# Bitcoin não é dinheiro!

Bitcoin ain't money!

# **Economia alternativa**

Iniciativas de economia alternativa



## **Brasil: Banco Muiraquitã**





#### **Brasil: Banco Palmas**



## **Brasil: Banco Palmas**



## **Blockchains**

Experiências de economia alternativa com criptomoedas



#### Islândia: AuroraCoin

Uma Aurora Coin pra cada cidadão e cidadã



#### **Estados Unidos: Mazacoin**

Soberania de população indígena



#### **Estados Unidos: Mazacoin**

Empoderamento de toda e qualquer tribo do mundo



#### **Rússia: Kolion**

Neto do Bakunin



#### Rússia: Kolion - Lançamento

The kolion was fixed at 2 kolions=10 Eggs, 5 kolions=bucket full of potatoes, 60 kolions=1 Goose, and so on.





## Rússia: Kolion - Ilegalidade (2015)

Governo russo manda parar a produção

Mikhail manda banir o governo russo





## Rússia: Kolion - Blockchain (2017)

ICO reúne 500k USD



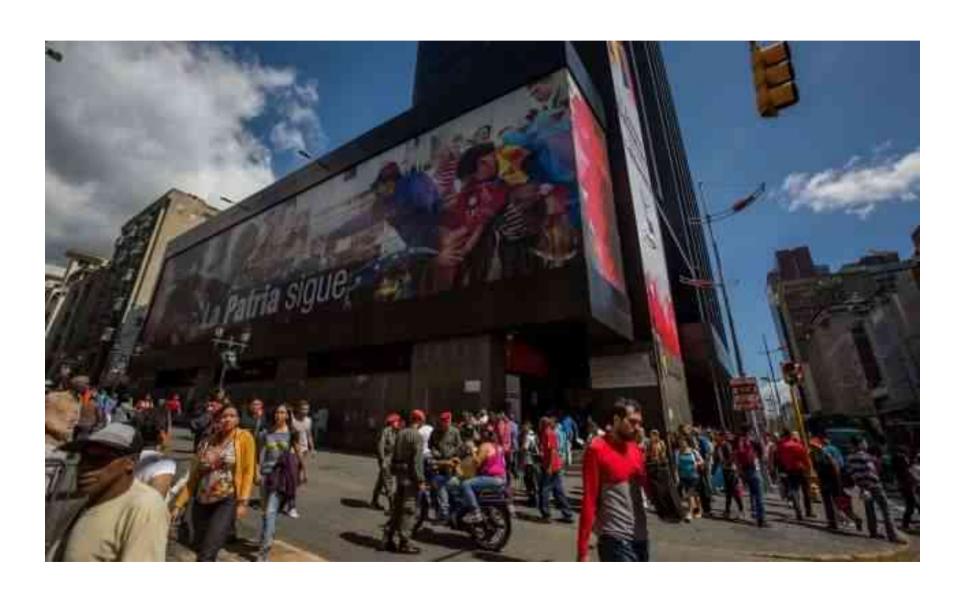
# Se hay gobierno, soy contra

O uso de bitcoin em países em crise econômica e social



#### Venezuela

Keep calm a la mierda



#### Venezuela: surbitcoin.com

Al carajo bolivar, a fistful of trumps



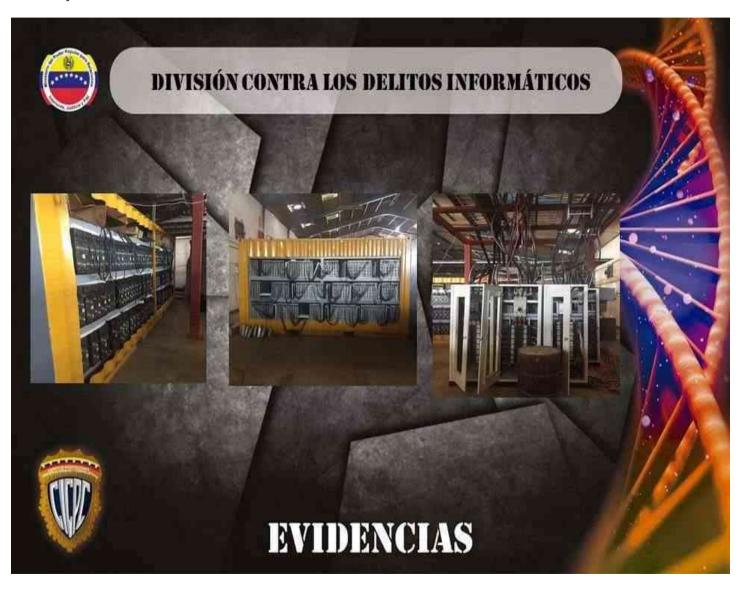
## Venezuela: Energia "grátis"

A culpa é das mineradoras



## Venezuela: Mineração

A importância da distribuição



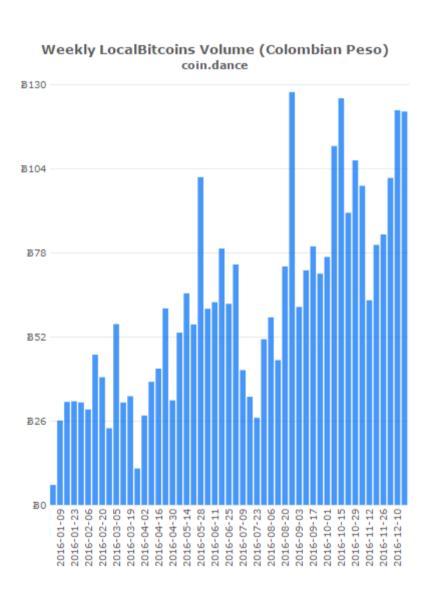
#### Venezuela: Perseguição

Na venezuela, o jato te lava



#### Venezuela: Peso Colombiano

Evasão de divisas e "livre comércio"



## Nigéria

Pioneirismo Africano



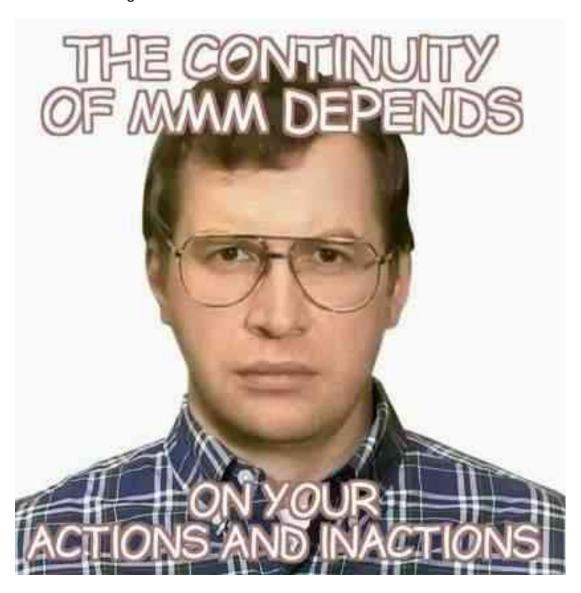
## Nigéria: Resistência governamental

Propaganda terrorista



## Nigéria: Oportunismo

Sempre tem um branco querendo levar vantagem



## Suíça: Crypto Valley



## Suíça: "Regulação" neo liberal

Joga tudo pra privada



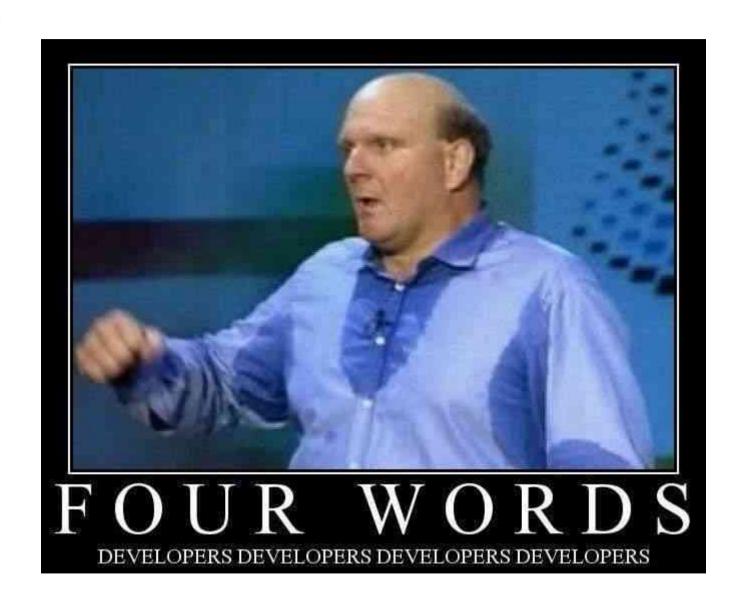
## Suíça: Bitcoin como dinheiro

Predeu playboy, dá o celular. E a senha da carteira.



