

IOTA Community Logo

IOTA

The distributed communication layer of tomorrow

DISCLAIMER:
NO FINANCIAL ADVICE WILL BE GIVEN IN THIS PRESENTATION



Index

What today is about

- whoami/whoarewe
- IOTA Libraries
- The IOTA Foundation
- Use Cases

Index

What today is about

Sponsored by

SPACE FOR SPONSOR LOGOS

- whoami/whoarewe
- IOTA Libraries
- The IOTA Foundation
- Use Cases

whoami/whoarewe

Name Surname

Your Title - yourwebsite.com

Following distributed ledger technology since 2011

Love free and open source software

- Project with local company
-
-
-



*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

whoami/whoarewe

Name Surname

Your Title - yourwebsite.com

Following distributed ledger technology since 2011

Love free and open source software

- Project with local company
-
-
-



*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

whoami/whoarewe

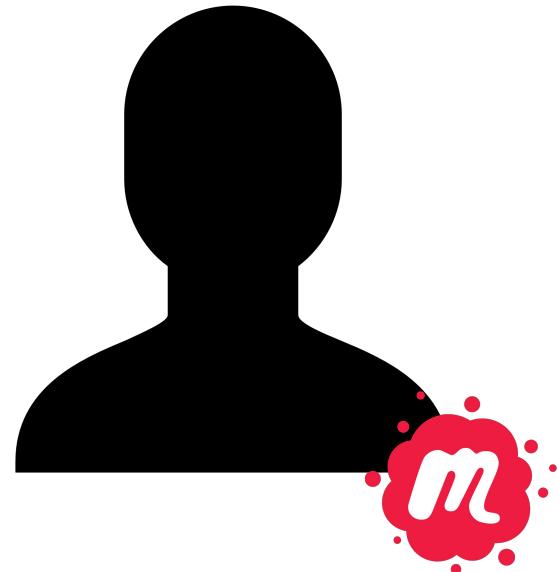
Name Surname

Your Title - yourwebsite.com

Following distributed ledger technology since 2011

Love free and open source software

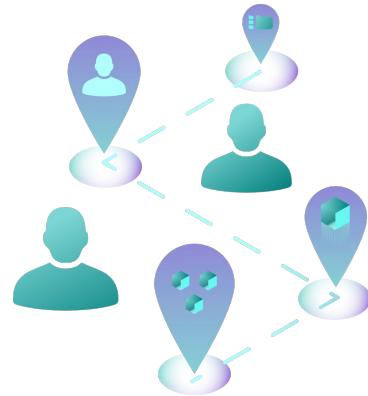
- Project with local company
-
-
-



*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*



Technology



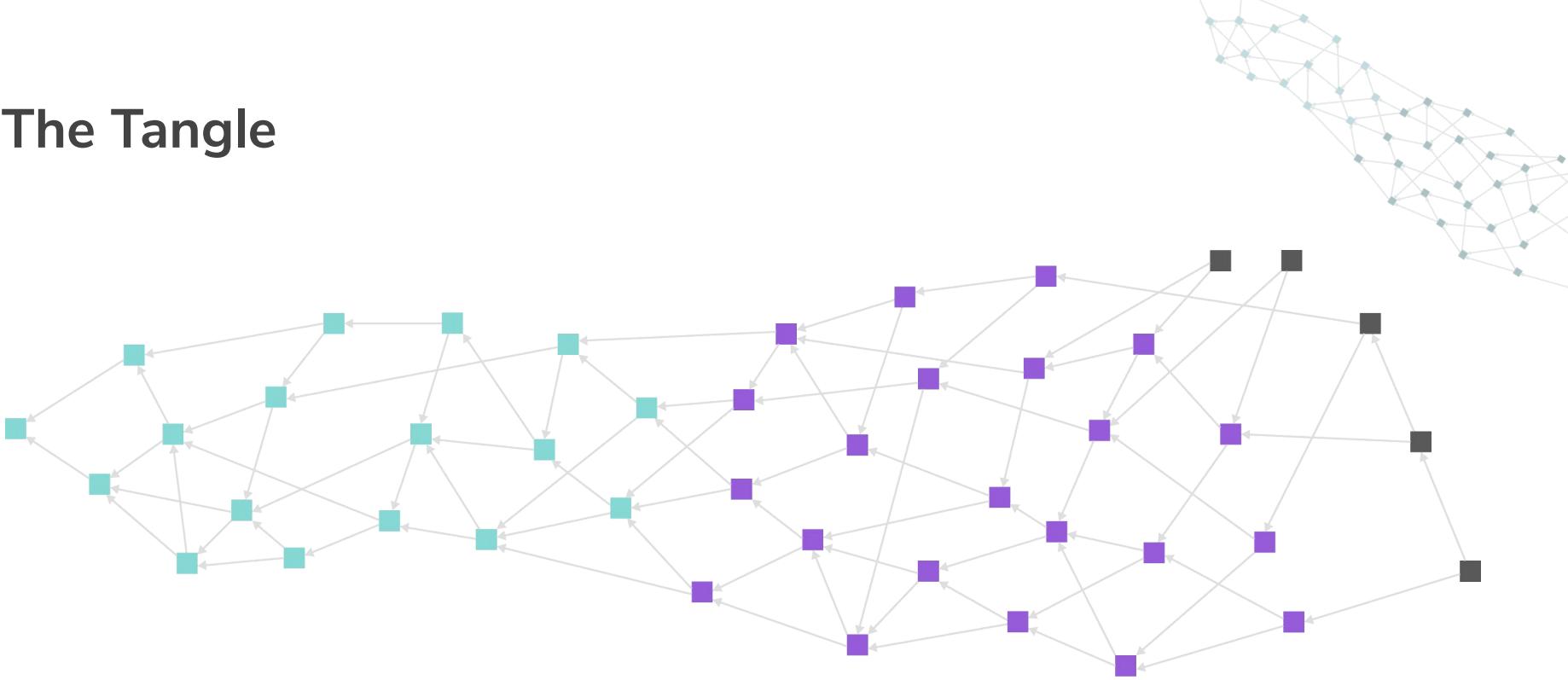
Governance



Ecosystem

*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

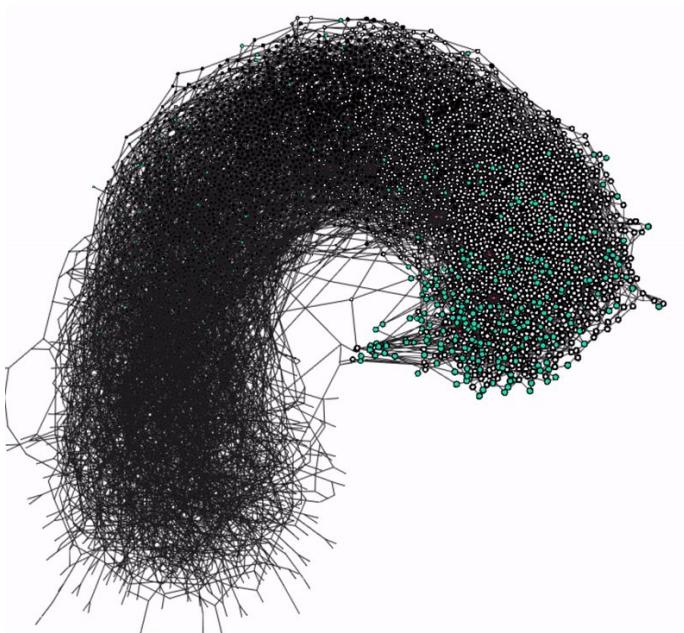
The Tangle



The Tangle is the immutable data structure that contains a history of IOTA transactions.

