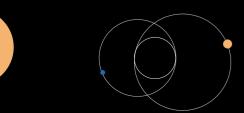
## RACONTEUR

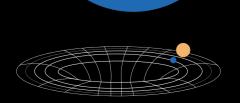
# CRYPTOCURRENCIES

03 WHAT DRIVES THE VALUE OF CRYPTOS? WHY CRYPTO JOBS ARE SET TO BOOM **EXPLORING BITCOIN'S** 14 10 ENERGY PROBLEM





## Real-World DeFi





# Print media can't generate leads. Wrong.

Some of the advertisers in this report will generate over 200 leads thanks to **Raconteur's integrated** print and digital campaigns.

Email enquiries@raconteur.net to find out more.



## **CRYPTOCURRENCIES**

Distributed in THE TIMES

Contributors

Alison Coleman A writer and editor working as a senio contributor at Forbes. with articles publish The Guardian and Employee Benefits

Alasdair Lane A journalist covering business, tech, politics and social issues. He ha written for publication including Forbes, The Washington Post and The Spectator

**Oliver Pickup** An award-winn journalist specialising in technology. business and sport contributing to a wide range of publication

R raconteur reports

Alex Gibson

Managing edit Sarah Vizard

Deputy edito Francesca Cassid

> Sub-edito Gerrard Cowan

Head of productio Justyna O'Connel

Although this publication is funded through advertising and sponsorship, all editorial is without bias and sponsored features are clearly labelled. For an upcoming schedule, partnership inquiries or feedback, please call +44 (0)20 3877 3800 or email info@raconteur.net Raconteur is a leading publisher of special-interest content and research. Its publications and articles cover a wide range of topics including business, finance, sustainability, healthcare, lifestyle and echnology. Raconteur special reports are published exclusively in The Times and The Sunday Times as well as online at raconteur.net The information contained in this publication has been obtained from sources the Proprietors believe to be correct. How no legal liability can be accepted for any errors. No part of this publication may be reproduced without the prior consent of the ublisher. © Raconteur Media

raconteur.net

#### **Ruby Hinchliffe**

A freelance fintech. charity and climate sector writer, contributing to various trade publications and reporting for FinTech Futures

#### **Rich McEachran**

	A journalist covering
	technology, startups
as	and innovation.
s	He has written for
	The Daily Telegraph,
	The Guardian and
	Professional Engineering.

#### **Alex Wright**

	A business journalist
g	writing for international
	finance trade
	publications including
e	Acuity, Insurance Times
	and Risk & Insurance.

DISCLAIMER: content in this publication should not be used as financial advice. Please ensure that you always seek the help of a qualified investment adviser or financial professiona

	Design
	Pip Burrows
	Kellie Jerrard
	Colm McDermott
	Samuele Motta
	Nita Saroglou
	Jack Woolrich
v	Sean Wyatt-Livesley
3	
	Illustration
	Sara Gelfgren
	Celina Lucey
	Art director
11	Joanna Bird
	Design director
	<b>Tim Whitlock</b>



## What drives the value of cryptos?

Everyone is talking about cryptocurrencies. But, for those of us on the outside, their value is still something of a mystery

#### **Ruby Hinchliffe**

PRICING

hanks to Elon Musk and his 57.1 million Twitter followers, the noise around cryptocurrency is louder than it's ever been before. While the Tesla and SpaceX CEO is far from solely responsible for the alternative digital asset's rise to fame, his tweets have played a huge part in catapulting its value to new heights.

Cryptocurrencies are intrinsically volatile. Since 2011, a year after bitcoin gained monetary value, the crypto poster child has fallen victim to its own inflated prices. That year, it went from highs of \$32 (about £23) to lows of \$2. The scale is different in 2021, but the volatility remains, with the cryptocurrency reaching highs of \$64,000 and lows of near \$30,000.

Despite bitcoin's fluctuating price, it continues to correct itself at higher values. In June 2020, its price sat at about \$9,000. A year later, its value is fluctuating around \$35,000. That's an increase of nearly 290% – a notable gain for longer-term investors.

It's easy to conflate bitcoin with crypto, but there are actually about 4,000 such currencies in circulation worldwide - more than the number of fiat (government-issued) currencies in existence. The number of cryptos is likely to continue growing, largely because it is so 20 December 2020, when Musk easy to develop a new coin, which in simple terms is simply a computer code generated by open-source software designed to transact value online.

The way a coin is developed, and for what purpose, has a massive bearing on its value. While there are thousands in existence, the top 20 coins are believed to constitute about 99% of the whole market by volume, according to crypto website CoinDesk.

Much like fiat currencies, the price of cryptocurrencies is heavily swayed by supply and demand. But it's also determined by the cost of their production.

"Look at the use case of a coin," says Edward Cooper, head of crypto at Revolut. He emphasises utility as the most important component in a cryptocurrency's value. "How much technical engineering is going on to update the protocol? What is the calibre of the founding team?'

For bitcoin, that utility is solving the problem of wealth storage, while the world's second-largest cryptocurrency, ethereum, can be used as the foundation for apps. By contrast, dogecoin was created in



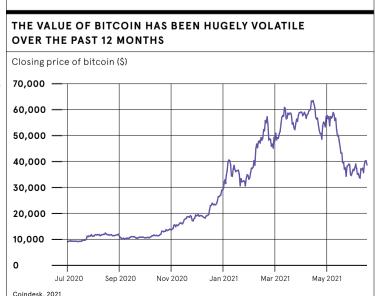
two hours as a joke and enjoyed | Not all cryptocurrencies have a cap. a value boost of nearly 20% after Ethereum doesn't, for instance, and tweeted: "One word: doge."

utility tests, says Cooper. "The value | has a set number of monetary polihere comes from speculation."

Retail investors should remember asset, with a 21 million cap written weighs supply, its price will contiacts as an effective store of value. best-known so-called stablecoins,

neither does dogecoin.

But a cap is not the only way to Dogecoin doesn't pass some of the hedge against inflation. Ethererum of cryptocurrencies as a key factor cies, including a fixed supply and hence, a more predictable value. issuance schedule, to keep its value This month. El Salvador's decision that bitcoin is a limited-supply constant. As long as demand outinto its source code. This is why it nue increasing. Tether, one of the the coin's value. That works both



is pegged to the dollar to anchor its value.

External factors will clearly also influence the value of a cryptocurrency, including the statements of high-profile figures such as Musk. In June 2021, the billionaire drove up the value of cumrocket, an alternative coin for creators of adult content, by nearly 400%. But he also sparked a price dip of 7% in bitcoin after he suggested that he was "breaking up" with it.

Diana Biggs, a former senior HSBC executive who now leads cryptocurrency startup Valour, notes that cryptocurrencies are still in their infancy" and market caps tend to be relatively small. This contributes to their volatility and makes them susceptible to the influence of individuals. Still, "the more big companies invest, the more individuals will find it hard to move the market", Cooper notes.

That investment is already happening. A decade ago, bitcoin was deemed a tender of the 'dark web'. Now PayPal's millions of American wallet holders can spend bitcoin just as they would the dollar. And Morgan Stanley has become the first big US bank to begin offering global clients access to bitcoin funds. Support from the establishment is growing – and fast.

Biggs also cites greater government clarity concerning the usage in their route to adulthood and. bitcoin as legal tender added 6% to ways, of course. The national ban on cryptocurrency services by Chinese regulators in May sent bitcoin plummeting by nearly 20%.

"To say that Musk is the driver [behind a recent fall in bitcoin's value] probably gives him too much credit," says Yang Li, chief growth officer at crypto account provider Ziglu. "He definitely plays a part, but at the same time you've got the crackdown on bitcoin mining in China, or in the US they're looking at new taxation for crypto profits."

Li is right. Many of Musk's assertions have been compounded by regulatory decisions. The Chinese ban, for example, furthered a weeklong decline in bitcoin's value after Tesla declared that it would no longer accept bitcoin transactions for its electric cars. Musk may seem like a crypto market mover, but he's far from alone.