#### Resto do mundo

Mais do mesmo



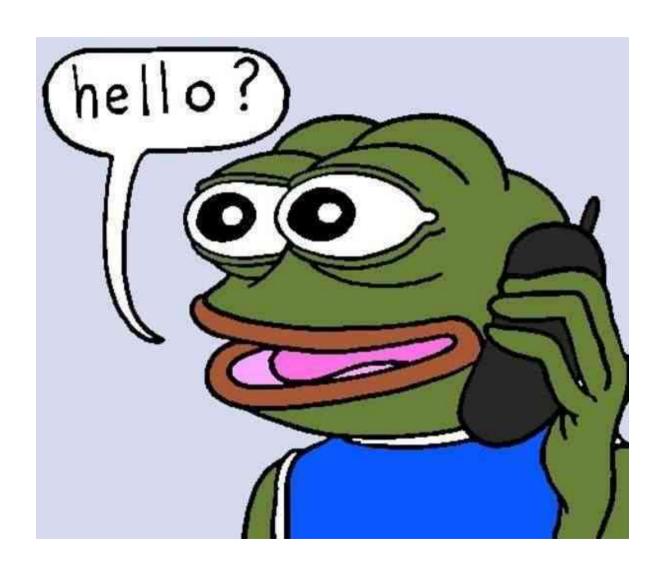
#### **Brasil: Faz o que tu queres**

Lei é lei, obedece quem quer



# Comunicação

Iniciativas de (re)descentralização e (re)distribuição da internet



#### **Baobaxia**

Muito antes da blockchain

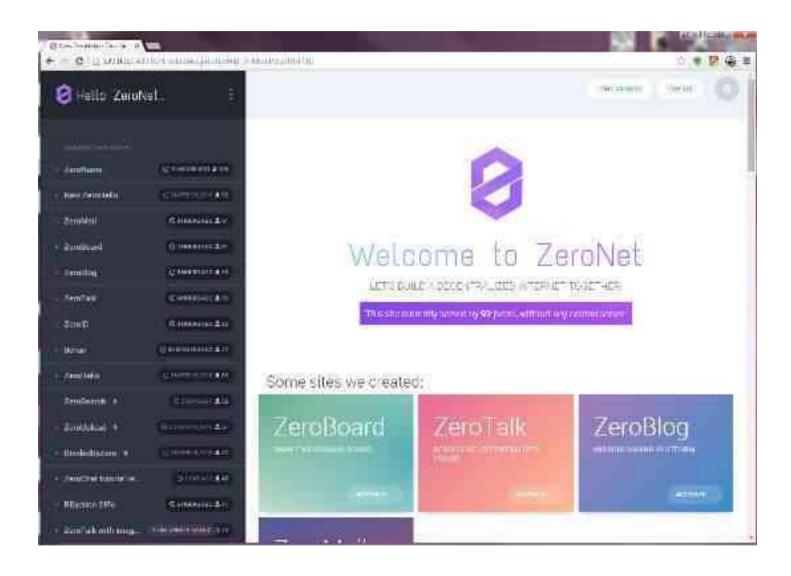




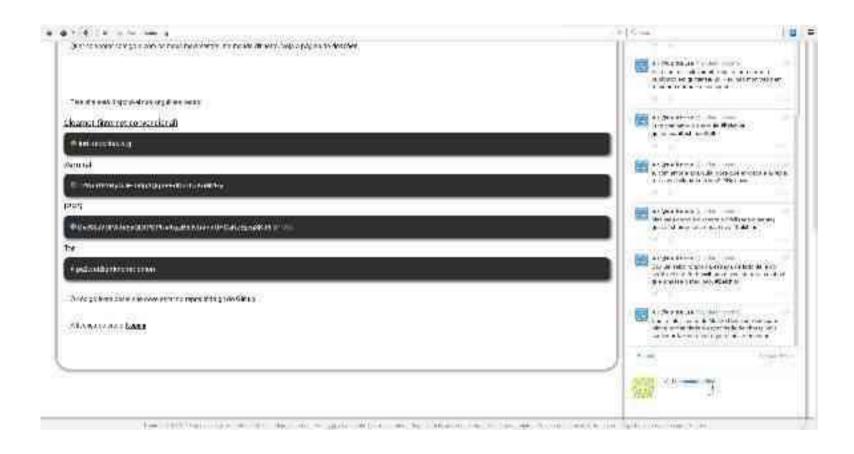
## Projetos usando a blockchain da Bitcoin