*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

The Tangle



The unique data structure being utilized in IOTA

Directed Acyclic Graph (DAG)

Scalable distributed framework for transactions

Transactions can hold data, value or both

Consensus

*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

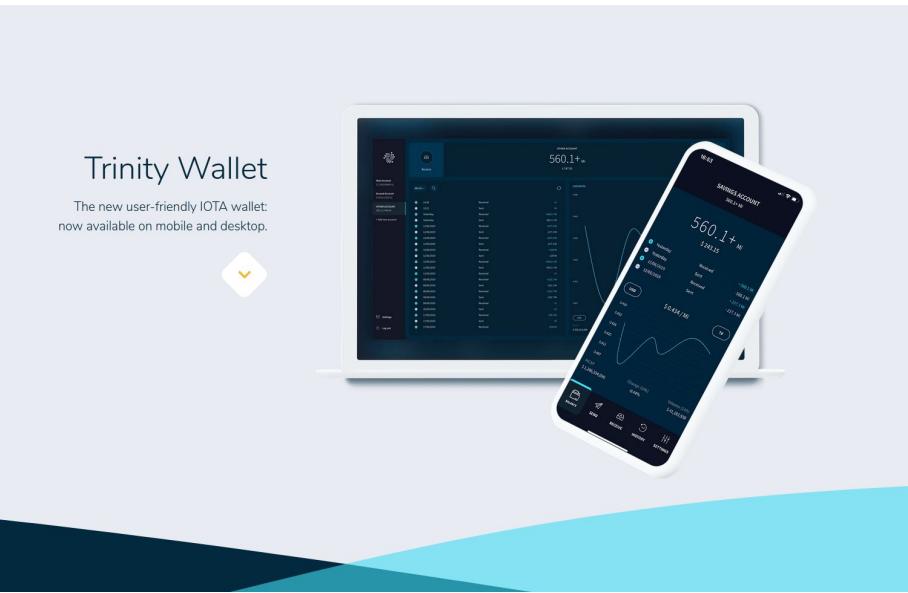
Trinity



<https://youtu.be/kSHNwvQhDUY>

*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

Trinity



Available on MacOS, Windows,
GNU/Linux, Android, iOS

Desktop versions with Ledger Nano
S and X support

Download at
<https://trinity.iota.org>

*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*



Trinity

About the Security Audit

Trinity has been audited by [SIXGEN](#) across all mobile and desktop platforms. The full audit report can be found [here](#).

Previously, the wallet has also been audited by [accessec GmbH](#), with further assessment and threat modelling by [Cyber Security Lab](#). Those reports can be found [here](#) and [here](#).

As with all cryptocurrency wallets, we make no guarantees regarding the wallet. This wallet is to be used at your own risk.

The Trinity wallet is open sourced and published on [Github](#).



Open Source:

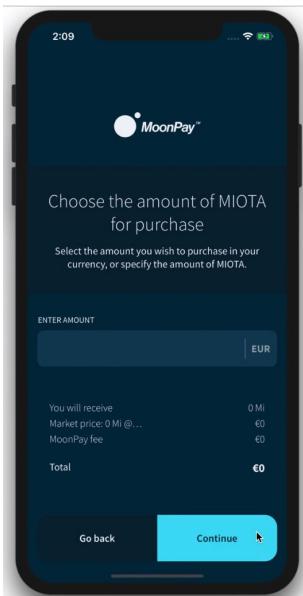
<https://github.com/iotaledger/trinity-wallet>

