DeBio

Decentralized Bio Network

The Anonymous-First Appchain for Medical and Bioinformatics Data

Presented by: Pandu Sastrowardoyo (@decentricity)

https://www.debio.network

Partners

KILT

octopus network

Awards

SUSTAINABLE DEVELOPMENT GOALS

IPFS

Team

Pandu Sastrowardoyo
CEO

IT & Blockchain consultant and business leader. Former environmental engineer with bioinformatics course certificates and microbiology experience Ex-IBMer, cofounder of multiple Blockchain organizations, as seen in Forbes, CNBC, CNN, Deustche Welle, Forkast News, and many others.

Ibn Gamal Alhadid
Chief Scientist

Coordinates the DeBio.Network Advisors. Biologist, fitness professional, and wellness enthusiast. Experienced in network marketing, business development and sales throughout a wide range of industries.

Muhammad Arif Cahyowibowo
Chief Architect

Experienced Software Engineer with a demonstrated history of working in the healthcare industry and strong engineering professional skilled in SQL, Web Applications, golang, and Node.js.

Kevin Janada
Full Stack Developer with Substrate & Octopus network focus

Developer with experience in building several decentralized web applications.

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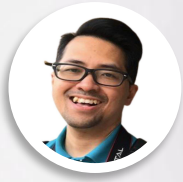
Advisors

Dr. rer. Nat Marselina Irasonia Tan

Researcher specializing in molecular and cellular biology in the biomedical science field. Experienced of cancer biology, immunology, and whole genome sequencing research.

dr. Agus Mutamakin, M.Sc

CIO of a major govt-owned hospital in Indonesia and a member of the healthcare informatics technical committee of the National Standards Bureau along with the National Telemedical Program with 15 years of experience.



dr. Hendy Wijaya, M.Biomed

Researcher with a scientific specialty in biochemistry, nutrition, genetics, and metabolic disease.

Popi Septiani, PhD

Researcher specializing in genomics and bioinformatics. Experienced in genomic data analysis and transcriptomics in the medical and agriculture fields.

Karlia Meitha, Ph.D

Researcher in the molecular biology field with interest in genome editing and the small RNAs application to support sustainable living. Writes scientific articles regarding plants, within the molecular and physiology field.

dr. Theza Pellondo'u, Sp.KF

Experienced in medical forensics, medicolegal, and bioethical fields, including assisting to solve criminal cases and ethical problems within the medical field. Previously the Chairman of Law and Ethics for a private hospital in Jakarta.

dr. Kresna Sucandra, MD

An anesthesiologist, intensivist, lecturer at medical school, and medical clinics co-founder. On the tech side, works as a blockchain development engineer and startup co-founder. Actively contribute to the blockchain ecosystem in Polkadot, Bit.Country and Covalent Ambassador program.

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Big Idea:

A Platform that Allows You To Anonymously Control and Monetize your Genetic & Biomedical Data.

Your DNA is the most valuable data you have.

Why not own it?

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Challenges to Opportunities

Companies Own and Monetized Personal Data and ID
(Consumer Reports)

Centralization of KYC'd Genetic Data leads to the Honeypot Problem
(Medium.com)

Genomic Stocks: The First Inning of Multi-year Megatrend
(Forbes)

Genetic Testing Market Will Reach USD 18.6B By 2025
(Brandessence)

47% Genetic Testing Consumers Are Very Concerned About Their Privacy
(PwC)

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Objectives

- Democratize direct-to-consumer genetics & biomedical testing
- Empower labs of all sizes
- Anonymous first, at home biomedical testing
- Privacy computing data marketplace