#### Zeronet



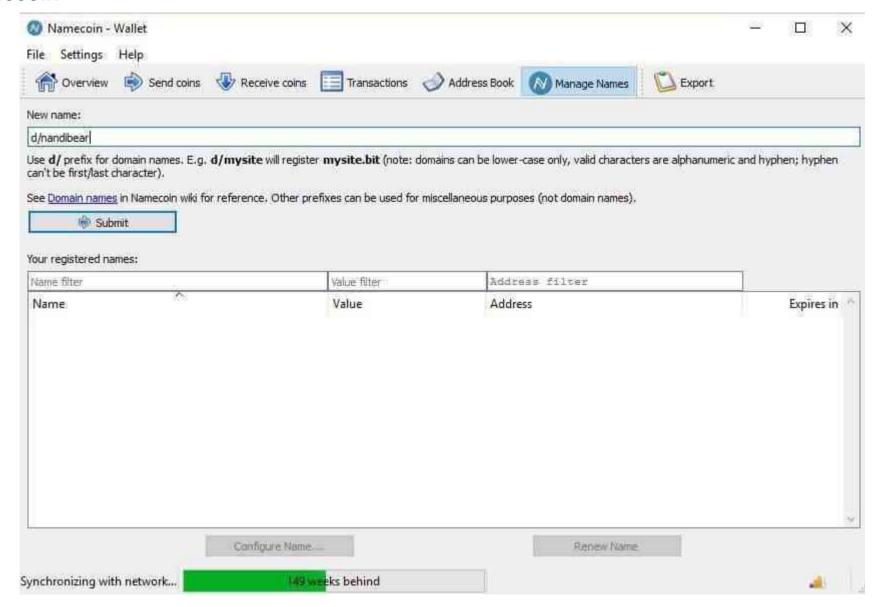
#### Zeronet



## **Projetos com blockchain independente**



#### Namecoin

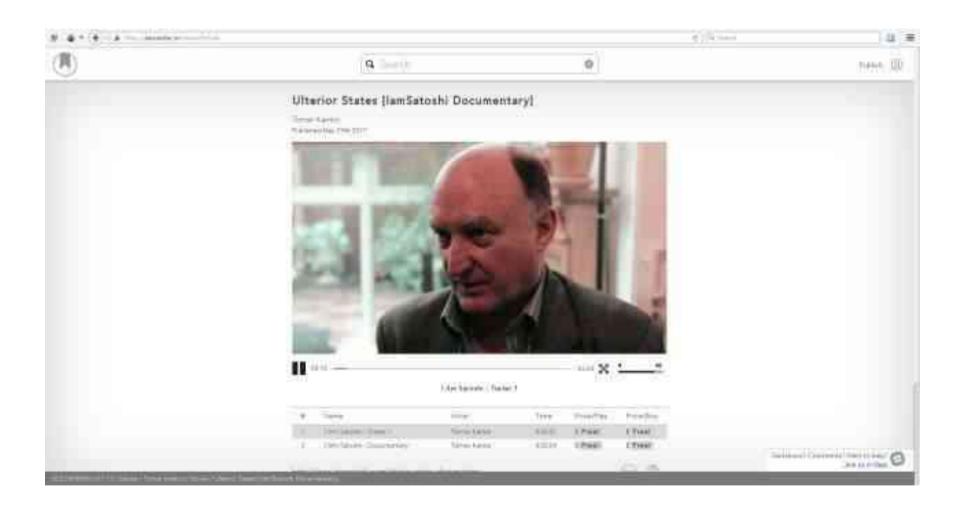


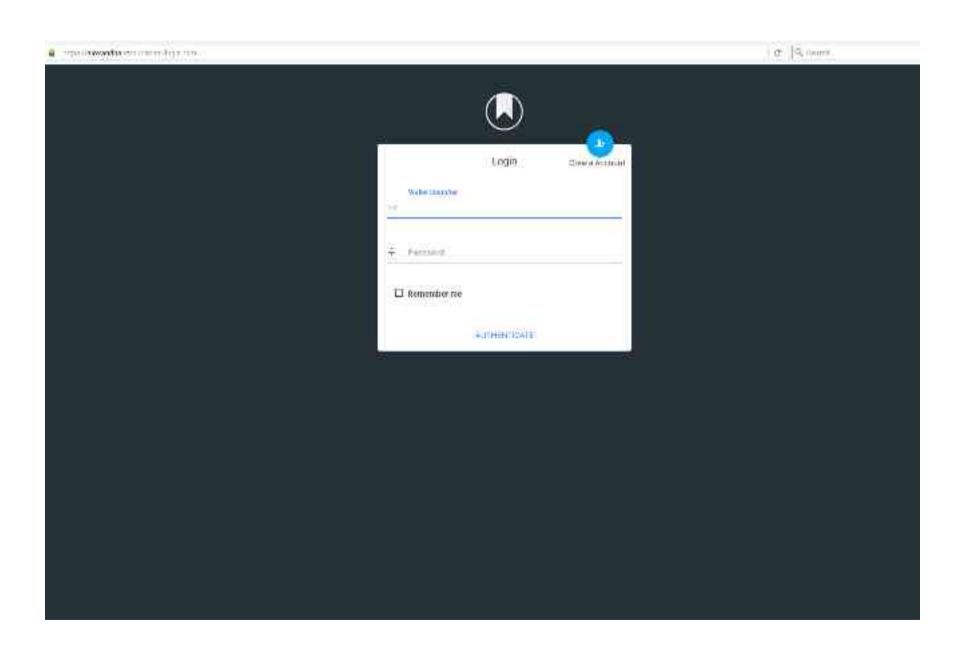
### **Florincoin**

Biblioteca descentralizada de Alexandria



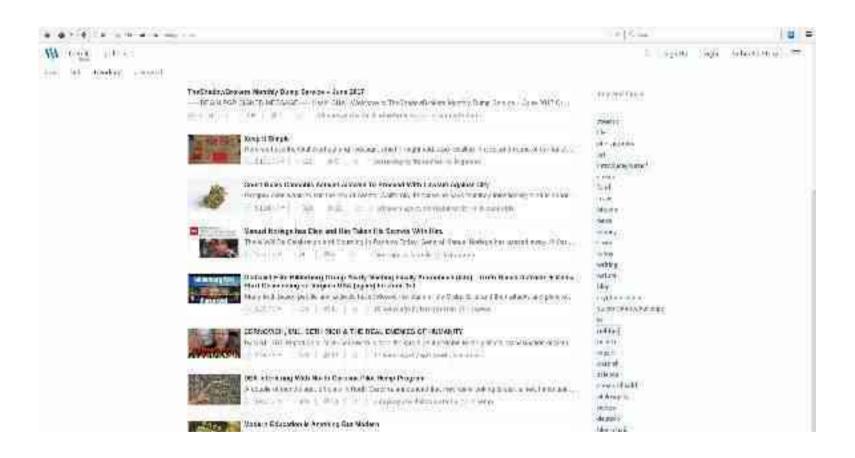
### Biblioteca descentralizada de Alexandria

