



befrank

Introduction

The name "BeFrank" is short for the Belgian e-Frank. We intend to boost the economy by a faster and more secure way transacting. BeFrank is also our plan-b for Belgium in terms of monetary and financial turmoil. We intend to provide all the infrastructure and incentives to democratise money. BeFrank is money by Belgians, for Belgians and under the control of Belgians, or sympathisers.

We deliberately chose English to avoid any bias towards any part of the country. In the future we will foresee all translations as we progress in this journey.

The "Belgian Frank" has been a distinct unit of currency in Belgium since 1832, two years after the founding of our nation. We have chosen to re-use the name for educational and nostalgic purposes, since it was replaced by the Euro in 1999 (*).

The "Frank" or "Franc" therefore is a very well-known term, with very strong associations with "money" not only in Belgium, but many other nations, such as France, Switzerland and Luxemburg. It sounds familiar to people, which makes it easier to adopt and teach.

It has been resurrected in the digital form of cryptocurrency, based upon proven and tested technology.

(*) We want to party like it's 1999 once again.

The Founders

We are no strangers to each other, and neither should we be to you. Unlike most creators of cryptocurrencies, we are not afraid to put our names behind the coin.

1. Andre-Nicolas Rolin
2. Damien Trog
3. Maarten Maarsmechelen
4. Stijn Christiaens

Mission Statement

To provide all the infrastructure and incentives to democratise our money. Befrank will be easy to use and free to receive via Airdrop for every Belgian. We will reserve 10% of all funds to provide for social welfare and market making, especially for the millennial generation. All under democratic governance.

Goals and Values

1. *Honesty*- At the time of launching the BeFrank, cryptocurrencies were plagued with Ponzi schemes and exit scams. We therefore value honesty and a sustainable approach to this form of money. The world-play on to "Be Frank" and "Get Frank" are no coincidence. We put our name and reputation behind the BeFrank, as we believe in democratising money.

2. *Ecology*- We chose the CryptoNote variant, since it employs many techniques preventing specialised hardware to be engineered that consume ludicrous amounts of energy to safeguard its blockchain. A regular computer is necessary to "mine" BeFranks, which is not only more democratic, but also far more ecological. If ASIC miners are produced for cryptonight, we put up for vote how to mitigate the danger to centralisation.

3. *Stability*- Miners are rewarded BeFranks which are added to the money supply for auditing the transactions.

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4. *Social Welfare*- Belgium still has affordable health care and a high standard of living. Nothing lasts forever, and we merely want to provide a plan-b for the future. Millennials in particular are in danger of being stuck with paying the bill for a collapse in a government decreed monetary system that requires infinite growth and capitalism turning into an oligarchy. We reserve 10% of the monetary supply, a legit "silver fund" to save for the future.

5. *Democracy*- The BeFrank money supply and reserve fund should not be in sole control of the initial developers. Therefore, we are open to working with the government and put the fund under democratic control. Working with multi signature transactions we simulate voting and allow the same privileges to users and developers to improve the system.

6. *Sharing is Caring*- We pledge to provide every Belgian with at least 50 BFR for free in multiple ways including an airdrop.

7. *Education*- Have you ever wondered what money is, where it comes from, how much money there is and who controls it? Although it is half of every transaction. We hope to answer this by providing every Belgian with 50 BFR, the software and training sessions to educate everybody who wants to learn how money works.

Monetary Philosophy

BeFrank is based on principles of the [Austrian school of economics](#) which emphasizes the spontaneous organizing power of the price mechanism and holds that the complexity of subjective human choices makes mathematical modeling of the evolving market practically impossible. Its scholars eschew what they consider too simple mathematical modeling of the economy, considering much of mainstream economics unfounded. Its proponents tend to emphasize the organic, subjective and evolving nature of market dynamics, advocating the strong protection of private property rights and the strict enforcement of

voluntary contractual agreements between economic agents as the best way of facilitating economic exchange, and generally advocate a laissez-faire approach to the economy, arguing that the smallest imposition of coercive force (especially government-imposed force) on commercial transactions is the most effective way to secure long-run economic stability and well-being.

In particular, they voice serious concerns about the distorting and damaging effects of government involvement in commerce, arguing that few government regulations in this area are necessary or desirable and often trigger a "ratchet effect" as problems associated with existing regulations are often blamed on the free market, thereby justifying further damaging, coercive incursions into the market. They are particularly critical of long-standing governmental incursions into the area of private money production, advocating instead the immediate abolition of all coercive legal tender laws and the return to full reserve - or free - banking, where the financial system is decentralized and not dominated or controlled by coercive monopoly government or a monopoly central bank.

One of the most known scholars, Noble Prize laureate, economist and philosopher Friedrich Hayek in his book "*The Denationalization of Money*" states that instead of a national government issuing a specific currency, use of which is imposed on all members of its economy by force in the form of legal tender laws, private businesses should be allowed to issue their own forms of money, deciding how to do so on their own. Hayek advocates a system of private currency in which financial institutions create currencies that compete for acceptance.

BeFrank is proposed as one of such free exchange medium – egalitarian, decentralized system with enhanced privacy, where value of its units is based solely on supply and demand in the market,

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emission depends on constant mathematical algorithm, where everyone can participate in emissions of BeFrank, receiving them as a reward for the provided computing resources of their regular PC to support the network.

We are not purists in the Austrian school. Although we do believe in real money, we also believe in a community taking care of itself. Therefore, we are open to co-operate with the government to dedicate funds to improve the standard of living and provide the option of voluntary donating a percentage of a transaction to the fund so there is self-regulation. The BeFrank itself should be free from politics and is in fact implemented as a hybrid of the two schools of thought.

Fungibility and privacy of BeFrank

Anonymity is implemented by ring signatures to hide the sender and one-time addresses that are hiding the recipient.

1. *Privacy*- Transactions in BeFrank are untraceable and unlinkable, if you chose them to be. BeFrank provides complete anonymity and privacy using cryptographic technology **ring signatures**. All transactions signed on behalf of a group so that it is impossible to determine who exactly from the group signed the transaction and, accordingly, one cannot say with certainty who carried out the payment. The more participants in the group, the more confidential operation is. In addition, the transactions cannot be associated, – even if outgoing transactions are untraceable, everyone may still be able to see the transactions you have received. However, by using a variation of the Diffie-Hellman exchange protocol, a receiver has multiple unique **one-time addresses** derived from his single public key. After funds are sent to these addresses they can only be redeemed by the receiver and it would be impossible to cross-link these transactions.

2. *Fungibility*- Unique one-time addresses and ring signatures of transactions are

providing **resistance to blockchain analysis**. Every transaction only increases entropy and creates additional obstacles for those who wish to dig into financial operations with BeFrank.

Resistance to the analysis, in turn, provides a very important characteristic inherent in real money. Functionality of money means that all units of one denomination have the same purchasing power.

Fungibility is the key difference and advantage over Bitcoin. All the BeFrank are interchangeable and uniform, unlike bitcoins. It is because in Bitcoin everyone can at any time view all transactions on the accounts of any and all participants and see how many Bitcoins is at the balance of an address. This can lead to censorship of the assets of people. Using BeFrank you have enhanced privacy, independence, and freedom as if you used cash.

The Specifications

Based upon the CryptoNote blockchain technology, with easy to choose level of privacy.

100 000 000 000 (100 billion) BFR will be the total money supply.

10% allocated reserve fund, only spendable with multi signature transactions.

10% allocated as founders compensation for investing our time, own money and reputation, which we already use for philanthropy.

Emission factor of 18 with 120 seconds difficulty adjustment.

BeFrank Money Supply vs. Time

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