

**ESTA Vienna 2019**

**Cash and Cryptocurrencies**  
***The perfect match?***

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# Banks War On Cash

blogs.imf.org/2019/02/05/cashing-in-how-to-make-negative-interest-rates-work/

GLOBAL ECONOMY FINANCIAL MARKETS GOVERNMENT INCLUSIVE GROWTH TECHNOLOGY ENVIRONMENT

(PHOTO: BIRDLKPORTFOLIO/GETTY IMAGES BY ISTOCK)

## Cashing In: How to Make Negative Interest Rates Work

FEBRUARY 5, 2019

Get email

IMF Feb 2019

Cyprus bailout Global Economy

## How did Cypriots respond to the 2013 banking crisis?

MARCH 20, 2018 By Matthew C Klein

Almost exactly five years ago, Cypriot bank depositors found themselves in a pickle:

“Germany is adamant that the banking system in Cyprus must be shrunk to half its present size and Cyprus’s two largest banks restructured as part of any rescue plan...Senior EU leaders, including Olli Rehn, the commission’s economic chief, and Mr Dijsselbloem had originally expressed reservations about the plan out of

Cyprus 2013 Bail-in



Facial recognition is one element of China's expanding tracking efforts Photo-illustration by TIME: Source Photo: Gilles Sabrié—The New York Times/Redux

## How China Is Using “Social Credit Scores” to Reward and Punish Its Citizens

By Charlie Campbell / Chengdu

China Social Credit Scores

## Bitcoin is 10 years old

- First decentralised trustless Cryptocurrency
- No centralised entity that can control the network- 'Blockchain'
- Mathematically limited supply, 21 million Bitcoins
- Fulfils 6 characteristic of 'money' as per the St Louis Federal Reserve
- Secure, transparent, pseudo anonymous system
- First Byzantine fault tolerant system
- 600000+ Merchants globally accepting BTC for payments
- \$24bn daily trading volume.

### Price- The least interesting indicator

Year	Yearly Low \$
2012	4
2013	65
2014	200
2015	185
2016	365
2017	780
2018	3200



## The 6 Characteristics Of Money From the St Louis Fed

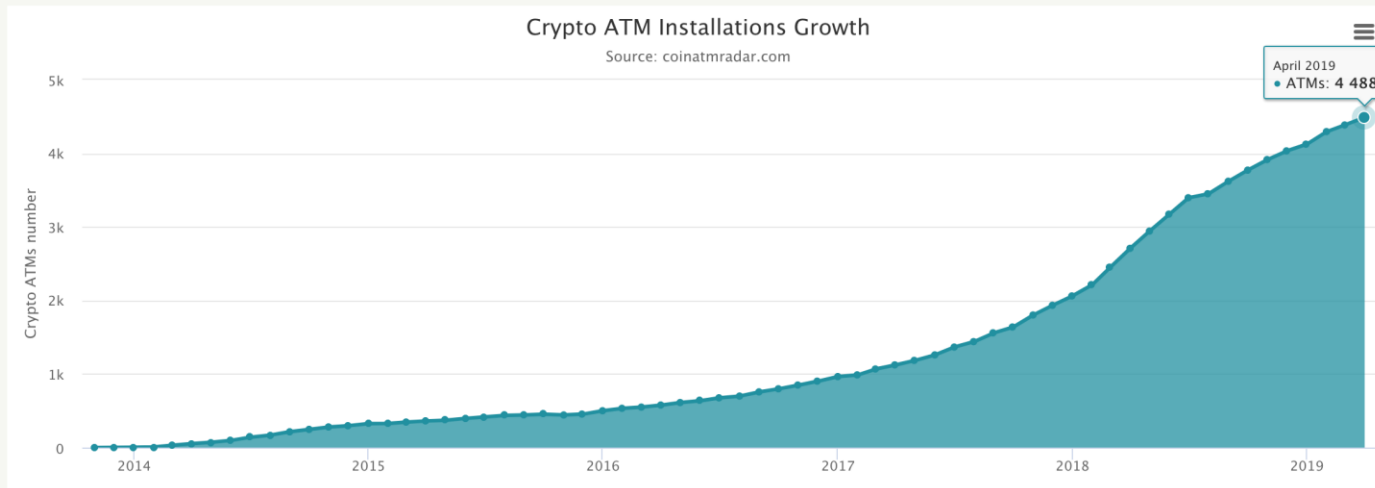
	Gold	Cash	Bitcoin
Durability	High	Medium	High
Portability	Low	High	High
Divisibility	Low	Medium	High
Uniformity	High	Low	High
Limited Supply	High	Low	High
Acceptability	Low	High	Low