### BANKING

# Crypto goes official

Central banks are getting into the digital currency game. For the crypto sector – and monetary systems more generally – the consequences could be seismic

#### **Alasdair Lane**



But the promise of anonymity has also made them a favoured financial medium for fraudsters and other criminals. And, beset by explosive volatility, they fall far short of being a viable payment method. But what if that were not the case?

For monetary authorities worldwide, this is the trillion-dollar question. Spurred by the crypto sector's meteoric rise, dozens are looking at creating their own central bank digital currencies (CBDCs) – virtual money that replaces cash with electronic tokens.

Done correctly, this could democratise finance, clamp down on crime their meeting in early June that and offer far greater efficiency. Yet tighter regulations need to be apdeep in CBDCs' digital DNA are plied before permission to launch concerns about state surveillance can be granted. and individual privacy, as well as the prospect of a cashless society that might not work for all.

For years, central banks had little more than a passing interest in virtual money. This situation changed abruptly in mid-2019 when Facebook stated its intention to launch Libra, a proprietary digital currency that would monetise its sprawling social network.

"After Facebook's announcement central banks became concerned about monetary sovereignty," explains Ole Moehr, associate director of the GeoEconomics Center at the Atlantic Council, an international think-tank. "They were – and still are - worried that they might lose that sovereignty" if a digital currency such as Diem (Libra's new name) gains popularity among the platform's 2.8 billion users.

Two years on, central banks are scrambling to catch up. The Atlantic Council's GeoEconomics Center, which tracks CBDC development authorities were researching virtual

leading the pack. Each nation has a pilot CBDC in circulation and there s speculation about a national rollout in China next vear.

Eager to make up ground, though fundamentally more cautious, western economies are moving ahead with their own CBDC plans. In April, the Bank of England and the Treasury created a task force to examine the potential of a digital pound, snappily named "britcoin" by the chancellor, Rishi Sunak.

erve centre the European Central Bank's

HQ in Frankfurt i

policy for the

where monetary

rozone is made

Yet, as the case of Facebook's Diem shows, some hefty regulatory roadblocks remain. For instance, G7 central bankers and finance ministers have decided that stablecoins - cryptocurrencies that peg their market value to an outside asset, such as gold or the dollar - carry systemic risks. They reiterated at

The same applies to their own CBDCs: G7 finance ministers concluded at their meeting that all digital currencies must operate "within appropriate privacy frameworks and minimise spill-overs".

This commitment to regulation is the single biggest difference be tween CBDCs and cryptocurrencies such as bitcoin or ethereum. The two types are likely to share some foundational technology - namely: blockchain, a distributed electronic ledger that enables transactions to be recorded and accessed in real time. But cryptocurrencies are unregulated and decentralised, governed not by a single entity but by a disparate band of online custodians. By definition, a CBDC is controlled by a central body.

The arrival of CBDCs could there fore precipitate the demise of their unregulated forebears, according to some experts.

"CBDCs certainly throw the use case for bitcoin and ethereum as globally, found that 35 monetary currencies up into the air," says Susannah Streeter, senior investcurrencies in mid-2020. Today, that ment and markets analyst at fund total has more than doubled. The manager Hargreaves Lansdown, "If there is an alternative system of unlikely to change, even with cendigital currency that's supported tral banks in the game. and regulated by central banks, people will migrate over to that system, not least because their money the growth of global stablecoins will be guaranteed."

backed by the full faith and credit of violent swings in value, hampering carry financial incentives. their ability to serve as a serious payment medium.

Then again, this speculative naviable currency, most view them as trepidation: commercial banks. assets, hoping for stratospheric re- As CBDCs are a complete replace turns, or as hedges against inflation,

Perhaps the more pertinent ques tion is whether CBDCs will squash such as Diem. While they could well Ten pounds, dollars or euros of coexist in a shared regulated sys-CBDC would, in other words, always tem, certain rivalries are likely to be worth 10 pounds, dollars or euros, emerge if non-state virtual currencies offer their customers interest. the government. Cryptocurrencies, throwing the gauntlet down to on the other hand, are prone to CBDCs, which aren't expected to

A showdown between a stablecoin and a CBDC would not be a bad thing for consumers – competition drives ture is precisely what appeals to so down costs, after all. But there is one many crypto enthusiasts. Rather group that will be watching the than treating their holdings as a development of digital money with

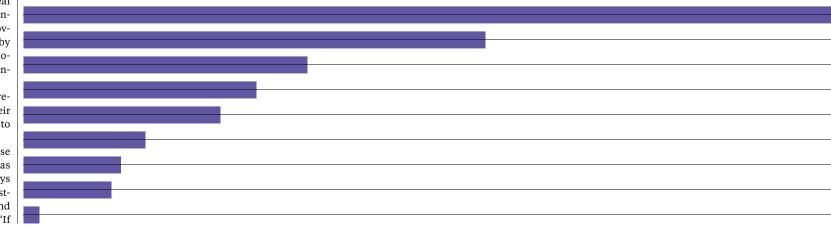
ment for physical money, not simply taking the place of gold. That's a representation of it, as is the case

If there is an alternative system of digital currency that's supported and regulated by central banks, people will migrate over to that system

with today's electronic cash, the intermediary role of these banks would, in theory, be very limited. With money held directly by the customer (on their phone or other digital device) why involve a potentially costly middleman? The answer, according to Anthony Culligan, founder and chief engineer at blockchain company SETL. is expertise. "There's still going to have to be somebody who curates us into this digital money world," he says. "The Bank of England is a a technology organisation in the

CONSUMER PREFERENCES FOR A CENTRAL BANK CRYPTOCURRENCY IN THE EU

w would you rank, in order of importance, the features that a digital euro should offer?







the market value of all the world's cryptocurrencies surpassed the record-breaking \$1tn mark in January 2021

Bloomberg, 202

the UK relied on cash in 2019, according to trade body UK Finance. That's down from close to 60% in 2009. Contactless payments have proliferated during the pandemic a trend that CBDCs, being wholly virtual, will almost certainly accelerate. This could disenfranchise poor, rural and elderly communities that rely largely on cash.

It's possible, however, to make quite the opposite argument: that CBDCs will actually advance the cause of financial inclusion. For people estranged from the banking system, there'll be no need to apply for a bank account or cash card to access their money. All they will need is an electronic device.

A shift away from cash could also help authorities to crack down on fraud, because it would be harder for criminals to launder large sums with less physical money in circulation. Similarly, banks will find it easier to keep track of currency movements, with the ownership of every electronic token digitally documented - helpful when dealing with issues such as tax avoidance.

But this sort of surveillance capability has ramifications for civil liberties, analysts argue. One expert with concerns in this area is Sabrina Rochemont, a member of the cashless society working party at the Institute and Faculty of Actuaries.

"Privacy is a major concern," she savs. "It is related to trust in both governments and big technology companies. If accounts are held with small place. It's not going to be run- a payment service provider and ning a service for 50 million custom- the use of a CBDC is free of charge. ers. It couldn't do it, because it's not consumer and transaction data may become the revenue stream for pay same way as commercial banks are." ment businesses. Most of us leave The cash economy is likely to be vast trails of data in our daily lives as less resilient. The disappearance of we seek convenience. Whom do you physical money is already well ad- trust more with your data: a central vanced: only 23% of transactions in bank or private businesses?"

43% Privacy

18% Security

9% Offline use

5% Ease of use

3%

<1%

Absence of

additional costs

Usability across

Speed of transaction

Availability of a dedicated

the eurozon

settlement

Integration with

smartphones/te

physical device

Eurosystem, 2021



## **STILL CONFUSED ABOUT CRYPTO?** WE CAN HELP!

Learn from the experts Easy to access and totally free

Join our FREE webinar 'Crypto for Beginners' Now or Download our FREE eBook 'Crypto: Clear & Simple' Now

Just visit Dacxi.com/learncrypto or Scan the QR CODE with your phone camera here:



Dacxi is a leading crypto-wealth investment platform that provides high quality learning experiences for anyone new to the crypto industry.