Two security audits



*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

Trinity - 3rd party integration



FIAT/IOTA onramp

Seamless user experience for purchasing the IOTA Token

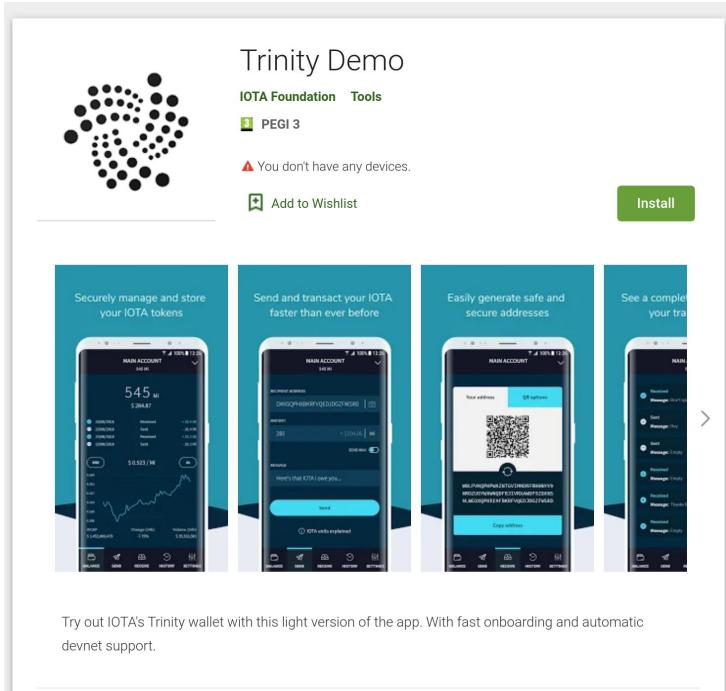
Test case to explore how non-traders will acquire IOTA Tokens in the future, without exchanges

<https://thumbs.gfycat.com/BitesizedWelltodoLaughingthrush-mobile.mp4>



*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

Trinity - Demo Wallet



The image shows the landing page for the Trinity Demo Wallet. At the top left is the IOTA logo. To its right is the text "Trinity Demo". Below that are links to "IOTA Foundation" and "Tools", and a PEGI 3 rating icon. A red warning message "⚠ You don't have any devices." is displayed. Below it is a green "Add to Wishlist" button and a green "Install" button. The main area features four screenshots of the app interface: 1. "Securely manage and store your IOTA tokens" showing a dashboard with a balance of 545 MI and a graph of token value over time. 2. "Send and transact your IOTA faster than ever before" showing a transaction screen with recipient and amount fields. 3. "Easily generate safe and secure addresses" showing a QR code and a copy address button. 4. "See a complete overview of your transactions" showing a list of recent transactions. Below these screenshots is a descriptive text: "Try out IOTA's Trinity wallet with this light version of the app. With fast onboarding and automatic devnet support." The entire landing page has a white background with a thin gray border.



Demo wallet for Android

Fast onboarding

Devnet support

*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

Spark - Burner wallet



Low-security, temporary web wallet, “burner wallet”

Fast onboarding

Build with Svelte

Devnet support

spark.iota.org

spark-devnet.iota.org

*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

IOTA Utilities



IOTA Tangle Utilities

[IOTA.ORG](#) [NEWS](#) [WALLET](#) [QUBIC](#) [DOCS](#) [ECOSYSTEM](#)

[Tangle Explorer](#) [Mam Subscriber](#) [Currency Converter](#) [Text Converter](#) [Transaction Decoder](#) [Trytes Compressor](#) [QR Code Generator](#) [QR Code Scanner](#) [Simple Transaction Sender](#) [Area Code Finder](#)

Mam Subscriber

Root

The root for the mam channel

Mode

Public



Key

The key to use in restricted mode.

Network

MainNet



RETRIEVE

STOP

*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

IOTA Utilities



IOTA Tangle Utilities

[IOTA.ORG](#) [NEWS](#) [WALLET](#) [QUBIC](#) [DOCS](#) [ECOSYSTEM](#)

[Tangle Explorer](#) [Mam Subscriber](#) [Currency Converter](#) [Text Converter](#) [Transaction Decoder](#) [Trytes Compressor](#) [QR Code Generator](#) [QR Code Scanner](#) [Simple Transaction Sender](#) [Area Code Finder](#)

Simple Transaction Sender

Attach a simple zero value message transaction to the tangle, using Proof Of Work in your browser.