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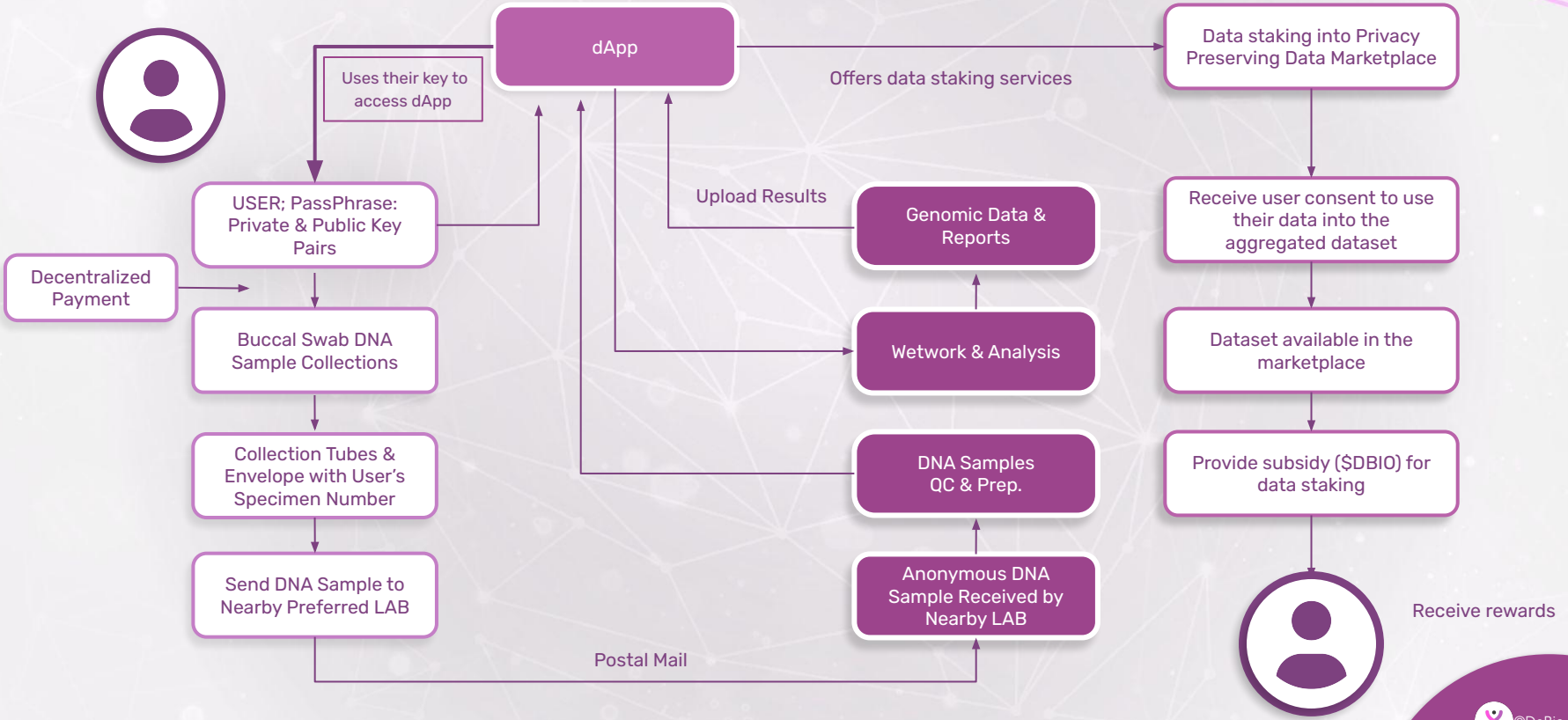
App Architecture



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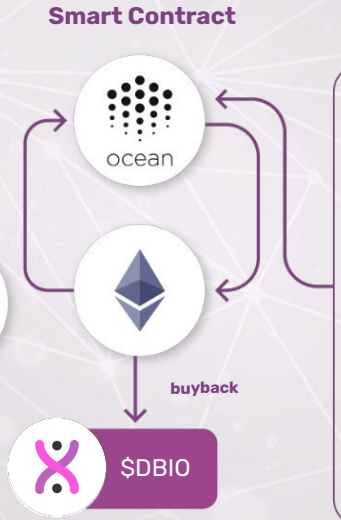
Token Model

Stable Coin:
Payment Mechanism for Users

Mainnet Coin (DBIO):
Rewards for Users

Governance Token - (GBIO subtoken)
For DAOgenics Labs/Marketplace
Earn lab fees (admin and product registration)
Earn part of product sales

Validators Incentives (DBIO)
LP reward (DBIO)