FREE CRYPTO KNOWLEDGE FREE CRYPTO CONFIDENCE



#### UTILITY

# For long-term crypto gains, look to utility

Cryptocurrencies with utility are a smart investment for the long haul, according to industry experts

#### **Rich McEachran**

ith more than 4,000 cryptocurrencies to choose from. it's hard to know which to invest in. But, while all such coins are prone to price volatility, experts rank one quality above all others: utility In the cryptocurrency world, utility refers to digital tokens built on a specific blockchain system (often based on ethereum's ERC-20 standard) that will grant their holders certain rights. For example, filecoin holders are allowed to use its decentralised data storage network. Alternatively, a game development firm could issue utility tokens to fund its next release, which holders could spend on gaming accessories.

"Any cryptocurrency is only as good as its use case," observes Katharine Wooller, MD of crypto wealth-building platform Dacxi in the UK and Ireland

Many investors buy bitcoin because it's the best-known name in the industry. But, while bitcoin can prices are influenced by supply and will deliver explosive gains. improve financial inclusion and enable borderless payments, experts consider its use case to be limited. Ethereum is the preferred system for building cryptocurrency projects. Ethereum and many other currencies offer direct utility in various areas, which could boost their value in the long run.

"The most visible cryptocurren cies are those addressing or solving specific problems on a macro level," says Roman Matkovskyy, associate professor in finance and accounting at Rennes School of Business

The technical jargon can be confusing. But, if you're a non-expert investor, you're probably only interested in buying coins on a crypto currency exchange and storing them | MANY MEME COINS HAVE A RELATIVELY in a digital wallet. Nonetheless, it's spend time researching and analysing a coin's long-term intended use. Wooller warns. A white paper detailing a coin's plans, purpose and tech nology, published before its initial coin offering, will be freely available online

But utility is no guarantee of success. There must also be sufficient demand for a coin's ecosystem. On top of the 4,000-plus cryptocurrencies in circulation, there are more CoinMarketCap, 2021



than 2,000 'dead' coins that have | over the past 12 months. Worryingly, failed, according to Coinopsy, which however, there has been a recent tracks cryptocurrencies that have surge in demand for so-called memo been abandoned by their creators | coins, such as dogecoin and shiba or have no trading volume at all. inu. The former rallied by more Most of these dead coins struggled | than 12,000% between the start of because there simply wasn't enough | January and early May. Retail inves demand for their ecosystems.

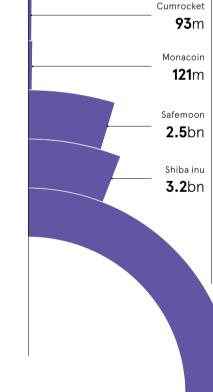
have no underlying value and their and ethereum in the hope that the demand. Their potential future growth will depend on how well largely useless. While still token they address the problems they're attempting to solve and the accept- | blockchain ledgers, meme coins ance of cryptocurrencies in general. Matkovskyy explains. "If we agree | and their holders are not granted on using them, value will be created in the process," he says.

The fact that cryptocurrencies are decentralised and not tied to a bank in August last year, began life as a or government means that they've become a popular hedge against rising inflation and low interest rates for savers, especially since the start | not considered a long-term store of of the pandemic. They have far out-

tors have been pouring money into Cryptocurrencies, by their nature, these cheap alternatives to bitcoin

> The problem? Meme coins are based and built on, or connected to can't be used for any other purpose any specific rights. Dogecoin, fo instance, was launched back in 2013 as a joke, while shiba intu created satirical homage to dogecoin.

While any cryptocurrency investment is risky, these meme coins are value, unlike coins with utility performed gold and other assets | They may have mass speculation of



Dogecoin 40.5bn

## 66 Utility is the lifeblood of the crypto ecosystem. Without it, there's

heir side right now, but they are unlikely to survive in the long term argues Mathieu Hardy, chief dev elopment officer at crypto-focused fintech company OSOM.

"Meme coins symbolise the antithesis of utility," Hardy says. Once blockchain networks gain critical mass, he adds, all the speculation "will die down, taking the majority of meme coins with it".

Paddy Osborn, managing director of the London Academy of Trading, says it's clear that cryptocurrencies with utility offer far superior long term returns to those of coins with no intrinsic value or function.

"The big challenge", Osborn adds s to identify these hidden gems within this very complex and fast moving industry before their price gets too expensive.<sup>3</sup>

So where should investors turn if they are looking for the long-term gains of utility, rather than a quick profit through speculation?

For many experts, ethereum is the top choice. It provides a platform for developers to create apps and run them on a blockchain without the involvement of third parties. The price of ethereum could surpass that of bitcoin in several years' time. some analysts believe. Ethereum is slightly faster, has a higher level of interest from developers and prom

ises more applications. Osborn highlights three other coins that he considers worth watching. Polkadot is building a network that can support several different blockchains and enable them to work together. Internet Computer is aiming to disrupt the internet space by building a decentralised web platform that runs on a blockchain. And then there's vechain, which helps companies to track their products safely and securely through each stage of the supply chain. The speed at which crypto

currencies are being created means that it's important you keep up to date with any new developments, Osborn advises. For Hardy, it's hard to say for sure which coins will win out. But those with the greatest level of user adoption and functionality are likely to last longer and should still be around after a market crash. "Utility", he says, "is the lifeblood of the crypto ecosystem. Without it there's only speculation."

ing new sources of return and a hedge against inflation and other worrisome economic trends. Throughout the Covid-19 pandemic, interest in cryptocurrencies spiked, driven higher by a combination of factors, including their potential as an rising popularity among amateur investors. Cryptocurrencies are poised to class, bringing new ways to conduct financial transactions and more transparent processes.

recent months.

Digital asset investment manage quarter of 2021 was a record-setting \$4.5bn (£3.19bn) in institutional inflows during the period

At the same time, major banks have ramped up their infrastructure to facilitate increased exposure to crypto assets. In May, Goldman Sachs revived its cryptocurrency trading desk to meet the growing demand from institutional clients, while other firms on both Wall Street and in the City of London responded to the popularity of the emergent asset class.

All this points towards the incremental, wider growth of cryptocurbuild cryptocurrency products.

LARGE MARKET CAP DESPITE HAVING NO essential to do your homework and UTILITY, BUT THIS ISN'T EXPECTED TO LAST Market capitalisation on 17 June 2021 (\$)

#### Commercial feature

## Crypto has always held the key to its future: transparency

As the cryptocurrency market matures, efforts are underway to supplement its transition into the mainstream of asset classes

yptocurrencies have been | role in cyber investigations and com and institutional investors increasingly turn to digital assets seek-

assets has long been seen by many as mainstream. There is now evidence momentum from traditional financial sure and presence within the sector in

traditional financial institutions can Produced by Chainalysis, a block-

growing in popularity as retail | pliance for government agencies, financial institutions and cryptocur rency businesses, the roadmap out ines how traditional financial play ers can embrace cryptocurrency products while adhering to global regulatory measures.

From training staff in the nuances of crypto assets to establishing cryptocurrency exchange-traded funds alternative investment to gold and the (ETFs) and building facilities to take custodial ownership of clients' assets, the pace of adoption within previ become a mainstream financial asset ously reluctant organisations has accelerated.

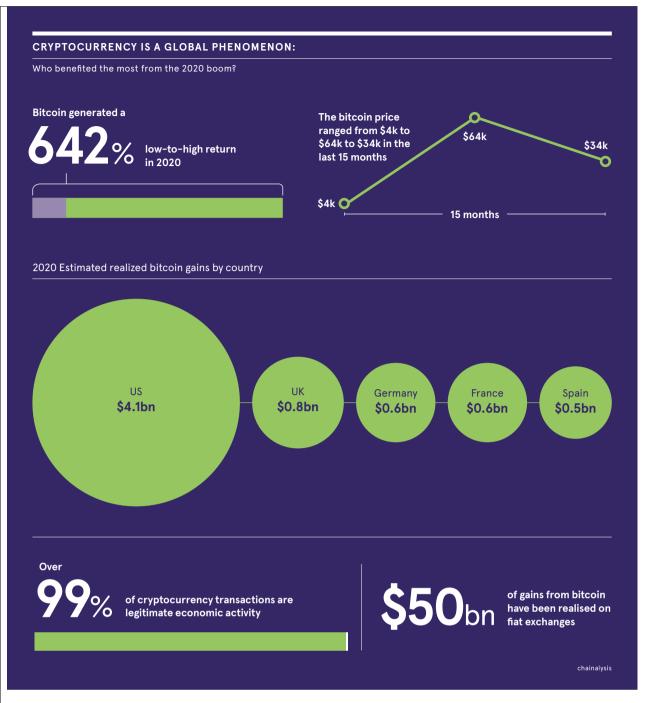
As traditional banking takes lessons from crypto assets, the inverse Institutional adoption of crypto is also true. With the greater incur sion of mainstream banking into the a necessary step on the path to going crypto market, this new asset class is adopting principles from the estab that this is beginning to take place, with | lished assets, with investors rightly expecting a similar degree of regu institutions ramping up their expo- latory accountability, transparency and reliability

Transparency and the advantages of blockchain technologies are key t CoinShares reported that the first | the surging growth of cryptocurren cies, and an imperative driver of it period for crypto investments, with | future. When applied to a system still rooted in legacy, the possibilities ar set to be bountiful.