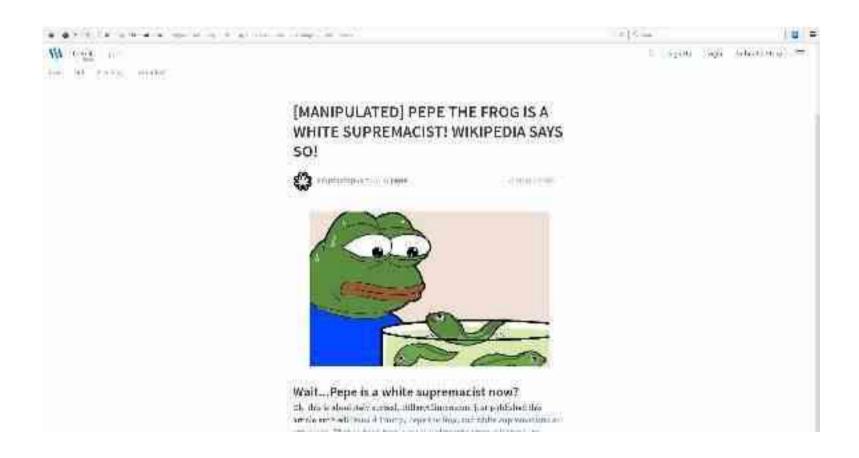




#### **Steemit**

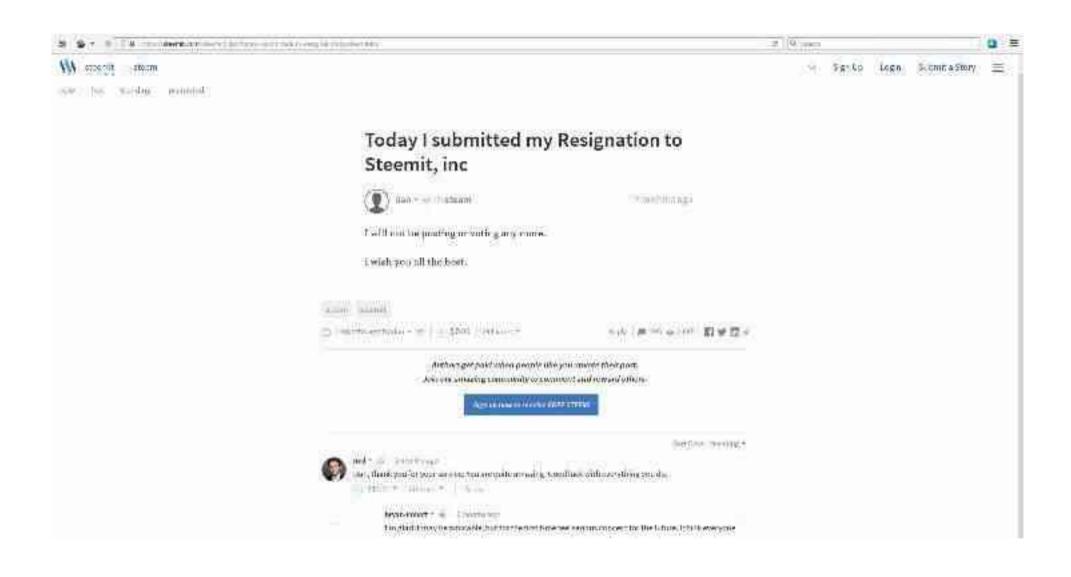
Rede social numa blockchain





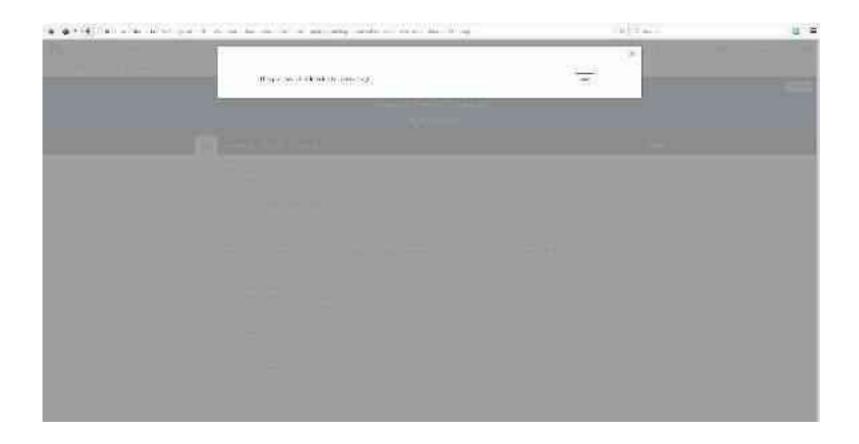


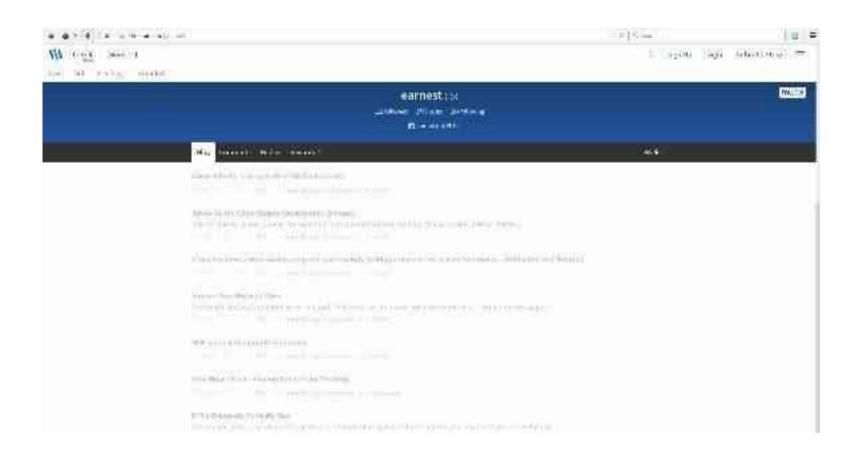


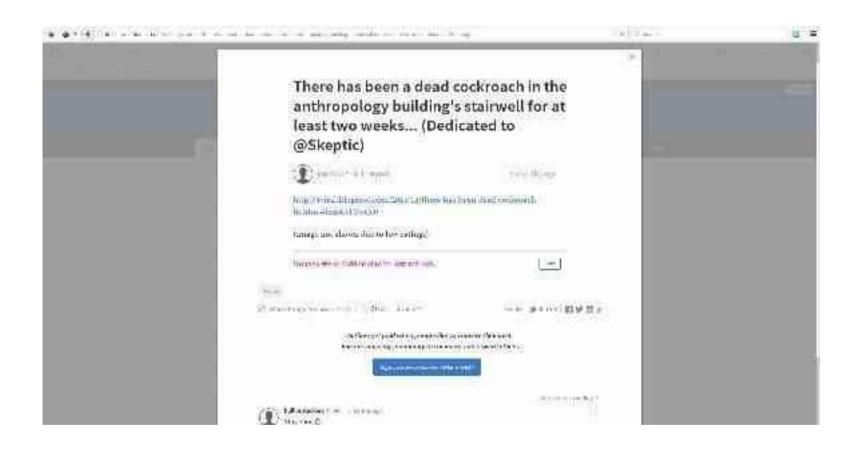


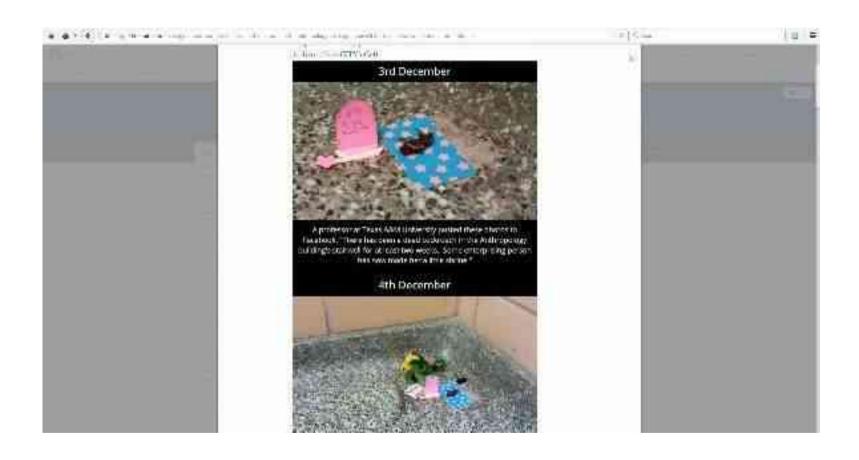


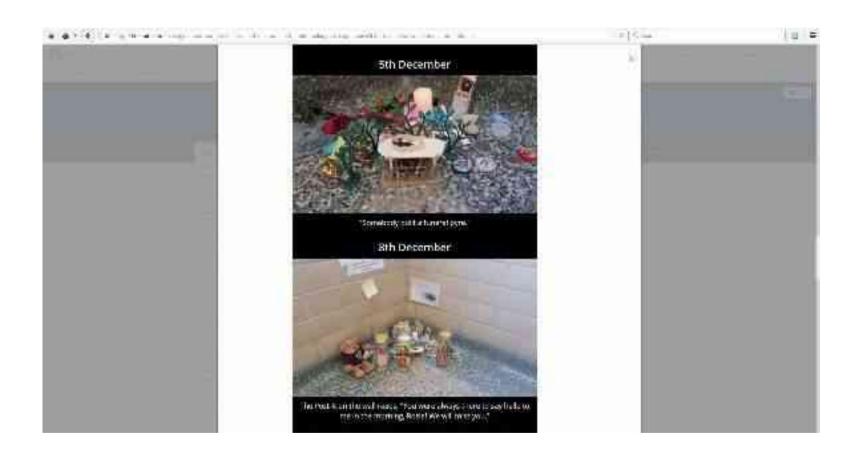


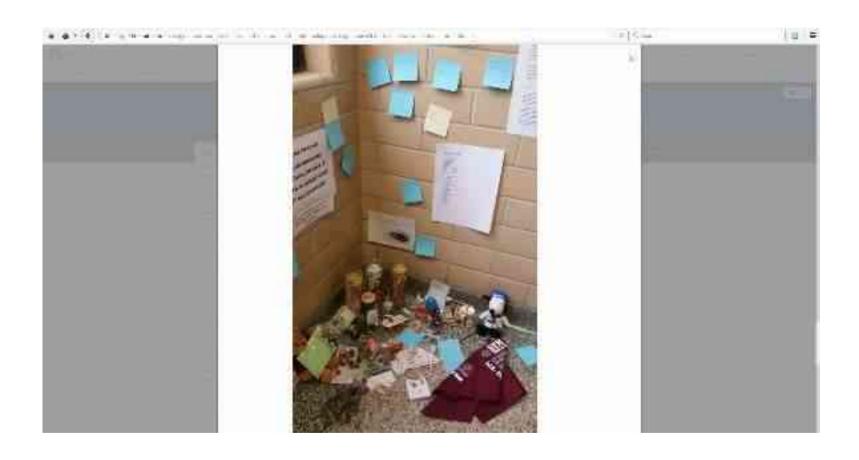




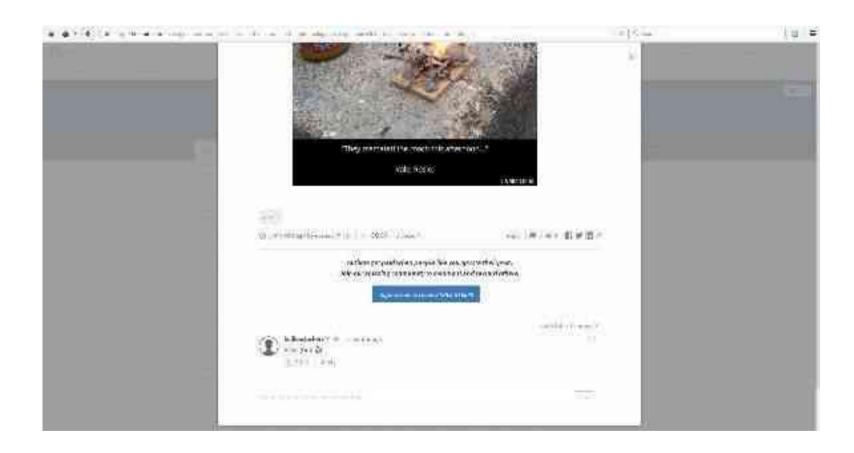












# Distribuição e Armazenamento

Iniciativas de armazenamento "em nuvem" usando blockchains