Data Tokens 1 - Genomics ($GENE)
- Given to purchasers of data products

Data Tokens 2 - Electronic Medical Records ($EMR)
- Given to hospital accessing patient records

Data Tokens 3 - Biomed (Multiple Types) ($MED)
- Given to purchasers of data products

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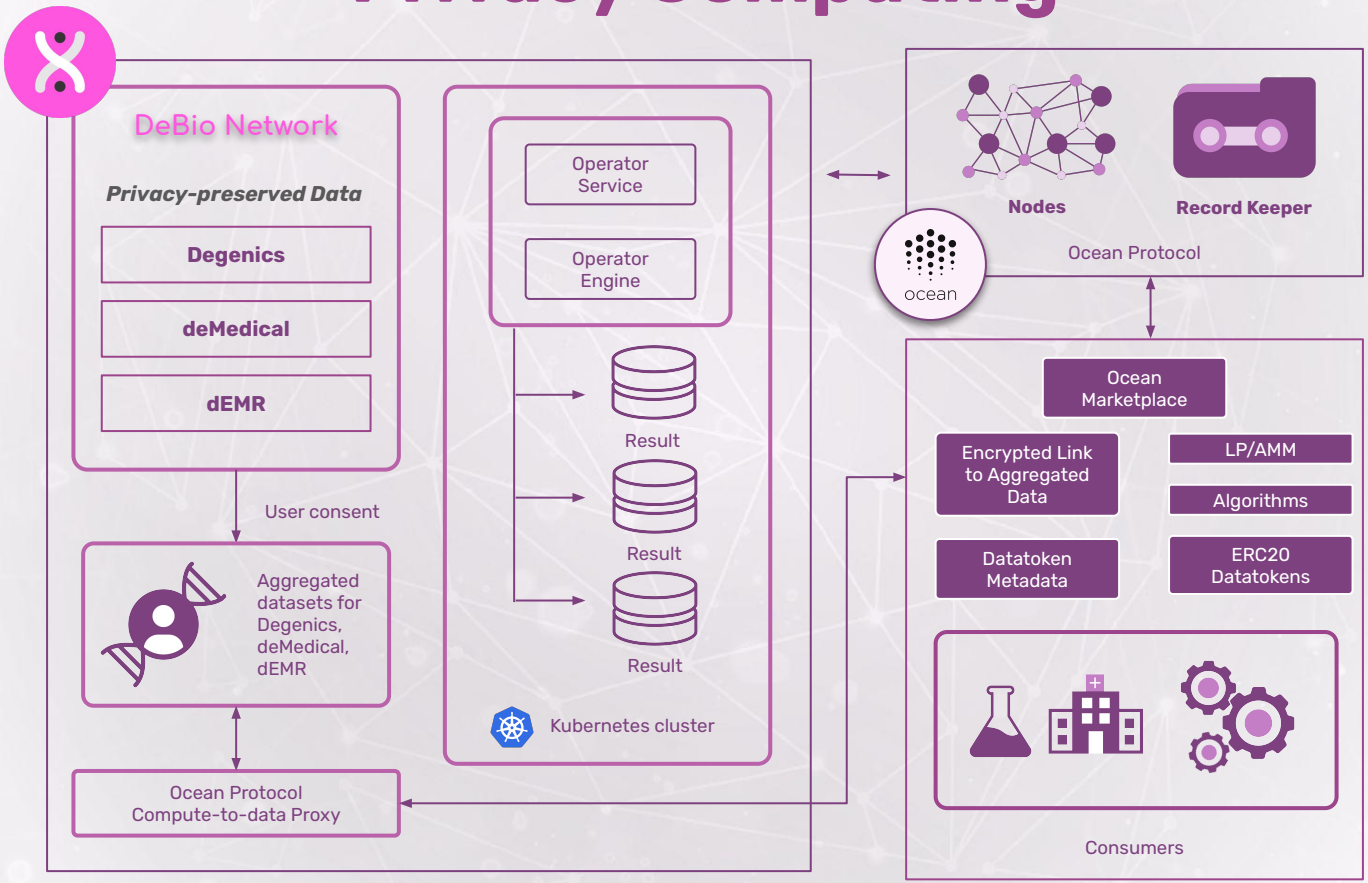
Privacy Computing



