## DISTRIBUCIÓN GLOBAL DE NODOS DE BITCOIN

Nodos accesibles a partir del martes 26 de noviembre de 2019 22:51:38 GMT-0300 (hora estándar de Argentina).

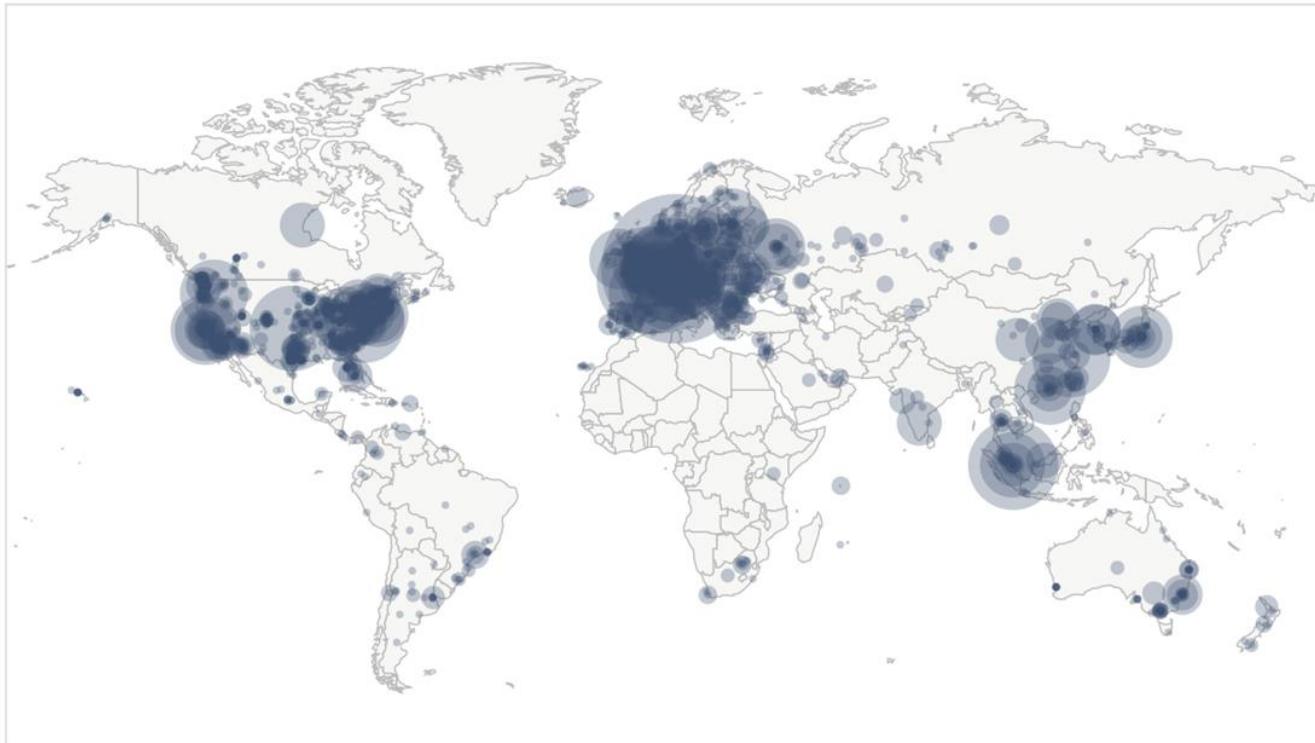
# 9472 NODOS

[Gráficos de 24 horas »](#)

Los 10 principales países con su respectivo número de nodos alcanzables son los siguientes.

| RANGO | PAÍS            | NODOS         |
|-------|-----------------|---------------|
| 1     | Estados Unidos  | 2464 (26,01%) |
| 2     | Alemania        | 1892 (19,97%) |
| 3     | Francia         | 601 (6,35%)   |
| 4     | Países Bajos    | 504 (5,32%)   |
| 5     | Singapur        | 351 (3,71%)   |
| 6     | Canadá          | 347 (3,66%)   |
| 7     | Reino Unido     | 334 (3,53%)   |
| 8     | China           | 301 (3,18%)   |
| 9     | Federación Rusa | 225 (2,38%)   |
| 10    | Japón           | 200 (2,11%)   |

[Más \(96\) »](#)



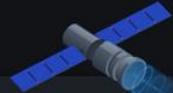
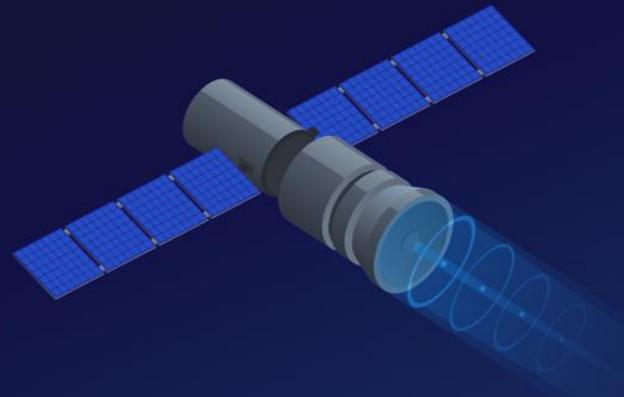
[MAPA EN VIVO](#)

Aunque la red se caiga, con que solo uno de esos nodos no lo haga, la información no se perderá”



# Blockstream SATELLITE

Blockstream has taken Bitcoin into space. The Blockstream Satellite network broadcasts the Bitcoin blockchain around the world 24/7 for free, protecting against network interruptions and providing anyone in the world with the opportunity to use Bitcoin.

[Learn More](#)

## Cobertura satelital

Mapa de cobertura detallado para cada satélite en la red.



## Proyecto GitHub

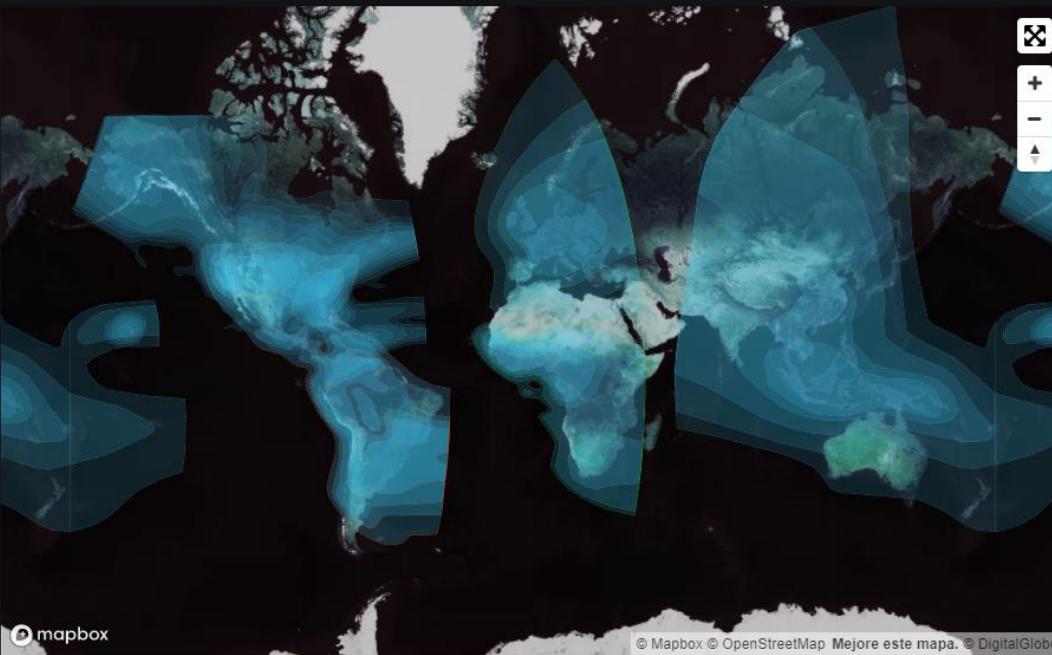
Visite nuestro proyecto de código abierto y obtenga asistencia con nuestro software.



## Herramienta de alineación de plato

Encuentre fácilmente la dirección exacta para señalar su plato.





**GALAXY 18**

Norteamérica

Long.: 123 O

Frec.: 12022,85 MHz

Pol.: Horizontal



**EUTELSAT 113**

Sudamérica

Long.: 113 O

Frec.: 12026,15 MHz

Pol.: Vertical



**TELSTAR 11N**

África

Long.: 37,5 O

Frec.: 11476,75 MHz

Pol.: Horizontal



**TELSTAR 11N**

Europa

Long.: 37,5 O

Frec.: 11504,02 MHz

Pol.: Vertical



**TELSTAR 18V**

Asia

Long: 138 E

Frec: 4057.5 Mhz

Pol: Horizontal

Encuentre su billetera y empiece a hacer pagos con usuarios y comerciantes.



ArcBit



Bitcoin  
Core



Bitcoin  
Knots



BitGo



Electrum



Green  
Address



mSIGNA



Armory



Bither

Encuentre su billetera y empiece a hacer pagos con usuarios y comerciantes.



Escritorio



Hardware



Móvil



Web



Coinapult



Coinbase



Coin.Space



Green  
Address



BitGo



BTC.com



Xapo



Airbitz



ArcBit



Bitcoin  
Wallet



Bither



breadwallet



BTC.com



Coin.Space



Electrum



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GreenBits



Mycelium



Simple  
Bitcoin



Escritorio



Hardware



Móvil



Web



ArcBit



Bither



breadwallet



BTC.com



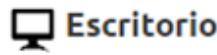
Coin.Space



Green  
Address



Airbitz



Escritorio



Hardware



Móvil



Web



KeepKey



Ledger  
Nano



Ledger  
Nano S



Trezor



Digital  
Bitbox



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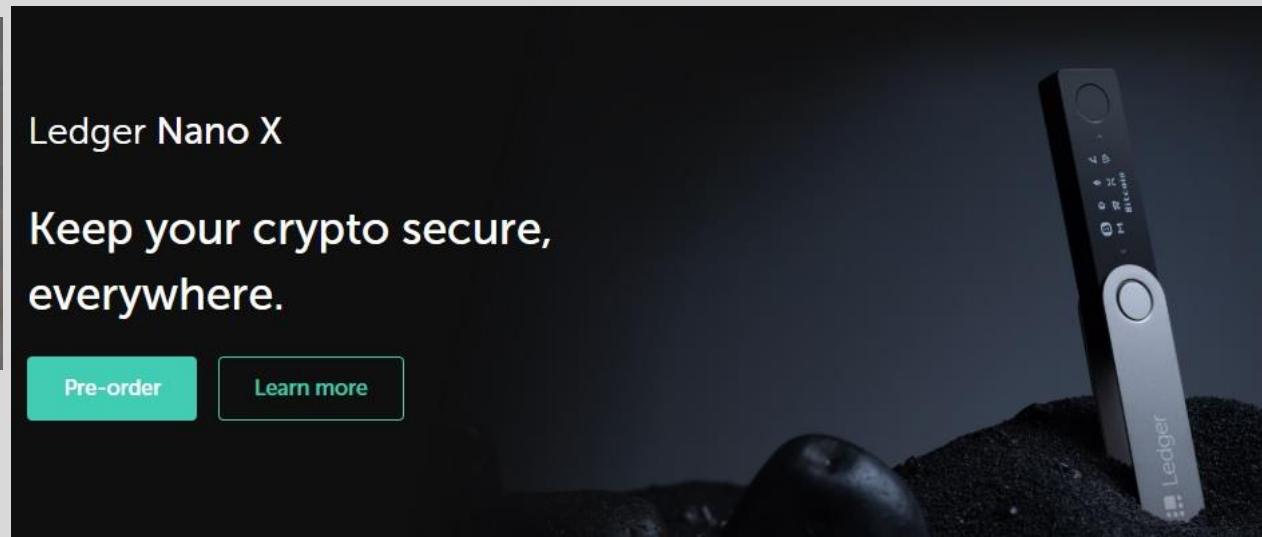


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## Public

ZCL Address



t1QUE6StEKfdaFTANPqF2bFBxK  
CqjxNhEKg

## Secret

Private Key



Kyx4Aaz9CcZMeRsmqTpNStbK  
GmRsCtgjWCQNLbqJcryRWj4W  
5Xxoz

# Tabla de relación Btc/Usd

$1 * 10^{-8}$

| BTC        | U\$S     |
|------------|----------|
| 1          | 4500     |
| 0.1        | 450      |
| 0.01       | 45       |
| 0.001      | 4.5      |
| 0.0001     | 0.45     |
| 0.00001    | 0.045    |
| 0.000001   | 0.0045   |
| 0.0000001  | 0.00045  |
| 0.00000001 | 0.000045 |

Unidad mínima Satoshi

[Charts](#)[Markets](#)[Social](#)[Tools](#)[Historical Data](#)

## Bitcoin Charts

[Zoom](#) [1d](#) [7d](#) [1m](#) [3m](#) [1y](#) [YTD](#) [ALL](#)From [Apr 28, 2013](#) To [Sep 26, 2017](#)[Market Cap](#) [Price \(USD\)](#) [Price \(BTC\)](#) [24h Vol](#)[Linear Scale](#) [Log Scale](#)

coinmarketcap.com

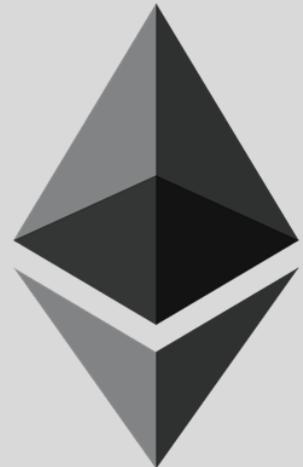
## Historical Snapshot - January 01, 2017

| USD ▾ |                  |        |                  |            |                  |              |        |        | <a href="#">← Previous Week</a> | <a href="#">Next Week →</a> | <a href="#">View All</a> |
|-------|------------------|--------|------------------|------------|------------------|--------------|--------|--------|---------------------------------|-----------------------------|--------------------------|
| ▲ #   | Name             | Symbol | Market Cap       | Price      | Available Supply | Volume (24h) | % 1h   | % 24h  | % 7d                            |                             |                          |
| 1     | Bitcoin          | BTC    | \$15,482,057,104 | \$963.06   | 16,075,850       | \$83,178,589 | 0.10%  | 1.09%  | 9.59%                           |                             |                          |
| 2     | Ethereum         | ETH    | \$722,829,967    | \$8.26     | 87,469,764       | \$10,353,757 | 0.22%  | 2.99%  | 13.41%                          |                             |                          |
| 3     | Ripple           | XRP    | \$237,638,345    | \$0.006540 | 36,337,298,649 * | \$260,302    | 0.09%  | 2.10%  | 2.49%                           |                             |                          |
| 4     | Litecoin         | LTC    | \$214,726,272    | \$4.37     | 49,134,311       | \$8,586,509  | 0.17%  | 1.09%  | 0.48%                           |                             |                          |
| 5     | Monero           | XMR    | \$185,582,499    | \$13.58    | 13,663,207       | \$4,050,544  | -0.08% | 4.33%  | 41.11%                          |                             |                          |
| 6     | Ethereum Classic | ETC    | \$127,129,044    | \$1.45     | 87,419,695       | \$3,049,350  | 0.13%  | 1.91%  | 32.06%                          |                             |                          |
| 7     | Dash             | DASH   | \$78,695,538     | \$11.26    | 6,991,229        | \$3,266,181  | 0.19%  | 1.72%  | 13.56%                          |                             |                          |
| 8     | MaidSafeCoin     | MAID   | \$44,886,080     | \$0.099184 | 452,552,412 *    | \$285,343    | 0.03%  | -2.59% | -4.82%                          |                             |                          |
| 9     | Augur            | REP    | \$41,714,289     | \$3.79     | 11,000,000 *     | \$246,763    | 0.07%  | -0.71% | 31.37%                          |                             |                          |
| 10    | Steem            | STEEM  | \$39,078,093     | \$0.170216 | 229,579,712      | \$88,133     | -0.20% | 3.54%  | 27.52%                          |                             |                          |
| 11    | NEM              | XEM    | \$32,994,492     | \$0.003666 | 8,999,999,999 *  | \$22,321     | -0.00% | -1.30% | 1.42%                           |                             |                          |



The background features a world map with a complex network of blue lines connecting various points, symbolizing global connectivity. Overlaid on this network are numerous small, semi-transparent white circles containing the text "Creative MARKET". In the center of the image is the iconic Ethereum logo, a white 3D hexagonal prism. Below the logo, the word "ethereum" is written in a large, lowercase, white sans-serif font.

ethereum



# ethereum



# Solidity



Solidity es un lenguaje de alto nivel orientado a contratos. Su sintaxis es similar a la de JavaScript y está enfocado específicamente a la Máquina Virtual de Ethereum (EVM).

Solidity está tipado de manera estática y acepta, entre otras cosas, herencias, librerías y tipos complejos definidos por el usuario.

Como verá, es posible crear contratos para votar, para el crowdfunding, para subastas a ciegas, para monederos muti firmas, y mucho más.

Join the official 2019 Python Developers Survey:

[Start the survey!](#)

pip install serpent



Last released: Mar 10, 2019

Serialization based on `ast.literal_eval`

## Navigation

Project description

Release history

Download files

---

## Statistics

## Project description

Serpent is a simple serialization library based on `ast.literal_eval`.

Because it only serializes literals and recreates the objects using `ast.literal_eval()`, the serialized data is safe to transport to other machines (over the network for instance) and de-serialize it there.