"In the longer term, increasing numbers of assets are likely to be digitised," says Philip Gradwell, chie economist at Chainalysis

"Already, stablecoins such as USDC are digitising dollars, and crypto exchanges are tokenising stocks. legacy banks do not get familiar with blockchain technology then they will lose business as assets move to new platforms," he says.

It is no secret that investors are rencies according to The Crypto demanding access to cryptocurren Maturity Model, a framework for how cies. On the retail side, the FCA esti mates that 2.3 million adults hold crypto assets in the UK. Likewise institutionally, hedge fund managers chain data platform known for its expect to hold 7% of assets in crypto spectrum of industry support



within five years, research from fund administrator Intertrust suggests. But pairing the opportunities of the asset with forward-looking regulation is a hurdle not yet tackled by many governments.

Nevertheless, a post-Brexit regulatory overhaul, as recommended by the Kalifa review of the UK's fintech sector, is on the horizon, presentng legislators with an opportunity to cultivate an environment that supports the proper use and regulation of cryptocurrencies, and to turn the UK into a global hub for the industry. Such regulation that facilitates the transparent use of cryptocurrencies is set to be beneficial for investors and already the FCA is wielding its power to support crypto-holders

Unlocking opportunity is

and the returns available to

of the asset requires a broad

fundamental to cryptocurrencies

investors, but furthering the reach

to step up efforts to meet anti-money-laundering standards. Existing regulation will only go so far in ensuring the longevity of the asset, and if the asset is to further proliferate more needs to be done.

In India, a nation whose officia stance on crypto has been unclear for ome time, bitcoin's anticipated classification as an asset class comes in parallel with new regulations that seek to bolster the positive effect of crypto assets on the nation's economy

Recently, India's imposing regulaion on cryptocurrencies may have stifled the opportunities for its citi ens to capitalise on the asset.

Chainalysis research found that bitoin investment gains in India stood at \$241m (£173m) in 2020, significantly pelow the expected gain owing to the nation's GDP and population

"Right-sized regulatory oversight and supervision, that which ensures financial integrity without compromising the development and adoption of the ecosystem will encourage economic growth and technological advancement in tandem," said Jesse Spiro, chief of gov ernment affairs at Chainalysis.

Meanwhile, US financial authori ties are taking steps to have a more active role in market regulation. It is hoped that better federal oversight will reduce risk exposure to investors. Fundamentally, crypto assets are

with pressure placed on the industry | primed to embrace the growing need or accountability, both from a regulatory stance, as well as from the practical application of the main streaming of the asset class.

Blockchain technologies have already nstilled an unprecedented discourse of transparency within the financial sector, and that principle cannot be npeded on by regulation.

"Given the transparency crypto ssets provide, regulators should seek to apply additional regulation around activity, not the technology itself, says Spiro

Unlocking opportunity is fundamen tal to cryptocurrencies and the returns vailable to investors, but furthering the reach of the asset requires a broad ectrum of industry support.

From institutional dollars projecting ryptocurrencies into the mainstrea regulation cementing its longevity he transition of crypto is dependent n its fundamental tenets - transpar ncy and accountability - and back ing those ideas now will go some way n creating more opportunities down he road.

For more information please visit chainalysis.com

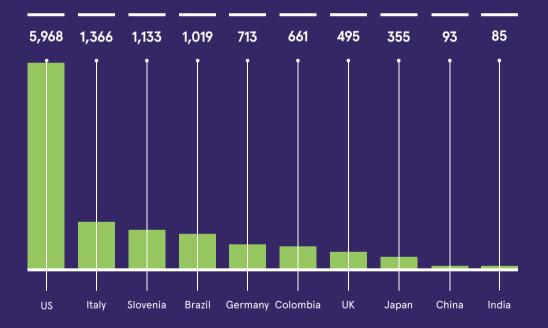


# PAYING WITH CRYPTO

While buying and selling cryptocurrencies is becoming increasingly popular, the opportunity to spend them remains limited. This is down to the technology required to make this possible and also the volatility in their value. But a growing number of companies across a range of industries are enabling customers to use crypto to purchase goods and services. And, while the vast majority of businesses are not looking to invest in cryptocurrencies, some are starting to try it out.

**BUSINESSES GLOBALLY ACCEPTING CRYPTOCURRENCIES** 

Number of businesses in selected countries that either have a cryptocurrency ATM or accept cryptocurrency as an in-store payment method





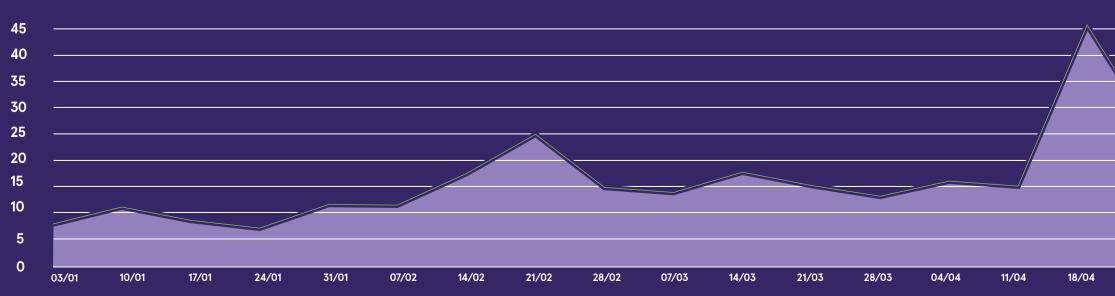
44 39

Statista, 2021



### **BITCOIN'S AVERAGE TRANSACTION FEE VARIES CONSIDERABLY**

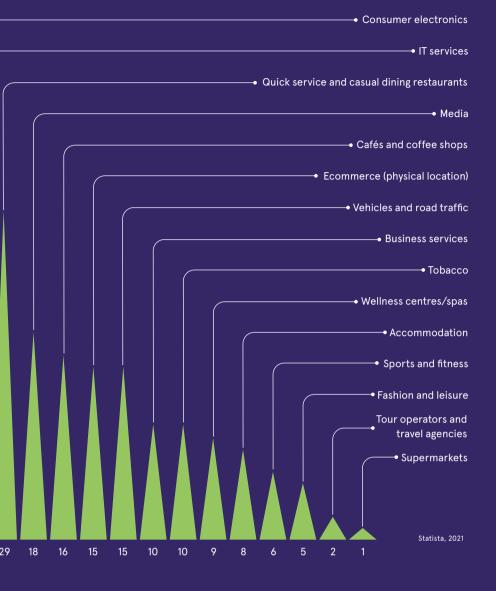
In \$ since the start of 2021



Statista, 2021

#### COMPANIES IN A RANGE OF INDUSTRIES ACCEPTING CRYPTOCURRENCIES

Number of businesses in the UK across selected industries that either have a cryptocurrency ATM or accept cryptocurrency as a payment method

