HORIZEN™

CifrisChain 2019

Hosted by:
Luca Cermelli

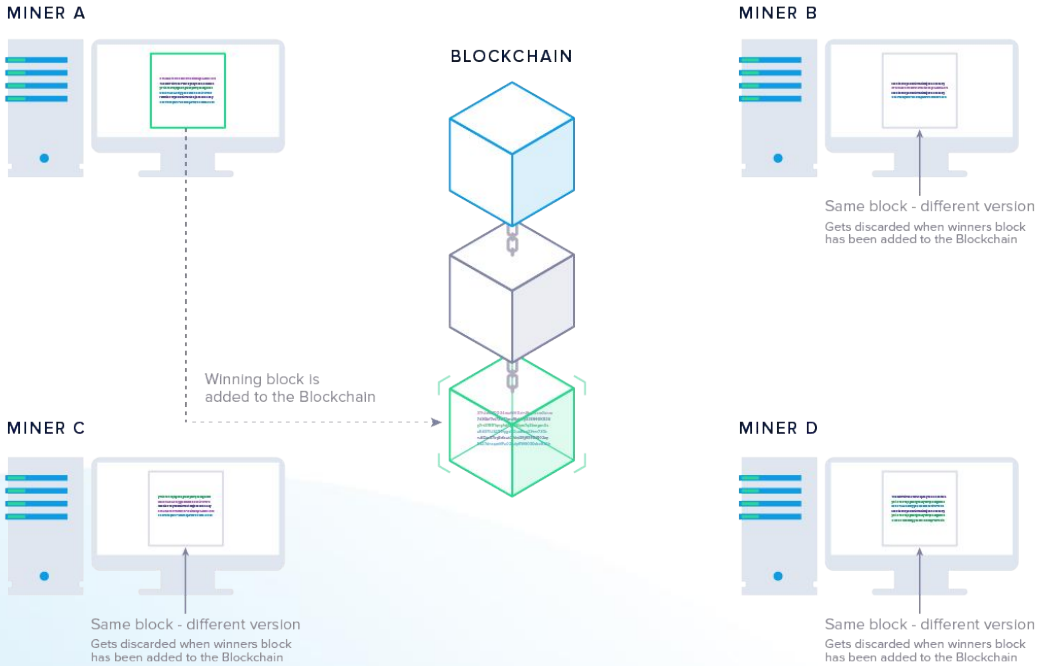
Agenda

- Underlying technology
- Crypto Ecosystem
- ICOs & Venture funding
- Horizen and ZEN
- Infrastructure
- Application Platform
- Team Horizen
- Get involved!

What is a Blockchain?

- A blockchain is like a book
- Each block is like a page
- A blockchain is used to record information like transactions
- When a block is full, a transaction will be included in the next one

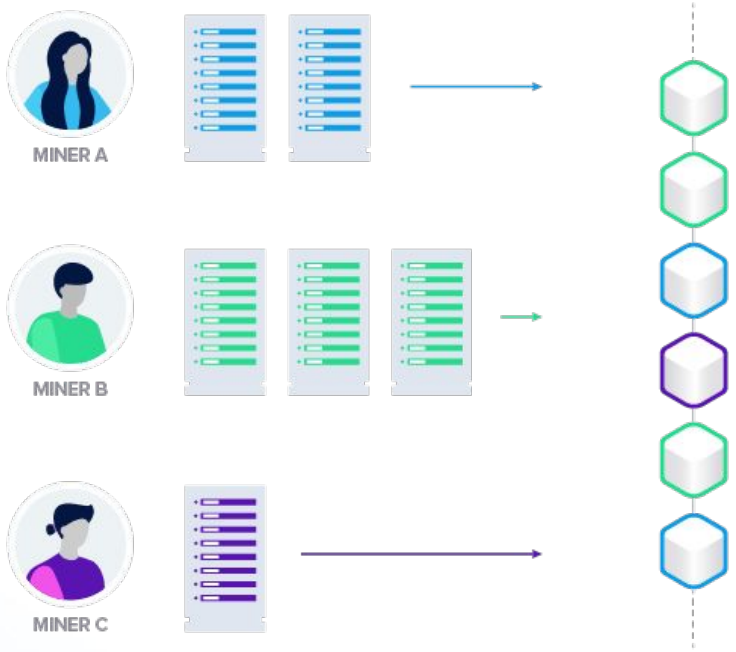
Who Writes the ‘Book’?