*There is also a Java and a .NET (C#) implementation available. This allows for easy data transfer between the various ecosystems. You can get the full source distribution, a Java .jar file, and a .NET assembly dll. The java library can be obtained from Maven central (groupid `net.razorvine` artifactid `serpent`), and the .NET assembly can be obtained from Nuget.org (package `Razorvine.Serpent`).*



My Ether Wallet

[www.MyEtherWallet.com](http://www.MyEtherWallet.com)



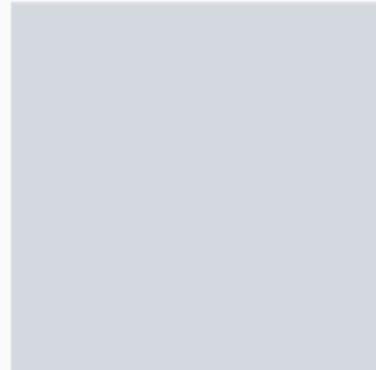
YOUR ADDRESS

Your Address:

0x98c037eED65031a5EC084ceD096D15F548cf5Afc

Your Private Key:

19e66d68ca18e03ed0b2d89769837ac58a9475a51ef959b654101265e9b7fcfcd4



AMOUNT / NOTES



Always look for this icon  
when sending to this wallet.



YOUR PRIVATE KEY

 Dashboard Send Swap Dapps Contract Message

### Address

0x08DCf49de3A4471  
037325579C9c2f9ab  
D6784119



### Balance

0.221153836 ET  
H



### Network

myetherwallet.com(ETH)  
Last block# : 9010924

[Change](#)

Back

### Name Your Wallet

teby

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10513.597714429999316992

XNN

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\$85.47 USD

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No tienes transacciones

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Ver en Etherscan

Mineria  
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+ Crear cuenta

Historial

Importar cuenta

No tienes transacciones

Conectar billetera de hardware

Información y ayuda

Configuración

# Central Bank of China: bitcoin and Ethereum – objects of national interests of the country

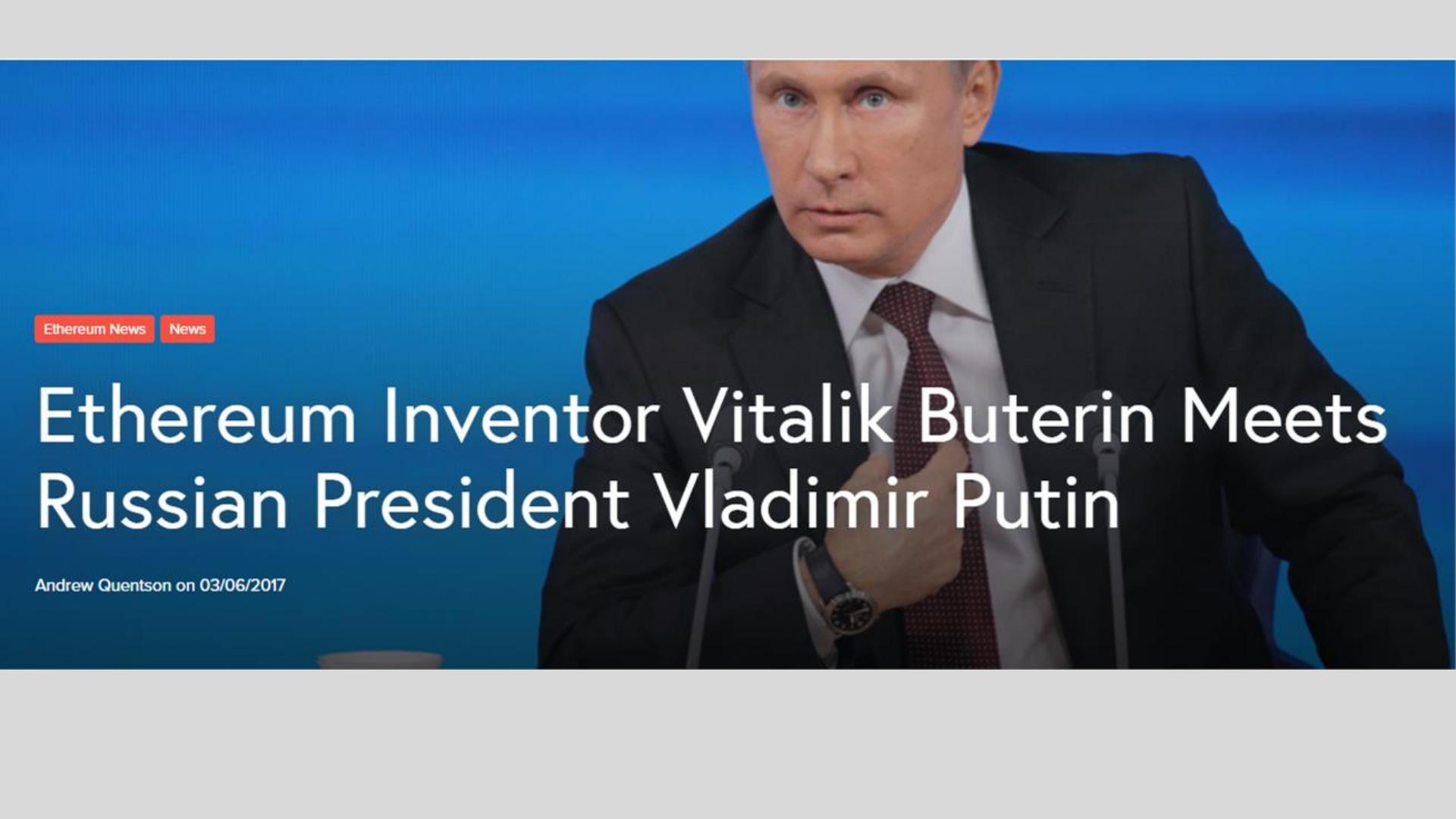


spopovss 48 in bitcoin

4 months ago



军民团结如一人 试看天下谁能敌



Ethereum News News

# Ethereum Inventor Vitalik Buterin Meets Russian President Vladimir Putin

Andrew Quentson on 03/06/2017



# Rusia Rivalizará a China en la Minería Bitcoin? El ayudante de Putin lanza "Miner Coin" ICO

14253 Vistas totales 271 Número total de compartidos



Un asesor del presidente [Russian](#), Vladimir Putin, está recaudando \$100 millones para lanzar un negocio minero Bitcoin en competencia con China.

Como [los informes](#) de Bloomberg del martes, los planes, que cogieron la cripto industria internacional por sorpresa, giran alrededor de la creación de la moneda rusa Miner Coin.



Por Joshua Althauser

AUG 22, 2017

# Agencia de Servicios Financieros de Japón afirma que 50 Casas de Cambio de Bitcoin ya se han registrado

16149 Vistas totales 931 Número total de compartidos



COINTELEGRAPH

La Agencia de Servicios Financieros de Japón (FSA) ha anunciado que recibió solicitudes de registro de 50 casas de cambio de Bitcoin a partir de agosto de 2017. Las solicitudes están siendo

# IBM landed a big win in the race to sell blockchain to Wall Street



Oscar Williams-Grut [✉](#) [🐦](#)  
① Jun. 27, 2017, 7:11 AM [🔥 6,723](#)

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Sponsored Links

IBM has been selected to build a new blockchain-based international trading system for a consortium of global banks, a major win for the tech giant in the race to sell blockchain to Wall



# Microsoft Launches Ethereum-Based 'Coco Framework' to Speed Up Blockchain Network

Sunday, August 13, 2017 by Swati Khandelwal

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## The Coco Framework

Powered by  Microsoft

A growing number of enterprises are showing their [interest in blockchains](#), but the underlying software fails to meet key enterprise requirements like performance, confidentiality, governance, and required processing power.

However, Microsoft wants to help solve these issues and make it easier for the enterprises to build their networks using any distributed ledger.

Microsoft has unveiled a framework called "Coco" — short for "**C**onfidential **C**onsortium" — a new

# BBVA usa blockchain para hacer pagos internacionales en segundos y pone en la mira el monopolio histórico de Swift

por BLOOMBERG | 22 abril, 2017



Mediante un programa desarrollado por Ripple, firma de San Francisco, BBVA ha transferido unos 50 pagos denominados en euros a México desde España en segundos. Tales transacciones normalmente tardan hasta cuatro días en completarse, dijo el banco. El método actual, que se basa en el sistema de mensajes Swift de 40 años de antigüedad, es incapaz de proporcionar cualquiera de estos servicios. También es demasiado rudimentario para transmitir detalles sobre el motivo de los pagos. Esta escasez de datos ha obligado a las empresas a mantener costosas operaciones contables para conciliar sus transacciones.

Videos

## Historical Snapshot - May 07, 2017

| USD ▾ |  |        |                  |            |                    |               |        |        | <a href="#">← Previous Week</a> | <a href="#">Next Week →</a> | <a href="#">View All</a> |
|-------|--|--------|------------------|------------|--------------------|---------------|--------|--------|---------------------------------|-----------------------------|--------------------------|
| ▲ #   | Name   | Symbol | Market Cap       | Price      | Circulating Supply | Volume (24h)  | % 1h   | % 24h  | % 7d                            |                             |                          |
| 1     |  Bitcoin          | BTC    | \$25,764,555,031 | \$1579.18  | 16,315,180         | \$617,303,973 | -0.03% | 1.30%  | 19.82%                          |                             |                          |
| 2     |  Ethereum         | ETH    | \$8,794,353,554  | \$96.24    | 91,383,653         | \$138,302,702 | -0.09% | 2.13%  | 39.05%                          |                             |                          |
| 3     |  Ripple           | XRP    | \$4,127,097,878  | \$0.108735 | 37,955,579,225 *   | \$90,944,104  | 2.31%  | 9.29%  | 108.67%                         |                             |                          |
| 4     |  Litecoin         | LTC    | \$1,525,287,837  | \$29.92    | 50,983,883         | \$142,364,747 | 0.47%  | 13.51% | 88.77%                          |                             |                          |
| 5     |  Dash             | DASH   | \$726,219,134    | \$99.74    | 7,281,119          | \$16,904,995  | 0.03%  | 0.50%  | 5.48%                           |                             |                          |
| 6     |  NEM              | XEM    | \$665,663,158    | \$0.073963 | 8,999,999,999 *    | \$6,163,148   | 0.51%  | 0.64%  | 51.06%                          |                             |                          |
| 7     |  Ethereum Classic | ETC    | \$661,203,955    | \$7.24     | 91,383,593         | \$30,725,739  | 0.00%  | -1.56% | 30.69%                          |                             |                          |
| 8     |  Monero           | XMR    | \$423,240,289    | \$29.35    | 14,418,791         | \$14,118,589  | 0.14%  | 0.63%  | 23.65%                          |                             |                          |
| 9     |  Golem            | GNB    | \$206,829,437    | \$0.252231 | 820,000,000 *      | \$4,569,161   | -0.08% | 2.45%  | 42.05%                          |                             |                          |

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**Connectivity**

## How Blockchain Can Bring Financial Services to the Poor

A project from the Bill & Melinda Gates Foundation aims to use distributed ledger technology to help the two billion people worldwide who lack bank accounts.

by Elizabeth Woyke April 18, 2017

---

**Two billion people worldwide don't have bank accounts and must conduct** their transactions in cash—which can be difficult to manage and presents safety issues. Could blockchain, the technology underlying the digital currency Bitcoin, give them access to financial services? The Bill & Melinda Gates Foundation thinks so, and it is modifying blockchain, which is essentially a secure, reliable digital record-keeping system, to bring the poor into the formal economy.

**BILL & MELINDA GATES foundation**

Apr 17, 2017

How Blockchain Can Lift Up the World's Poor  
Apr 17, 2017

Bill Gates thinks the world is getting better, and he's got a new game to prove it  
Apr 12, 2017

Apr 03, 2017

Gates Foundation Launches Higher Ed Podcast - Higher Ed Market Headlines  
Apr 03, 2017

KU scientists get \$17.6M grant to make cheaper vaccines for developing countries  
Mar 28, 2017

Qué es la tecnología “blockchain” de la que todo el mundo habla... y que acaban de adoptar tanto China como Rusia?



## Putin contraataca la guerra comercial USA adoptando la tecnología blockchain: los registros de propiedad sionistas, heridos de muerte

Putin habría dado orden hoy mismo para que todo su sistema se traspase a la tecnología blockchain de Ethereum, lo que incluye que a partir de ahora toda la contabilidad de las empresas, contratos y la burocracia significada en los títulos de propiedad.

El banco central ruso lleva el proyecto con el nombre “Masterchain”

# Alibaba despliega Blockchain para proteger los datos de salud en China

18212 Vistas totales 522 Número total de compartidos



Alibaba se está asociando con las autoridades chinas para lanzar la primera aplicación del país de la tecnología Blockchain en el sector médico.

En la ciudad de Changzhou, Ali Health trabajará con el gobierno local para usar tecnología Blockchain en la seguridad de datos en un enfoque pionero.

"La tecnología Blockchain de Ali Health conecta la información usando nuestros equipos y

Presiona **F11** para salir de la pantalla completa**FINTECH**

# SAP unveils blockchain service in the cloud

Neil Ainger, Writer at CNBC.com

Published 6:22 AM ET Wed, 17 May 2017 | Updated 6:37 AM ET Wed, 17 May 2017



Martin Leissl | Bloomberg | Getty Images

Bill McDermott is the chief executive officer of SAP AG.

A new Blockchain-as-a-Service (BaaS) product has been launched by SAP at its annual Sapphire event in Orlando, U.S.



Pulsa F11 para salir del modo de pantalla completa

# IBM Reveals Blockchain Supply Chain Trial with Singapore Port Operator

Aug 16, 2017 at 10:00 UTC by Wolfie Zhao

Use Cases & Verticals • News • Business News • Supply Chain



A major port operator in Singapore has inked a deal to work with IBM and a regional shipping firm to test a new blockchain-based supply chain network.

Announcing the news, PSA International, which operates ports in Asia, South America and Europe, said today that it has signed a memorandum of understanding with IBM and Pacific International Lines (PIL), one of the largest liner services in the world.

The three firms will "work together to explore [proofs-of-concept] using technologies like blockchain," according to an [announcement](#) published today. The goal of the trial is to automate the flow of documents between trading partners, providing transparency along the way.

Tan Chong Meng, group CEO of PSA, said of the deal:



By Joshua Althauser

SEP 29, 2017

## Trump Administration Focuses on Blockchain Technology Adoption

29917 Total views 1381 Total shares



US President Trump administration has reaffirmed its commitment to [Blockchain technology adoption](#) in government operations as an important policy and strategy. This was reiterated by two senior White House officials at the [Data Transparency 2017 conference](#) held in late September.

In her conference remarks, US Office of Management and Budget acting federal chief information officer Margie Graves, the federal government is exploring several forward-leaning capabilities of artificial intelligence and Blockchain that could benefit the operations of the government.

# UK Grants Electron Funding To Balance Energy Grid With Blockchain System

The UK will grant funding to test and scale out a blockchain-balanced approach to energy consumption.

---



By [Jeremy Nation](#)

September 27, 2017 | [ETHNews.com](#)



## Micronoticia: Desmantelan centro de minería de Bitcoins con 11 mil equipos en Venezuela



**Centro de Minería con 11.000 Asic miner desmantelado en Los Guayos, Valencia**

**CARACAS/CRIPTONOTICIAS:** De acuerdo con la Web [Criptonoticias.com](#), en una nota escrita por **Luis Esparragoza**, el día de ayer 27/01/2017 las autoridades judiciales de Venezuela, a través del portal del **Ministerio para el Poder Popular para Relaciones Interiores, Justicia y Paz**, informaron del desmantelamiento de un centro de minería de **Bitcoins** ubicado en la ciudad de Valencia, estado Carabobo.

Según una nota publicada en la página web del citado organismo, una comisión de la Dirección Contra la Delincuencia Organizada de la **Policía Nacional Bolivariana (PNB)**, se ubicó un galpón en Carabobo (con 11 mil unidades de moneda virtual "Bitcoin") quizás para referirse a la existencia de 11.000 Asic miner para minar **Bitcoin**.

Siguiendo con la nota, la misma indica que la institución policial informó que tras una "ardua investigación", los funcionarios de la División Contra la Legitimación de Capitales de la **Policía Nacional Bolivariana** detectaron un establecimiento en la zona industrial del municipio Los Guayos de donde salían y entraban constantemente varios camiones y se encontraban instalados 11 mil equipos para realizar minería de la criptomoneda **Bitcoin**.

MINING



1 day ago | Kevin Helms | 33321 | 28

## Russian Governor Invites Cryptocurrency Miners to Set Up Mining Farms in Leningrad

Bitcoin.com

The Russian Leningrad region wants to create an industrial park for cryptocurrency mining including bitcoin. The region's governor is inviting miners to the Sosnovy Bor area near St. Petersburg to create industrial-scale mining farms at the old Leningrad nuclear power plant.

*Also read: [Russia's Finance Ministry Drafts Law to Legalize Cryptocurrencies](#)*

### Miners Invited to Relocate to Leningrad Region

The governor of the Russian Leningrad region, Alexander Drozdenko, is inviting cryptocurrency miners to set up mining farms in the region, according to local publications. At the third annual forum for the region's small and medium-sized businesses (SMEs) called "Energy of Opportunities" which took place last week, he proposed that the first Leningrad Nuclear Power Plant (LNPP) could be used to set up cryptocurrency mining farms. The event was attended by 600 entrepreneurs and federal agency representatives.



Governor Alexander Drozdenko speaking at the Leningrad Region's "Energy of Opportunities" Forum 2017.

# El Director del FMI prevé el fin de los bancos y el triunfo de la criptoconversión

sydesjokes ▾ 54 in cryptocurrency

Hace 3 días

Haga clic en la imagen para ver la historia: El Director del FMI prevé el fin de los bancos y el triunfo de la criptoconversión

En una charla notablemente franca en una conferencia del Banco de Inglaterra, el Director Gerente del Fondo Monetario Internacional ha especulado que Bitcoin y la criptografía tienen tanto futuro como la propia Internet. Podría desplazar a los bancos centrales, la banca convencional y desafiar el monopolio de los dineros nacionales.

Christine Lagarde -una nativa de París que ha ocupado su puesto en el FMI desde 2011- dice que los únicos problemas sustanciales con la criptografía existente son solubles con el tiempo.