# Safenet





# Farming: an incentive for a crowd sourced internet.

Schoolet are given as an incorroyal placement for avoiding their resource to the network. This reconcers their plantage space, CPU, barrayada and or are time unit enable the encrysted character? network data to be stoned and retrieved from the comparer. The princers of providing tensors each below agrantage or minetum is patted. Therefore, Enclosing the property of property of the princers of providing the property of the prop

## Resource based economy.

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### Proof of resource.

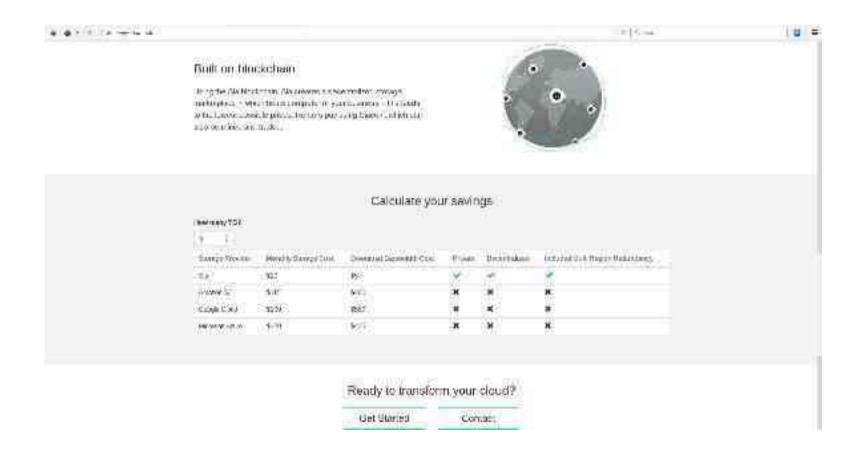
The resource provided by each Farmer ty continually checked by the