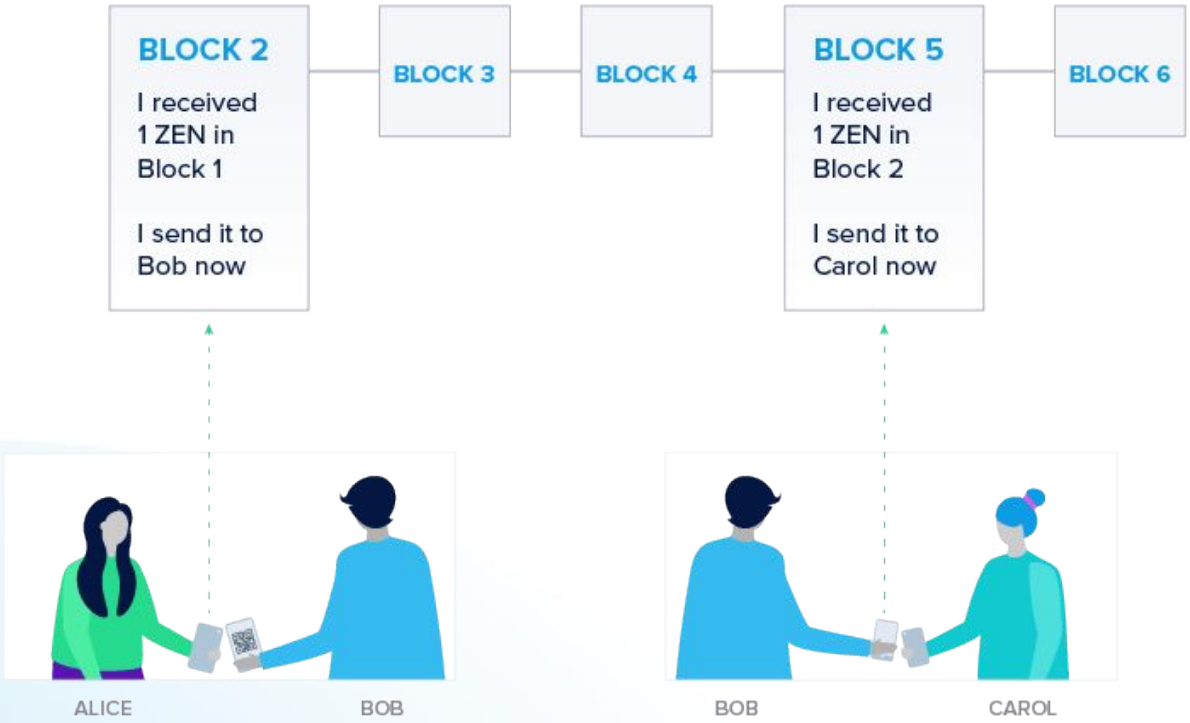
- Miners monitor the network for new transactions
- Verify and bundle transactions into blocks
- The fastest miner is the one able to add a block to the chain

Which Miner Gets to Add Their Page to the ‘Book’?

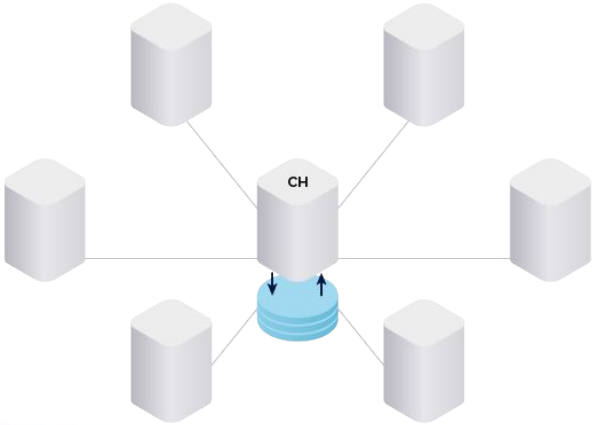
- Miners have to solve a computational task
- Solution is found by guessing solutions to that computational task (hashing)
- Chance of winning proportional to computing power



