

NETHEMBA

# Evolution of sharing economy

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# Let me introduce myself

- Cryptoanarchist and voluntaryist focused on technology and society hacking
- Co-organizer of the biggest cryptoanarchistic conference Parallel Polis in Prague ( [www.hcppp.cz](http://www.hcppp.cz) )
- Co-founder of Bratislava and Prague's hackerspaces
- Member of Czech contemporary artistic group Ztohoven
- Owner of IT security ethical hacking company Nethemba & contemporary art creation company Satori

# Rise of sharing economy

- Uber, Airbnb, Lyft, Bla Bla Car are just a few of them
- It significantly reduces transactions costs
- It allows to re-use still unused / dead resources in order to achieve **Pareto optimality**
- All expenses related to mutual contracts and their enforcement can be delegated to the trusted and reputable provider

# Multi-purpose "sharing economy" application

- Usability of sharing economy applications is crucial for a massive proliferation of sharing economies
- In the following years, we should expect a universal sharing application allowing anyone to provide almost any services to anyone
- If a decentralization, end-to-end encryption and anonymous crypto-currencies are used, the government will lose the possibility to shut down the given service, intervene to the mutual contracts and enforce a taxation

# Decentralization

- We can see a lot of anti-Uber and anti-Airbnb demonstrations around the world
- Governments enforce a lot of regulations often leading to complete ban of sharing economy services
- Decentralization can help to avoid all government regulations
- **Arcade.city** - "decentralized Uber" based on Bitcoin blockchain, now successfully running in USA
- The first implementation of decentralized marketplace **OpenBazaar** is running on TESTNET

# Anonymization

- Imposing high taxation to services of sharing economy may lead to bigger acceptance of cryptocurrencies, especially true anonymous currencies like Zerocash, Cloakcoin, Zerocoin that cannot be tracked / monitored by 3rd parties
- Reputation (fundamental for any business) is achievable even in a completely anonymous system
- Tor or I2P anonymization networks in a combination with OpenBazaar may introduce a bullet-proof concept that cannot be shut-down or regulated

# Anonymous decentralized anti-government insurance

- Avoiding tax duties (thanks to decentralization and anonymity) will be still a criminal act
- There will be an economical incentive / strong demand for an insurance that will protect sellers / buyers and help them to delegate the risk to 3rd party
- Starting and running the anonymous decentralized anti-government insurance company with a good reputation without the government's possibility to shut-down or its regulations, is technically **FEASIBLE**

# The future is bright, the future is decentralized

- Sharing economy will be omnipresent
- More government regulations mean technological movement to decentralization and anonymization
- The time when crypto technologies make victimless crimes obsolete is just coming
- The government's fight with sharing economy cannot be won, the sharing economy market cannot be technically regulated or prohibited
- Many innocent people will be sacrificed