# Storj

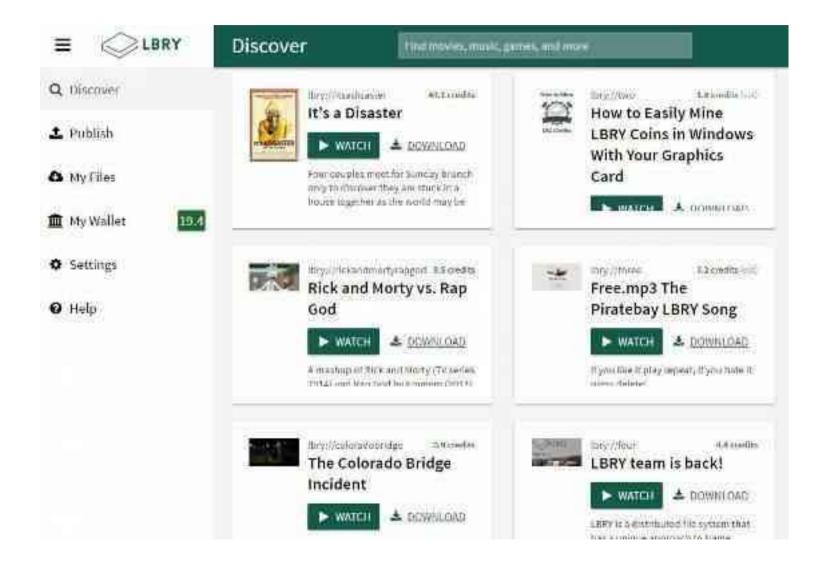




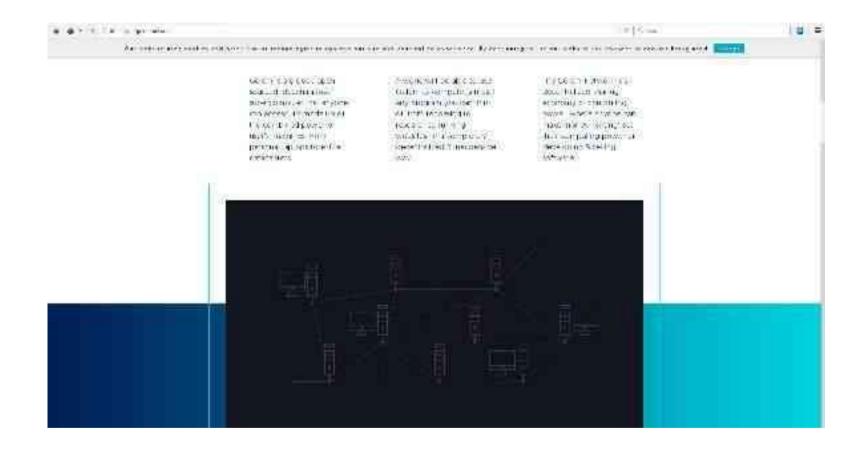
### **Siacoin**



# Lbry



### Golem

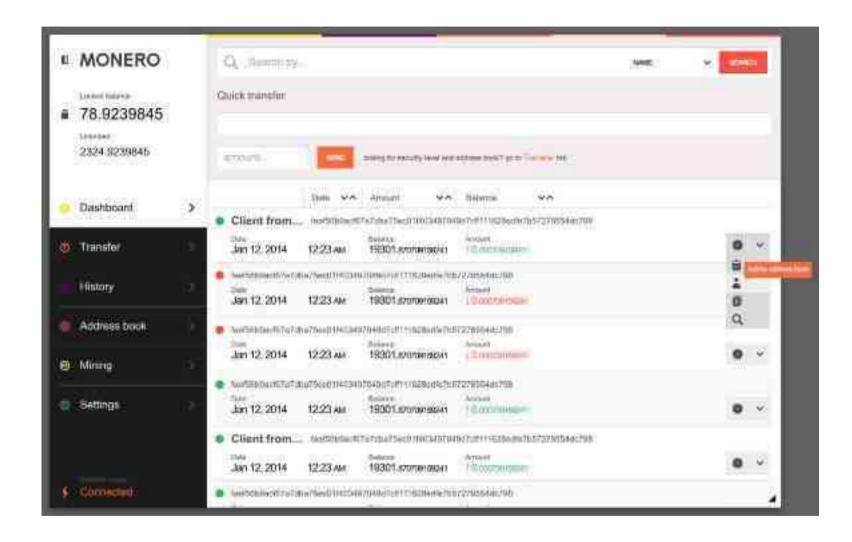


# **Anonimato**

Moedas desenvolvidas com foco em anonimato



#### **Monero**



# Z Cash



## **PIVX**



# Verge

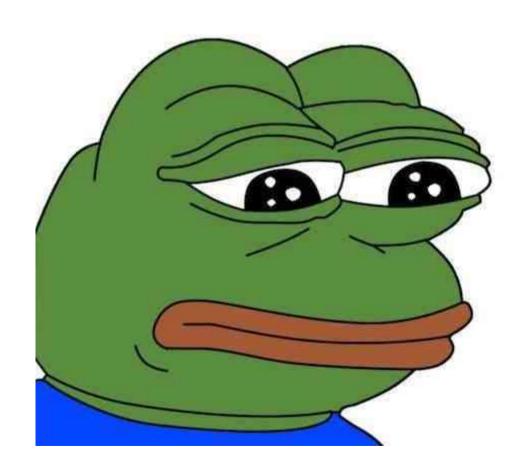


# **Cartório**

Proof of existence

# Pepe the Frog

O caso do sapo que virou nazista

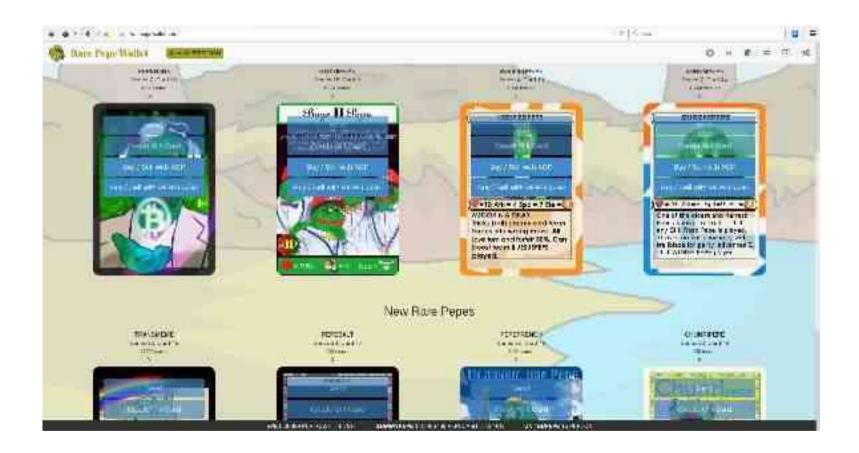


E ainda falam do Brasil, da Venezuela, de Cuba, da Coréia...





#### Gotta catch em all



#### Much Pepe Such Profit



# Perguntas?

Serviços pra responder perguntas da plateia





## Referências

### Alexandria

- http://florincoin.org
- <a href="http://alexandria.io">http://alexandria.io</a>

### **AuroraCoin**

- https://bitcointalk.org/index.php?topic=1467050.0
- <a href="https://en.wikipedia.org/wiki/Auroracoin">https://en.wikipedia.org/wiki/Auroracoin</a>
- <a href="http://auroracoin.is/">http://auroracoin.is/</a>

#### **Azure**

- https://azure.microsoft.com/en-us/blog/what-does-identity-mean-in-today-s-physical-and-digital-world/
- <a href="https://bitcoinmagazine.com/articles/microsoft-building-open-blockchain-based-identity-system-with-blockstack-consensys-1464968713/">https://bitcoinmagazine.com/articles/microsoft-building-open-blockchain-based-identity-system-with-blockstack-consensys-1464968713/</a>

## **Banco Muiraquitã**

- http://culturadigital.br/cintiaaraujo/2011/11/22/288/
- <a href="http://www.overmundo.com.br/overblog/belem-para-brasileiro-acai-carimbo-muiraquita">http://www.overmundo.com.br/overblog/belem-para-brasileiro-acai-carimbo-muiraquita</a>

#### **Banco Palmas**

- http://www.institutobancopalmas.org/
- https://pt.wikipedia.org/wiki/Banco Palmas

#### Baobaxia

- http://baobaxia.mocambos.net
- https://github.com/redemocambos/baobaxia

### Bitcoin como dinheiro

https://bitcointalk.org/index.php?topic=11627.0

### **Blockchain**

- https://en.wikipedia.org/wiki/Blockchain
- <a href="http://mcdonnell.mit.edu/blockchain\_ehr.pdf">http://mcdonnell.mit.edu/blockchain\_ehr.pdf</a>
- <a href="https://www.pubpub.org/pub/medrec">https://www.pubpub.org/pub/medrec</a>

#### **Blockstack**

https://blockstack.org

### **Cartório**

- https://proofofexistence.com/
- <a href="https://chromaway.com/papers/A-blockchain-based-property-registry.pdf">https://chromaway.com/papers/A-blockchain-based-property-registry.pdf</a>

#### **Emercoin**

- <a href="https://emercoin.com/">https://emercoin.com/</a>
- https://en.wikipedia.org/wiki/Emercoin

#### **FreeNet**

- https://en.wikipedia.org/wiki/Freenet
- https://freenetproject.org/

### Golem

• <a href="https://golem.network/">https://golem.network/</a>

### **GNUNet**

- <a href="https://gnunet.org/">https://gnunet.org/</a>
- https://en.wikipedia.org/wiki/GNUnet

#### **IPFS**

• <a href="https://ipfs.io/">https://ipfs.io/</a>

### Kolion / Russia

- <a href="https://en.wikipedia.org/wiki/Kolion">https://en.wikipedia.org/wiki/Kolion</a>
- <a href="https://en.wikipedia.org/wiki/Kolionovo">https://en.wikipedia.org/wiki/Kolionovo</a>
- http://www.bbc.com/news/blogs-news-from-elsewhere-33024081

- https://cointelegraph.com/news/a-russian-farmer-sows-his-own-currency-to-aid-rural-population
- http://www.rapsinews.com/judicial\_news/20150601/273841914.html
- http://www.themoscowtimes.com/news/article/anarchist-russian-farmer-to-defend-his-village-currency-in-court/522928.html
- · http://katehon.com/article/kolionovo-v-usury-lesson-world
- <a href="https://meduza.io/en/feature/2015/06/12/do-not-pass-go-do-not-collect-200-dollars">https://meduza.io/en/feature/2015/06/12/do-not-pass-go-do-not-collect-200-dollars</a>
- http://www.bbc.com/news/blogs-news-from-elsewhere-33024081
- http://www.aljazeera.com/indepth/features/2015/06/anger-moscow-russian-village-prints-currency-150628143029075.html
- https://medium.com/@kolionovofarm
- https://bitcointalk.org/index.php?topic=1863524.0
- https://bitcointalk.org/index.php?topic=1848067.0
- https://www.rbth.com/business/2014/02/05/russia becomes the second country to ban bitcoin 33871.html
- https://www.rbth.com/business/2016/05/27/national-cryptocurrency-may-be-introduced-in-russia\_597941
- https://www.rbth.com/business/2017/04/24/russia-to-legalize-bitcoins-and-other-cryptocurrencies-in-2018\_749311
- <a href="https://www.rbth.com/science\_and\_tech/2017/05/26/a-farm-outside-of-moscow-gets-a-new-chance-at-life-in-the-crypto-zone\_771110">https://www.rbth.com/science\_and\_tech/2017/05/26/a-farm-outside-of-moscow-gets-a-new-chance-at-life-in-the-crypto-zone\_771110</a>

