

Better Money Labs

Unfolding endless possibilities of programmable money

July 30, 2025

1 Introduction

We are living through big shifts, geopolitically, geoeconomically and lifestyle-wise. Such shifts should inevitably cause changes in monetary landscape, especially as mankind is now equipped with blockchain technology, which allows for transparency of money issuance and initial distribution. Despite huge demand, there are still no multilayered solutions for a modern monetary stack. Furthermore, the cryptocurrency space diverged from its initial course of reworking money to an unfortunately modest role of producing funny collectibles (such as monkey NFTs, memecoins) or merely transferring digital dollars (e.g. USDT and USDC) reliant on trusted parties. In this environment, Better Money Labs is seizing the unique opportunity to establish itself as the first major entity in the cryptocurrency space to transform money through programmable, uncontrollable, geopolitically neutral Proof-of-Work assets, and profit heavily from this unique position.

The world urgently needs better money on many levels:

- ★ many companies around the world are struggling with dealing with unstable currencies (for example, Huawei was the biggest beef seller in China for some time after getting paid with it for contracts in Argentina [1]). They need tokenized real world assets along with tools for clearing transactions, combining assets of different kinds, and establishing trust.
- ★ due to the nature of globalized financial capital, many villages and towns around the world are stuck in depression. There is a need to revive the small communities with new forms of money, created locally.
- ★ there are tens of countries around the globe suffering from hyperinflation and currency crises. Transparent money creation based on solid principles could free their populations from these vicious cycle.

Better Money is a multi-dimensional initiative to produce modern, transparent, efficient monetary and financial systems in the age of distrust and uncertainty, by introducing safe and efficient blockchain and decentralized finance protocols to achieve this goal.

Better Money is structured as a commercial company around the Ergo cryptocurrency's ecosystem. Better Money's role for Ergo will be similar to Blockstream's role for Bitcoin, Consensus's role for Ethereum or Tari Labs's role for Monero. However, unlike them, the focus of Better Money is not on particular technologies, such as sidechains or Lightning Network in the case of BlockStream, but rather on real-world use cases.

The choice of Ergo as the base layer for Better Money's activities is due to its *Bitcoin-on-steroids* properties: TODO: list some properties.

This paper is structured as follows. Section 2 describes the team and its background. Section ?? outlines solutions for improving the cryptocurrency space and getting real-world adoption in regards to reworked and improved forms of money. Finally, Section 5 informs how to join or partner with us.

2 Team and Background

Our team and networks we have (such as friendly research labs in universities around the globe and consultancy shops) are capable to do research and development at fastest pace possible in all the cryptocurrency and decentralized finance related topics. The team consists of skilled and experienced Scala and Rust developers, researchers, business developers with vast experience in Asian, Africa, CIS markets.

What we achieved in the past:

- ★ more than dozen of papers published in peer-reviewed venues (cryptography, blockchain, cryptoeconomics, monetary)
- ★ early contributions to Chainlink, Cardano, NXT (first PoS cryptocurrency, top3 in 2014), Waves (top20 in 2017) etc
- ★ modular blockchain framework Scorex, the first one of its kind (before Substrate, Intel's Sawtooth Lake, Hyperledger solutions etc) which was used to create some educational / experimental blockchains as well as some production ready top100 cryptocurrencies (Waves, V-systems)
- ★ an ASIC-resistant Proof-of-Work algorithm [2], and first non-outsourceable Proof-of-Work algorithm [2], both proven with practice
- ★ first stateless cryptocurrency clients, for both partial [3] and full [4] settings
- ★ first log-space mining [5] implementation
- ★ Ergo, cryptocurrency and programmable money platform (\$800M market cap at 2021 peak)
- ★ SigmaUSD stablecoin (Djed protocol [6] implementation), survived 30x price rejection of a base asset
- ★ Gluon and Dexy stablecoin designs
- ★ P2P financial tools (bonds, privacy tooling [7])
- ★ ChainCash prototype, a framework for money creation with elastic supply via trust and blockchain assets in global digital peer-to-peer environment [8]

With such background, we are now going forward to solving real world issues with tooling, such as Ergo proof-of-work blockchain and programmable money

platform, along with developed solutions in programmable money, p2p financial tooling, trustless sidechains, trustless and trust-minimized on-chain derivatives, and so on.

3 Solutions

As blockchain tech looks to be stabilized, we suppose that most of the needed pieces are already here, we just need to improve and combine them wisely, based on team's twelve years of experience in the cryptocurrency space:

- ★ high-performance Proof-of-Work protocols [9,10]
- ★ trustless Ergo sidechains [11] and dedicated Sigma chains [12]
- ★ phygital solutions to insure physical commodities with algorithmic counterparts [13]
- ★ monetary expansion tooling on top of on-chain reserves [8]
- ★ more stablecoin and oracle pool designs
- ★ offchain cash systems with properties needed by use case demands
- ★ tailored financial instruments created by AI
- ★ alternative monetary systems, such as Local Exchange Trading Systems (LETS) and timebanks [14], with blockchain being used for cross-community settlement
- ★ precisely defined monetary circuits

However, concrete steps are to be decided along with partners, as the goal is to serve real-world use cases. We are already in talks with tens of possible partners. If you are interested in partnership also, see Section 5 for details.