Address

Address to attach the message

Message

Message in plain text

This message will occupy 1 transaction on the tangle.

Tag

Optional tag in trytes, click Show Location to use Area Code

[SHOW LOCATION](#)

Network

MainNet



[ATTACH MESSAGE](#)

*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

IOTA Utilities

[!\[\]\(fd52e7add9a442aaa4ca7017b17360c5_img.jpg\)](#)

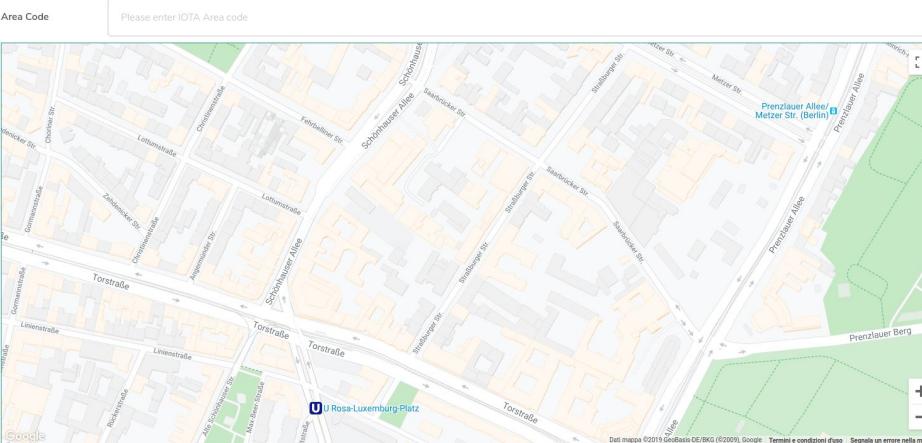
IOTA Tangle Utilities

[Tangle Explorer](#) [Main Subscriber](#) [Currency Converter](#) [Text Converter](#) [Transaction Decoder](#) [Trytes Compressor](#) [QR Code Generator](#) [QR Code Scanner](#) [Simple Transaction Sender](#) [Area Code Finder](#)

Area Code Finder

Fill in the IOTA Area Code to show it on the map, or click the map to find the IOTA Area Code.

Area Code



Dati mappa ©2019 GeodBasis DE/BKG (©2009), Google [Termini e condizioni d'uso](#) [Segnala un errore nella mappa](#)

[RESET](#) [MY LOCATION](#)

*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

Use-Cases



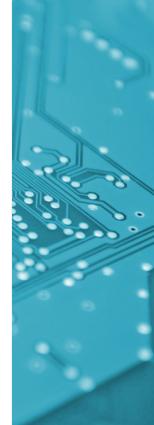
Telecom

- Payments
- Settlement
- Data Sharing
- Data Integrity
- Identity Management



Mobility

- Smart Charging
- Over-the-Air Updates
- Car ID & Wallet
- Cars as Autonomous Economic Agents
- Usage Based Insurance
- Car Paying for Parking



Digital Economy

- M2M Economy
- MyData & GDPR
- Biometric Authentication & Digital ID
- IOTA Data Marketplace
- Smart Factory
- Digital Twin



Smart City

- Digital ID
- Smart Energy Districts
- P2P Energy Grid
- Cross vertical
- Biometric Identification
- CityxChange Smart Cities