# Bitcoin + Cash ATMs

+100% YoY growth for the last 5 Years

## Bitcoin ATM Installations Growth.

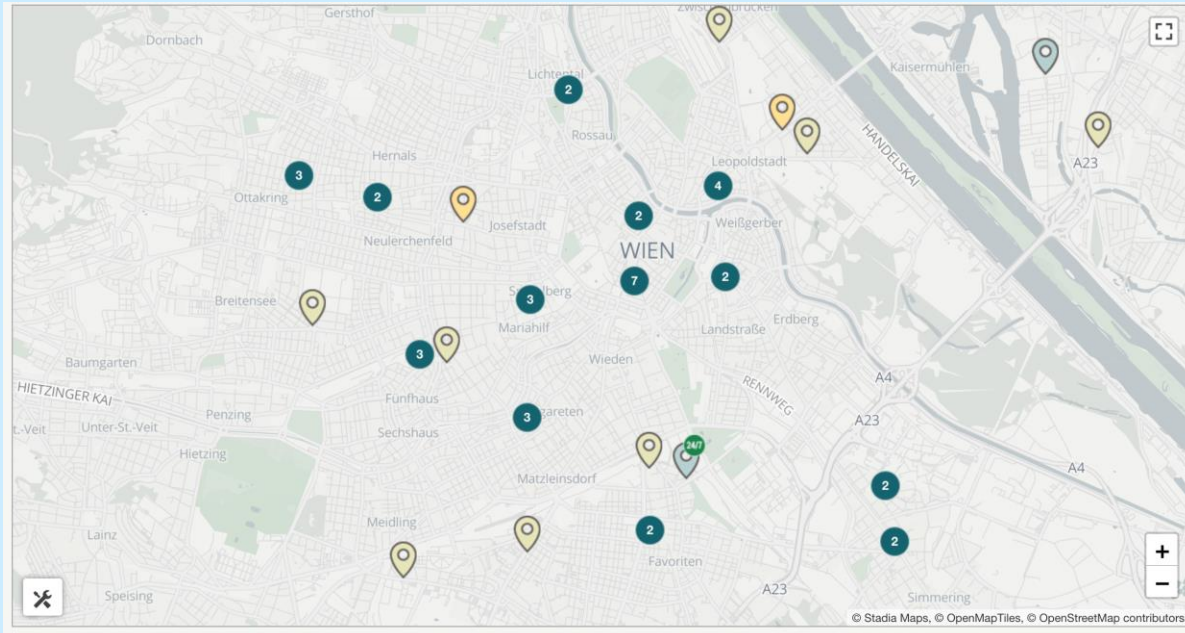
The chart shows number of bitcoin machines installed over time.



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

# Austria

- 271 Bitcoin ATMs
- 88 Bitcoin ATMs in Vienna
- Buying and Selling for Cash
- Average Margin: ~8%



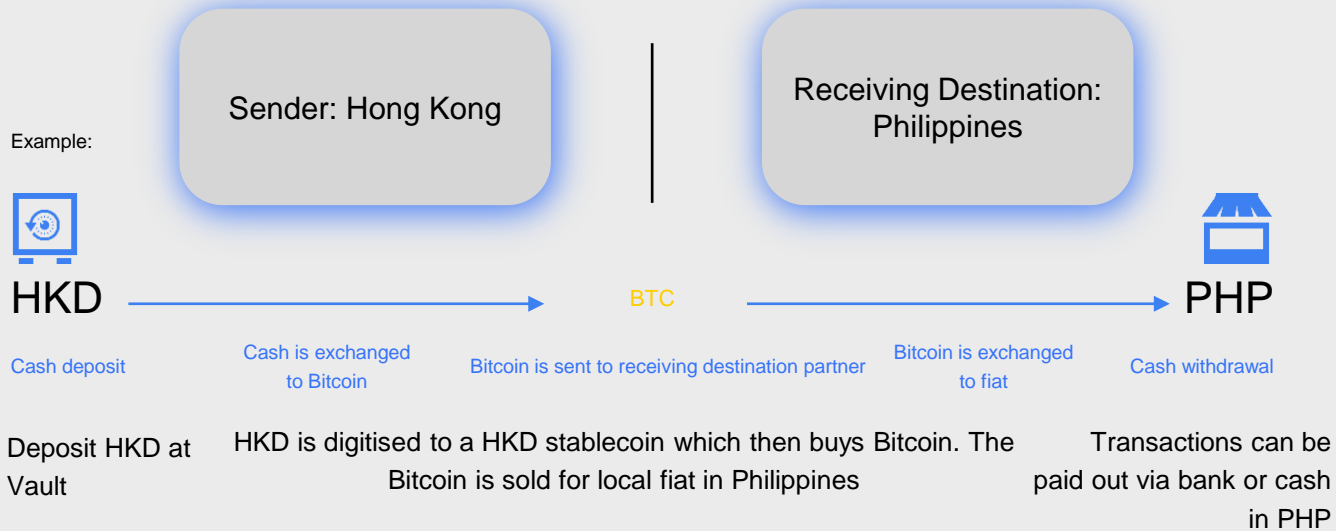
## Marshall Islands Issues New Sovereign Currency

- A physical 'banknote' with a digital cryptographic key of a spendable Cryptocurrency
- Legally same status as USD and issued by RMI government
- Physical instant settlement paired with digitally capable settlement
- The future of cash?



# How Bitspark Moves Money

Buy Bitcoin on the send side, sell it on receiver side. Cash stays at a Vault and is digitised





## Cash and Cryptocurrencies not going away

- **Cash can settle in person transactions instantly, Cryptocurrencies can settle instantly over the internet where cash cannot.**
- **Negative interest rates, Bail-ins and IMF style confiscation of cash vs bank money- cryptocurrencies offer an alternative.**
- **Cash and Cryptocurrency usage and adoption continue to grow globally.**
- **Existing cash businesses are ideally suited to integrate cryptocurrency as an additional revenue generator**



# Q&A

