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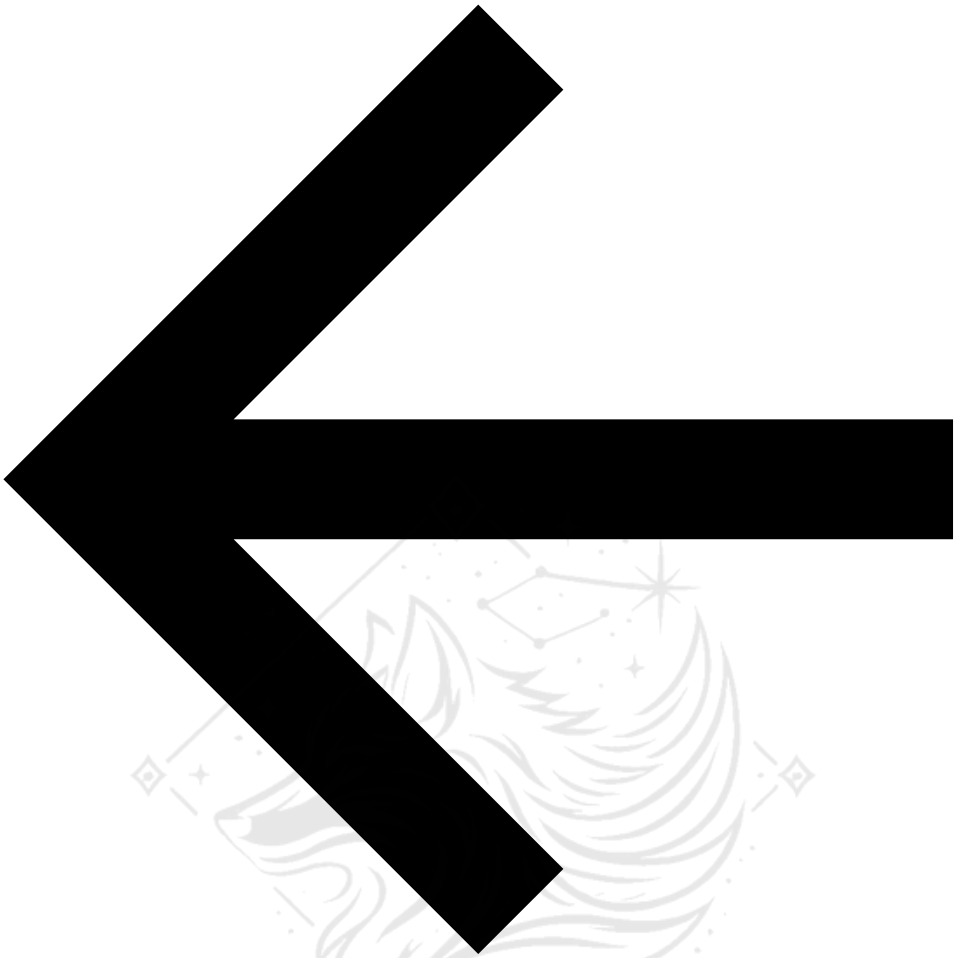
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