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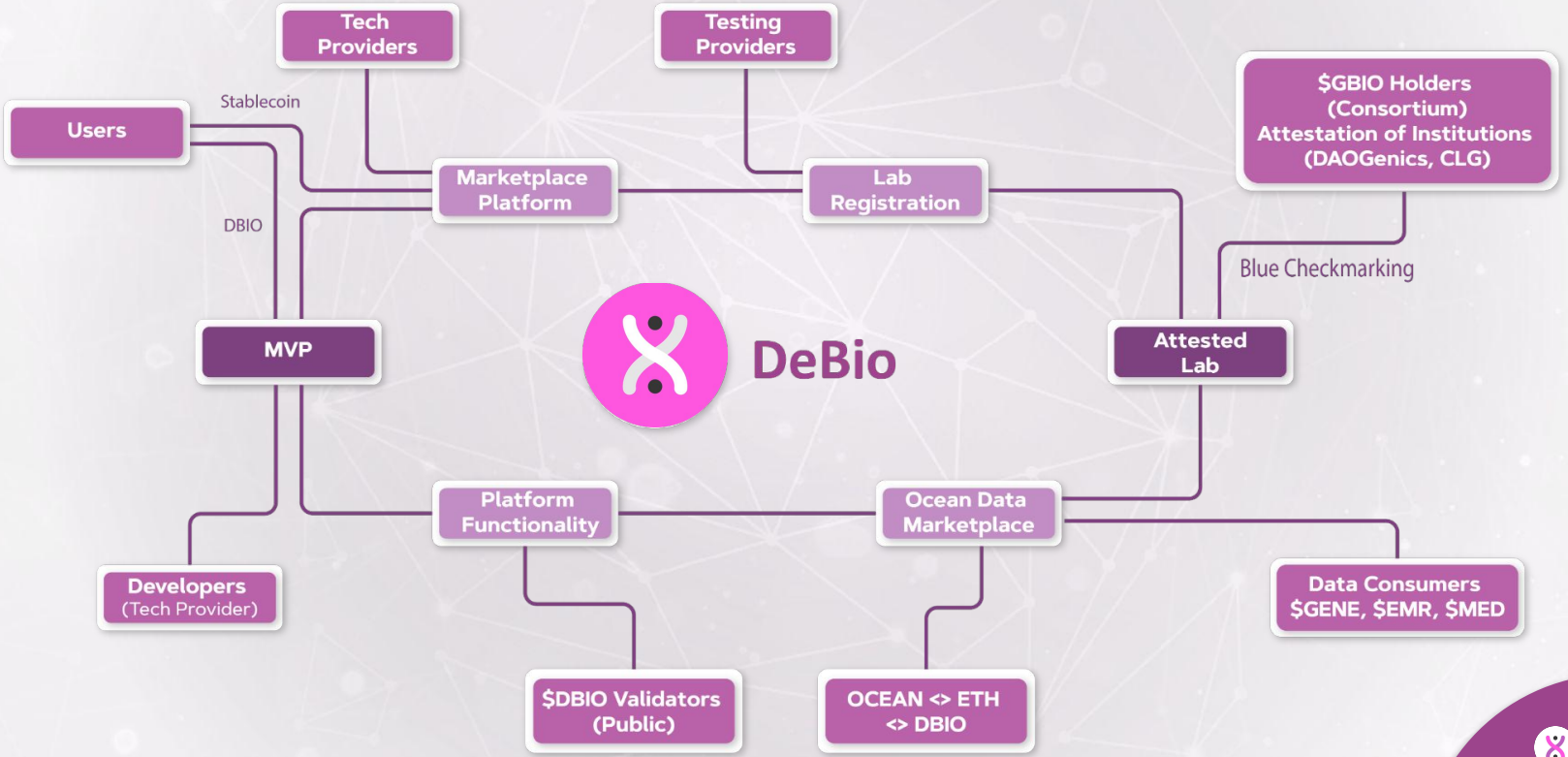
Economic Flywheels Analysis