Supply Chain

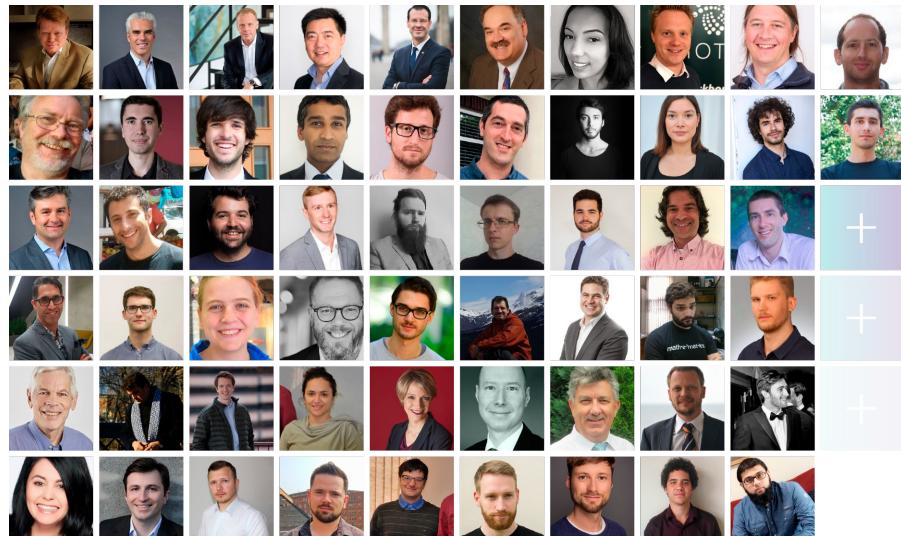
- Asset Tracking
- Connected Supply Chains
- Global Trade Document Flow
- Product Authenticity and Provenance
- Ports Management
- New Insurance Models



Social Impact

- Digital ID & Citizen Services
- Humanitarian ID
- Real-time Environmental Monitoring
- Financial Inclusion

The IOTA Foundation



**The IOTA Foundation - to
research, develop and grow
market adoption of DLT**

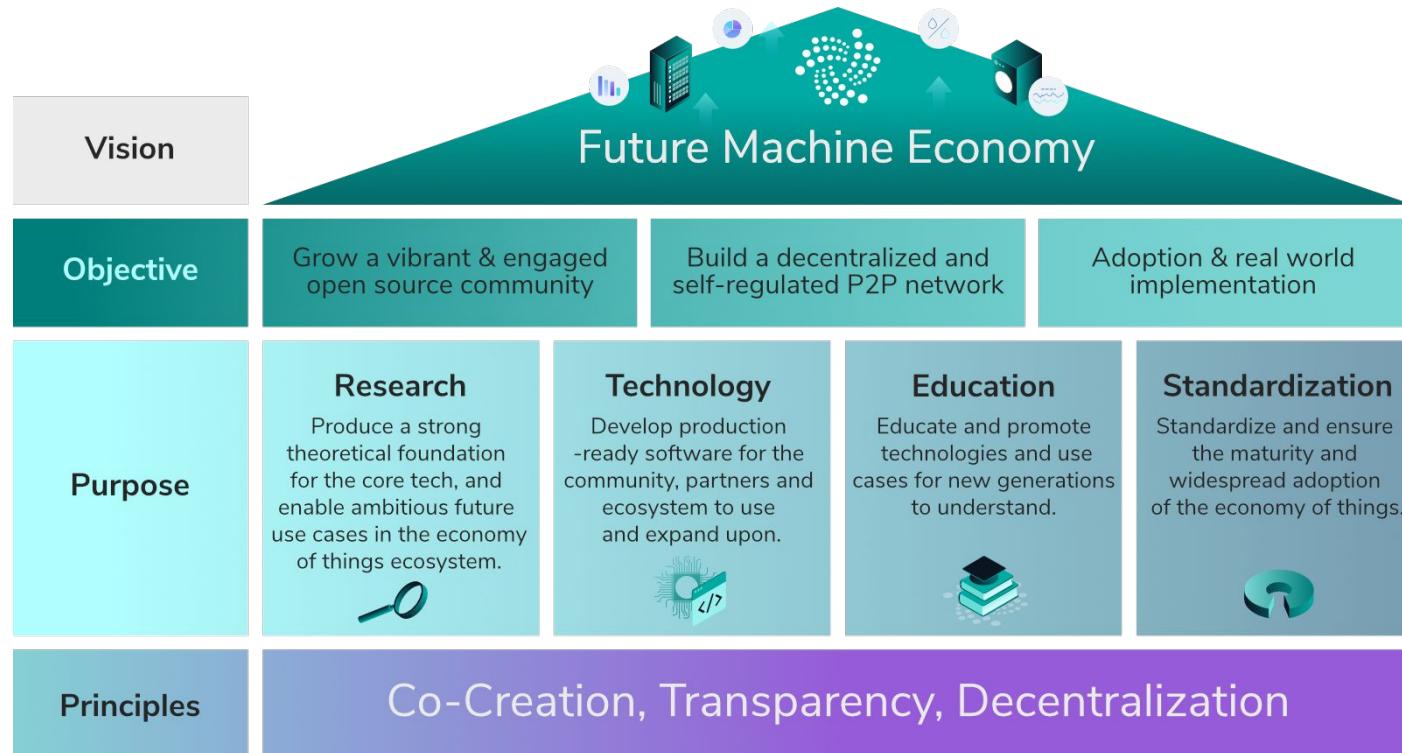
Non-profit Foundation based and regulated in
Berlin, Germany