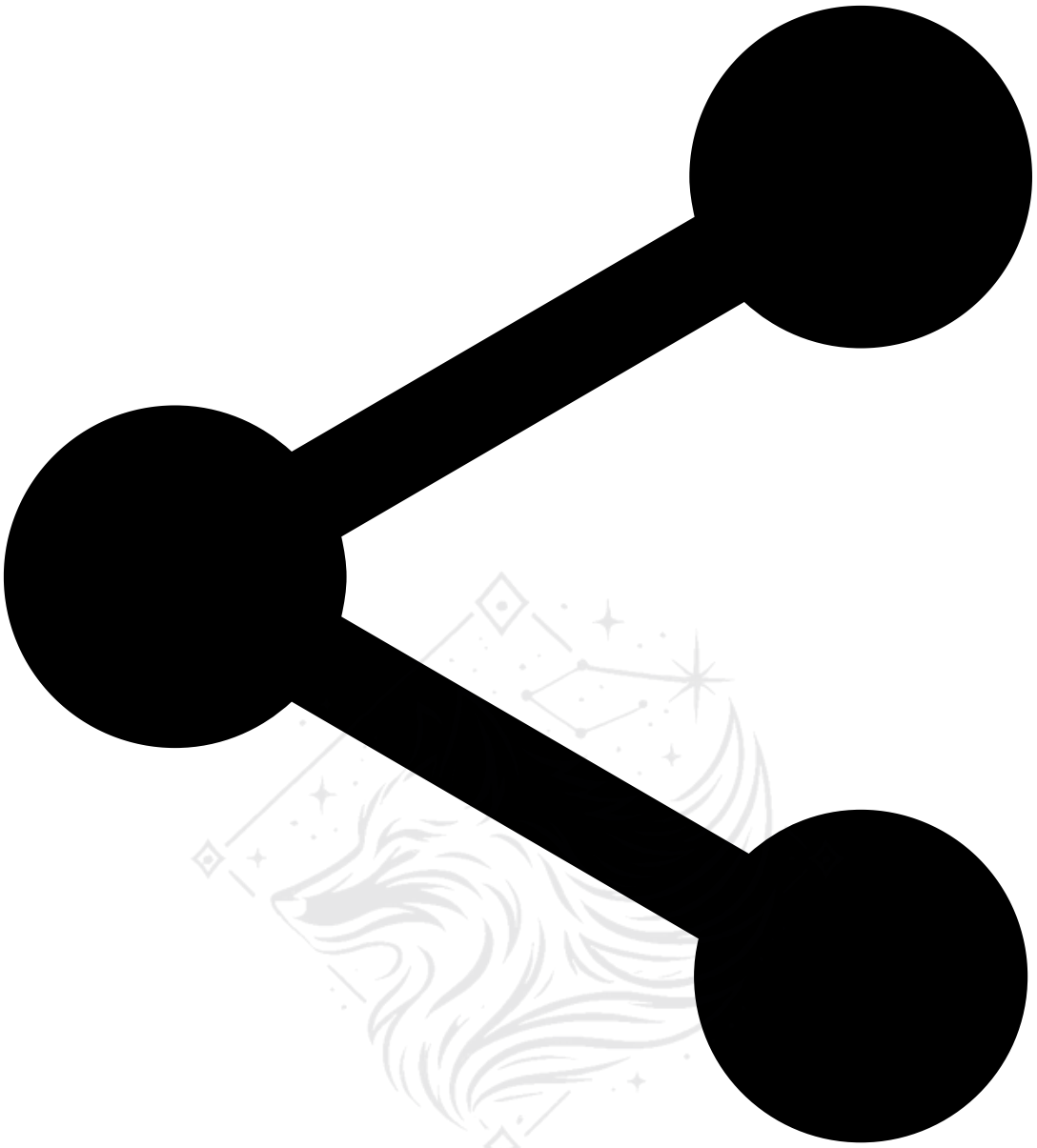
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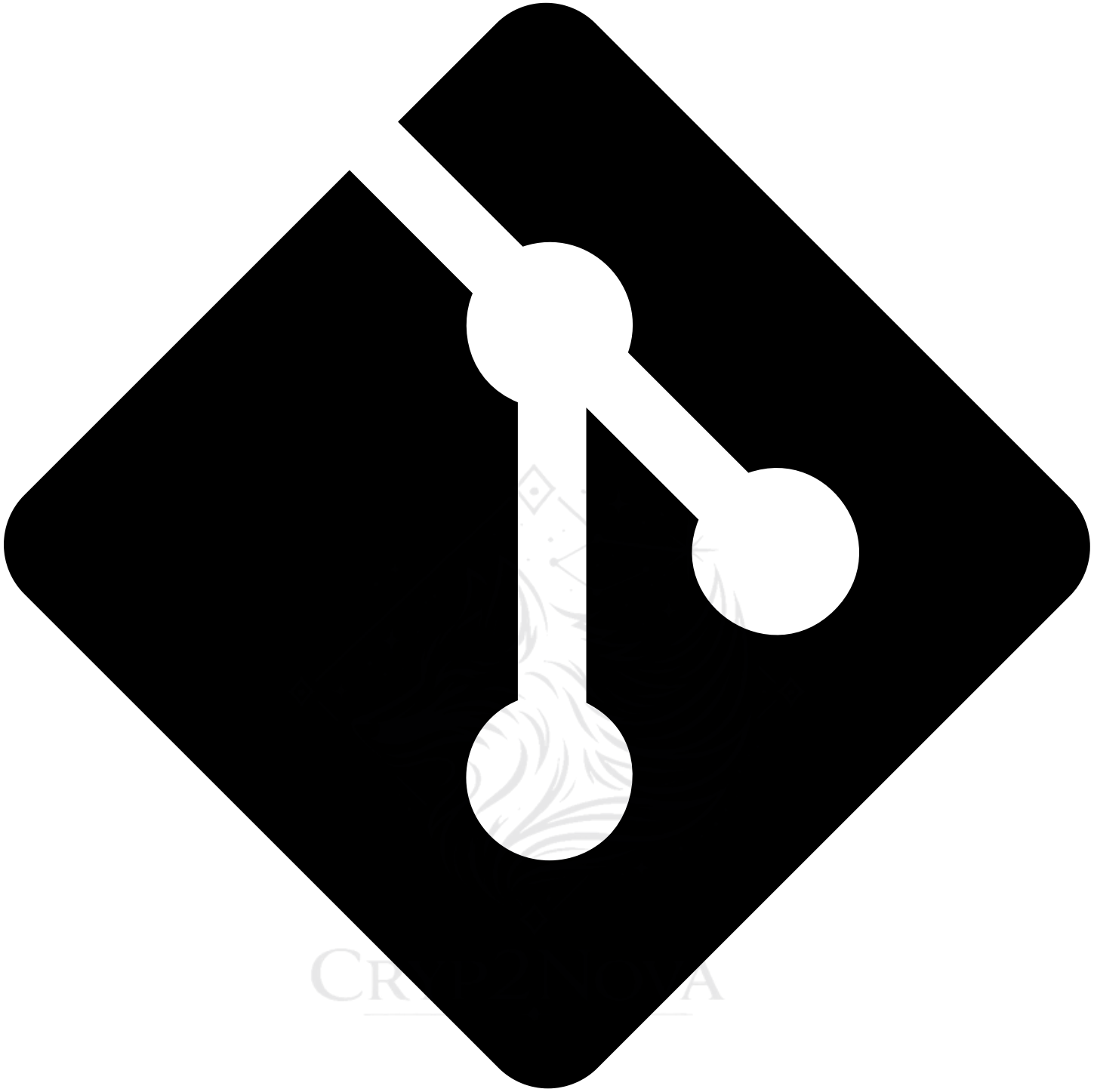
