

## ErgoHack VI Proposal: Lithos Protocol

The Lithos team will use ErgoHack VI to show off work done on the collateralization side of the Lithos Protocol. Given that the topic of this Hackathon is CypherPunk Finance, we hope to showcase a safe, effective way to gain yield on ERG while also helping to decentralize the Ergo blockchain. Our goal is to create the contracts necessary to allow for collateralized mining pools which interface with the rest of the Lithos protocol. In addition, we plan to show a mockup UI which will allow for lenders to collateralize their ERG. Collateralized mining pools serve as the first half of the Lithos protocol, and are essential in allowing for completely decentralized block production on the Ergo blockchain. Moreover, collateralization is a safe way to gain yield on ERG with minimal risk involved. We hope that our work on collateralized mining pools will allow for greater participation in Ergo's DeFi ecosystem, while also helping the blockchain itself.