### Lbry

https://lbry.io

#### Mazacoin

- <a href="http://mashable.com/2014/09/18/mazacoin-bitcoin-native-americans">http://mashable.com/2014/09/18/mazacoin-bitcoin-native-americans</a>
- https://en.wikipedia.org/wiki/MazaCoin
- https://bitcointalk.org/index.php?topic=508849.0
- http://www.newsweek.com/2014/08/22/tribe-brought-you-custers-last-stand-sitting-bulls-bitcoin-264440.html
- <a href="http://www.forbes.com/sites/jasperhamill/2014/02/27/the-battle-of-little-bitcoin-native-american-tribe-launches-its-own-cryptocurrency/">http://www.forbes.com/sites/jasperhamill/2014/02/27/the-battle-of-little-bitcoin-native-american-tribe-launches-its-own-cryptocurrency/</a>
- https://en.wikipedia.org/wiki/Oglala\_Lakota
- http://www.npr.org/sections/codeswitch/2014/03/07/287258968/a-native-american-tribe-hopes-digital-currency-boosts-itssovereignty
- http://www.montanakaimin.com/arts and culture/article fd17f240-b1a2-11e4-ac3e-474acc0fd022.html
- https://docs.google.com/file/d/0B7fWkt\_Ox55ITXdKV2pQVHA3emc/edit?pli=1
- <a href="https://indiancountrymedianetwork.com/news/business/9-questions-surrounding-mazacoin-the-lakota-cryptocurrency-answered/">https://indiancountrymedianetwork.com/news/business/9-questions-surrounding-mazacoin-the-lakota-cryptocurrency-answered/</a>

#### **Monero**

- <a href="https://getmonero.org/home">https://getmonero.org/home</a>
- https://en.wikipedia.org/wiki/Monero %28cryptocurrency%29

#### Namecoin

- <a href="https://en.wikipedia.org/wiki/Namecoin">https://en.wikipedia.org/wiki/Namecoin</a>
- https://www.namecoin.org/

#### **New Economic Movement**

https://nem.io

### **Nigeria**

- http://www.coindesk.com/ice3x-launches-nigerias-first-bitcoin-exchange/
- https://www.nairaex.com/
- <a href="https://news.bitcoin.com/central-bank-of-nigeria-says-we-cant-stop-bitcoin/">https://news.bitcoin.com/central-bank-of-nigeria-says-we-cant-stop-bitcoin/</a>
- https://www.cryptocoinsnews.com/nigeria-warns-banks-bitcoin-ripple-monero-litecoin-dogecoin-onecoin/
- https://news.bitcoin.com/nigerias-bitcoin-interest-unwavering-despite-government-crackdown/
- https://www.cbn.gov.ng/Out/2017/FPRD/AML%20January%202017%20Circular%20to%20FIs%20on%20Virtual%20Currency.pdf
- http://bitcoinist.com/bitcoin-currency-crisis-nigeria/
- <a href="https://www.bloomberg.com/news/articles/2016-06-28/devalued-naira-too-hot-for-traders-seeing-further-currency-slide">https://www.bloomberg.com/news/articles/2016-06-28/devalued-naira-too-hot-for-traders-seeing-further-currency-slide</a>
- http://sec.gov.ng/public-notice-on-investments-in-cryptocurrencies-and-other-virtual-or-digital-currencies/
- https://news.bitcoin.com/nigerian-sec-associates-shady-mlm-schemes-like-onecoin-with-bitcoin/
- https://themerkle.com/bitcoin-price-spikes-to-1600-in-nigeria/
- https://cointelegraph.com/news/mmm-nigeria-notorious-ponzi-scheme-enables-bitcoin-for-payments
- https://twitter.com/MMMNigeriaHelp/status/830392802639015936
- http://www.newsbtc.com/2017/01/15/nigeria-will-lead-bitcoin-adoption-africa-soon/
- https://btc.ng/bitcoin-guide/how-to-make-money-with-bitcoin-in-nigeria/

### **OpenNIC**

https://www.opennic.org/

### Pepe the Frog

- https://www.hillaryclinton.com/feed/donald-trump-pepe-the-frog-and-white-supremacists-an-explainer/
- https://twitter.com/realDonaldTrump/status/653856168402681856
- <a href="http://www.npr.org/sections/alltechconsidered/2017/05/11/527590762/what-pepe-the-frogs-death-can-teach-us-about-the-internet">http://www.npr.org/sections/alltechconsidered/2017/05/11/527590762/what-pepe-the-frogs-death-can-teach-us-about-the-internet</a>
- https://steemit.com/pepe/@caladium/pepe-cash-meme-as-cryptocurrency
- <a href="http://www.news.club/pepe-lives-artist-matt-furie-says-internet-famous-frog-will-rise-from-the-ashes/">http://www.news.club/pepe-lives-artist-matt-furie-says-internet-famous-frog-will-rise-from-the-ashes/</a>
- https://coinmarketcap.com/assets/pepe-cash
- http://www.breitbart.com/tech/2017/01/11/redditors-develop-meme-stock-market/
- https://www.reddit.com/r/MemeEconomy/
- http://rarepepefoundation.com/
- http://rarepepedirectory.com

#### **PIVX**

https://pivx.org/

#### **Proof of stake**

- https://en.wikipedia.org/wiki/Proof-of-stake
- http://primecoin.io/
- https://www.dash.org/
- https://www.decred.org/

### Ripple

• https://ripple.com/

#### Safe Network

- <a href="https://maidsafe.net/">https://maidsafe.net/</a>
- https://safenetwork.org/

#### Siacoin

https://sia.tech/

#### **Steemit**

- · https://steemit.com/faq.html
- https://en.wikipedia.org/wiki/Steemit
- https://steemit.com/@earnest
- https://steemit.com/steem/@dan/today-i-submitted-my-resignation-to-steemit-inc
- <a href="https://steemit.com/steemit/@ned/my-announcement-march-15-2017">https://steemit.com/steemit/@ned/my-announcement-march-15-2017</a>

### Storj

• <a href="https://storj.io/">https://storj.io/</a>

### Suíça

- <a href="https://news.bitcoin.com/switzerland-densest-bitcoin-atm-network/">https://news.bitcoin.com/switzerland-densest-bitcoin-atm-network/</a>
- http://www.coindesk.com/swiss-government-paving-way-bitcoin-blockchain-banks/
- http://www.coindesk.com/blockchain-innovation-switzerland-crypto-valley-new-york/
- <a href="http://www.coindesk.com/switzerland-bitcoin-regulation/">http://www.coindesk.com/switzerland-bitcoin-regulation/</a>
- <a href="http://www.coindesk.com/ernst-young-switzerland-bitcoin-payments/">http://www.coindesk.com/ernst-young-switzerland-bitcoin-payments/</a>

- <a href="https://cointelegraph.com/news/switzerland-grants-bitcoin-license-to-xapo-legal-to-operate">https://cointelegraph.com/news/switzerland-grants-bitcoin-license-to-xapo-legal-to-operate</a>
- https://news.bitcoin.com/ey-switzerland-bitcoin-installs-btm/
- https://www.bitcoinassociation.ch/bitcoin-association-switzerland/2017/4/27/ey-switzerland-joins-the-bitcoin-association
- <a href="https://taxfoundation.org/switzerland-exempt-bitcoin-vat">https://taxfoundation.org/switzerland-exempt-bitcoin-vat</a>