4 Monetization

Better Money's mission to reshape global monetary systems is about disrupting biggest world's markets, which is bringing a lot of possibilities to profit. Below are some core revenue streams planned:

1. Protocol & Infrastructure Fees
 - ★ generate fees from decentralized applications (dApps) and interoperability solutions like trustless bridges and oracle networks.
 - ★ monetize minting, redemption, and transaction fees for algorithmic and asset-backed stablecoins (e.g., commodity-pegged tokens).
 - ★ charge fees for deploying programmable monetary systems (e.g., Chain-Cash) that enable trust-minimized expansion on top of on-chain reserves.
2. Modular Blockchain Solutions
 - ★ partner with enterprises, governments, and communities to build permissioned or hybrid blockchains, monetizing through token allocations, licensing fees, and revenue-sharing agreements.
 - ★ earn fees for enabling cross-chain liquidity, data sharing, and asset transfers between public chains and private networks.

3. Commodity & Asset Tokenization
 - ★ tokenize real-world assets (RWAs) in partnership with commodity producers (e.g., agriculture, energy), charging setup fees, transaction royalties, and insurance premiums.
 - ★ monetize tools for creating and managing on-chain reserves (e.g., Bitcoin, gold, fiat) that back elastic currencies or stablecoins.
4. Research & Hardware Partnerships
 - ★ secure grants and joint ventures for R&D in decentralized monetary systems, cryptoeconomics, and AI-driven financial instruments.
 - ★ partner with GPU/ASIC holders (e.g., AI firms, data centers) to repurpose hardware for sustainable Proof-of-Work networks, sharing revenue from block rewards.
 - ★ monetize underutilized global hardware resources via decentralized marketplaces for storage, mining, or oracle services.
5. Advisory & Ecosystem Growth
 - ★ offer consultancy to governments and institutions on deploying transparent, blockchain-backed currencies (e.g., community currencies).
 - ★ monetize SDKs, APIs, and training programs for builders creating localized monetary solutions (e.g., village tokens, inflation-resistant currencies).
 - ★ acquire equity or tokens in projects leveraging Better Money's tooling, ensuring alignment with ecosystem growth.

5 How To Join

In the first place, we need for partners to launch different experimental and then large-scale project, especially in following areas:

- ★ permissioned in usage blockchains with secure consensus from Ergo blockchain and (permissionless or permissioned) interoperability
- ★ manufacturers and owners of hardware (eg corporations having millions of GPUs for AI purposes soon to be outdated) willing to utilize them for Proof-of-Work
- ★ commodity producers and storages willing to use stablecoins to insure risks of non-delivery, improve funding by tokenizing commodities not produced yet and so on
- ★ holders of Bitcoins, commodities and other assets willing to build p2p financial tooling and trust-minimized monetary expansion tooling, to have reserves working for them

After initial projects, we will look into entities interested in building Ergo reserves with transparent and trust-minimized monetary expansion on top of.

We surely also interested in investors, but prefer smart money with good connections over just money.

References

1. “Huawei sells beef: Rwa tokenization leads to a revolutionary new international trade order.” <https://www.binance.com/en/square/post/14314926783953>. Accessed: 2025-03-25.
2. “Autolykos: The ergo platform pow scheme.” <https://www.docdroid.net/mcoitvK/ergopow-pdf>. Accessed: 2025-03-25.
3. L. Reyzin, D. Meshkov, A. Chepurnoy, and S. Ivanov, “Improving authenticated dynamic dictionaries, with applications to cryptocurrencies,” in *Financial Cryptography and Data Security: 21st International Conference, FC 2017, Sliema, Malta, April 3-7, 2017, Revised Selected Papers 21*, pp. 376–392, Springer, 2017.
4. A. Chepurnoy, C. Papamanthou, S. Srinivasan, and Y. Zhang, “Edrax: A cryptocurrency with stateless transaction validation,” *Cryptology ePrint Archive*, 2018.
5. A. Kiayias, N. Leonardos, and D. Zindros, “Mining in logarithmic space,” in *Proceedings of the 2021 ACM SIGSAC Conference on Computer and Communications Security*, pp. 3487–3501, 2021.
6. J. Zahmentferner, D. Kaidalov, J.-F. Etienne, and J. Díaz, “Djed: A formally verified crypto-backed pegged algorithmic stablecoin,” *Cryptology ePrint Archive*, 2021.
7. A. Chepurnoy and A. Saxena, “Zerojoin: Combining zerocoin and coinjoin,” in *International Workshop on Data Privacy Management*, pp. 421–436, Springer, 2020.
8. “Money creation with elastic supply via trust and blockchain assets in global digital peer-to-peer environment.” <https://github.com/ChainCashLabs/chaincash/blob/master/docs/conf/conf.pdf>. Accessed: 2025-03-25.
9. “Prism: Scaling bitcoin by 10,000x.” <https://www.youtube.com/watch?v=gTJyDtuWvUQ>. Accessed: 2025-03-25.
10. “Input-blocks for faster transactions propagation and confirmation.” <https://github.com/ergoplatform/ergo/blob/32a3088647b0a80300a1099f5cbdb414d3bd7b23/papers/inputblocks/inputblocks.md>. Accessed: 2025-03-25.
11. “Ergo sidechains and trustless bitcoin relay implementations.” <https://github.com/ross-weir/ergohack-sidechain>. Accessed: 2025-03-25.
12. “Sigma chains | revitalizing proof of work.” https://www.youtube.com/watch?v=Jj_Hg222s9Y. Accessed: 2025-03-25.
13. “Physical or digital gold: simple insurance on ergo.” <https://www.ergoforum.org/t/physical-or-digital-gold-simple-insurance-on-ergo/4715>. Accessed: 2025-03-25.
14. R. McQuaid, S. Bond, and B. Christy, “A review of local exchange and trading schemes (lets) and time banks in scotland,” 2004.