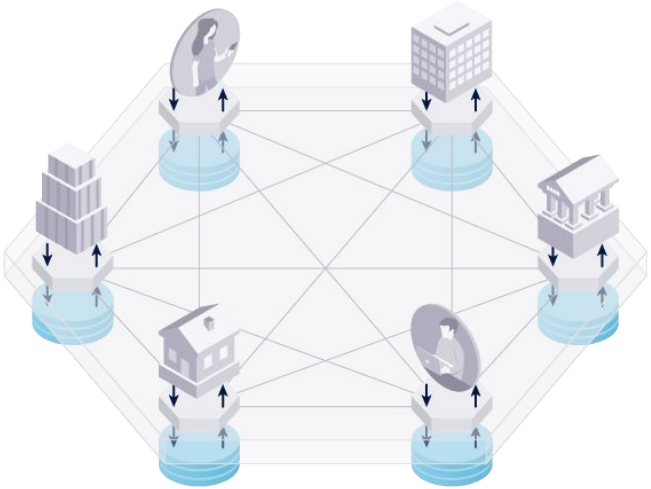
Immutable Transaction History



Why is this exciting?



Current Centralized Clearing and Settlement used by Banks

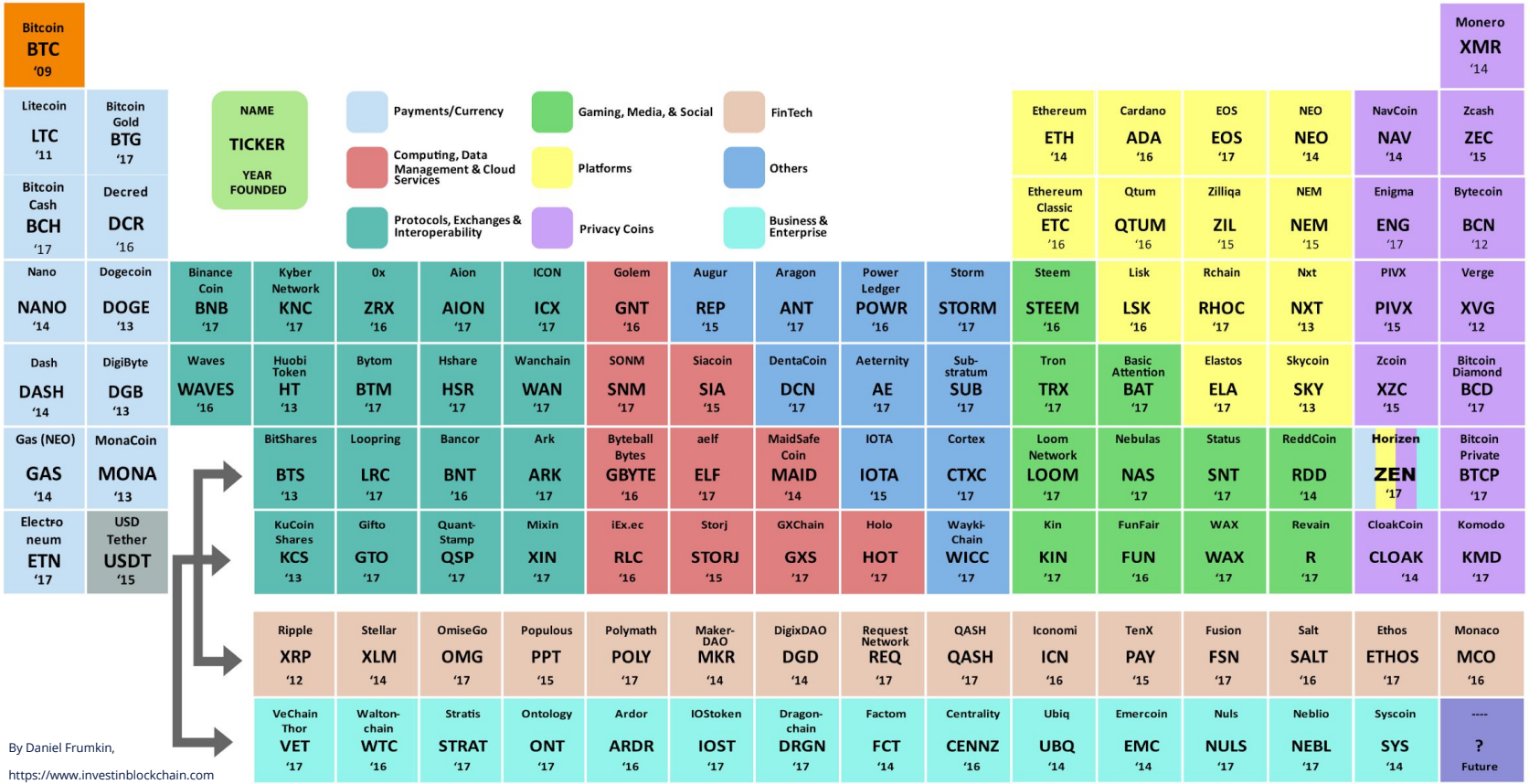


Decentralized Clearing and Settlement with Blockchain

Crypto Ecosystem

- Thousands of cryptocurrencies are available today
- New cryptocurrencies are constantly being launched, everyday
- ZEN in TOP 100
- Available on all major exchanges:

The Periodic Table of Cryptocurrencies

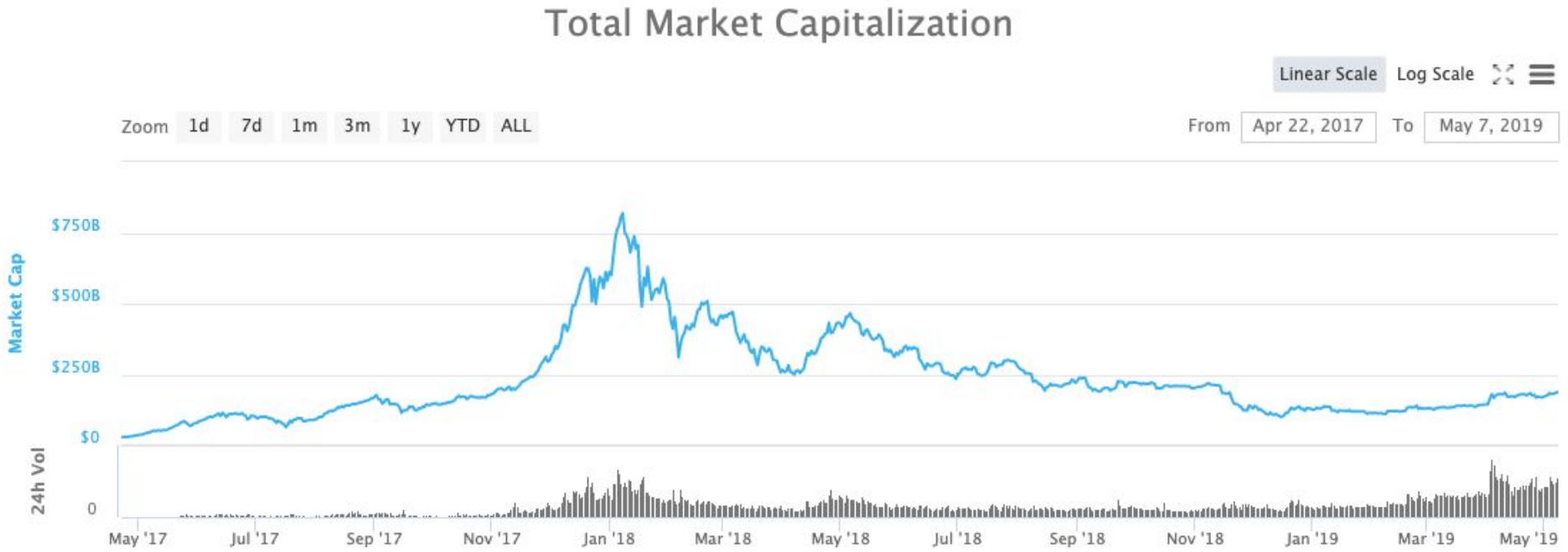


By Daniel Frumkin,

https://www.investinblockchain.com

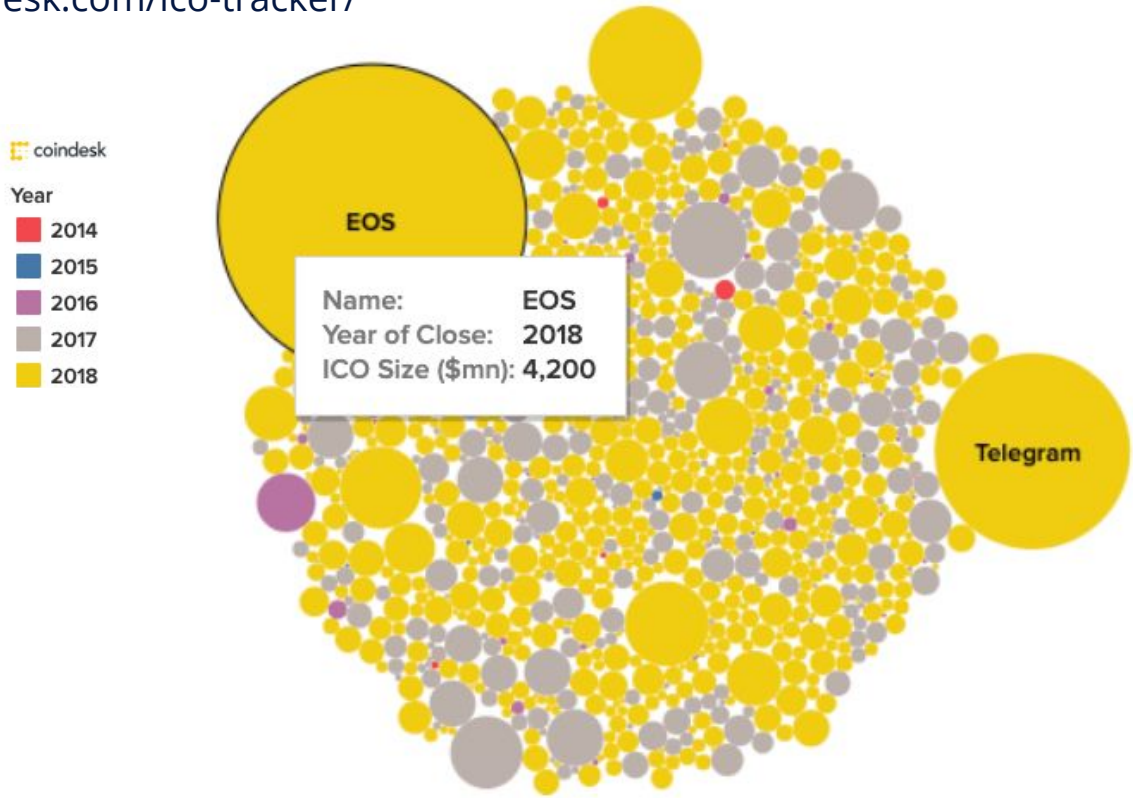
Serious Amount of Capital

https://coinmarketcap.com/charts/



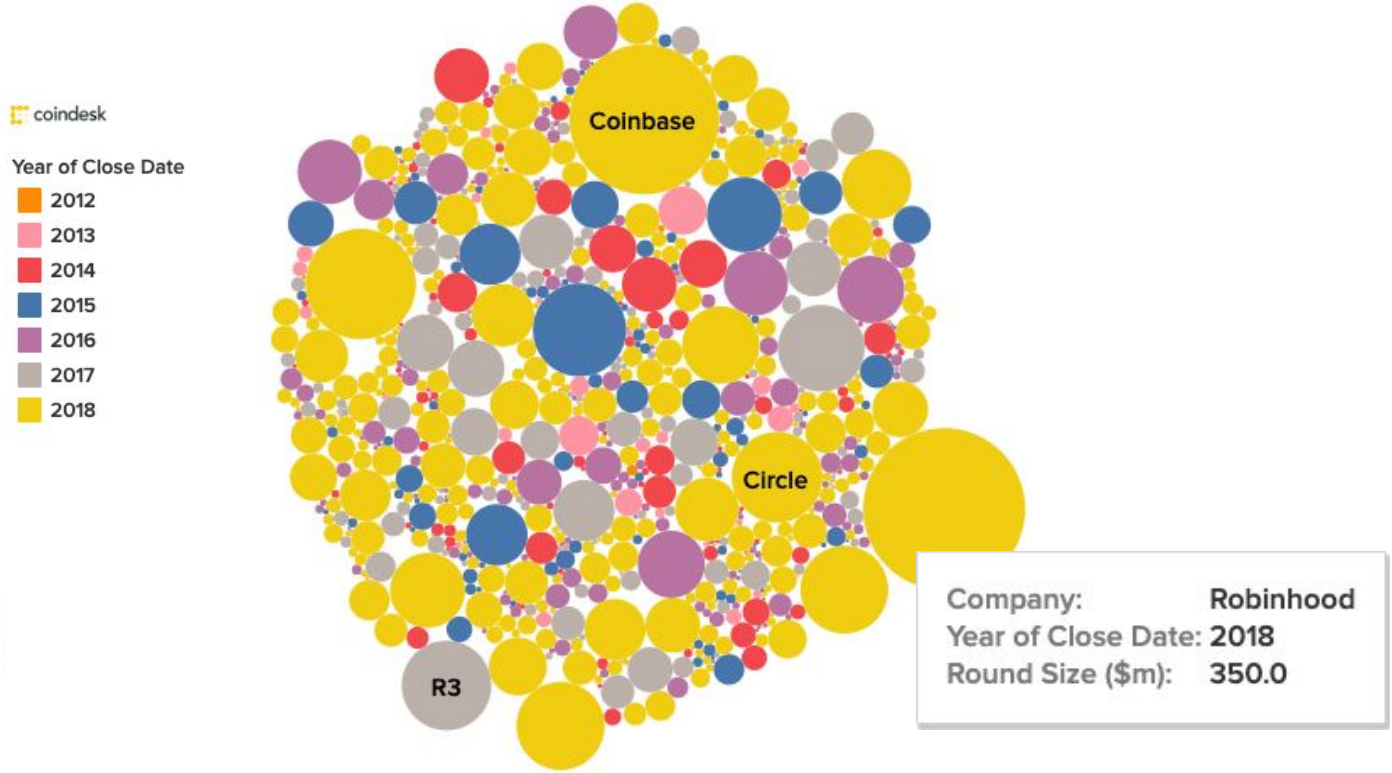
Crowdfunding Explosion

https://www.coindesk.com/ico-tracker/



Venture Funding Explosion

https://www.coindesk.com/bitcoin-venture-capital/



Why Does Horizen Exist?

Most of blockchains have serious problems:

- They are not scalable
- They are not resilient
- They don’t offer privacy options
- They can’t be used for complex applications

Horizen is adopting and developing a combination of technologies to solve these problems.

Phase 1

Currency

The Launch of ZEN

ZEN - The Currency

- Launched in May 2017 by:
  - Rob Viglione
  - Rolf Versluis
- Equihash-based PoW blockchain with sustainable funding model
- Cutting edge privacy technology ‘baked-in’
- Building upon the ideas of our peers to create an inclusive ecosystem

21 million max supply, no premine, no founders reward, no ICO

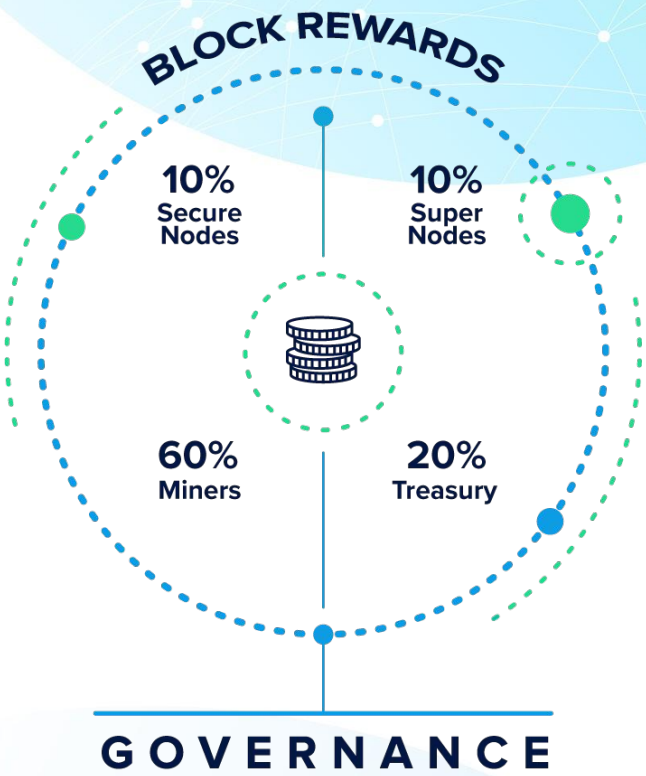
Phase 2

Infrastructure

Incentivised creation and management of infrastructure

Horizen - Infrastructure

- November 2017, Horizen launched a multi-tiered node network
  - Secure Nodes (42 ZEN)
  - Super Nodes (500 ZEN)
- One of the largest node networks in the industry
- Not your typical MasterNode system
- Infrastructure with a purpose!