A largo plazo, la propia tecnología puede reemplazar el dinero nacional, la intermediación financiera convencional e incluso "pone en duda el modelo de banca fraccionaria que conocemos hoy".



IMF Managing Director Christine Lagarde

Saturday, September 30, 2017

Economics | Bitcoin | Cryptocurrency | Technology | Money and Banking | Money Apps  
Ethereum | Distributed Ledgers

## IMF Head Foresees the End of Banking and the Triumph of Cryptocurrency

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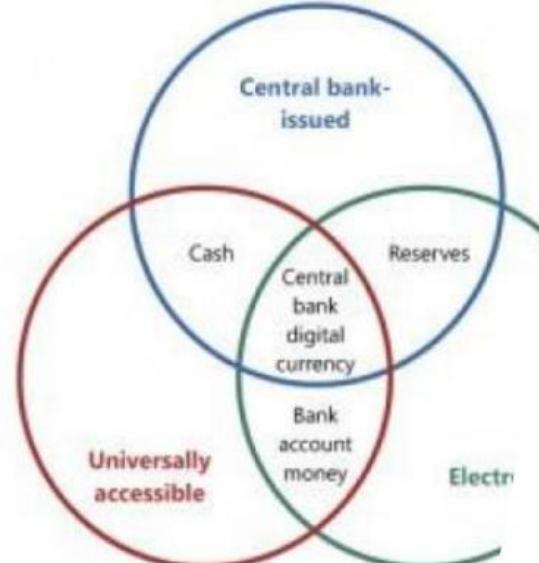
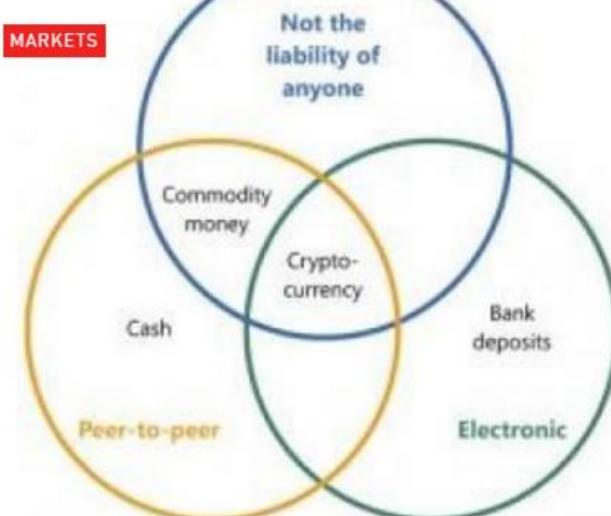
Tax Hells, Not Tax Havens, Are the Problem



CRYPTO CURRENCY D. T. COFFEE

## CHINA SHOULD START OWN DIGITAL CURRENCY "ASAP"- PBOC REPORT

MARKETS



By [MarketSlant Editor](#) ⌂ Sep. 22, 2017





thejapan times

18°C P/CLOUDY  
TOKYO (9 p.m.)

MARKETS 112.7 ¥/\$ (5 p.m.)

**NEWS**

**BUSINESS**

**MUFG to launch virtual currency service**

KYODO

Mitsubishi UFJ Financial Group Inc. will issue its own virtual currency by March 2018 to provide a money transfer service at lower fees, becoming the first major Japanese banking group to launch such a business, according to sources.

MUFG, Japan's biggest lender, will first issue "MUFG coins" to employees of its group companies for domestic remittances, eventually extending the service to attract younger tech-savvy customers, the sources said Tuesday.

JAN 3, 2017

ARTICLE HISTORY

PRINT SHARE

KEYWORDS

MUFG, VIRTUAL CURRENCY, FINTECH

A-bomb Survivors Speak Out

Soka Gakkai International

Read more

# Dubai Government Launches First Official State Cryptocurrency

October 5, 2017 9:38 by [Samuel Town](#)



The Dubai Government has recently announced plans to launch the first-ever government-backed cryptocurrency, according to an [statement](#) released by Dubai state news agency WAM. The state-sponsored digital token, called emCash, will be available to pay for both governmental and non-governmental services.

The launch of the state-sponsored cryptocurrency is a historic first, with the Dubai government stepping in ahead of other forward-leaning states such as [Russia](#) and [Estonia](#). The digital currency will be developed between emCredit, a subsidiary of the Dubai Economy, and UK-based blockchain developer Object Tech Group Ltd.

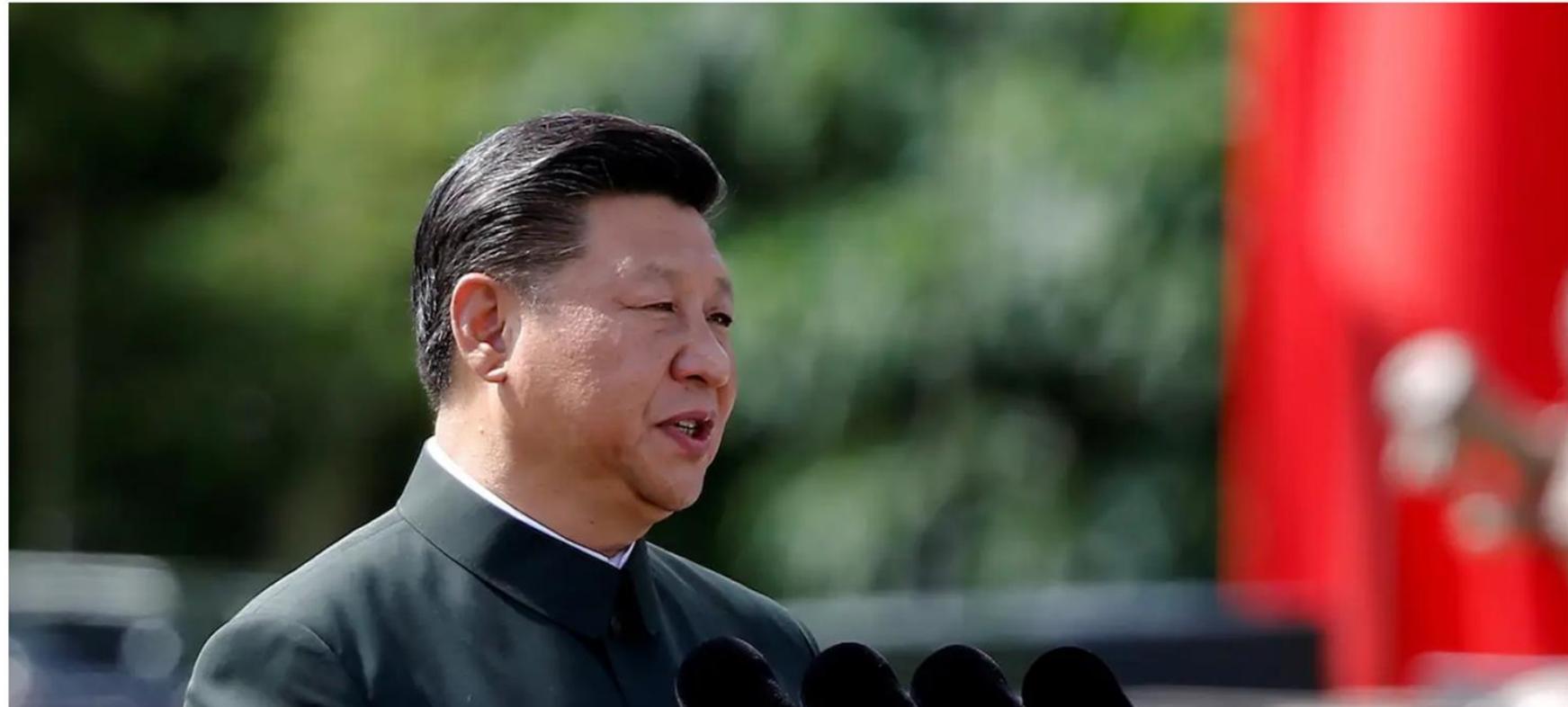
## emCash Token Will Function as Legal Tender

Ali Ibrahim, the Deputy Director General of Dubai Economy, has specified that the new cryptocurrency will be considered legal tender "for various government and non-government services, from their daily coffee and children's school fee to utility charges and money transfers."

The emCash token will be used in combination with the emPay wallet, which will be launched by Emcredit to facilitate contactless payment via the Near Field Communication (NFC) chip present in most modern smartphones. Muna Al Qassab, the CEO of Emcredit Limited, has stated that the integration of NFC technology is intended to create the right

# China se vuelve optimista en blockchain

Charlie Wood 28 de octubre de 2019 8:04 a.m.



- China quiere adoptar blockchain, la tecnología que verifica las transacciones de criptomonedas.
- Un funcionario del banco estatal de China instó a los bancos comerciales del país a "intensificar su aplicación" de blockchain y "adoptar las finanzas digitales".
- Los comentarios del funcionario se producen después de que el presidente chino, Xi Jinping, dijo que China debe hacer un "mayor esfuerzo" para desarrollar y aplicar tecnologías blockchain y obtener una "ventaja sobre otros países importantes".





Search by address...



### Coins:

- Bitcoin (BTC)
- Bitcoin Cash (BCH)
- Ether (ETH)
- Dash (DASH)
- Litecoin (LTC)
- Zcash (ZEC)
- Monero (XMR)
- Dogecoin (DOGE)

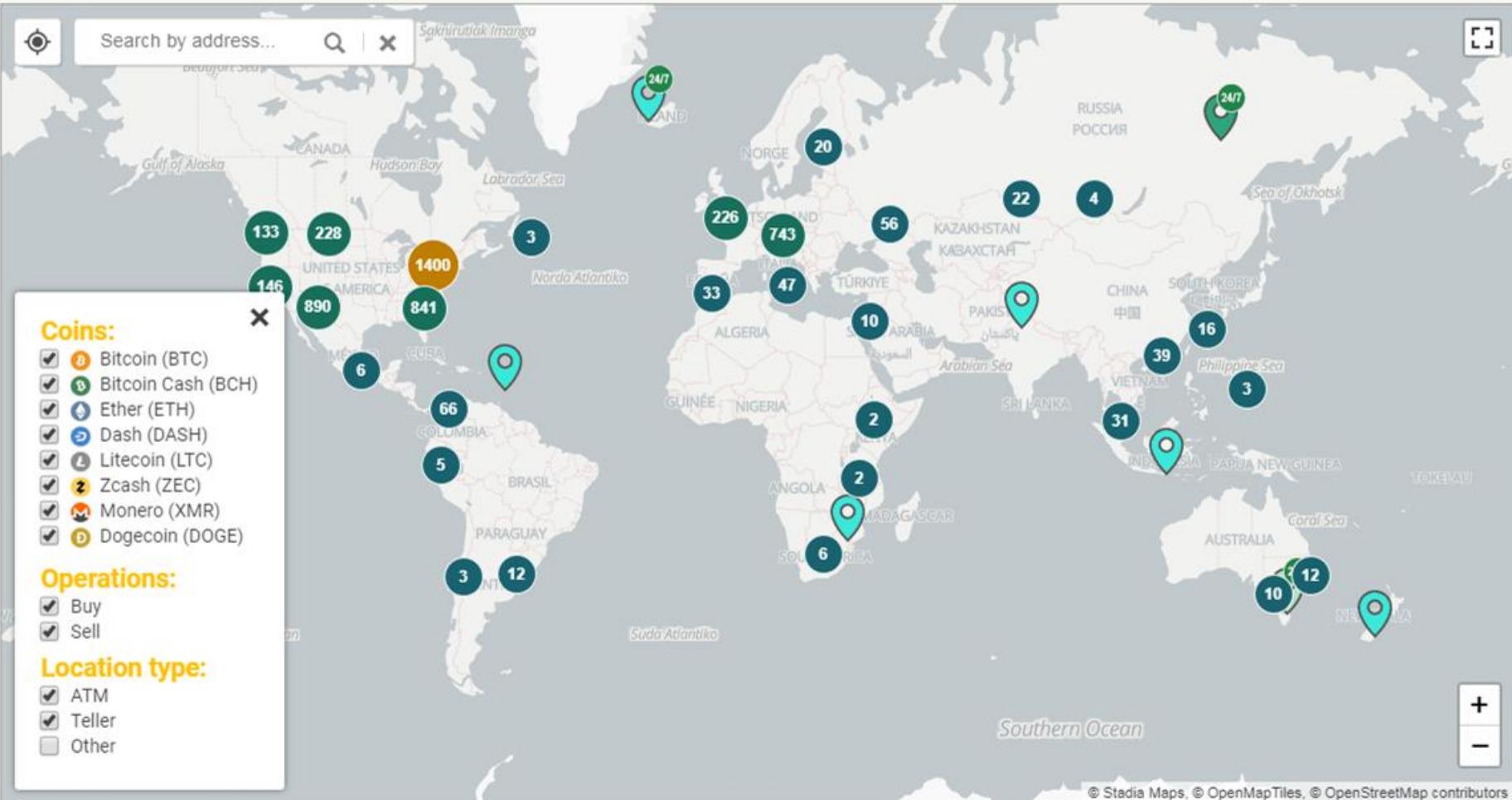
### Operations:

- Buy
- Sell

### Location type:

- ATM
- Teller
- Other





### **Coins:**

-  Bitcoin (BTC)
  -  Bitcoin Cash (BCH)
  -  Ether (ETH)
  -  Dash (DASH)
  -  Litecoin (LTC)
  -  Zcash (ZEC)
  -  Monero (XMR)
  -  Dogecoin (DOGE)

## Operations:

- Buy  
 Sell

### Location type:

- ATM
  - Teller
  - Other

BUSCAR ...

## ARGENTINA CONTARÁ CON MÁS DE 200 CAJEROS BIDIRECCIONALES DE CRIPTOMONEDAS Y FIAT

Publicado por Emily Faria |

| Cajeros automáticos | 7 • |



La comunidad blockchain de Argentina y de toda Latinoamérica tiene un gran motivo de celebración. A partir del mes de octubre, en el territorio argentino se instalarán 250 cajeros automáticos que permitirán realizar operaciones tanto con dinero fiat, como con criptoactivos, convirtiéndose así en una de las primeras naciones del mundo en tener cajeros bidireccionales.

El sistema bidireccional se refiere a que estos cajeros pueden dar y recibir billetes de curso legal en

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ENTRADAS RECENTES

Estados Unidos apoyará desarrollo blockchain de Emiratos Árabes con fines

needs to buy or sell cryptocurrency in order to be counted.

ATMs w/ altcoins support

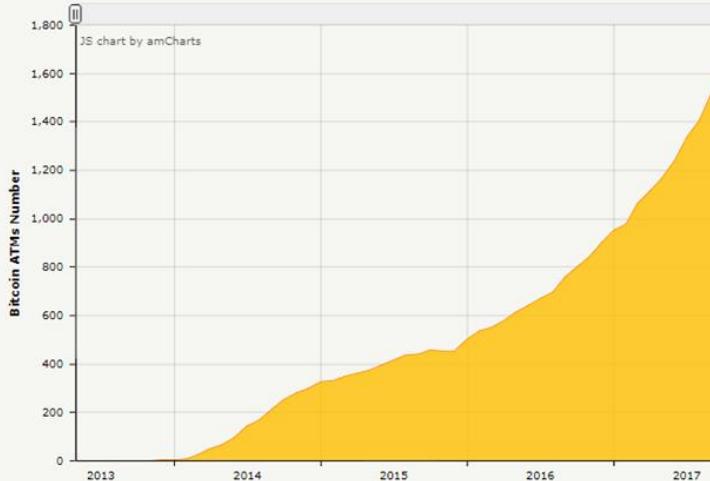
Ether ATMs

Dogecoin ATMs

Last updated: 2017-10-06

## Number of Bitcoin ATM Installed Over Time.

This chart shows the increase in number of Bitcoin ATMs installed around the world. For more details check the [growth chart with split by manufacturers](#).



Share



51

## Bitcoin ATMs Installation Speed per Day.

This chart shows the speed of Bitcoin ATM installations. The speed is calculated based on last 7 days. The gauge scale is calculated based on 2 previous months.





Worldwide



United States



Canada



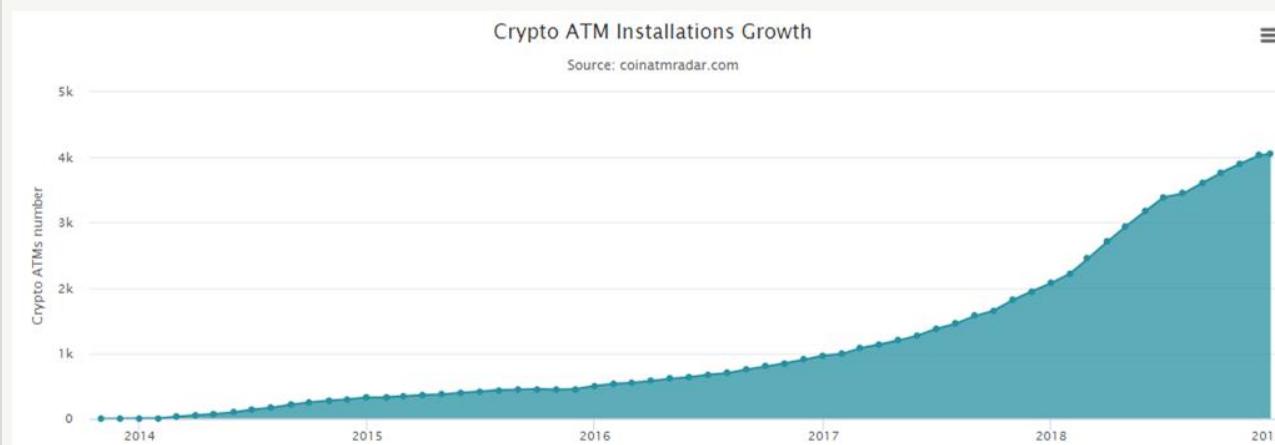
United Kingdom



Australia

# Bitcoin ATM Installations Growth.

The chart shows number of bitcoin machines installed over time.