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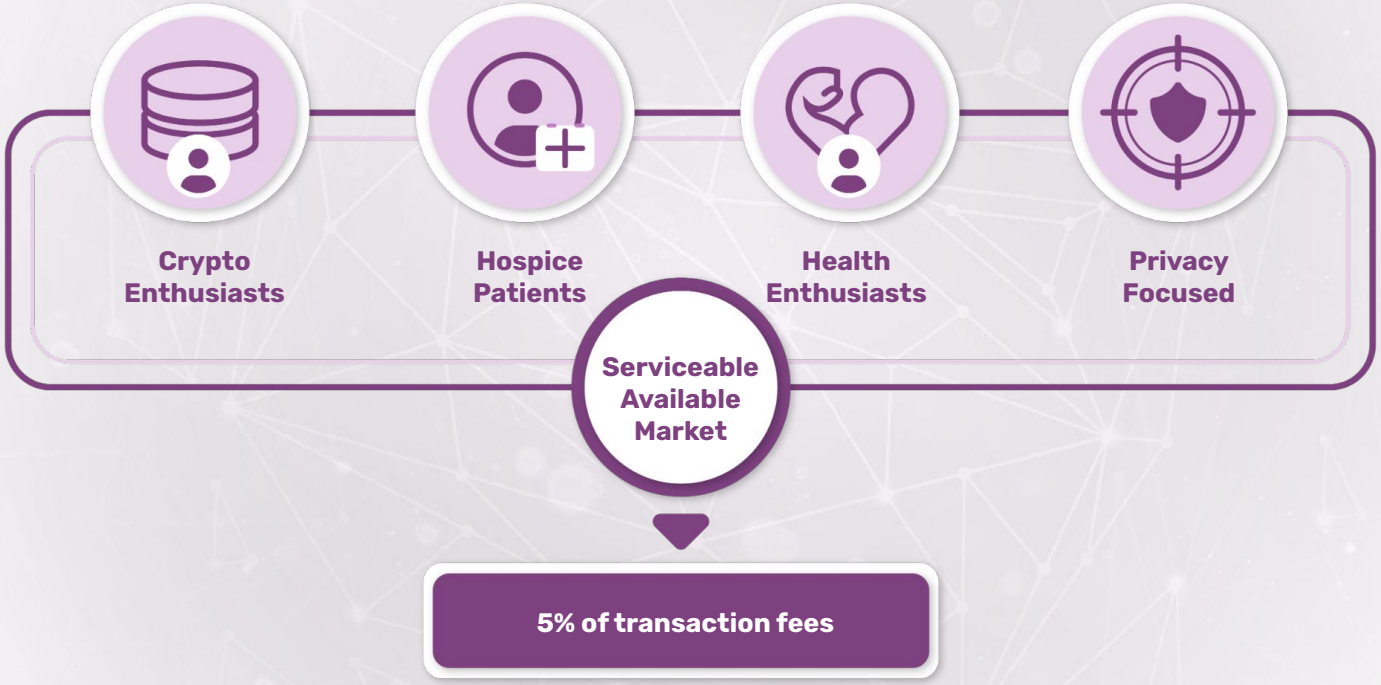
Market Segments / Revenue Streams



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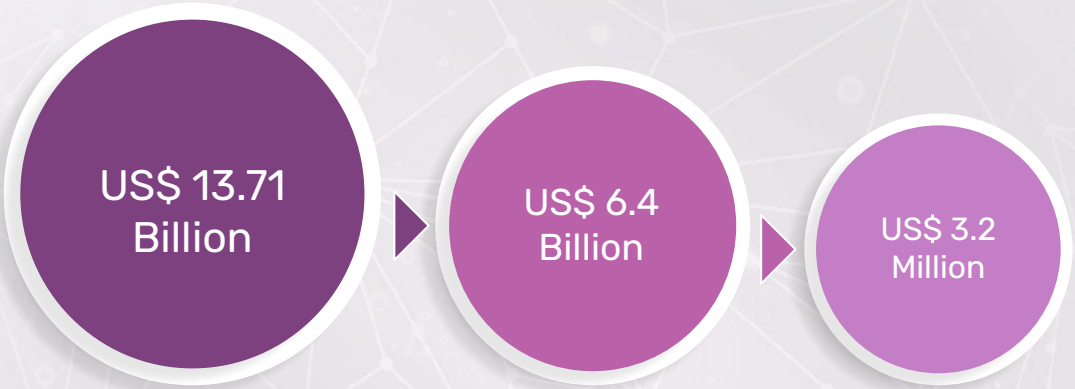
Market Potential