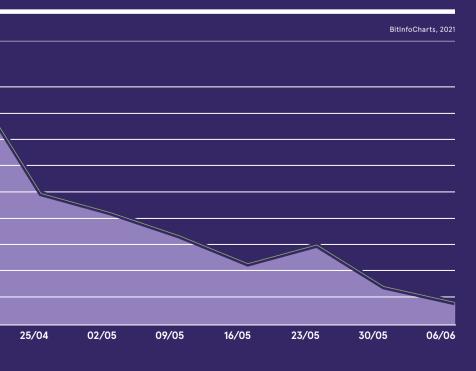


### of Britons have used cryptocurrencies as a payment method

 $\mathbf{O}$ 

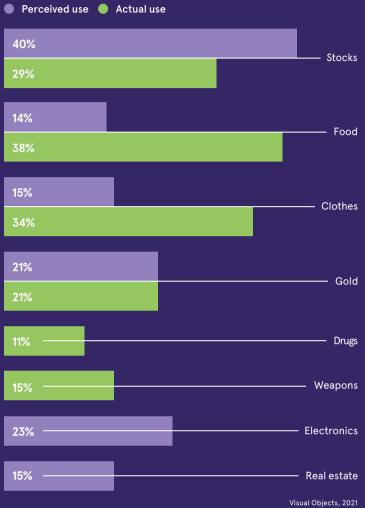


of Britons think that cryptocurrencies are the future of online financial transactions



### WHAT PEOPLE BELIEVE CRYPTOCURRENCY IS USED TO PAY FOR DIFFERS GREATLY FROM WHAT ITS OWNERS SAY THEY USE IT TO PAY FOR

Perception of likely use and actual payment use reported by people familiar with cryptocurrencies

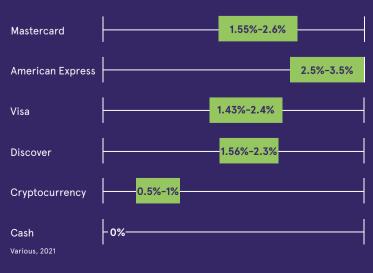


 $\mathbf{O}$ 0

of Britons who think that cryptocurrencies are the future of digital payments say they don't really understand how they work

### CRYPTOCURRENCIES OFFER LOWER TRANSACTION FEES THAN OTHER PAYMENT METHODS

Charges as a percentage of a transaction



### SUSTAINABILITY

# Will bitcoin's energy issues turn off investors?

The crypto's power-hungry nature might worry eco-conscious investors, but there are reasons to believe in a greener future

#### **Oliver Pickup**



It's a big problem for cryptocurrencies because most investors (77%) bly, the other three on the list of source code and developer tools to are aged under 45, according to a the five worst offenders - dogecoin, accelerate interoperable block study published earlier this year by bitcoin cash and litecoin – all use chain technology, agrees that proof Gemini Exchange. These consumers are more eco-conscious than those in older age groups. Indeed, Musk made his damning assessment at start of its previous peak in 2017, will shortly be switching to a proof the same time as a Pew Research Center study found that 37% of of ethereum – the second-largest reduce the coin's electricity con gen Zers and 33% of millennials in the US view climate change as their top personal concern

Unsurprisingly, some experts are worried that these investors could draining cryptocurrencies. Bitcoin in particular is a victim of its own success, at least when it comes to environmental concerns. This is down to its so-called proof-of-work protocol: a decentralised consensus mechanism that requires members of the network to expend effort solving an arbitrary mathematical puzzle to ensure that no one can hijack the system

It's a vicious correlation, because the higher bitcoin's market value in February it easily became the \$1tn, after only 12 years – the more energy it consume

began at the end of 2020, has is because "network participants

ryptocurrency has long had | with it increased energy consump tion. It's no coincidence that Beijing has cracked down on crypto: the vast majority of bitcoin is mined in China, driving up the demand for energy and making it harder for the country to achieve its target of net coins they hold, rather than the zero carbon emissions by 2060.

> Bitcoin would rank as the world's they have", according to Hoskinson 32nd-biggest nation by energy consumption. Between them, bitcoin and ethereum consume more than three-quarters of the electricity used by all cryptocurrencies. Notathe proof-of-work protocol.

> Bitcoin's energy consumption has But she adds that things are change more than quadrupled since the ing rapidly, noting that ethereun says Charles Hoskinson, co-founder cryptocurrency measured by market capitalisation.

"It's set to get worse, because energy inefficiency is built into its | in May to monitor and improve the DNA," he argues. As chief executive sour on bitcoin and other energy- of global blockchain engineering company IOHK, he's also the driving force behind third-generation cryptocurrency cardano

According to Hoskinson, bitcoin's carbon footprint will "become exponentially worse because the more *in the age of bitcoin, blockchain* its price rises, the more competition there is for the currency" and so the more energy it consumes.

Other, greener consensus mecha nisms are gaining in popularity. These include the so-called proofof-stake blockchains that underpin cryptocurrencies such as cardano, not require mining.

Proof of stake uses considerably The latest bitcoin bull run, which less energy than proof of work. This sparked a surge in mining, bringing | are chosen to validate 'blocks' of | a greener future

transactions based on how many computational processing power who estimates that cardano is about "4 million times" more energy effi cient than bitcoin.

Monica Long, general manager of RippleX, which provides open of work is "very energy intensive" of-stake protocol that is expected to sumption by 99%.

She welcomes both the Bitcoin Mining Council, unveiled by Musk industry's sustainability, and the Crypto Climate Accord, which is a private-sector collaboration that's focused on making all blockchains carbon-neutral by 2030.

Rhian Lewis is the author of The Cryptocurrency Revolution: finance and tokens. She says that it's vital to



quickest asset in history to reach polkadot and algorand, which do Ultimately, digital money offers many great advantages and it's also a step towards

keep things in perspective, noting: Modern life is by its very nature | MORE THAN A THIRD OF energy intensive. In the US alone, the energy consumed by inactive CRYPTOCURRENCIES household devices left on standby **HAVE A NEGATIVE IMPACT** every year would power the entire **ON THE ENVIRONMENT** bitcoin network for 1.9 years."

Ш

When people compare the energy that's consumed by a transaction on the Visa network, for instance, with a transaction on the bitcoin network, it is a "false equivalent". Lewis says. "A transaction on Visa needs the entire world banking system to be in place before it can be processed, with all the physical infrastructure of the banks, people travelling between them, physical money being minted and transported and so on. In contrast, bitcoin does all that inherently."

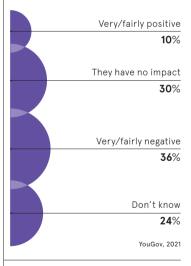
Pavel Matveev, founder and chief executive of Wirex, a crypto payment card, believes bitcoin's energy consumption is the exception in the industry. "Given that there are more than 4,000 cryptocurrencies in existence, there are plenty of environ mentally friendly options available and many more on the way," he says. By way of example, Matveev cites

nano, a cryptocurrency that doesn't rely on mining, printing or mintthe shortcomings in today's financial systems, limiting fees while providing fast transaction speeds.

Given the introduction of less energy-intensive coins and a move towards using renewable energy medium term, he suggests.

BRITONS BELIEVE THAT

Percentage of respondents



"Even the less eco-friendly cryptos can still be better than traditional currency for the environment, Matveev argues. "Imagine: goodby ing. Nano aims to address some of | plastic cards, paper receipts and pennies. Ultimately, digital money offers many great advantages and it's also a step towards a greener future overall.

Perhaps Musk's energy truth bomb was what the industry needfor mining, cryptocurrencies could ed to hear to clean up its act – even well offer a more environmentally if, in the long term, the appeal of friendly payment system in the the original crypto is overtaken by more eco-conscious alternatives.