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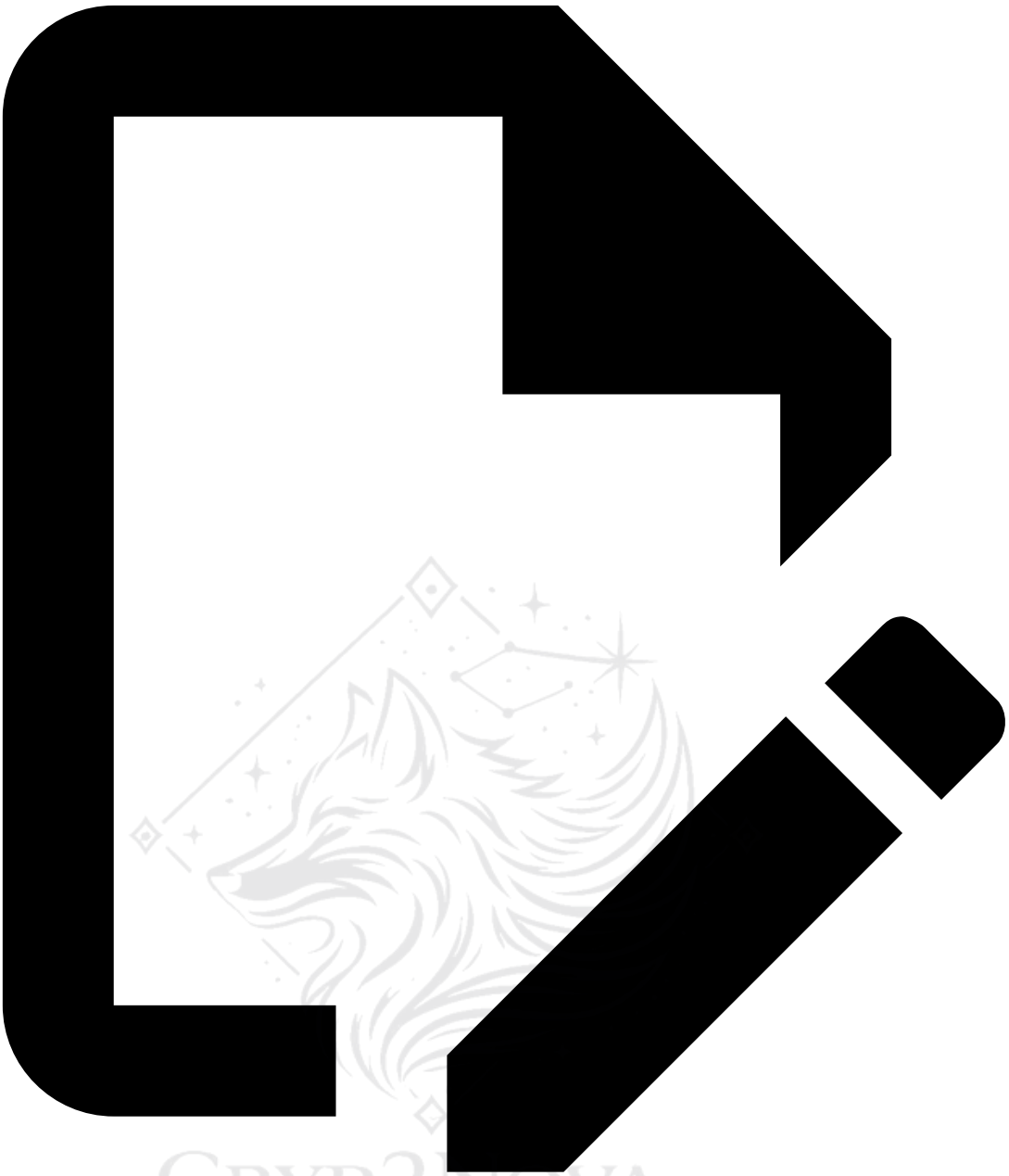