If you use our charts or data from them on your website or elsewhere, a link to the source page is required.

# CryptoCurrency Market Capitalizations



# CryptoCurrency Market Capitalizations



Market Cap ▾

Trade Volume ▾

Trending ▾

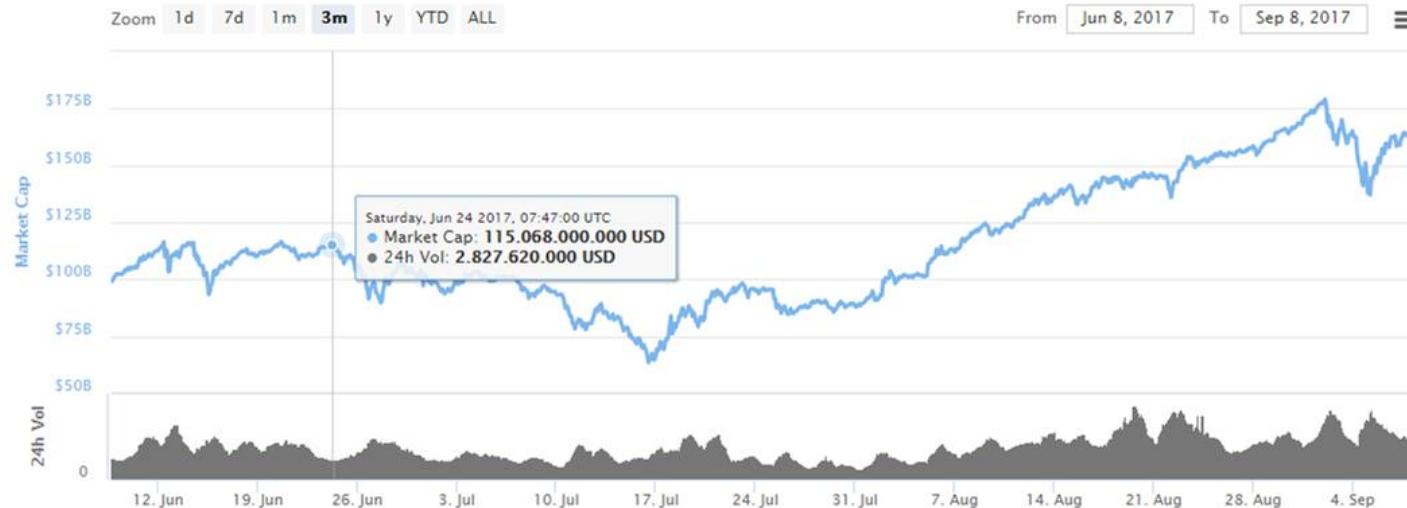
Tools ▾

Search Currencies



## Global Charts

### Total Market Capitalization



# Qué es la minería de Bitcoins

La minería de Bitcoins o “Bitcoin mining” es una de las formas de obtener esta moneda digital. Para conseguir Bitcoins, los llamados mineros utilizan el poder computacional de máquinas que hoy en día deben disponer de un software y un hardware especializado, y que son capaces de hacer millones de cálculos matemáticos por segundo.

Cada vez que un minero o grupo de mineros (pool) resuelve los problemas matemáticos necesarios para verificar las transacciones y completar un nuevo bloque, se liberan cierto número de Bitcoins que serán repartidos proporcionalmente, dependiendo de la potencia de cálculo que haya aportado cada uno.

## Historical Snapshot - July 09, 2017

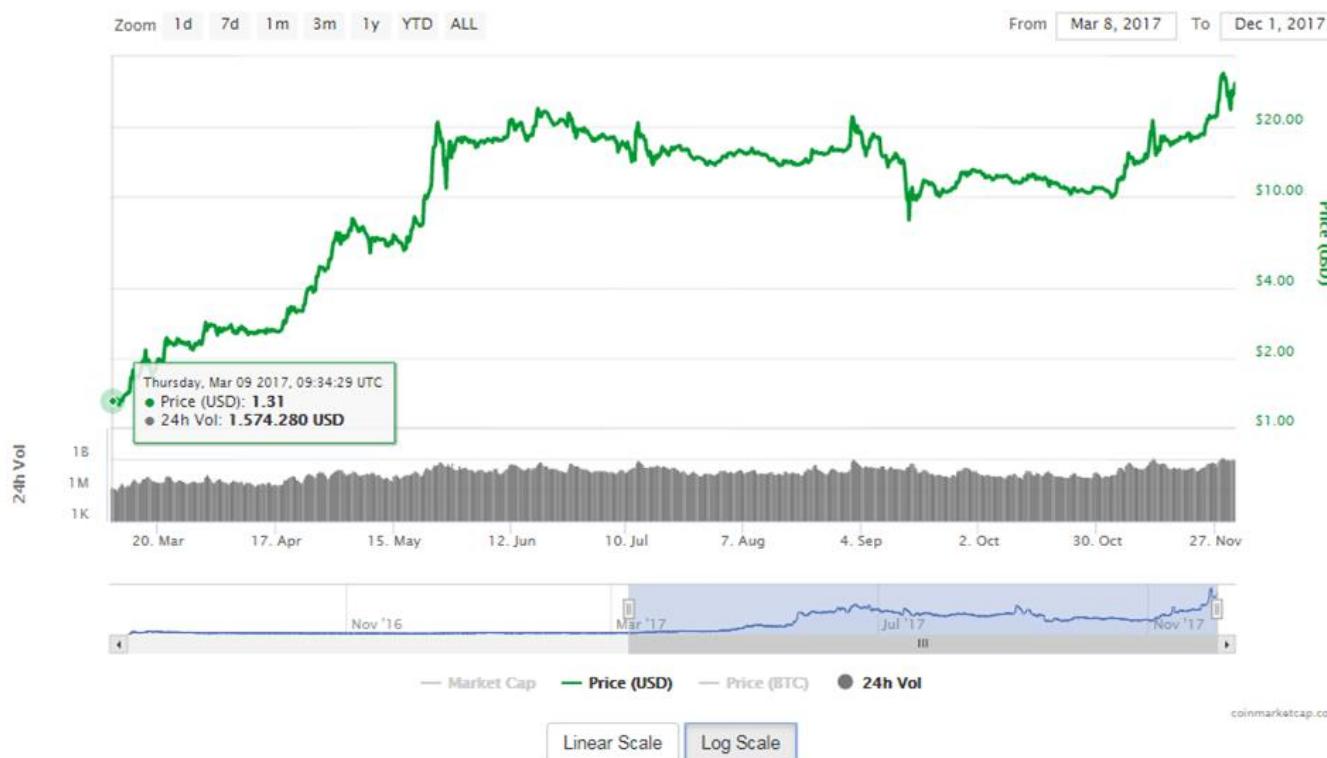
| USD ▾ |  |        |                  |            |                    | ← Previous Week |        | Next Week → | View All |
|-------|--|--------|------------------|------------|--------------------|-----------------|--------|-------------|----------|
| ▲ #   | Name   | Symbol | Market Cap       | Price      | Circulating Supply | Volume (24h)    | % 1h   | % 24h       | % 7d     |
| 1     |  Bitcoin          | BTC    | \$42,449,833,284 | \$2582.68  | 16,436,348         | \$642,125,736   | 0.04%  | 2.93%       | 6.46%    |
| 2     |  Ethereum         | ETH    | \$23,310,698,105 | \$250.26   | 93,146,387         | \$633,005,904   | -0.09% | 1.66%       | -7.48%   |
| 3     |  Ripple           | XRP    | \$9,301,925,396  | \$0.242925 | 38,291,387,790 *   | \$108,506,781   | 0.16%  | 5.05%       | -4.09%   |
| 4     |  Litecoin         | LTC    | \$2,663,676,492  | \$51.31    | 51,908,418         | \$575,009,152   | -0.30% | 10.33%      | 32.96%   |
| 5     |  Ethereum Classic | ETC    | \$1,586,515,915  | \$16.99    | 93,374,167         | \$92,021,405    | 0.00%  | 5.67%       | -2.88%   |
| 6     |  Dash             | DASH   | \$1,521,016,148  | \$205.12   | 7,415,144          | \$42,749,070    | -0.15% | 5.58%       | 22.64%   |
| 7     |  NEM              | XEM    | \$1,413,475,502  | \$0.157053 | 8,999,999,999 *    | \$4,048,963     | -0.04% | 3.43%       | 5.62%    |
| 8     |  IOTA             | MIOTA  | \$815,292,998    | \$0.293320 | 2,779,530,283 *    | \$3,028,637     | -0.01% | 1.53%       | -24.11%  |
| 9     |  Monero           | XMR    | \$676,515,785    | \$45.85    | 14,753,465         | \$14,195,819    | -0.14% | 5.97%       | 12.11%   |
| 10    |  Stratis          | STRAT  | \$477,387,382    | \$4.85     | 98,455,903 *       | \$7,692,383     | -0.43% | 4.24%       | -12.59%  |

Las altcoins pueden cambiarse luego por bitcoins en distintas plataformas de intercambio, o puedes guardar valor directamente conservando las altcoins minadas (si crees que el precio de la altcoin escogida tiene algún futuro).

Si deseas maximizar ganancias, deberás combinar la minería con asumir riesgos en especulación sobre el precio futuro de las altcoins minadas.

[Charts](#)[Markets](#)[Social](#)[Tools](#)[Historical Data](#)

## Ethereum Classic Charts



[Charts](#)[Markets](#)[Social](#)[Tools](#)[Historical Data](#)

## Monero Charts

[Zoom](#) [1d](#) [7d](#) [1m](#) [3m](#) [1y](#) [YTD](#) [ALL](#)From  To [Linear Scale](#)[Log Scale](#)

[Charts](#)[Markets](#)[Social](#)[Tools](#)[Historical Data](#)

## Dash Charts

Zoom [1d](#) [7d](#) [1m](#) [3m](#) [1y](#) [YTD](#) [ALL](#)

From  To



— Market Cap — Price (USD) — Price (BTC) ● 24h Vol

Linear Scale

Log Scale

# Russia Launches \$100 Million Bitcoin-Mining Operation



by Tyler Durden

Aug 9, 2017 2:45 AM

21  
SHARES



In what some have called a "watershed" moment for bitcoin, Bloomberg reports that a company co-owned by an aide to Russian President Vladimir Putin is seeking to expand Russia's bitcoin-mining industry, leveraging Russia's cheap energy to rival China as the world's largest mining market.

The company, known as Russian Miner Coin, or RMC, is seeking to raise \$100 million in an initial coin offering, promising buyers a right to 18% of the company's mining revenue, according to a presentation cited by Bloomberg.





RUSSIAN  
MINER  
COIN

EN ▾

REALIZAR UN PEDIDO PARA SUNRISE

COMPRAR RMC



# Minería Multicellular

Un ecosistema revolucionario para mineros e inversores

COMPRAR RMC

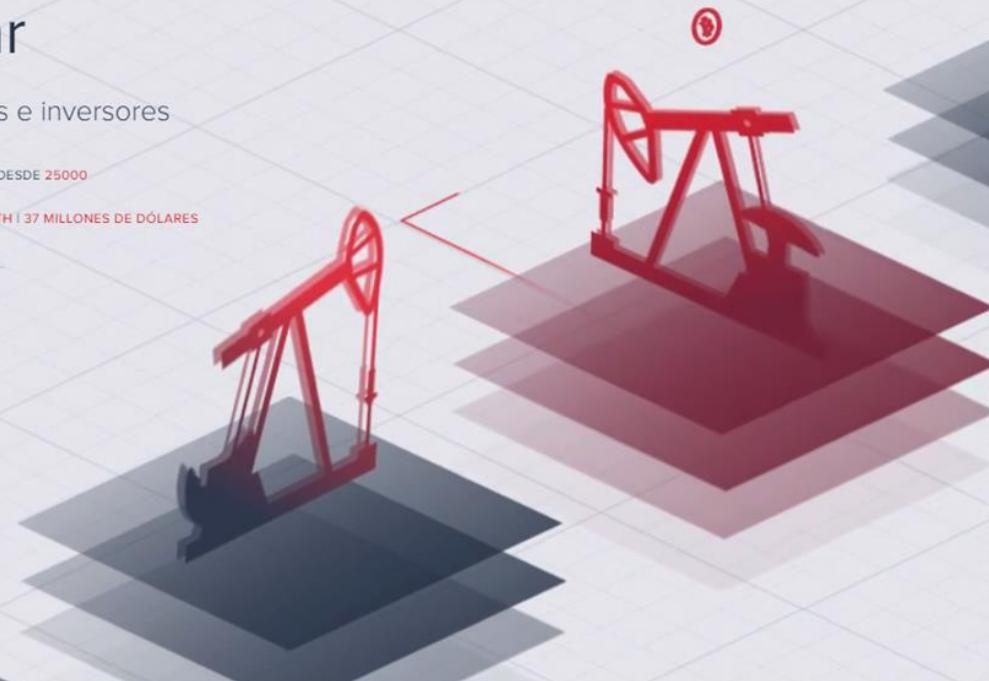
NÚMERO DE TOKENS RMC: 14481 DESDE 25000

COSTO DE 1 RMC: \$ 4850

RECAUDADOS: 1039 BTC | 2474 ETH | 37 MILLONES DE DÓLARES

El costo del token aumentará por:

00 14° 09 01  
DIAS HORAS MINUTOS SEGUNDOS



# Con que hardware se puede minar?????

CPU



GPU



ASIC  
Boost

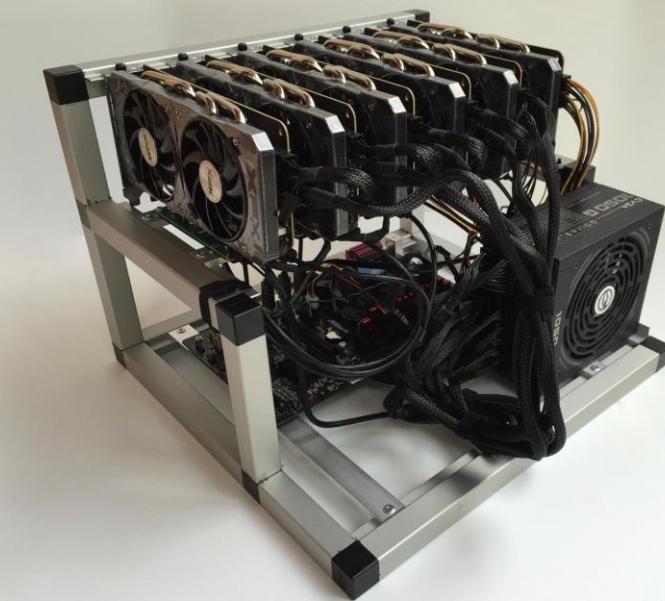


## Minando con CPU -Workstation-

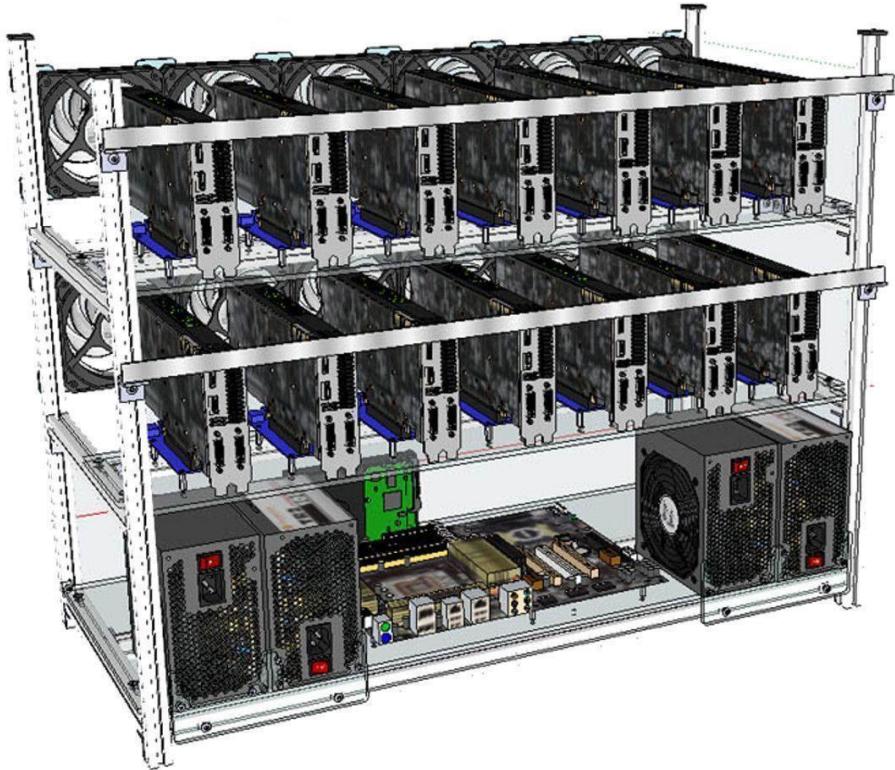


Depende del procesador el hash/rate puede variar entre 50 y 700 h/s

# RIGS



# 16x GPU





AMD



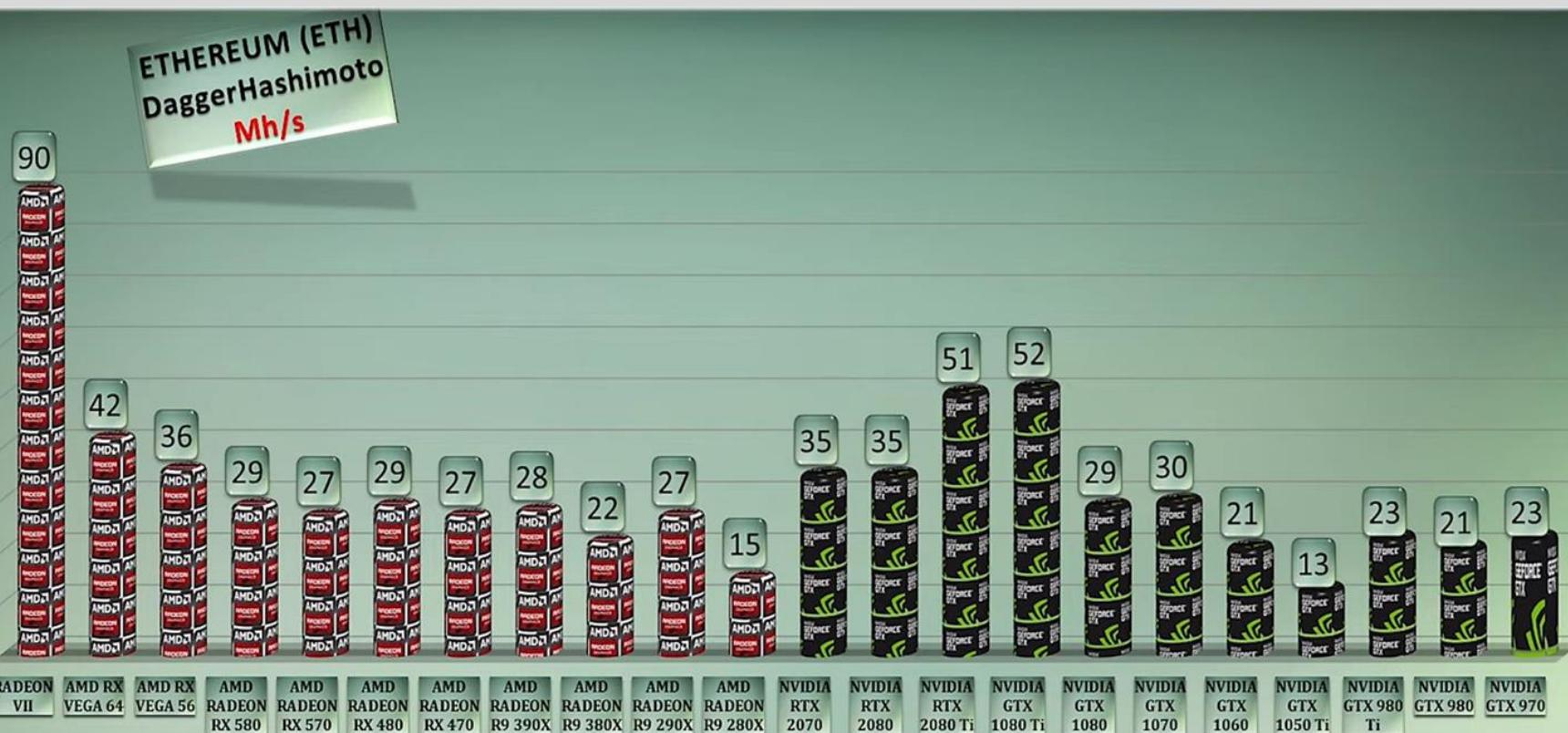
# Nvidia





**ETHEREUM (ETH)**  
DaggerHashimoto  
**Power Consumption (Wh)**







**Placa de Video Radeon VII 16GB HBM2 Phantom Gaming X + Xbox Game**  
**\$39,810**

SIN STOCK

1

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Antminer T17-40TH/s

Shipping date: 21-30, Nov. 2019

\$1958.00



Antminer S17 Pro-56TH/s

Shipping in 7 working days after fully paid

\$4323.00



Antminer S17-53TH/s

Shipping in 7 working days after fully paid

\$3812.00



Antminer T17-42TH/s

Shipping in 7 working days after fully paid

\$2637.00

SOLD OUT

SOLD OUT

SOLD OUT

SOLD OUT







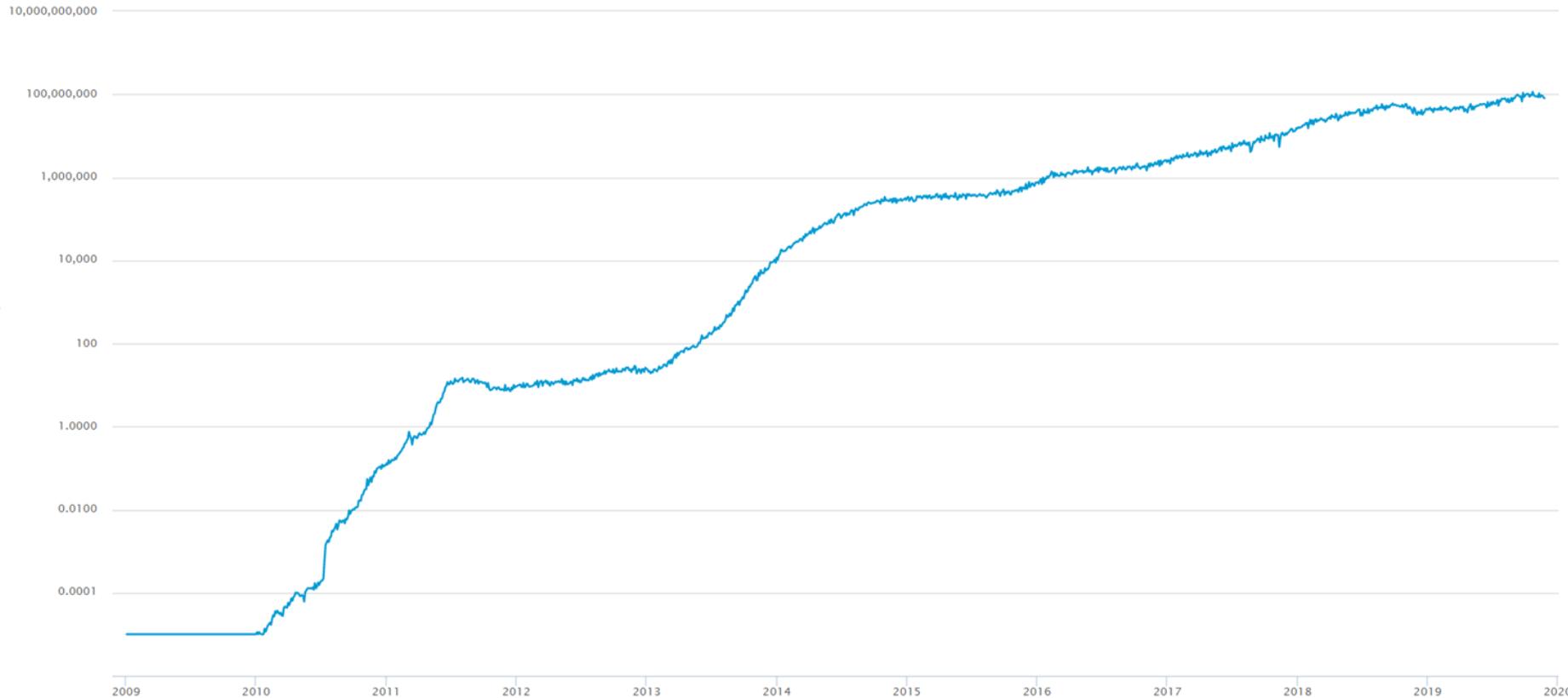




KOMO  
**4**  
NEWS  
**KOMONews.com**

# Granja Bitmain China



[30 días](#) [60 días](#) [180 Días](#) [1 año](#) [2 años](#) [Todo el tiempo](#)[Escala lineal](#) [Promedio de 7 días](#) [Mostrar Puntos de Datos](#) [CSV](#) [JSON](#) [Export ▾](#)



## Antminer S17+ 73TH/s



Hashrate: 73TH/s



Weight: 11kg



Shipping date: 1-10, Dec. 2019

\$2037.00



1



Sold Out



Calculated for  
1 BTC = \$ 8,860.12

## Hashing Power

▼

## Power consumption (w)

## Cost per KWh (\$)

## Pool Fee (%)

### PROFIT RATIO PER DAY

∞%

### PROFIT PER MONTH

\$ 379.74

#### Profit per day

**\$ 12.66**

Pool Fee \$ 0.1279

Day

#### Mined/day

**B 0.001443**

#### Power cost/Day

**\$ 0**

#### Profit per week

**\$ 88.61**

Pool Fee \$ 0.8950

Week

#### Mined/week

**B 0.01010**

#### Power cost/Week

**\$ 0**

#### Profit per month

**\$ 379.74**

Pool Fee \$ 3.84

Month

#### Mined/month

**B 0.04329**

#### Power cost/Month

**\$ 0**

#### Profit per year

**\$ 4,620.19**

Pool Fee \$ 46.67

Year

#### Mined/year

**B 0.5267**

#### Power cost/Year

**\$ 0**



Calculated for  
1 BTC = \$ 8,860.12

#### Hashing Power

▼

#### Power consumption (w)

#### Cost per KWh (\$)

#### Pool Fee (%)

#### PROFIT RATIO PER DAY

**223%**

#### PROFIT PER MONTH

**\$ 262.41**

##### Profit per day

**\$ 8.75**

Pool Fee \$ 0.1279

Day

##### Mined/day

**B 0.001443**

##### Power cost/Day

**\$ 3.91**

##### Profit per week

**\$ 61.23**

Pool Fee \$ 0.8950

Week

##### Mined/week

**B 0.01010**

##### Power cost/Week

**\$ 27.38**

##### Profit per month

**\$ 262.41**

Pool Fee \$ 3.84

Month

##### Mined/month

**B 0.04329**

##### Power cost/Month

**\$ 117.33**

##### Profit per year

**\$ 3,192.66**

Pool Fee \$ 46.67

Year

##### Mined/year

**B 0.5267**

##### Power cost/Year

**\$ 1,427.53**

1 Antminer S17+ 73TH

\$ 2037

Kw 3

P 4620\$ Año

C 0.0\$

P 3190\$ Año

C 0.088 \$

1 Antminer S17+ 73TH

\$ 2037

Kw 3

P 4620\$ Año

C 0.0\$

P 3190\$ Año

C 0.088 \$ kwh

1000 Antminer S17+ 73TH

\$ 2.037.000

Kw 3.000

P 4.620.000\$ Año

C 0.0\$

P 3.190.000\$ Año

C 0.088 \$ kwh

Cálculos a 8800 US\$ por BTC

1 Antminer S17+ 73TH

\$ 2037

Kw 3

P 9240\$ Año

C 0.0\$

P 6380\$ Año

C 0.088 \$ kwh

1000 Antminer S17+ 73TH

\$ 2.037.000

Kw 3.000

P 9.240.000\$ Año

C 0.0\$

P 6.380.000\$ Año

C 0.088 \$ kwh

Cálculos a 17600 US\$ por BTC

1 Antminer S17+ 73TH

\$ 2037

Kw 3

P 13860\$ Año

C 0.0\$

P 9570\$ Año

C 0.088 \$ kwh

1000 Antminer S17+ 73TH

\$ 2.037.000

Kw 3.000

P 13.860.000\$ Año

C 0.0\$

P 9.570.000\$ Año

C 0.088 \$ kwh

Cálculos a 26400 US\$ por BTC

1 Antminer S17+ 73TH

\$ 2037

Kw 3

P 18480\$ Año

C 0.0\$

P 12760\$ Año

C 0.088 \$ kwh

1000 Antminer S17+ 73TH

\$ 2.037.000

Kw 3.000

P 18.480.000\$ Año

C 0.0\$

P 12.760.000\$ Año

C 0.088 \$ kwh

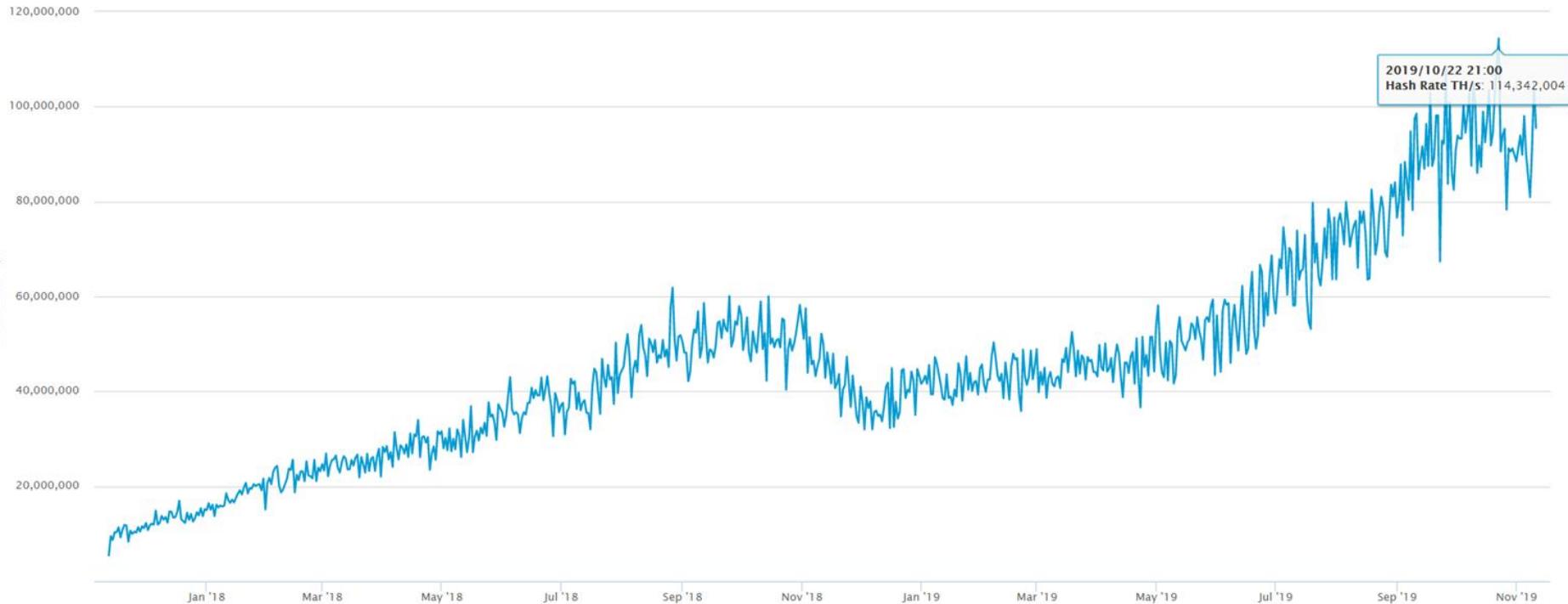
Cálculos a 35200 US\$ por BTC

## Difficulty

A relative measure of how difficult it is to find a new block. The difficulty is adjusted periodically as a function of how much hashing power has been deployed by the network of miners.

Source: blockchain.com



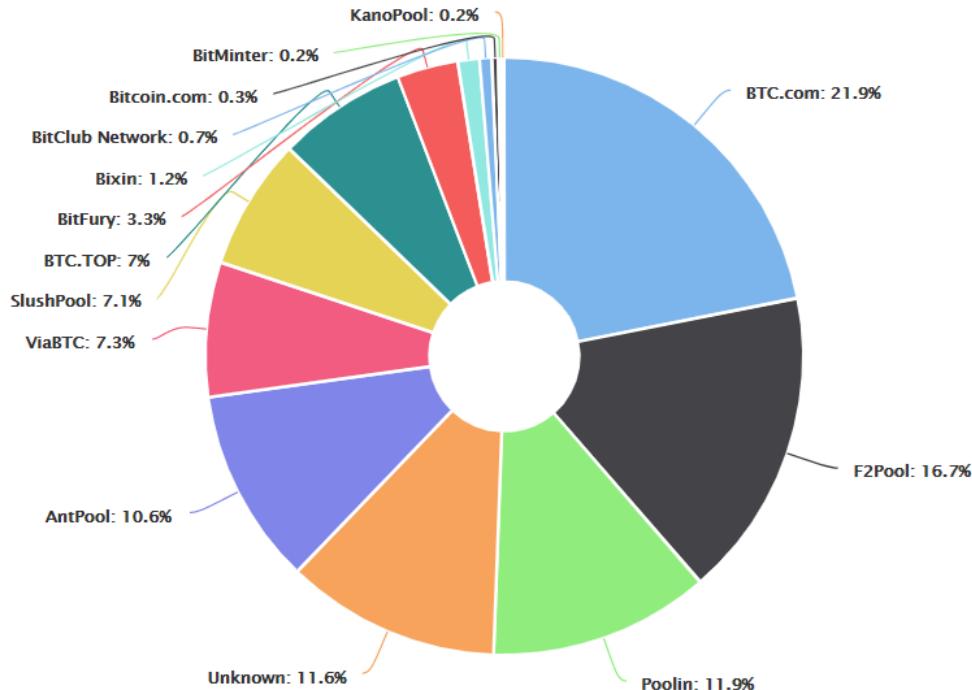


4 millones aprox de minadores

# Distribución de tasas de hash

Una estimación de la distribución de las tasas de hash entre los pools de minería de mayor tamaño

El siguiente gráfico muestra la cuota de mercado de los pools de minería más populares. Se debe considerar únicamente como estimación aproximada ya que por diversas razones no son 100% exactos. Una gran parte de bloques desconocidos no representan necesariamente un ataque sino simplemente que aún no han sido reconocidos.



# Stablecoin

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Digital currency that can be used by anyone, anywhere, anytime.

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### The world's first unbiased currency

Dai is a stable, decentralized currency that does not discriminate. Any business or individual can realize the advantages of digital money.

**The first regulated stablecoin  
fully backed by the US Dollar.**

Access the highest trading volume and liquidity on exchanges of any trusted stablecoin.