The Centrifuge platform cuts out banks for SME financing. Co-founder Martin Quensel explains how it works

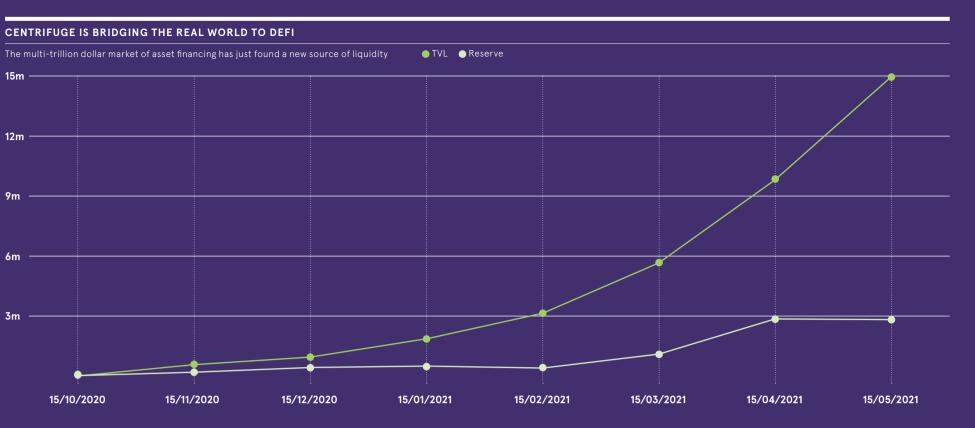
## What is Centrifuge?

We are a platform for SME financing. The platform allows investors to con nect with organisations in need of capital, cutting out unnecessary intermediaries, such as banks. The model We call these pool operators "Asset is radically faster, more cost effective. and more transparent than traditional finance. Investors get a higher rate of return on their capital. Organisations | estate bridging loan company needs can borrow at a lower rate. The losers | to raise funds. So it becomes an Asse are the TradFi intermediaries, who are Originator on Centrifuge, and creates a eliminated. Centrifuge's investment application, called Tinlake, is already details, such as the loan time period live, with more than \$22m invested.

#### Who are the investors?

APR to investors

#### Is there any currency risk?



# How DeFi is changing borrowing and investing

The investors on Tinlake are typically individuals and institutions who hold cryptocurrencies, and want a stable return on their capital. Our decentralised application, called Tinlake, lists pools open for investment. Each pool offers fixed rates of return. For exam-

None. Cryptocurrencies are typically volatile, so we avoid that entirely by operating only with DAI or other USD-

an interesting non-volatile investment opportunity for crypto holders.

#### How do the financing pools work?

Originators", as they are the ones har dling the financing, in other words, orig inating the assets. For example, a rea pool. It publishes the APR offered, plu Investors can browse pools, and selec one to invest in. Naturally, their invest nent is in the whole pool, rather that lending directly to each individual end ower, as this spreads risk. The big difference is that asset manageme s done by Tinlake on the blockchair Setting financing terms for an asse payments, repayments, and pool pe formance is automatically performed ple, the FactorChain pool offers an 11% and calculated. The Asset Originator cannot change or tweak it. All investors have full transparency for the entire pool but also how every single asset performs.

Why is DeFi important to the model? pegged stablecoins like USDC. All returns | Our DeFi approach brings transpa come from interest paid on loans issued ency. All pools make asset-backed in US dollars, and paid as dividends loans. This means borrowers put up in stablecoin. It connects traditional collateral in case they can't pay the financing with crypto/DeFi and creates | Ioan back. A mainstream concept. But | than \$22m invested

with Centrifuge the collateral is digitised and published online. The Asset Originator locks a Non-Fungible Token or NFT, representing a Real-World **Can investors withdraw capital** Asset into a set of smart contracts | at short notice? (computer programs that execute Usually yes, it depends on the rules of commands) for collateral. For example, if a borrower is using a future income stream, such as invoices, the asset is turned into an NFT and published on our platform. Investors can research the strength of a pool by examining the Absolutely. Pools offer senior and NFT asset collateral, if they so wish.

#### How strong are legal protections?

We've retained the best of TradFi practices in this regard. Each pool is a Special Purpose Vehicle legal entity, ncorporated with full regulatory compliance. Asset Originators run their pools with traditional due diligence. or example, the NewSilver Series 2 pool is run by New Silver LLC, a



Centrifuge's investment application, called Tinlake, is already live, with more

company run by a team with decades of experience in real estate management It finances fix-and-flip mortgages in a very traditional manner, all backed by property collateral.

#### Who can raise capital on Tinlake?

t is a permissionless platform, so anyone can create a pool to raise capi tal. We have some pretty innovative and diverse Asset Originators. Paperchain is in the music industry. Musicians often wait months for payouts from streaming platforms such as Spotify. They want cash faster. So Paperchain gives the musician a cash advance. Paperchain needs capital to function so it lists pools on Centrifuge. Right now investors can back Paperchain Series 3 pool, which pays 7% APR.

the pool. Some allow near instant capital withdrawal. Others require a little more notice

#### Can investors manage risk within a pool

iunior tranches. The senior tranche oavs lower but stable returns, as it s first-loss protected by the junior tranche. The junior tranche offers a higher yield in return for taking the default first. We call the senior tranche DROP, and the junior tranche TIN. The TIN holders take the risk of default first, but receive typically higher returns Every pool publishes its TIN and DROF rules, so investors can choose the right type of structure

How often are payouts made? At the end of each epoch, usually ever 24 hours.

How is the Centrifuge platform built? While Centrifuge Chain is part of the Polkadot universe, Tinlake managing

the pools is built to access the liquid ity on Ethereum. Our NFT tokens are ERC20 on the Ethereum blockchain by some distance the most popula

and proven method. Centrifuge is also tegrated with MakerDAO, the biggest DeFi protocol in the industry, open ing up a larger universe of liquidity to our users. It's worth stating that, in the crypto industry, Centrifuge is seen as a pioneer not just of finance and lending DeFi, but also for advancing the role NFTs play in the economy

#### Who is behind Centrifuge?

co-founded Centrifuge in 2017 with he CEO Lucas Vogelsang. We each nave a long history of successful entrereneurship. Our last company was aulia, which created software in the upply chain finance industry with clients such as AstraZeneca, the NHS, and Bay. Last year Taulia provided \$30bn of funding to a network of 2 million suppliers in 160 countries. A lot of the concepts used at Centrifuge stem from our knowledge of supply chain finance

#### How can investors and Asset Originators get involved?

or investors it's as easy as brows ing the pools on Tinlake, and selecting one to invest in. The user interface is simple. Just decide if vou'd like a varible return with higher risk with TIN, or a fixed return for lower risk with DROP. or Asset Originators, simply contact the team at Centrifuge for help with nboarding. DeFi is changing finance, ringing liquidity to asset holders, and ome to investors. I'd urge anyone nterested in maximising their financial rformance to get involved.

To view investment opportunities visi tinlake.centrifuge.io

To register as an Asset Originator contact: bizdev@centrifuge.io





#### FRAUD

## As cryptocurrencies surge, so do the scams

The number of investment frauds involving digital assets such as bitcoin has rocketed in recent months. But authorities are striking back with some success

#### **Alex Wright**

sements, cryptocurrencies lent period of 2019-20. have soared in popularity among investors over the past year. Unfortunately, the fraudsters have noticed this trend

The number of crypto scams in the UK has more than doubled over the past year. A record 720 cases were identified in January alone, according to Action Fraud, a British reporting centre for cybercrime. This figure is likely to be the tip

of a global iceberg. In the US, for instance, the Federal Trade Com- duct Authority (FCA) has warned they're a small investor or a giant mission reports that the number of bogus investment opportunities that they should be "prepared to grew 12 times over between October lose all their money". Other finance a global business conducted by 2020 and May 2021, causing almost industry regulators around the perpetrators ranging from state-1,000% more in losses than the world have issued similar caveats. | authorised hackers to international | to be true, it probably is

uelled by celebrity endor- | total reported during the equiva- |

Worse still, a report by the Bank for International Settlements in Tate, partner at international law 2018 estimated that a quarter of firm RPC and head of its team all initial coin offerings (ICOs) dealing with white-collar crime could be fraudulent. It based this finding on information gleaned FCA under the Freedom of Inform from newspapers and white papers ation Act 2000. This revealed that - and on the percentage of cryptocurrency websites that had been | cryptocurrency ventures had risen discontinued after their ICOs.

The problem has become so prevalent that the UK's Financial Coninvestors buying cryptocurrencies bank," Tate says.

"There has been an exponential growth in cryptocurrency-related fraud in recent years," says Sam It recently requested data from the investigations into unauthorised from zero in 2016-17 to 52 in 2019-20 "It's the type of risk that everyone should be worried about, whether

Cryptocurrency fraud has become

criminal gangs, he adds. "National boundaries aren't respected when it comes to cryptocurrency fraud. This makes it even more difficult to track nd tackle the problem."

