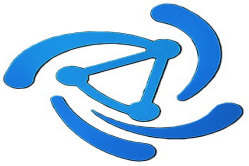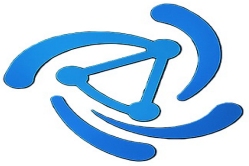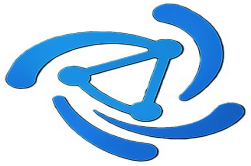# Democratic Digital Republic

What if the State was no longer a building, but a network of trust?

A republic without servers or bureaucracy,

Where every citizen can vote, decide, understand, and interact with the State from their phone.

In a secure, transparent, and liberty-respecting system.
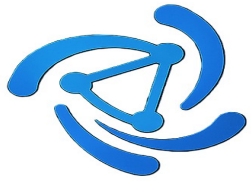
STATEMENT OF INTENT

This document is an open political proposal.

It is not a fixed model, but a common base to imagine together a republic adapted to our time ,transparent, distributed, participatory, digital, and democratic.

Everyone is invited to:
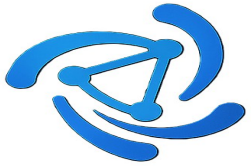
➜ Read

➜ Comment

➜ Propose / Improve

Because a truly democratic republic begins with its very conception.
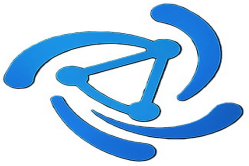
HOW TO CONTRIBUTE?

Want to share ideas, improve a section, or help build a module?

Contact: contact@democratic-digital-republic.org

CONTENTS

PREAMBLE
VISION
CONSTITUATION
GOVERNANCE
CITIZENSHIP
TECHNOLOGY
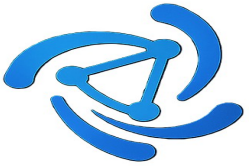CURRENCY
DATA
JUSTICE

PREAMBLE

Context:
Faced with the limits of traditional state models, the Democratic Digital Republic offers an alternative based on distributed technologies.

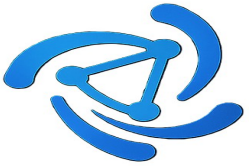**Objective:**
To build a fair, agile, transparent, and accessible State.

Foundations:
➔Radical transparency
➔Individual sovereignty
➔Equal participation
➔Operational efficiency
➔Digital sustainability

VISION

A new vision of a simplified state, built on decentralized technologies and the digital sovereignty of its citizens.

VISION

VISION

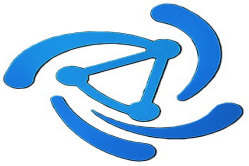The Democratic Digital Republic is a new kind of state, designed for the 21st century.

It puts technology at the service of sovereignty, transparency, and civic participation.
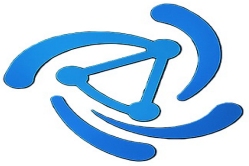
Each citizen controls their identity, data, and political voice via a secure, accessible, and decentralized digital infrastructure.

It relies on direct governance enabled by innovative digital tools that simplify civic interactions.

CONSTITUTION

It is not the code that makes the law. It is the law that becomes code.

CONSTITUTION

Preamble

We, citizens united by a shared will,

Aware of contemporary challenges and opportunities brought by distributed technologies,

Freely decide to constitute ourselves into a sovereign, ethical, sustainable, equitable, and technologically advanced community.

We affirm that technology must serve humanity, truth, transparency, and freedom.

Thus, we establish the Constitution of our Democratic Digital Republic.

CONSTITUTION

TITLE I – FUNDAMENTAL PRINCIPLES

Article 1.

The Republic is democratic, decentralized, and participatory, founded on the digital sovereignty of its citizens.

Article 2.

Sovereignty belongs to the people, who exercise it directly through certified, secure, and accessible digital tools.
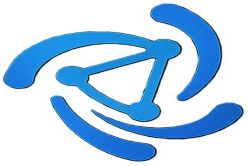
Article 3.

The founding pillars of the Republic are:

A distributed infrastructure based on TANGLE technology for the recording of all data of public interest

An ethical and transparent artificial intelligence, serving as an interface between humans and the system

A network of intelligent connected objects, serving the community

A unique digital currency used for all civil, institutional, and automated transactions.

12

CONSTITUTION

TITLE II – DIGITAL CITIZENSHIP

Article 4.

Each citizen has a sovereign digital identity, tamper-proof, encrypted, and exclusively controlled by themselves.

Article 5.

➜Each citizen holds a unique digital wallet that enables them to:
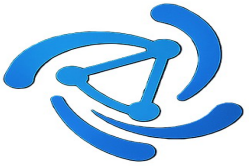
➜Exercise their civic rights

➜Make transaction

➜Access public services

➜Manage their personal data.