The new global system.

 tether

Digital money for a digital age

Global, fast, and secure

#### INTRODUCING USD COIN

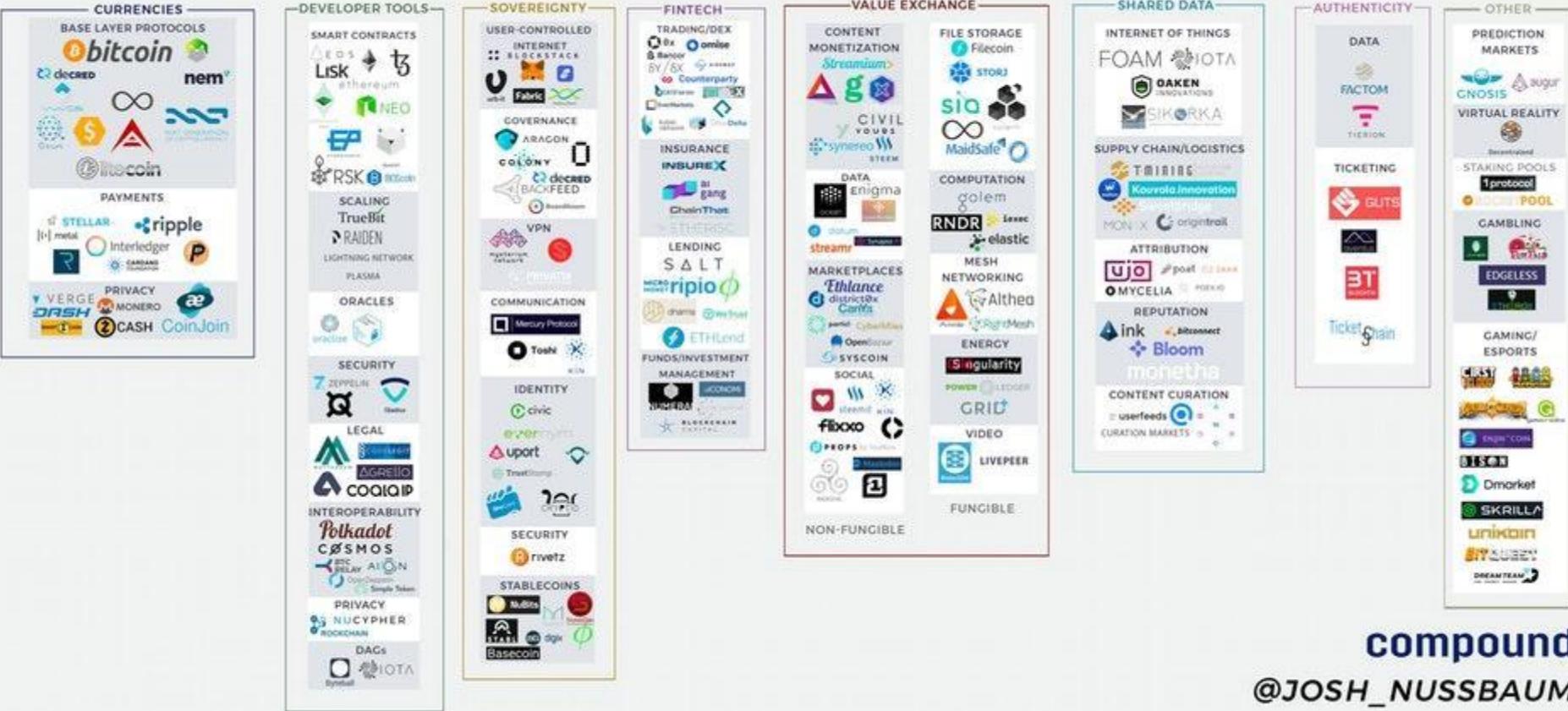
A stablecoin brought to you by Circle and Coinbase



An open source, smart contract-based stablecoin

True financial interoperability requires a price stable means of value exchange. CENTRE's technology for fiat-backed stablecoins brings stability to crypto. The initial implementation is USD Coin (USDC), an ERC-20 token creating possibilities in payments, lending, investing, trading and trade finance — and the ecosystem will grow as other flat currency tokens are added.

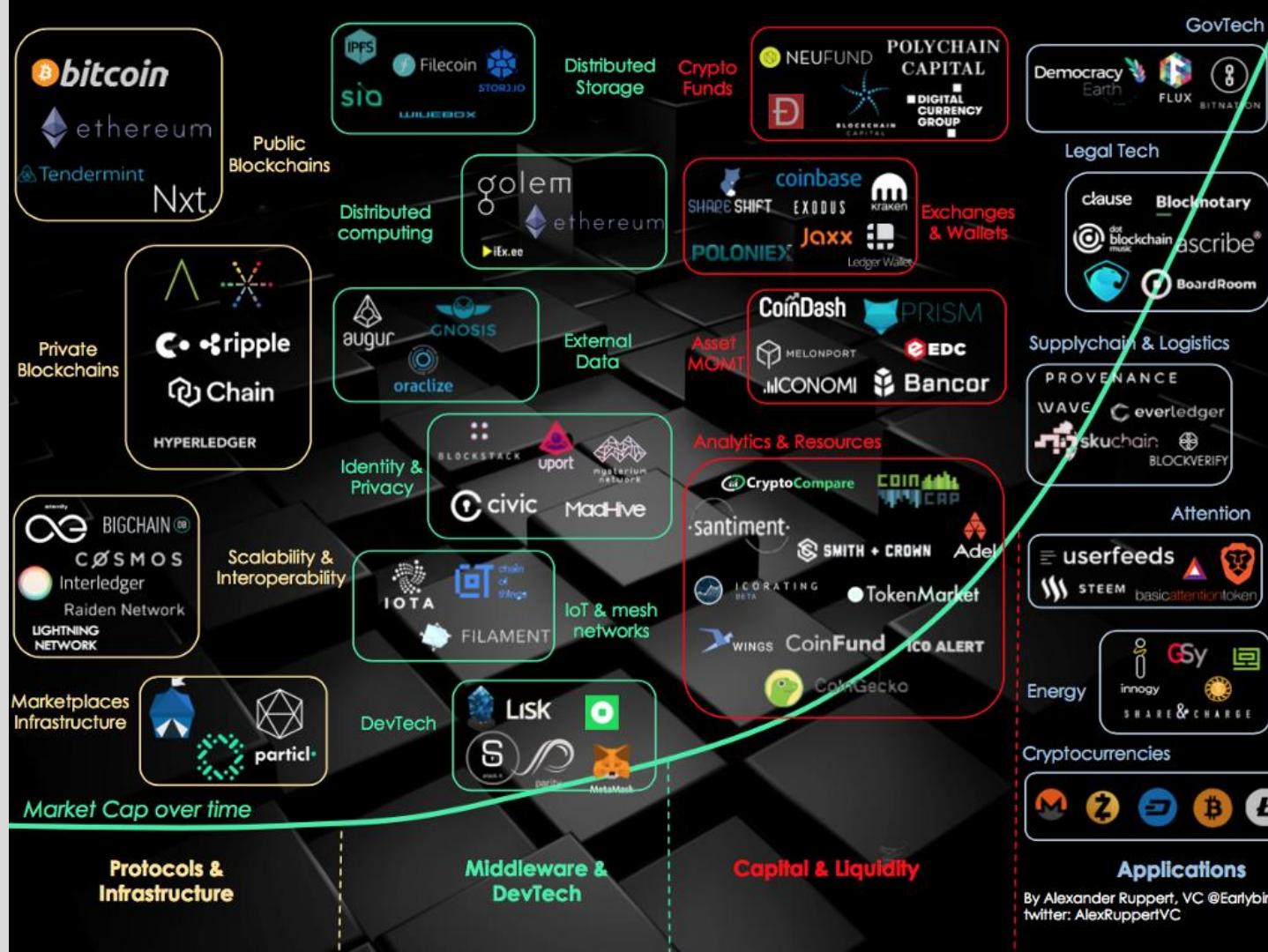
# BLOCKCHAIN PROJECT ECOSYSTEM



compound

@JOSH\_NUSSBAUM





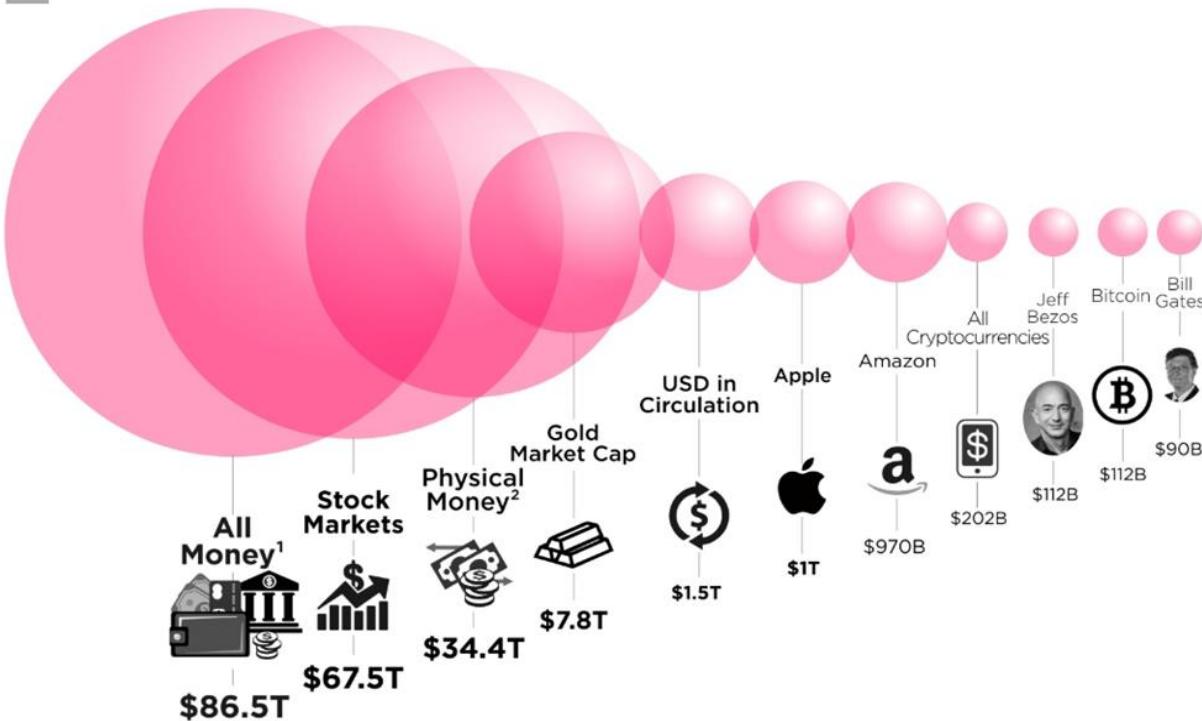
## CCID's Global Public Blockchain Technology Assessment Index (XI)

| 名称    | Pub-Blockchain | 分项指数 Sub-Index     |                      |                   | 总指数<br>Total Index | 综合排名<br>Ranking |
|-------|----------------|--------------------|----------------------|-------------------|--------------------|-----------------|
|       |                | 基础技术<br>Basic-tech | 应用性<br>Applicability | 创新力<br>Creativity |                    |                 |
| EOS   | EOS            | 104.6              | 20.2                 | 30.9              | 155.7              | 1               |
| 波场    | TRON           | 99.7               | 24.5                 | 22.4              | 146.7              | 2               |
| 以太坊   | Ethereum       | 78.0               | 29.0                 | 35.8              | 142.8              | 3               |
| 比特股   | BitShares      | 86.5               | 14.3                 | 9.9               | 110.7              | 4               |
| 星云链   | Nebulas        | 70.5               | 24.7                 | 13.4              | 108.6              | 5               |
| 本体    | Ontology       | 77.8               | 22.9                 | 6.9               | 107.7              | 6               |
| 纳世链   | NULS           | 77.4               | 19.3                 | 10.7              | 107.4              | 7               |
| 公信链   | GXChain        | 81.9               | 18.1                 | 6.5               | 106.5              | 8               |
| NEO   | NEO            | 69.9               | 26.0                 | 10.3              | 106.2              | 9               |
| 斯蒂姆链  | Steem          | 86.1               | 9.7                  | 9.1               | 104.9              | 10              |
| Waves | Waves          | 65.2               | 20.6                 | 18.7              | 104.6              | 11              |
| 应用链   | Lisk           | 65.1               | 15.2                 | 23.6              | 104.0              | 12              |
| 恒星链   | Stellar        | 69.5               | 21.3                 | 11.0              | 101.8              | 13              |
| 科莫多   | Komodo         | 71.9               | 14.4                 | 15.5              | 101.8              | 13              |
| 比特币   | Bitcoin        | 42.4               | 17.8                 | 39.2              | 99.4               | 15              |
| 量子链   | Qtum           | 66.1               | 21.1                 | 9.1               | 96.3               | 16              |
| Tezos | Tezos          | 59.0               | 17.5                 | 18.4              | 94.9               | 17              |

turnaround, but that's beside the point. Bitcoin in particular and the larger crypto-market in general are already substantial parts of the global economy.



## Putting the World's Money into Perspective

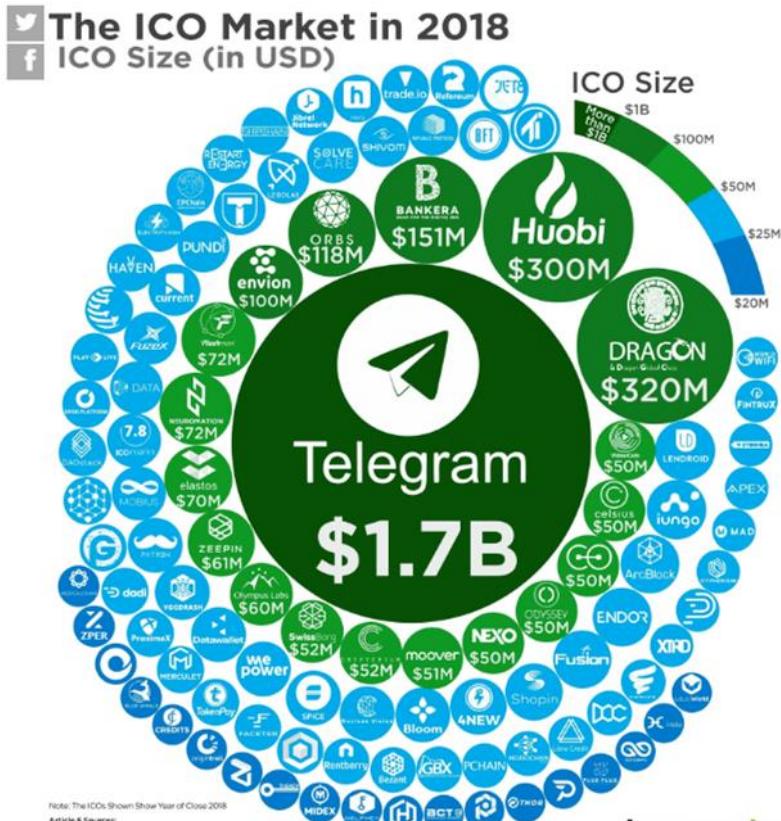


<sup>1</sup> All Money = money in any form including bank or other deposits as well as notes and coins.

<sup>2</sup> Physical Money = money in forms that can be used as a medium of exchange, generally notes, coins, and certain balances held

## The Multi-Billion Dollar ICO Market in 2018 Captured in One Graph

The ICO market is continuing to sizzle this summer with new coins entering the market almost everyday. With so much activity, it can be difficult to keep things in perspective. What constitutes a large initial coin offering, and what's small peanuts? Our new visualization makes things very simple.



Note: The ICOs shown show Year of Close 2018

<https://www.concordia.com/iso-cracker/>



# BP Tech Chief: Blockchain Could Give Company 'Competitive Advantage'

Oct 3, 2017 at 19:30 UTC by Nikhilesh De

Use Cases & Verticals • News • Energy



Gas and energy giant BP believes that the use of blockchain could give it an competitive edge in the market, according to its technology head.

Speaking with [The Financial Times](#), head of technology David Eyton struck an optimistic tone amidst work with



## Energy Giant BP Says It's Tested 'Internal' Tokens

[Twitter](#) 344[Facebook](#)[Google+](#)[LinkedIn](#)[Reddit](#) 1[Email](#)Ian Allison [✉](#) [Twitter](#) [RSS](#)

Apr 18, 2018 at 17:00 UTC | Updated Apr 19, 2018 at 10:33 UTC

NEWS

Energy giant BP would consider partnering with blockchain startups that are doing initial coin offerings, and it's even tested tokens internally, an executive said Wednesday.

Speaking at the Blockchain Expo in London, Julian Gray, the technology director for BP's digital innovation organization, voiced a common theme: non-financial enterprises are perhaps more open to open-blockchain innovation than their financial-services counterparts.

TECHNOLOGY NEWS

NOVEMBER 6, 2017 / 7:08 AM / A YEAR AGO

## BP, Shell lead plan for blockchain-based platform for energy trading

2 MIN READ



(Reuters) - A consortium including energy companies BP and Royal Dutch Shell will develop a blockchain-based digital platform for energy commodities trading expected to start by end-2018, the group said on Monday.



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## Shell, BP Back Blockchain Platform to Modernize Commodities Trading



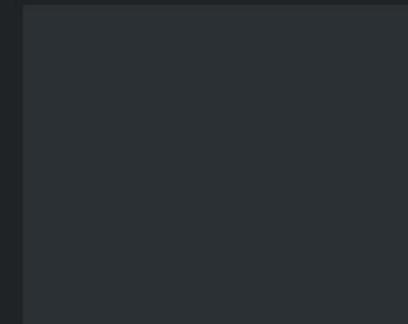
Yogita Khatri  

Nov 13, 2018 at 12:30 UTC • Updated Nov 13, 2018 at 12:35 UTC

Oil industry giants Shell and BP are among a group of firms planning to launch a blockchain platform to automate post-trade processes in the energy industry by the end of 2018.

VAKT Global, the consortium building the platform, [revealed](#) the news at a digital commodities summit

Error loading price data.