The classic crypto fraud occurs where investors are targeted by criminals offering the lure of a getrich-quick scheme that is in reality a Ponzi scam. Using fake websites, mobile apps, emails and social media adverts, they trick investors into handing over their money with the promise of eve-watering returns. which never transpire.

There are several variations on this common scam. They include fraudsters to exploit." fake social media accounts, where in fraudulent investment schemes. For example, the accounts of highthose of Joe Biden, Barack Obama promise investors they can double currency to a wallet, from which it is then stolen

Then there are exchange hacks where criminals exploit weaknesses

The rule of thumb is: if a scheme sounds too good

cryptocurrency scams in the Uk January 2021 alone, equivalen to 23 a day

on exchange platforms to steal funds and rug pulls, in which crypto developers list a token, encourage parties to invest and then run off with the tokens and exchange these for a more stable currency. Other popular tactics employed by fraudsters include setting up an exchange to take investors' money, which then can't be withdrawn.

Some even use phishing to take ver an investor's wallet before stealing their data and credentials. This could be done through a Sim-swap attack, "where fraudsters trick the customer support staff of cellphone operators into giving them control someone else's phone number" says Mriganka Pattnaik, CEO and co-founder of blockchain transac tion company Merkle Science.

Alternatively, scammers might use fake messages that appear to ome from trusted businesses. "The essages will convince users to visit a link that they control and enter their log-in credentials, which are then stolen," Pattnaik says. In all of these scams, the investo

will often never see their money again. And, by the time they realise what has happened, the fraudsters are long gone.

"Like any new asset class with the potential for high returns, there is the risk that fraudsters will try to take advantage of it," says Tony Lewis, a partner in the dispute reso lution team at law firm Fieldfisher. "At the same time, cryptocurrency is unregulated, so it's easier than traditional bank accounts and other authorised investment schemes for

The problem has been exacerbated criminals impersonate celebrities to by the rise in older investors trying encourage investors to participate to obtain better returns on their capital while interest rates on savings are so low. The number of over profile Twitter users – including 55s buying cryptocurrency tripled between 2019 and 2020, according and Elon Musk – were recently to the FCA. The elderly and vulnerahacked, offering giveaways aimed at ble are easy prey for old-fashioned duping followers into investing in a telephone scams, too. In total, fake bitcoin scheme. Other examples | £113m was lost to cold callers and include two-for-one scams, which other criminals promoting fraudulent crypto investments last year their money by sending their crypto- alone, according to data seen by the Investors' Chronicle.

Even more experienced investors have been stung. Apple co-founder Steve Wozniak lost the equivalent of \$70,000 (£50,000) when fraudsters bought seven bitcoins from him using a stolen credit card, which they later cancelled.

Because criminals often operate undetected, law enforcement agencies and financial watchdogs have either been largely powerless to prevent many of these scams or been overwhelmed by the sheer volume of cases. And because courts were operating well below capacity during

## of cases waiting to be processed.

es, notably when the Federal Trade Commission obtained a settlement against a scheme named the Bitcoin Funding Team, recouping almost \$500,000 of investors' money. The scheme's promoters had falsely promised that participants could earn large sums by paying cryptocurrency to enrol in a chain referral scheme, but never delivered. Tate believes that the authorities

campaign that warns of the risks more joined-up approach among regulators to tackling the problem is also required, he adds. "They need to target the kind of

people who are likely to be interested in these types of schemes." Tate says. "The UK's National Crime about this subject on social media. But, if there were an internationally

66 National boundaries aren't respected when it comes to cryptocurrency fraud. This makes it even more difficult to track and tackle the problem

THE NUMBER AND COST OF SCAMS INVOLVING CRYPTO INVESTMENTS BOTH INCREASED SIGNIFICANTLY LAST YEAR 2019 2020

3,554

£76.6m

the pandemic, there is a huge backlog But there have been some success

need to come up with an advertising

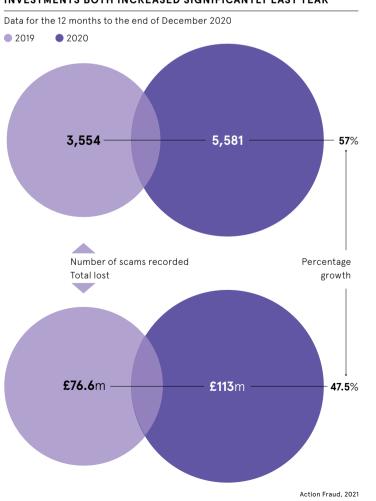
Agency does a lot of advertising

recognised kitemark of approval for some of these currencies, it would go long way to tackling the problem." Investors can find it difficult to distinguish reputable cryptocurrency providers and schemes from bogus ones, especially given the perception that cryptocurrencies are largely safe, with retailers such as Starbucks and Whole Foods accept ing bitcoin payments.

This means that investors must do their due diligence on the product and company they are investing with and where their money will be kept, relying on trusted news sourassociated with cryptocurrencies. A ces for their information and using only recognised exchanges that give them full access to their funds.

Investors can also use software such as Chainalysis KYT to analyse and verify transactions, identifying illicit activity, suspicious wallets or connections to the dark web, savs Jacob Sever, co-founder and chief procurement officer of Sumsub, a verification specialist. A high risk score highlights unreliable sources that shouldn't be accepted, he adds. Big companies are doing their bit to counter the scammers. Facebook and Google have both banned bitcoin adverts on their websites, for instance, while NatWest now directs its mobile app users to a warning screen advising them to beware of cryptocurrency scams after it saw a record number between January and March 2021.

Nonetheless, there's still a long way to go in the fight against cryptocurrency fraud. "The key message s that investors should do their homework thoroughly beforehand. Pattnaik says. "The rule of thumb is: if a scheme sounds too good to be true, it probably is." ●



## How cryptocurrencies could become a reliable everyday payment method

The price volatility of cryptocurrencies such as bitcoin might make them seem unsuitable for everyday use but newer stablecoins show how blockchain technology could be used for payments in the future

per money is going away. Tesla founder Elon Musk i perhaps more prescient than even his most ardent followers believe He made the comment in a 2019 podcast, a year before Covid made us all go contactless

Yet Musk was not talking about the move from cash to card but about cryptocurrencies

"Crypto is a far better way to transfe value than a piece of paper," he said.

But Musk's vision of this future crypto-world is unlikely to see us all ditch banknotes for bitcoin. In the past year the value of one bitcoin has fluctuated between US\$9,000 and US\$62,000. Not great for making traditional payments. This is where stablecoin comes in.

A stablecoin is a digital token that is transacted over blockchain in the same way as cryptocurrencies but, crucially backed by a so-called fiat currency, such as the pound Sterling or the US dollar. Notably, the stablecoin model does not require the mining of each token, an energy-intensive process that has seen Musk temper his support for bitcoin.

Tether tokens (USDt), the market-leading stablecoin, is pegged to the US dollar, for example.

This provides a robust method of exchanging value while using a familiar accounting unit.

Much of the enthusiasm for cryptocurrencies - a market worth more than \$1.18tn - has focused on the trading opportunity. That same volatility that makes bitcoin less useful for everyday transactions is exactly the sort of volatility that can make you huge gains. Or indeed huge losses

It is this volatility which has led financia regulators to warn that cryptocurrencies are a bubble waiting to burst

But perhaps the most exciting use of cryptocurrencies is yet to be realised. The potential for stablecoin to become



Perhaps the most exciting use of cryptocurrencies is yet to be realised



payment method for everyday transactions has many vested interests in the cosy and well remunerated world of banks and other financial institutions alarmed.

Take the credit card industry. In 2019, Visa generated profits of US\$12.1bn on evenues of US\$23.0bn while Mastercard nade profits of US\$9.7bn on US\$16.9bn The business of issuing plastic and enabling payments globally is lucrative They earn from cardholders, through annual fees, interest and other stealthie charges, but also from merchants. such s retail shops and websites, who ar charged hefty interchange fees.

They also make money from selling cu comer data. With increasing concerns around data privacy, many welcome the onset of Web 3.0, where data is shared dependent of third parties.