Phase 3

Technology

Enabling the creation of distributed products and services

Horizen - Technology

- A **decentralized sidechain platform** for enabling business applications
- Academic research on **DAG** for scalability enhancements
- Research and development on **ZK Snark**-based technology
- Research and development on enhancements of **consensus algorithm and protocols**

Distributed Applications,
Products and Services

Technology Platform

Infrastructure

ZEN

Horizen R&D and Engineering Team

Alberto Garoffolo
Director of R&D

US TEAM

ITALY CORE TEAM

UKRAINE TEAM

HORIZEN™ TEAM

COMBINING EXPERTISE FROM AROUND THE GLOBE

Product and Engineering

Rob Viglione

Rolf Versluis

Alberto Garoffolo

Maurizio Binello

Pier Stabilini

Pierre Schiro

Franck De Girolami

Robin Guyard

Cronic

James McCourt Cordingley

Johncarlo Maddalena

Spencer Whetstone

Sergii Makukha

Vadym Fedyukovych

Nicola Onassis

Allan Dumaine

Andrey Sobol

Oleksandr Iozhytsia

Alberto Sala

Legal & Finance

Dean Steinbeck

Kirk Phillips

Jordan Bass

Cogent Law

Fenwick & West

Marketing

Rosario Pabst

Lucy Wang

Jonathan Teplitsky

Linda Bucksey

Marko Orčič

Medar

Erica Barnes

Wachsman PR

Business Development

Rowan Stone

Levis Caycedo

Arno Pfefferling

AndreasWideroe

Vano Narimanidze

Jonas Rubel

Ruben Elizondo

Hugh Ayara

Angie Villarreal

Alex Zabuga

Guan Yin

Jonghun Hong

User Experience

Gustavo Fialho

Nathan King

Tuan Ho

Operations

Luca Cermelli

Advisor

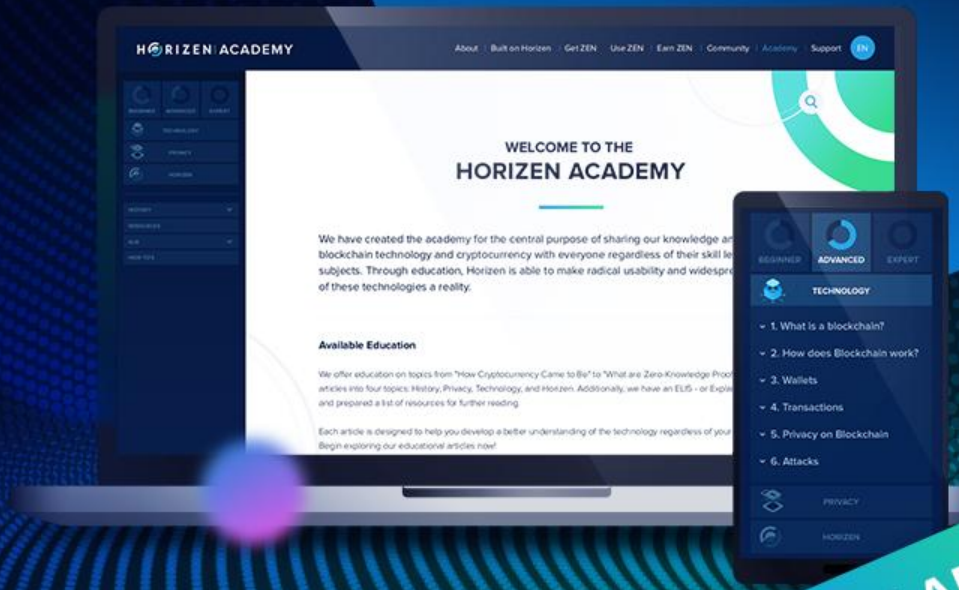
Charles Hoskinson

HORIZEN | ACADEMY

KNOWLEDGE IS POWER

EVERYTHING YOU NEED TO KNOW ABOUT BLOCKCHAIN AND PRIVACY

Start learning now:
https://academy.horizen.global



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