Growth from 6 to 100+ full time employees
distributed across 27 countries

Focused on technical and regulatory
challenges of crypto-currencies & DLT

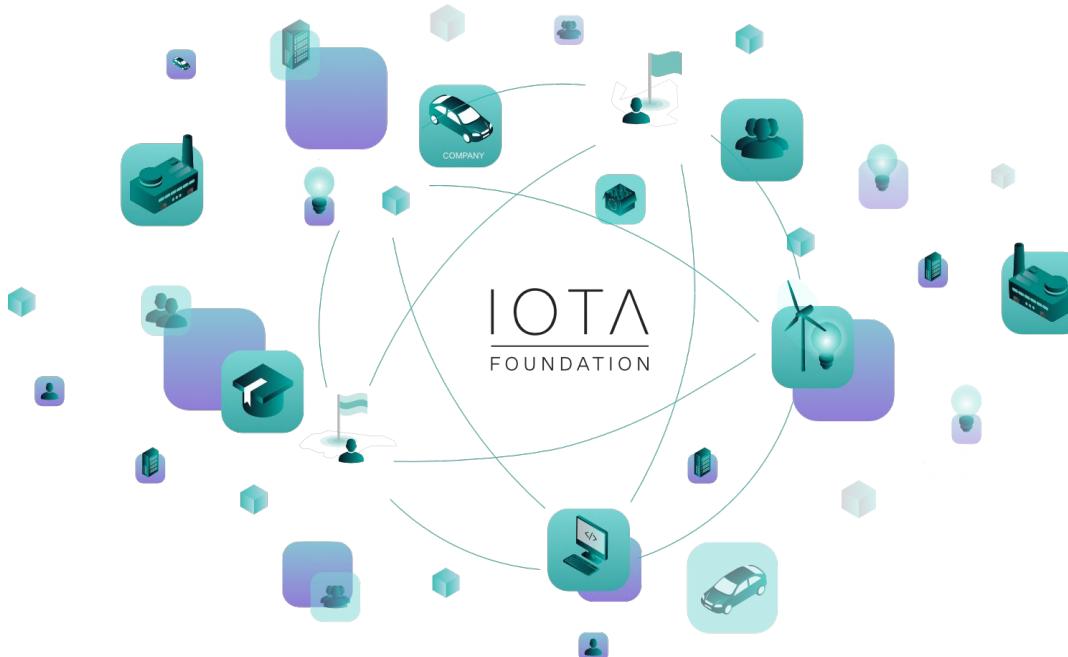
*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