In its 2020 annual report, Mastercard said, "Technological changes, including. cryptocurrency and blockchain techno ogy...could result in new technologies that may be superior to, or render obsolete, the technologies we currently use in our programs and services. Moreover, these changes could result in new and innovative payment methods and products that could place us at a competitive disadvantage and that could reduce the use of our products.'

Stablecoins such as tether tokens have the potential to be low-cost forms of payment because the use of blockchair neans financial institutions and their eve-watering fees are kept out of the

loop. It is little wonder that credit car companies and other financial institu ons recognise the existential threat that ryptocurrencies pose.

Developments in cryptocurrencies nean that feeless or very ultralow fee ransactions are being enabled, open ing up their wider use. Tether tokens, for ample, are already increasingly being sed for micropayments.

Researchers at Germany's Bielefeld University believe subscription services, ke Spotify and Netflix, may embrace the use of such crypto-enabled micropay nents to offer access to smaller chunks of content

It is the young who will usher in thi ew world

One recent study of young people in Russia found that more than a quarter elieved that, within five years, most stores would accept payments in bit oin and that, within ten years, crypto urrencies would be issued by the state nd replace cash. In the UK, some 43.6% f millennial investors in a survey for law rm Michelmores said that cryptocur ency was a valid alternative to tradi onal banking.

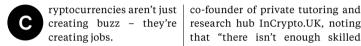
If young people have anything to do with , Elon Musk's prediction about paper noney will be proven right and soor



## TALENT The great cryptocurrency jobs boom

Whether they're provided by tiny startups or giant multinationals, the opportunities for crypto talent have never been so good

#### **Alison Coleman**



atively new, but crypto is one of the What's more, it's a huge draw for ised financial systems can change the world. For them, the evolving sector offers job opportunities on a scale not seen since the emergence of the internet in the mid-1990s.

The surge in demand for crypto talent was fuelled by the growing interest of investment heavyweights such as BlackRock and Goldman Sachs, which in turn sparked new interest from companies in tech- he says. nology and finance. There is a new recognition that blockchain – the technology that underpins cryptocurrencies – is one of the most for programmers and software significant hi-tech developments of this generation.

Banks and other financial institu- such as Java, Python and C/C++. tions are scrambling to open crypto departments to meet their clients'

creating buzz – they're research hub InCrypto.UK, noting that "there isn't enough skilled The technology may still be rel- crypto talent to go around. For those who've made the move to world's fastest-growing industries. understand blockchain and realise that this space will grow at an those who believe that decentral- unprecedented pace, it's very hard to not want to be involved." Mason says that his company has

seen a significant increase in the number of people from the traditional financial world seeking private tuition on cryptocurrencies.

"Many of them are actually 'crypto sceptics' who feel that they have no choice but to get educated on the subject for fear of being left behind,"

The cryptocurrency boom has skills. Most job openings have been developers, with many adverts calling for 'hard skills' in languages

non-techies. With the rapid emerdemands, reports Chris Mason, gence of decentralised finance, a Specialising in crypto

EMPLOYMENT OPPORTUNITIES IN CRYPTOCURRENCY ARE STILL GROWING, BUT THE GROWTH HAS BEEN SLOWING



created jobs that span a variety of The industry is so new that a hunger for knowledge and an open mind tend to be common traits, But there are opportunities for over and above a long CV

legal or regulatory compliance. for crypto talent. Companies are also seeking help in its own media operation.

nantly investment funds and banks) are the most prolific recruiters. But virtually any organisation looking | crypto wealth platform Dacxi – her

large number of jobs have opened | to expand or build new projects in up for those with a background in the crypto space is entering a war

Although banking and fintech are areas such as marketing: US crypto the conventional industries from exchange Coinbase, for instance, is which people start a crypto career, recruiting editorial talent to build many have entered the business after developing a genuine passion Financial institutions (predomi- for the sector, perhaps as a hobby. Katharine Wooller is managing

Cambridge Centre for Alternative Finance, 2020

director in the UK and Ireland for

banking or IT background. hunger for knowledge and an open regulators will require expertise mind tend to be common traits, in everything from relationship over and above a long CV specialising in crypto," she says.

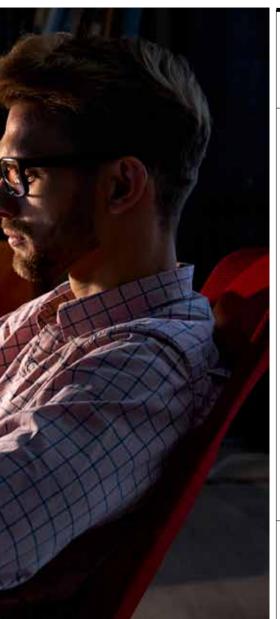
ine wealth builder.

challenges are the rate of growth and the speed of change.

are in the early stages of adoption of behavioural psychology; and a pasthe technology globally. Much of my day is about educating retail investors and traditional financial businesses. You can expect, therefore, to spend a lot of time in educator mode," she says. Although the cryptocurrency market and blockchain technology are intrinsically linked, the latter is being used in a much broader range of applications. This opens up career options for candidates from an increasingly diverse range **you have to want to** of backgrounds.

Tamara Haasen made an unconventional journey from political Don't just accept science and law - via studies in corporate governance and emotional | the status quo





Governance, law and emotional

"The creation of self-governing

management to behavioural psy-

The future dream blockchain CV

is likely to belong to someone with

skills in collaboration and people

management; an understanding of

sion for democratising financial

in the crypto field,

push boundaries.

chology," she adds.

ACCORDING TO CRYPTO JOBS LIST. THE WEB'S **BIGGEST LISTING SITE** FOR CRYPTOCURRENCY AND BLOCKCHAIN JOBS, AS OF JUNE 2021:



was the average annual sala listed for all blockchain jobs

rypto Jobs List, 202

and social systems. This is what Haasen finds most rewarding about her job: helping blockchain to deliver on its original promise of a people-powered financial and social system that can provide economic identities to the world's 1.7 billion unbanked people.

Ivan Soto-Wright began his career in portfolio construction before founding MoonPay, a provider of cryptocurrency payment solutions. He was driven to do so by his fascination with the evolving sector and its potential to democratise the financial system.

Established in 2018, his team comprises people with a wide range of backgrounds, including in industries such as fintech, ecommerce financial systems that operate ethi- and software as a service: tech startups: and giants such as Google and Amazon.

> "To be successful in the crypto field, you have to want to push the boundaries," Soto-Wright says. "Don't just accept the status quo; imagine what could be and then make the imagined possible."

> Cryptocurrency values remain highly volatile: the recent rollercoaster rides of bitcoin and dogecoin serve as cases in point. For some finance professionals, the reputational risk of moving into the world of digital assets is high, yet many are still willing to take the risk.

> "The cryptocurrency space has always been volatile, but that is only one facet of it," says Soto-Wright, noting the significant opportunities it offers to democratise finance, provide services to the unbanked and improve financial systems in terms of cost, speed and security.

"These are the factors that are driving so many people to consider a career in this sector," he says. "It really is the future of finance."

Want the power of print media combined with best in class lead generation?

Raconteur's new campaign product suite gives marketers the best of both worlds.

Email enquiries@raconteur.net to plan your campaign now.

~ ~ ~ ~ ~ ~ ~ ~

# RACONTEUR

third blockchain business. Having | intelligence - to become chief of first purchased cryptocurrency staff at blockchain engineering three years ago, she created the company IOHK. This highlights Women Who Crypto community, a the growing intersection between movement that encourages women technology and people. to embrace crypto assets as a genuintelligence are becoming core

When she's recruiting, Wooller skills in a sector that relies on parsavs she will prioritise candidates ticipation and consensus among with a genuine interest in crypto, thousands of people across the who've been learning and investing globe, just to have a functioning in their spare time as a side hustle. product. Haasen savs. over applicants with a traditional

"The industry is so new that a cally without the need for external For Wooller, the industry's biggest

"As with all crypto businesses, we

To be successful



# **Real-World DeFi**

Tap into the billions of liquidity DeFi offers through Centrifuge

tinlake.centrifuge.io