Estimated value of global bioinformatics market size in 2021

2021 Serviceable Available Market

Users that value personal privacy and data sovereignty.*

DeBio Yearly Revenue Potential

Market Share times **fee**
DeBio Market Share Projection based on 1% of the entire **S.A.M.,**
and the revenue from user and labs is assumed to be 5%.**

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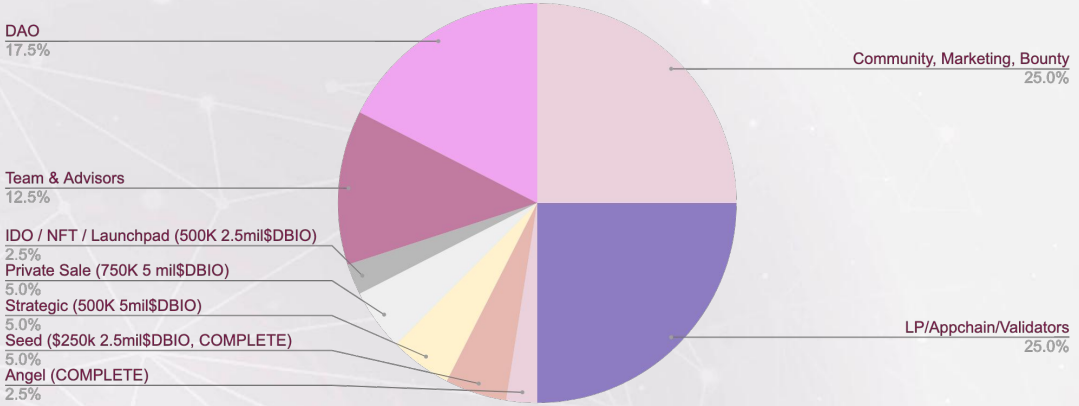
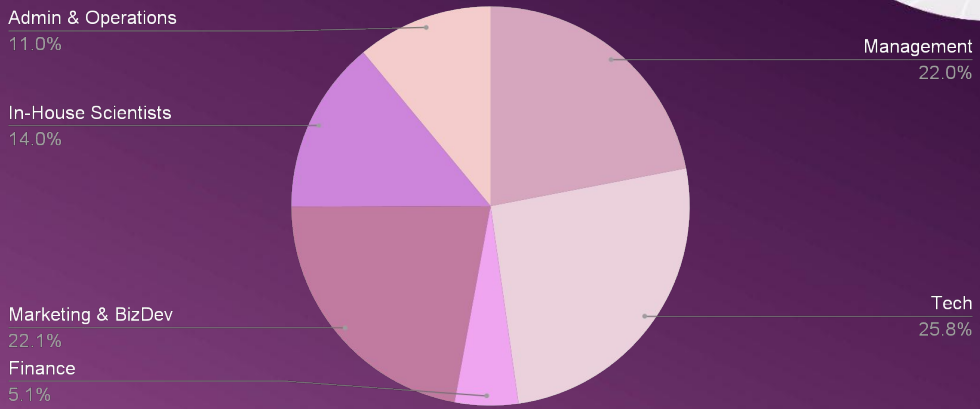
Token Distribution