IOTA Foundation - Vision & Goals



*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

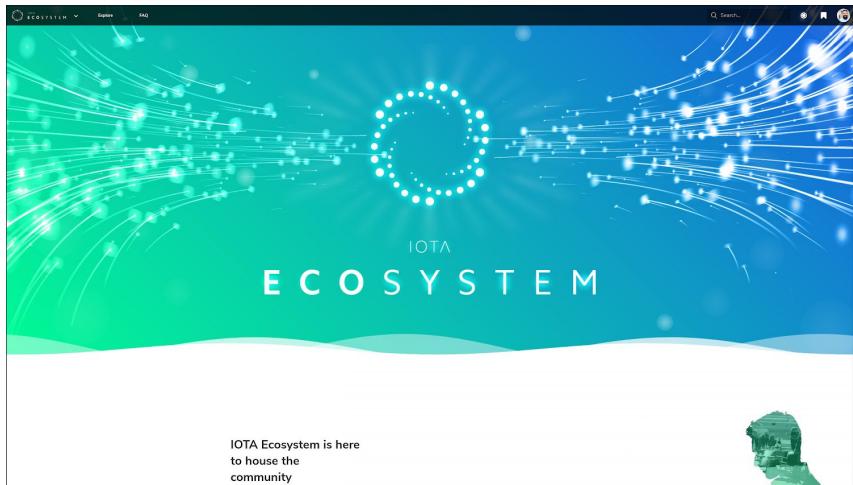
IOTA Ecosystem



Our universe relies on a network of many collaborators
– corporates, academics, governments, NGOs

*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

IOTA Ecosystem



Meet the IOTA Ecosystem

Tutorials

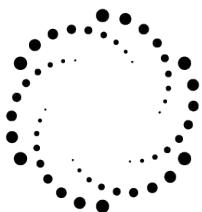
Projects

Events

Developers

*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

IOTA Ecosystem Development Fund



IOTA Ecosystem
Development **Fund**

Funding for projects in the IOTA
Ecosystem

Proof of concepts

Open source utilities and libraries

Educational resources

Media

Philanthropic endeavors

Hackathons

Ideation workshops

Meetups

*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

Coordicide Grant Program



<https://coordicide.iota.org/grants>

Research Grant

Optimization of the networking layer to avoid network congestion

Reputation system based on node behavior

Theoretical behavior of cellular automata based consensus

Theoretical properties of query-based voting schemes (e.g., FPC)

*Bottom Banner for Personal logos, webpage and IOTA Community Logo for personalisation
(please edit me in the master slides)*

AION - Selective Permanode



Selective permanode solution

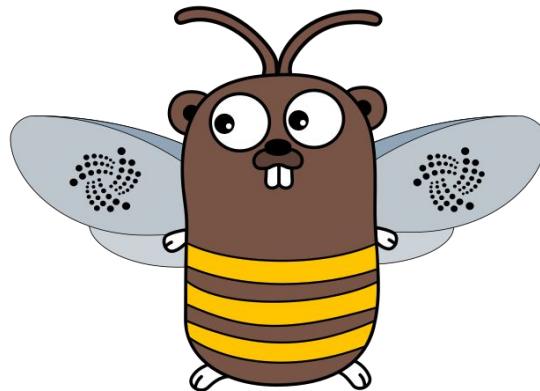
Keeps a pruned Tangle
mathematically intact

Developers can host their own data

Data becomes transferrable

Ecosystem developer fund grantee

Hornet - IOTA Fullnode



Entirely written in Go

IOTA fullnode on low-end devices
such as a Raspberry Pi

Ecosystem developer fund grantee

Contacts:

email@provider.com

website.com

twitter.com/myhandle

linkedin.com/in/mylink

Sponsors:

<SPONSOR NAME>

<Description>

sponsor.website.com

Get involved:

Website: www.iota.org

Ecosystem: ecosystem.iota.org

Discord: discord.iota.org

Twitter: twitter.com/iotatoken

LinkedIn: linkedin.com/company/iotafoundation

YouTube: www.youtube.com/c/iotafoundation