#### **Tor**

https://torproject.org/

#### Venezuela

- http://www.reuters.com/article/us-venezuela-bitcoin-idUSKCN0HX11O20141008
- <a href="https://www.theguardian.com/technology/2016/dec/16/venezuela-bitcoin-economy-digital-currency-bolivars">https://www.theguardian.com/technology/2016/dec/16/venezuela-bitcoin-economy-digital-currency-bolivars</a>
- <a href="http://www.businessinsider.fr/us/venezuela-bitcoin-use-popularity-restrictions-and-crackdown-2017-3/">http://www.businessinsider.fr/us/venezuela-bitcoin-use-popularity-restrictions-and-crackdown-2017-3/</a>
- <a href="https://www.washingtonpost.com/news/worldviews/wp/2017/03/10/bitcoin-mining-is-big-business-in-venezuela-but-the-government-wants-to-shut-it-down/">https://www.washingtonpost.com/news/worldviews/wp/2017/03/10/bitcoin-mining-is-big-business-in-venezuela-but-the-government-wants-to-shut-it-down/</a>
- <a href="https://www.forbes.com/sites/realspin/2017/02/03/why-venezuelas-currency-crisis-is-a-case-study-for-bitcoin/">https://www.forbes.com/sites/realspin/2017/02/03/why-venezuelas-currency-crisis-is-a-case-study-for-bitcoin/</a>
- <a href="https://www.forbes.com/sites/timworstall/2017/01/27/congratulations-to-venezuela-bitcoin-miners-arrested-for-stealing-free-electricity/">https://www.forbes.com/sites/timworstall/2017/01/27/congratulations-to-venezuela-bitcoin-miners-arrested-for-stealing-free-electricity/</a>
- http://www.newsbtc.com/2017/01/26/authorities-venezuela-arrest-four-bitcoin-miners/
- https://criptonoticias.com/sucesos/autoridades-apresan-cuatro-mineros-bitcoins-venezolanos-afueras-caracas/
- <a href="http://www.cicpc.gob.ve/index.php/689-capturadas-cuatro-personas-por-fraude-en-internet-y-hurto-electrico-en-miranda">http://www.cicpc.gob.ve/index.php/689-capturadas-cuatro-personas-por-fraude-en-internet-y-hurto-electrico-en-miranda</a>
- https://twitter.com/PRENSACICPC/status/823960428460015620

- <a href="https://criptonoticias.com/regulacion/limites-impuestos-cajeros-automaticos-invitan-adopcion-bitcoin-venezuela/">https://criptonoticias.com/regulacion/limites-impuestos-cajeros-automaticos-invitan-adopcion-bitcoin-venezuela/</a>
- https://criptonoticias.com/adopcion/bitcoin-es-un-fenomeno-silente-en-venezuela/
- https://arstechnica.com/tech-policy/2017/01/four-bitcoin-miners-arrested-in-venezuela-for-allegedly-stealing-electricity/
- https://reason.com/archives/2016/11/28/the-secret-dangerous-world-of
- <a href="https://criptonoticias.com/sucesos/desmentimos-articulo-de-televisora-estatal-tras-ataque-al-bitcoin-en-venezuela/">https://criptonoticias.com/sucesos/desmentimos-articulo-de-televisora-estatal-tras-ataque-al-bitcoin-en-venezuela/</a>
- http://bitcoinist.com/venezuela-arrests-bitcoin-miners/
- https://www.nytimes.com/2017/01/03/business/dealbook/bitcoin-price-soars-fueled-by-speculation-and-global-currency-turmoil.html
- <a href="http://www.marketwatch.com/story/venezuelan-authorities-arrest-4-bitcoin-miners-2017-01-26">http://www.marketwatch.com/story/venezuelan-authorities-arrest-4-bitcoin-miners-2017-01-26</a>
- http://www.breitbart.com/tech/2017/03/27/venezuelans-using-rare-pepes-bitcoin-currency/
- https://cryptoinsider.com/venezuelan-developers-using-bitcoin-rare-pepes-fight-dismal-economy/
- <a href="https://news.vice.com/article/unable-to-get-dollars-venezuelans-turn-to-bitcoins">https://news.vice.com/article/unable-to-get-dollars-venezuelans-turn-to-bitcoins</a>
- <a href="https://bitcoinmagazine.com/articles/bitcoin-in-south-america-why-venezuela-has-an-active-bitcoin-mining-community-1452097837/">https://bitcoinmagazine.com/articles/bitcoin-in-south-america-why-venezuela-has-an-active-bitcoin-mining-community-1452097837/</a>

#### **VERGE**

- http://vergecurrency.com/
- https://bitcointalk.org/index.php?topic=1365894.0

### Votação

• http://e-vox.org/BLOCKCHAINE-VOXMEMORANDUM.pdf

- <a href="http://www.diplomacy.edu/blog/blockchain-and-future-governance">http://www.diplomacy.edu/blog/blockchain-and-future-governance</a>
- https://followmyvote.com/online-voting-technology/blockchain-technology/
- https://www.nsd.ru/en/press/ndcnews/index.php?id36=628973
- <a href="https://github.com/dsx-tech">https://github.com/dsx-tech</a>
- <a href="https://www.blockchain-voting.org/">https://www.blockchain-voting.org/</a>
- https://github.com/luzi41/blockchain-voting-system
- https://nxt.org/what-is-nxt/voting/
- <a href="https://www.reddit.com/r/Bitcoin/comments/1wf7hd/votechain-bitcoins-blockchain-based-voting-system/">https://www.reddit.com/r/Bitcoin/comments/1wf7hd/votechain-bitcoins-blockchain-based-voting-system/</a>
- https://www.reddit.com/r/crypto/comments/r003r/are others interested in cryptographybased voting/c42lo83
- <a href="https://followmyvote.com/online-voting-technology/blockchain-technology/">https://followmyvote.com/online-voting-technology/blockchain-technology/</a>
- https://followmyvote.com/blockchain-voting-the-end-to-end-process/
- http://www.coindesk.com/nasdaq-shareholder-voting-estonia-blockchain/
- https://bitcoininc.xyz/BitCongress Whitepaper.pdf
- https://cointelegraph.com/news/russia-tests-blockchain-voting-plans-to-launch-it-in-2017
- <a href="http://www.investopedia.com/news/blockchain-company-creating-tamperproof-voting-system/">http://www.investopedia.com/news/blockchain-company-creating-tamperproof-voting-system/</a>

#### Zerocoin

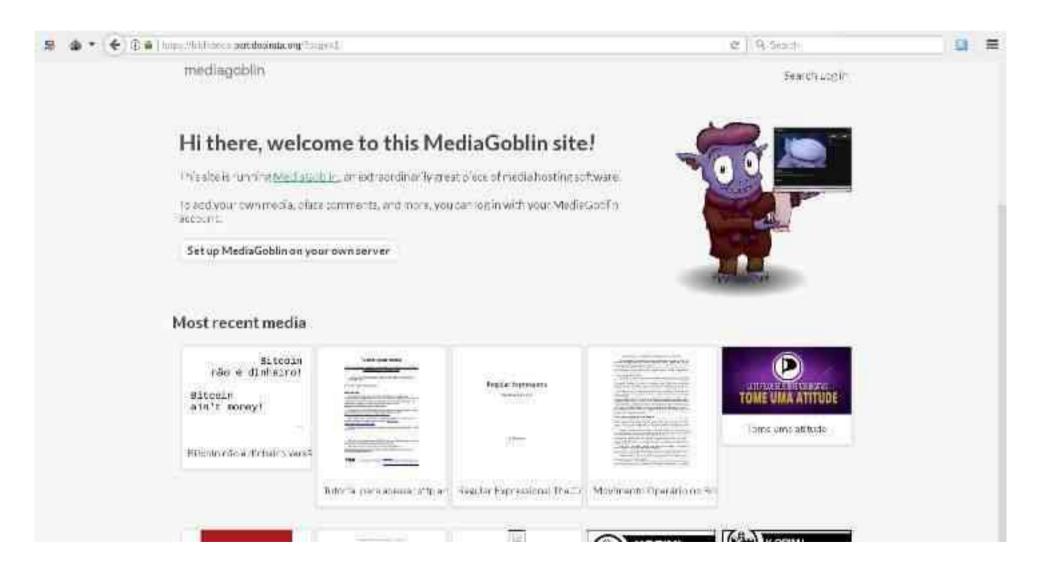
- https://z.cash/
- http://zerocoin.org
- https://en.wikipedia.org/wiki/Zerocoin

## Zeronet

• <a href="https://zeronet.io">https://zeronet.io</a>

# biblioteca.partidopirata.org

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