Budget Allocation



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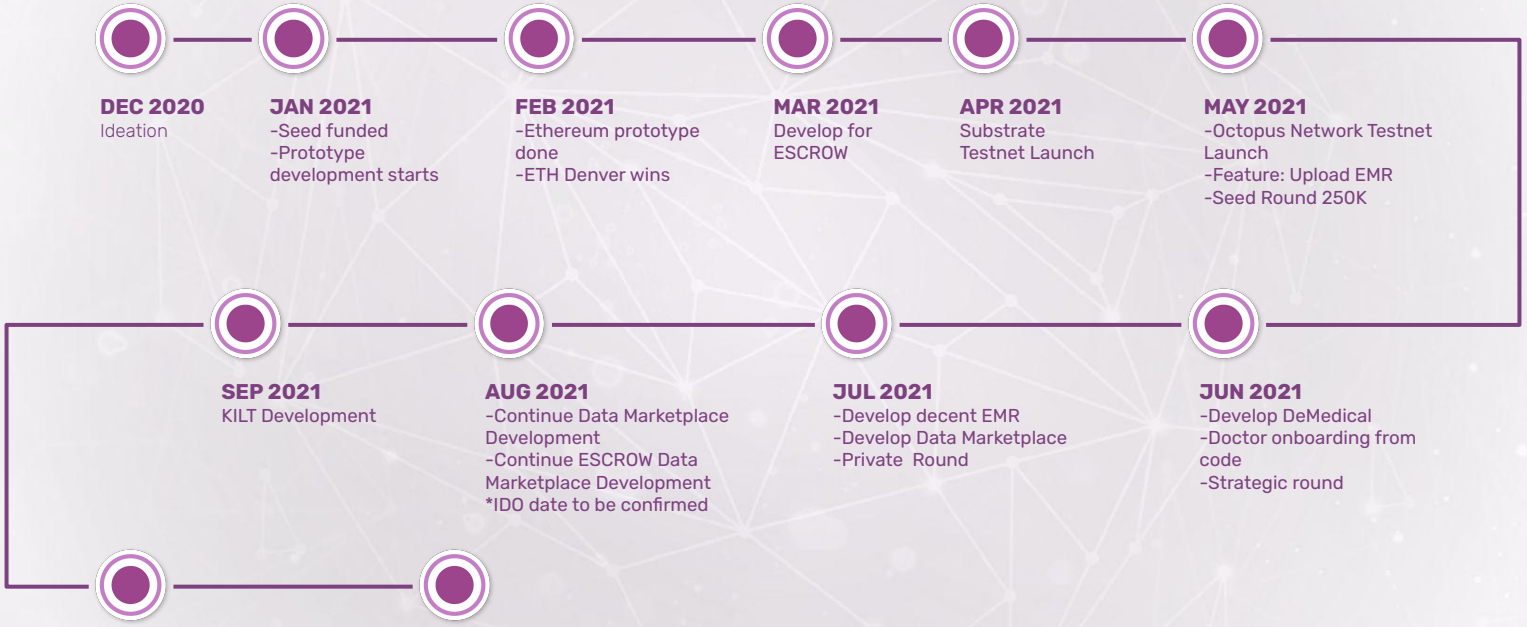
Roadmap



DEC 2020
Ideation

JAN 2021
-Seed funded
-Prototype development starts

FEB 2021
-Ethereum prototype done
-ETH Denver wins

MAR 2021
Develop for ESCROW

APR 2021
Substrate Testnet Launch

MAY 2021
-Octopus Network Testnet Launch
-Feature: Upload EMR
-Seed Round 250K

JUN 2021
-Develop DeMedical
-Doctor onboarding from code
-Strategic round

JUL 2021
-Develop decent EMR
-Develop Data Marketplace
-Private Round

AUG 2021
-Continue Data Marketplace Development
-Continue ESCROW Data Marketplace Development
*IDO date to be confirmed

SEP 2021
KILT Development

OCT 2021
-KILT Development
-Mainnet test launch ready, on Octopus Network

JUN 2022
Further development of marketplace / datatokens
Marketing expansion to onboard more users and labs
Additional B2B collaboration exploration

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A Partner of

KILT

A Member of

DIYbio sphere
Connecting DIYbio Worldwide

Technology partner

BlockSphere

Built on

ocean

NEAR

octopus network

Awards

SUSTAINABLE DEVELOPMENT GOALS

IPFS

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Thank You!

Try the demo
Demo.debio.network
See the code
github.com/debionetwork

Download deck and whitepaper at
debio.network

Join our Telegram Group
https://t.me/debionetwork

Contact us
ceo@debio.network