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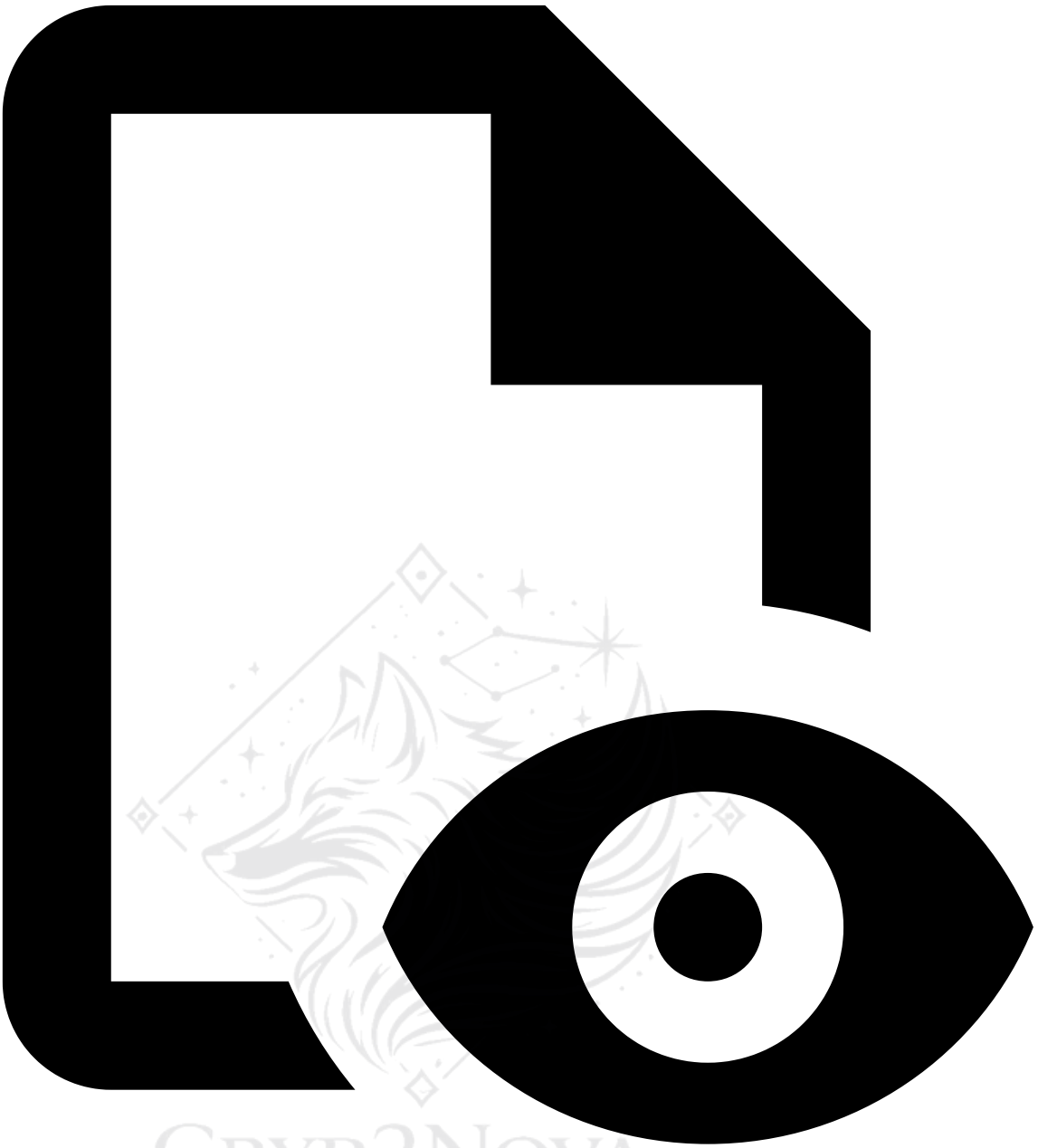
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Documents#