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## Nouriel Roubini advierte de un nuevo colapso financiero (peor que el de Lehman Brothers)

*El 'Doctor Doom' Prevé una nueva crisis financiera y seguida de recesión en 2020. El economista que anticipó el descalabro de 2008 ve riesgos en la política fiscal aplicada por Donald Trump.*



Por El Economista (España)

# Western Systemic Crisis 2017-2019 – The Almighty dollar against the Great Petro-Yuan Temptation

© 20 September 2017

**PUBLIC REVIEW** of our monthly bulletin **GEAB** (September, 2017). [Subscribe here !](#)

Qatar, North Korea, the Baltic Sea, risk of a World War III... and all the military ranting mentioned in the media lately, are issues going hand in hand with the programmed and imminent advent of the catastrophic scenario for the dollar as a unique world reference currency: the Petro-Yuan will be in place at the end of the year. More than a petro-currency, it will be a petro-gas-gold-currency! The West is thus preparing to switch to total anachronism with this founding act of the 21st century multipolar world. 2014-2017: here we are, at the end of a three-year exacerbation period of tensions on all front lines (West against the rest of the world) and we are witnessing the up-coming end of the dollar's reign over the world and over all financial systems and their related economic activities. Sanctions, blockades, proxy-wars, direct military threats... the question is whether the current clash of arms is really a warning sign of an Nth suicide of the West whilst hoping in vain to stop time, or whether the solution conveying power is on the verge of carrying away all possible resistance.

## The magnet effect of the brand new Petro-Yuan!

The world's biggest oil importer, China is preparing to launch gold-backed Yuan-denominated oil futures, possibly creating the most important Asian benchmark in the oil sector, allowing oil

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- Merkel survives election 'earthquake'
- EU and US increasingly divided over Iran nuclear deal
- Digital economy must gear up for EU tax reform
- Trump Warned Saudis Off Military Move on Qatar

the dollar as a unique world reference currency than will be in place at the end of the year. More than a petro-currency, it will be a petro-gas-gold-currency. The West is thus preparing to switch to total anachronism with this founding act of the 21st century multipolar world. 2014-2017: here we are, at the end of a three-year exacerbation period of tensions on all front lines (West against the rest of the world) and we are witnessing the up-coming end of the dollar's reign over the world and over all financial systems and their related economic activities. Sanctions, blockades, proxy-wars, direct military threats...

Read more in the GEAB 117

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## TELESCOPE

Germany, Austria, Catalonia ... some features of Europe's face in the aftermath of the 2019 EU Elections

We will try to sketch out the landscape of a series of elections awaiting us until the end of 2017 (in chronological order). Each of these elections reflects the challenges facing Europe by 2019; challenges which come not just from national or regional voters. The success to reconcile voters' expectations, government bets and European citizens' needs will depend on the ability of EU political leaders to understand that fundamental debates for the future of Europe must be open to their level, the European level. But that is pure anticipation already...

Read more in the GEAB 117

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## FOCUS

2018-2020, Airbnb and others: End of the gold rush, possible turning point

The "peer-to-peer economy" has increased extensively and suffered transformations due to the development of giant commercial players such as Airbnb. The growth of this tourist property-renting website between individuals is indeed quite impressive. Despite this dizzying

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Alta

3,117.44  
3,133.83

Baja

3,117.44

Nasdaq Composite  
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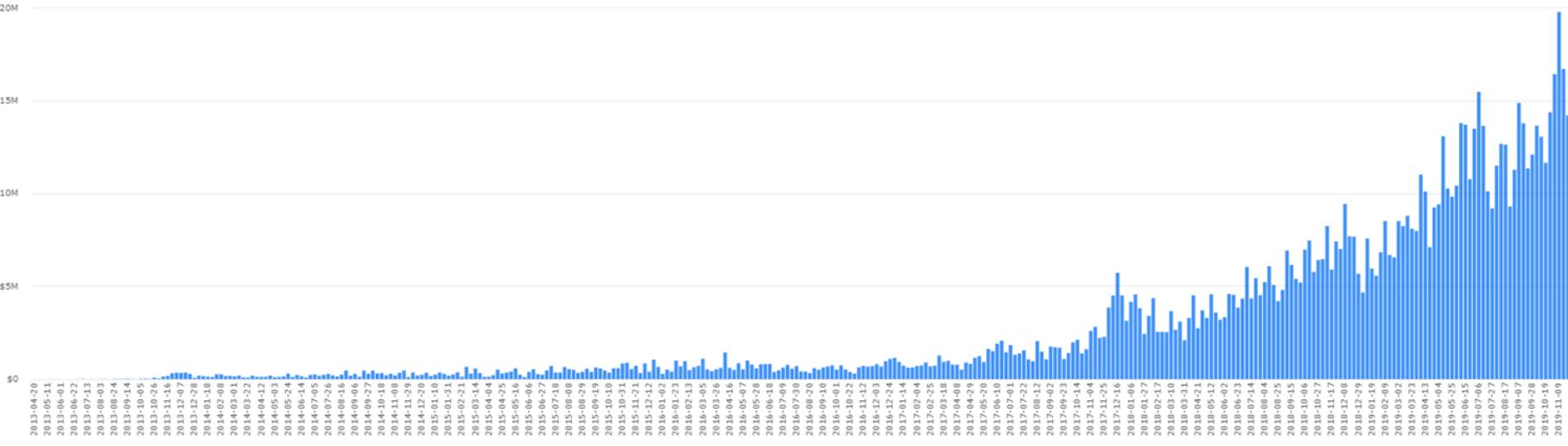
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**Weekly LocalBitcoins Volume (Argentine Peso)**  
coin.dance





## Top 400 Asset Managers 2018: 10 years of asset growth

13 June 2018

For several years following the crisis, the finance industry came under fire - from regulators, politicians and in public discourse. A new regulatory and legislative framework, introduced post-crisis, has fundamentally changed the asset management industry, both directly and indirectly.

And the stimulus of quantitative easing has buoyed markets, which in turn has led to profound changes in the supply-and-demand dynamics in asset management. This has led to a decade of steady growth in the AUM in our study. What else has happened in the last 10 years and what does this tell us about the next 10?

For 2018, the Top 400 Asset Managers for 2018 has been released. The Top 10 stands as the following:

| Rank | Country                          | Total AUM 2018<br>31/12/17 (€m) | Total AUM 2017<br>31/12/16 (€m) |
|------|----------------------------------|---------------------------------|---------------------------------|
| 1    | BlackRock                        | 5,315,409                       | 4,884,550                       |
| 2    | Vanguard Asset Management        | 4,090,010                       | 3,727,455                       |
| 3    | State Street Global Advisors     | 2,316,533                       | 2,340,323                       |
| 4    | Fidelity Investments             | 2,003,270                       | 2,129,650                       |
| 5    | BNY Mellon Investment Management | 1,585,920                       | 1,518,420                       |
| 6    | Capital Group                    | 1,504,359                       | 1,401,780                       |
| 7    | J.P. Morgan Asset Management     | 1,471,226                       | 1,479,125                       |
| 8    | PIMCO                            | 1,462,446                       | 1,406,350                       |
| 9    | Amundi                           | 1,426,107                       | 1,082,700                       |
| 10   | Prudential Financial             | 1,160,583                       | 1,201,082                       |

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28 August 2018



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2 March 2018



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# Top 400 Asset Managers 2018: 10 years of asset growth

|    | Company                                      | Country   | Total       | Total       |
|----|--|-----------|-------------|-------------|
|    |  |           | AUM<br>2018 | AUM<br>2017 |
|    |  |           | 31/12/17    | 31/12/16    |
|    |  |           | (€m)        | (€m)        |
| 1  | BlackRock                                    | US/UK     | 5,315,409   | 4,884,550   |
| 2  | Vanguard Asset Management                    | US/UK     | 4,090,010   | 3,727,455   |
| 3  | State Street Global Advisors                 | US/UK     | 2,316,533   | 2,340,323   |
| 4  | Fidelity Investments                         | US        | 2,003,270   | 2,129,650   |
| 5  | BNY Mellon Investment Management             | US/UK     | 1,585,920   | 1,518,420   |
| 6  | Capital Group                                | US        | 1,504,359   | 1,401,780   |
| 7  | J.P. Morgan Asset Management                 | US/UK     | 1,471,226   | 1,479,125   |
| 8  | PIMCO  | US/Ger/UK | 1,462,446   | 1,406,350   |
| 9  | Amundi                                       | France    | 1,426,107   | 1,082,700   |
| 10 | Prudential Financial                         | US        | 1,160,583   | 1,201,082   |
| 11 | Legal & General Investment Management        | UK        | 1,107,666   | 1,047,470   |
| 12 | Goldman Sachs Asset Management International | US/UK     | 1,073,769   | 1,116,606   |
| 13 | Wellington Management International          | US        | 899,647     | 928,380     |
| 14 | Natixis Investment Managers                  | France/US | 830,847     | 831,501     |
| 15 | T. Rowe Price                                | US/UK     | 825,368     | 768,711     |
| 16 | Nuveen                                       | US/UK     | 810,047     | 838,437     |
| 17 | Northern Trust Asset Management              | US/UK     | 800,644     | -           |

| Company                            | Country   | Total     | Total     |
|------------------------------------|-----------|-----------|-----------|
|                                    |           | AUM       | AUM       |
|                                    |           | 2018      | 2017      |
|                                    |           | 31/12/17  | 31/12/16  |
|                                    |           | (€m)      | (€m)      |
| 1 BlackRock                        | US/UK     | 5,315,409 | 4,884,550 |
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| 10 Prudential Financial            | US        | 1,160,583 | 1,201,082 |



Por Ana Berman

28 AGO 2018

# CIO de JP Morgan: Blockchain reemplazará la tecnología existente

839 Vistas totales

40 Número total de compartidos



La CIO de JP Morgan, Lori Beer, dijo en una conferencia de prensa en Buenos Aires que Blockchain "reemplazará la tecnología existente" en unos pocos años, [según](#) el sitio web argentino Cripto247 el 23 de agosto.

"Veremos un uso cada vez mayor de blockchain [...] En algunos años, [blockchain](#) reemplazará la tecnología existente, hoy solo coexiste con la actual", dijo Beer.

## ELECCIÓN DEL EDITOR

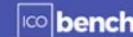
Criptomercados con señales mixtas, en su mayoría con tendencia lateral

Coinbase obtiene la aprobación para ofrecer servicios de criptocustodia en el estado de Nueva York

Coinbase y Circle lanzan Stablecoin USDC con un supuesto respaldo completo en dólares estadounidenses

Periódico chino más grande lanzará un laboratorio de cadena de bloques después de un nuevo acuerdo con una empresa de tecnología

C20: el evento más importante de criptomonedas en español se hará en Buenos Aires



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26 FEBRUARY 2018 | NEWS

# Goldman Sachs-Funded Circle Purchases Poloniex For \$400 Million

BY COLIN HARPER



## Circle Acquires Poloniex

Circle Internet Financial Ltd. recently announced that it has acquired [Poloniex](#) for the cool price of \$400mln. The Goldman Sachs-backed company made the buyout public in a Monday [blog post](#).



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# Pay gap reporting could intensify – 18th May 2018

May 18, 2018 | Weekly News Digest



## Headlines

- PIMCO partners with fintech for quant models
- Santander pioneers blockchain for shareholder voting
- Jupiter shareholders approve CEO's pay



Por Marie Huillet

23 MAY 2018

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Criptomercados con señales mixtas, en su mayoría con tendencia lateral

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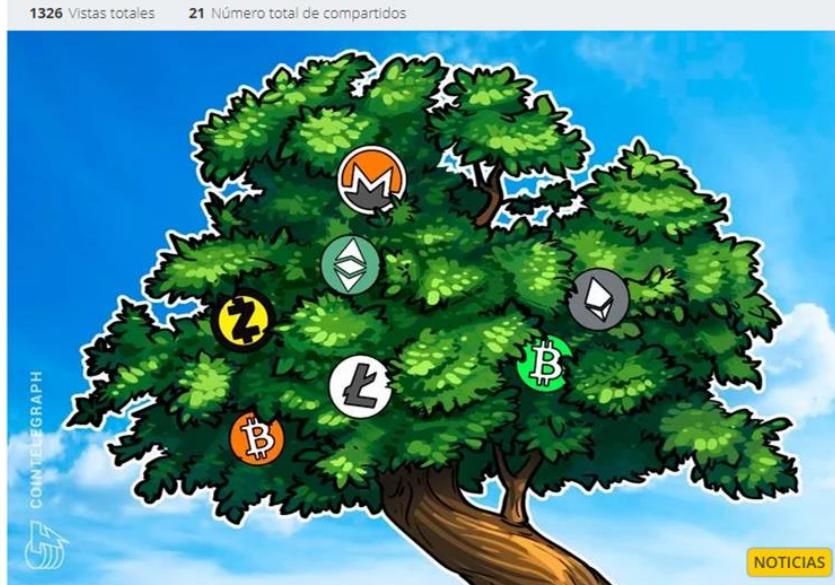
Periódico chino más grande lanzará un laboratorio de cadena de bloques después de un nuevo acuerdo con una empresa de tecnología

C20: el evento más importante de criptomonedas en español se hará en Buenos Aires



1326 Vistas totales

21 Número total de compartidos



Financiado por [Goldman Sachs](#), Circle Internet Financial Ltd. ha lanzado una nueva característica para su aplicación de inversión de criptomonedas [Circle Invest](#) que facilita la entrada al mercado de los "novatos".

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## Mainstream: \$7.2 Trillion Asset Manager Fidelity Will Help Customers Invest in Bitcoin



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One of the biggest names in financial services wants to help institutional investors add bitcoin and other cryptocurrency assets to their multi-billion dollar portfolios.

Citing proven institutional demand for cryptocurrency products, [Fidelity Investments](#), the fifth-largest asset manager in the world with 27 million clients and \$7.2 trillion in customer assets, has announced that it will launch a separate company to provide cryptocurrency custody and trade execution services for institutions.

Dubbed Fidelity Digital Asset Services, [CNBC](#) reports that the company will serve as a bridge between institutional investors and the heretofore retail-focused cryptocurrency industry, which has lately sought



## ICE, Microsoft and Starbucks form cryptocurrency venture

03 August 2018



11



18



2



Intercontinental Exchange (ICE) is teaming up with Microsoft, Starbucks and Boston Consulting Group (BCG) to launch a platform that lets people and firms buy, sell, store and spend digital assets such as Bitcoin on a seamless global network.

Called Bakkt, the new venture will tap Microsoft cloud technology for a digital asset ecosystem covering federally regulated markets and warehousing as well as merchant and consumer applications.

First up, ICE plans a one-day physically delivered Bitcoin futures contract along with physical warehousing. This means that, unlike similar offerings from CME Group and Cboe, contract owners will get Bitcoin, not cash, upon expiration. Launch is slated for November, subject to CFTC approval.

# Vanguard will use blockchain to share index data

Technology is expected to improve speed, accuracy while lowering costs—and advisers might benefit, too



By **Ryan W. Neal**

0  
Shares



The meteoric rise of bitcoin may be dominating headlines, but cryptocurrencies are just the tip of the blockchain iceberg.

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Some say the technology's real opportunity is in revolutionizing the way information of all kinds is stored and shared.

**Vanguard Group** announced Tuesday that it is looking to capitalize on this idea by using blockchain to simplify and automate the process of sharing index data. The \$4.8 trillion asset manager said its blockchain—developed in partnership with the Center for Research in Security Prices (CRSP) and Symbiont, a technology company focused on institutional applications of blockchain—will enable index data to move instantly between index providers and market participants.

(More: [Blockchain will change the advisory business—someday.](#))

Warren Pennington, a principle at Vanguard's investment management

Nationwide purchased JeffNat to expand its focus on RIA and fee-based advisor needs.

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Goldman moves digital bank to wealth unit



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## / INVESTING

by Colin Harper

Associate Editor/Staff Writer

Oct 22, 2018 6:13 PM EST

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# Bakkt's Futures Platform Slated to Begin Trading in December



Bakkt's Futures Platform Slated to Begin Trading in December

Almost a year to the day after the CBOE and CME launched their own bitcoin futures products, the Intercontinental Exchange's Bakkt platform is heralding the launch of its own futures on December 12, though the platform is still pending approval from the Commodity Futures Trade Commission.

Originally slated for November, Bakkt was [announced](#) in August 2018 as "a



## Trending Now

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[Op Ed: In Defense of Bitcoin: A Response to Nouriel Roubini](#)

[Bitmain Releases Overt AsicBoost Firmware for Antminer S9](#)

[Coinbase Just Added Its First Stablecoin](#)

[Blockstack Looks to Boost](#)

# Fidelity, Nasdaq Ventures invest in cryptocurrency exchange ErisX



Reuters 5h

NEW YORK (Reuters) - New cryptocurrency exchange ErisX said Tuesday it raised a total of \$27.5 million from investors including Fidelity Investments and Nasdaq Ventures.

ErisX says it will offer investors the ability to trade the cryptocurrencies bitcoin, litecoin and ether on spot and futures markets starting next year, subject to regulatory approval.

Cryptocurrencies are virtual tokens that can be used as forms of payments on a variety of online applications. They can also be traded on dedicated online exchanges.

Nasdaq confirmed it participated in the funding round but declined to give a dollar amount. Fidelity did not immediately respond to requests for comment.



Representations of the Ripple, Bitcoin, Ethereum and Litecoin virtual currencies are seen on motherboard in this illustration picture Thomson Reuters



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The world's largest cruise ship just landed in Miami — here's what it's like on board



By Helen Partz

NOV 18, 2018

# Major Swiss Stock Exchange SIX Lists World's First Multi-Crypto ETP Amidst Market Collapse

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Switzerland's principal stock exchange SIX Swiss Exchange will list the world's first multi-crypto-based exchange-traded product (ETP) next week, the [Financial Times](#) (FT) reported Saturday, Nov. 16.