Ergo is following the fundamental approach and use stable well-tested solutions, even if that leads to slower short-term innovations. Most of Ergo solutions are formalized in papers presented at peer-reviewed conferences and have been widely discussed in the community.

This page contains links to documents with a general overview of Ergo platform, as well as fundamental papers underlying Ergo protocol.

Overviews#

- Whitepaper I: Ergo: The Resilient Platform For Contractual Money

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- Whitepaper II: ErgoScript, a Cryptocurrency Scripting Language Supporting Noninteractive Zero-Knowledge Proofs
- Teaser: The Ergo Platform Project Overview
- Whitepaper III: Advanced ErgoScript Tutorial

Foundational papers#

- On Contractual Money
- Improving authenticated dynamic dictionaries, with applications to cryptocurrencies
- Self-reproducing Coins as Universal Turing Machine
- Multi-mode Cryptocurrency Systems
- Multi-stage Contracts in the UTXO Model
- EDRAX: A Cryptocurrency with Stateless Transaction Validation
- Revisiting Difficulty Control for Blockchain Systems
- Storage Rent: A Systematic Approach To Cryptocurrency Fees
- ZeroJoin: Combining ZeroCoin and CoinJoin
- Soft Power: Upgrading Chain Macroeconomic Policy Through Soft Forks

Post-Mainnet#

- Bypassing Non-Outsourceable Proof-of-Work Schemes Using Collateralized Smart Contracts
- Ergo Hackathon: Crowdfunded Smart Contract Pools Research and Conceptualization
- Succinct, Non-Interactive Share Proofs (See Lithos Protocol)
- Dexy (See Dexy)
- Sigmajoin
- ChainCash
- KYA - A Treatise On Assumptions in Cryptocurrencies and Defi

Video#

Notable Youtube Appearances#

- Blockchain at Berkeley CESC2017 - Dmitry Meshkov - On Space-Scare Economy - October 17, 2017.
- Master Workshop at Amsterdam - Vasily Kharin - Autolykos: Practical Non-Outsourceable Proof-of-Work Protocol - November 17, 2018.
- Binary District Journal - Alexander Chepurnoy - Blockchain Research and Adoption – Interview - November 10, 2017.
- IOHK Research - Alexander Chepurnoy - Future technology - July 22, 2016.
- IOHK & Shanghai Jiao Tong University – Alexander Chepurnoy - Interview - March 6, 2017.
- IOHK Interview on Scorex – Charles Hoskinson, Alexander Chepurnoy - A Modular Toolbox for Cryptocurrency Research & Blockchain Technologies - August 15, 2016.

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- CTCrypt 2017 – Alexander Chepurnoy - Challenges in Blockchain Research - August 15, 2016.
- SF Scala – Dmitry Meshkov, Interview - October 4, 2017.
- NXT Cryptocurrency Explained - By Alexander Chepurnoy & Bas Wisselink at Bitcoin Wednesday Amsterdam - January 7, 2015.

Meetups and Presentations#

- Ergo Platform Presentation, Seoul - September 2019.
- Ergo Platform Presentation, Hong Kong (at Genesis Block) - September 2019.
- Ergo Platform Presentation, Ho Chi Minh - September 2019.
- Ergo Platform Presentation, Shanghai - September 2019.
- Ergo Platform Presentation, Hong Kong (at Genesis Block) - January 2019.
- Ergo Platform Presentation, Sanya, Hainan - January 2019. 2019年区块链技术大会 / 2019 International Blockchain Technology Conference (IBTC2019).

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