BTC/USD 7,211.0  
VOL 123,506,172 USD 197.50 ▲ (2.82%)  
LOW 6,618.0 HIGH 7,414.4  
Your BTC/USD Rank N/A

## TICKERS

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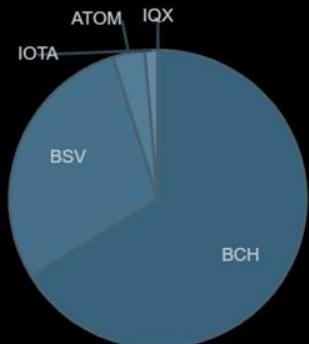
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Market  
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Stop-Limit  
Trailing Stop  
Fill or kill  
Immediate or Cancel  
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Scaled  
Token Manager

7,209.3 USD

Range Sell





# History of Bitcoin Declines

| Dates                  | High     | Low     | % ▲   | # weeks<br>to new<br>highs |
|------------------------|----------|---------|-------|----------------------------|
| 12.17.17 to ????       | \$19,891 | \$4,035 | 79.7% | ???                        |
| 11.29.13 to 8.18.15    | \$ 1,141 | \$ 152  | 86.7% | 169                        |
| 4.10.13 to 4.12.13     | \$ 259   | \$ 45   | 82.6% | 30                         |
| 8.19.11 to 11.21.11    | \$ 12    | \$ 2    | 83.3% | 53                         |
| 06.11.2011 to 11.21.11 | \$ 35    | \$ 2    | 94.3% | 81                         |
| Average                |          |         | 85.3% | 67                         |

Sources: Factor LLC, Coinbase, Bitstamp, Bitfinex, Mt Gox, bitcoincharts.  
 Historical prices vary significantly by exchange.

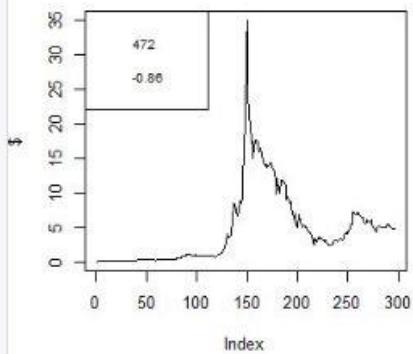
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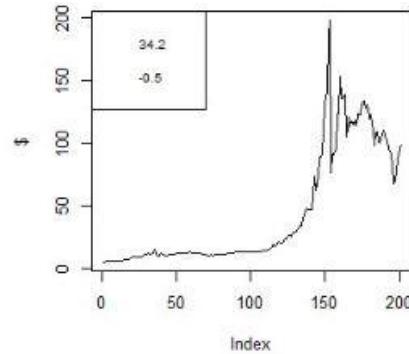
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#Bitcoin bubble history



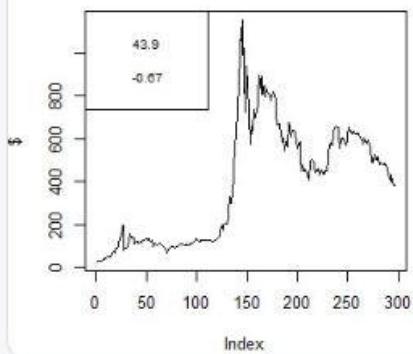
2011



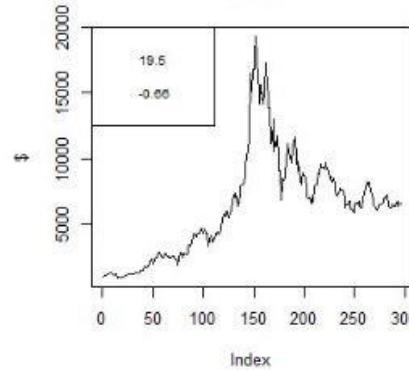
2013



2013/2014



2017



# BITCOIN

2010 - 2018

+ 191808263 %

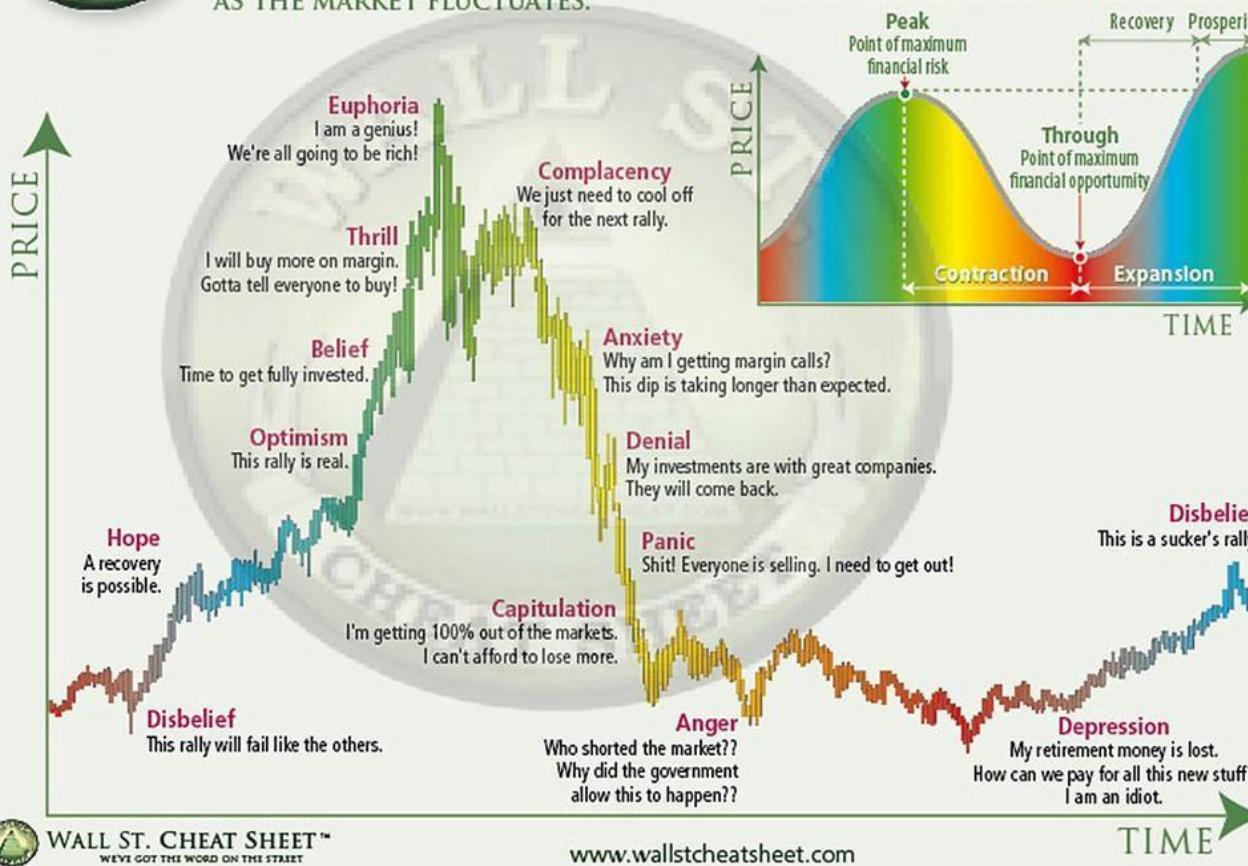


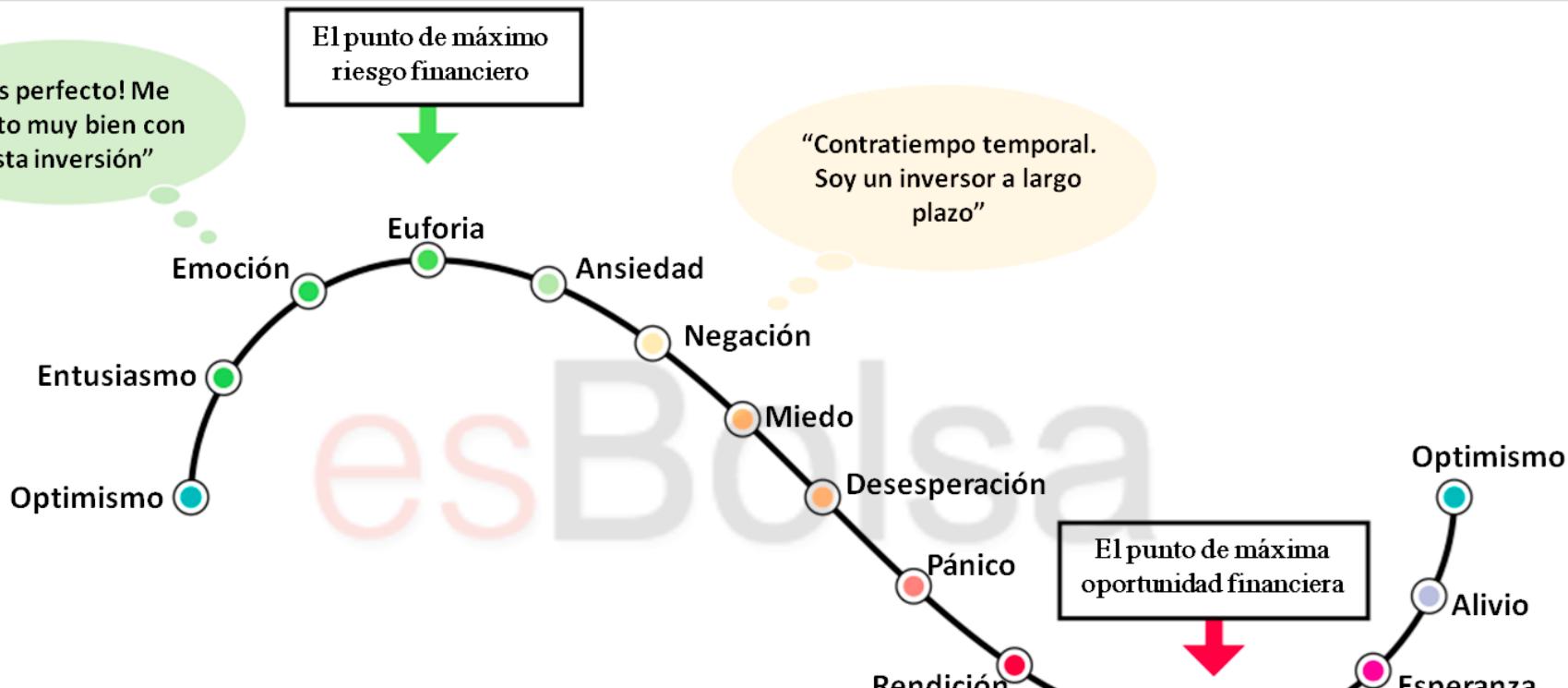


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## PSYCHOLOGY OF A MARKET CYCLE

THE FEELINGS APPEARING AS THE MARKET FLUCTUATES.





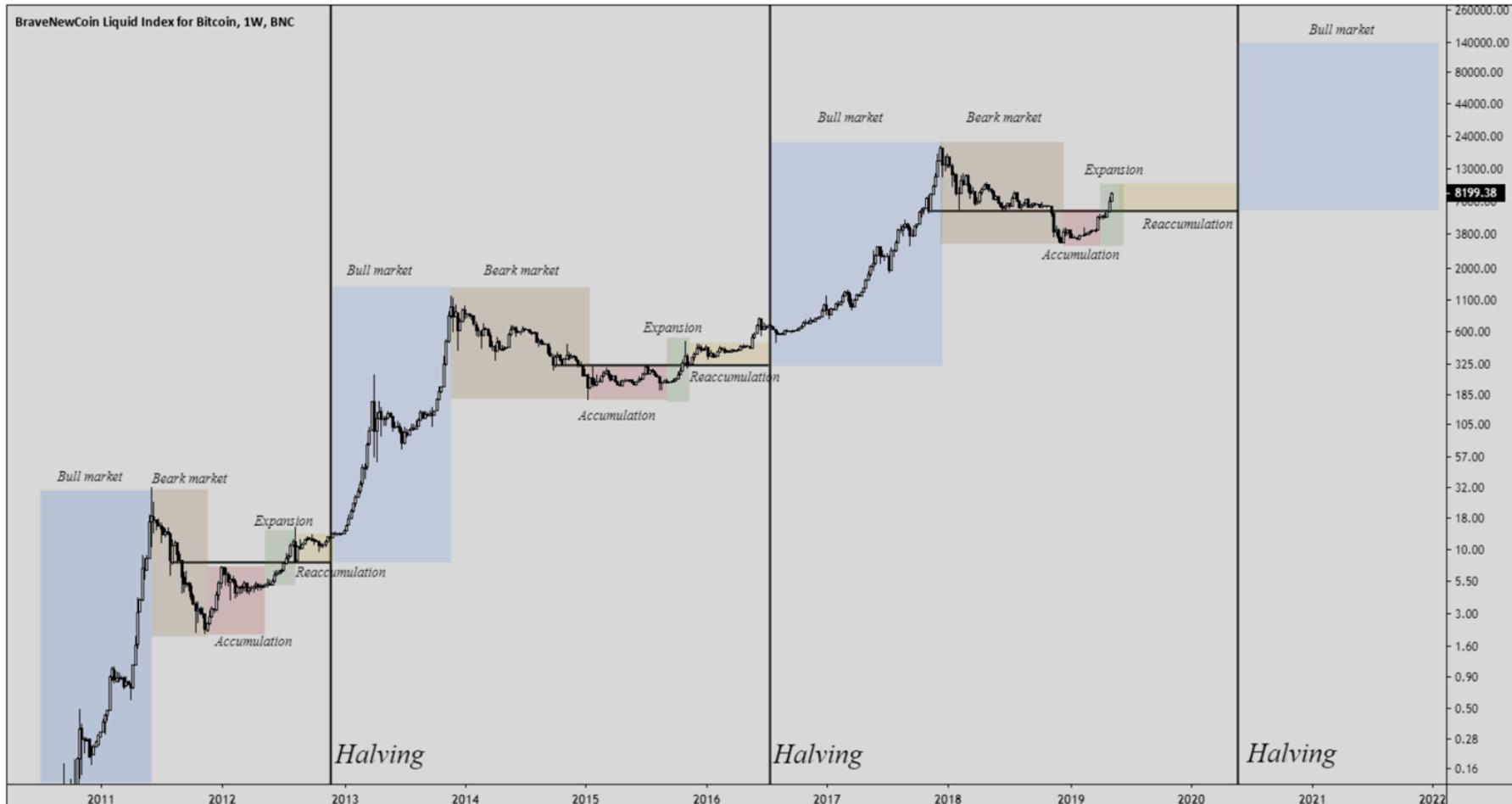
“Quizás los mercados  
no son para mí”



BraveNewCoin Liquid Index for Bitcoin, 1W, BNC

O6149.65 H6320.98 L6053.35 C6077.32 -72.33 (-1.18%)





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2fa códigos resguardo

12 word phrase

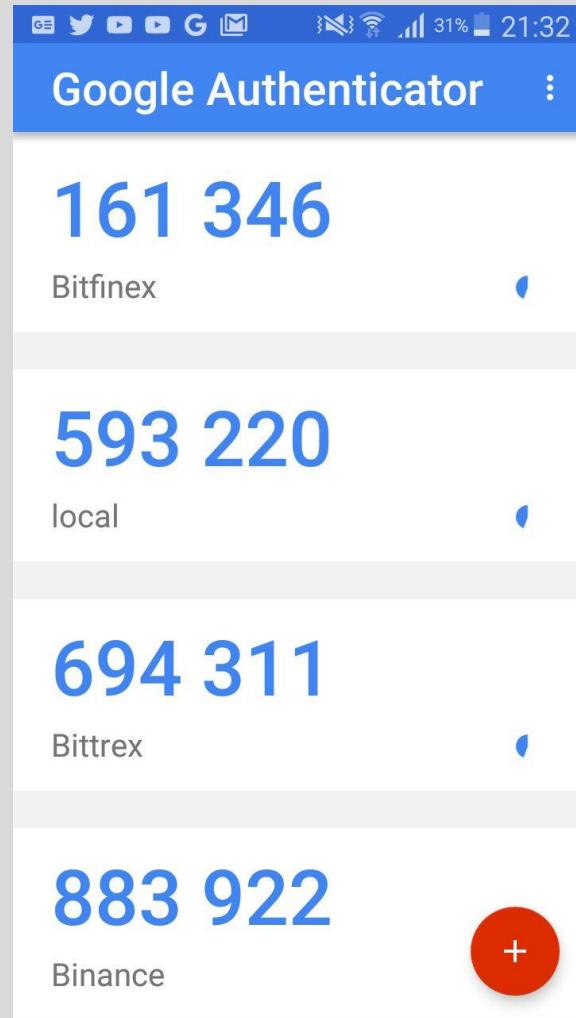
Patrón de contraseñas

Exchange Api key

# 2FA

# Two Factor Autenticator

habilitar uno





Physical Security Key using FIDO  
Universal 2nd Factor (U2F).

**Protected actions:**

- Logins
- Withdrawal Confirmations
- Password Changes
- API Key Creation
- Security Settings Changes
- Sensitive Account Settings Changes

SETUP



Google  
Authenticator

Use Google's Android or iPhone app  
for adding token-based 2FA.

**Protected actions:**

- Logins
- Withdrawal Confirmations
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- API Key Creation
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Enabled [Disable](#)

 Security

 Notifications

 Interface

 Verification

 Affiliate

 Reports

 Leaderboard

 API

 Knowledge Base

 Support Center

 Announcements

 Careers

## Email Encryption

Set up encryption for email services



## Two-Factor Authentication

Configure 2FA services



## Session

Adjust session settings

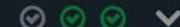


## Withdrawal Address Whitelist

Withdrawal Addresses Whitelist



## Withdrawal Settings



### Monitor Withdrawals by IP

If a withdrawal is requested from a new IP address you will receive an email asking you to check and verify the withdrawal. The 'untrusting' period for IP changes is 24 hours. If the withdrawal is made more than 24 hours after the IP address change, this extra email check is not triggered.

Off  On

### Lock withdrawals for 24 hours when a new IP address is used

When a new IP address is used to log into your account all withdrawals will be locked for 24 hours and you will receive an email notification.

Off  On

### Custom Withdrawal Check

Add a secret phrase to the withdrawal confirmation image. This is another step to help you ensure your withdrawal details have not been compromised by malware on your browser or a

Off  On