Article 6.

Citizen participation is continuous, transparent, and ensured through distributed voting mechanisms anchored in the public ledger.

CONSTITUTION

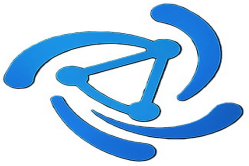TITLE III – REPUBLIC TECHNOLOGIES

Article 7.

The TANGLE ledger constitutes the State's trust infrastructure. It immutably records all public information: laws, identities, transactions, decisions, and archives.

Article 8.

A public artificial intelligence allows you to ask questions in your own language in a simple way and receive understandable answers about your rights, the laws, or State decisions.

Article 9.

Connected objects belonging to the Republic or local communities are integrated into the national digital ecosystem, operating through open, secure, and interoperable protocols.

CONSTITUTION

TITLE IV – DIGITAL CURRENCY

Article 10.

The official digital currency is the only legal unit of account, exchange, and settlement within the Republic.

Article 11.

This currency is issued through an open and verifiable algorithmic protocol, backed by the country's economic stability.

Article 12.

All transactions between citizens, between citizens and institutions, and between citizens and connected objects are recorded on the TANGLE infrastructure, with no fees or intermediaries.
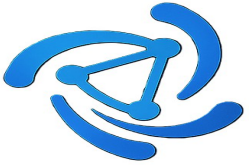
TITLE V – DATA, PRIVACY AND TRANSPARENCY

Article 13.

Personal data belongs exclusively to the citizens. Its use is subject to explicit, traceable, and revocable consent at any time.

Article 14.

Public data is accessible to all through user-friendly and intelligible interfaces.

CONSTITUTION

Article 15.

Every citizen has the right to an understandable copy of all data concerning them, as well as the right to erasure when permitted by law.
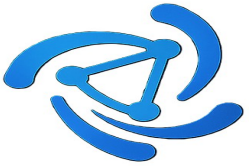
TITLE VI – JUSTICE, RIGHTS AND FREEDOMS

Article 16.

Justice is partially automated for simple procedures, but remains under human and independent supervision in all major cases.

Article 17.

Fundamental freedoms — of opinion, expression, movement, association, and technological dissent — are guaranteed and protected.

Article 18.

Every citizen has the right to transparency of public algorithms: their source code, operating logic, and impact must be accessible, audited, and subject to oversight.
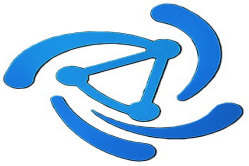
CONSTITUTION

TITLE VII – REVISION AND EVOLUTION

Article 19.

This Constitution enters into force after ratification by a qualified majority of certified citizens.
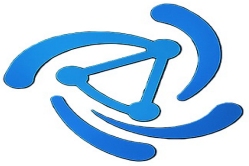
Article 20.

It may be amended through a participatory, distributed, and traceable procedure, validated by two-thirds of voters in a digital referendum.

GOVERNANCE

To govern is to be accountable in real time, to everyone, at all times.

GOVERNANCE

GOVERNANCE
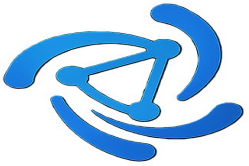
1. Distributed and Verifiable Governance

All governance functions — legislation, execution, and oversight — are programmed as open rules on the TANGLE network.

They are accessible, understandable, and verifiable in real time.

2. Collective Intelligence and Civic AI

The Republic relies on a governmental Artificial Intelligence that serves the citizens:

➔To synthesize public data,

➔To assist in collective decision-making,

➔To automate administrative tasks, in accordance with the law.
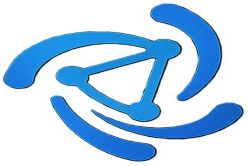
GOVERNANCE

3. Augmented Direct Democracy

Citizens can:

➔ Propose draft laws,

➔ Vote on major strategic directions,

➔ Control budget allocations through their citizen wallet.

4. Citizen Regulatory Bodies

Certain functions are carried out by citizen commissions, either randomly selected or elected:

➔ Oversight of public algorithms,

➔ Digital ethics,

➔ Auditing of automated institutions.

GOUVERNANCE

5. A State That Is Accountable in Real Time

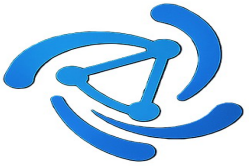Every institutional action is automatically published in a distributed public ledger.

Citizens can see:

➔What was decided,

➔By whom,

➔With what impact,

➔At what cost.
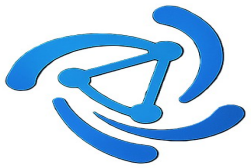
They can contest, correct, and propose.

In Summary

Democratic digital governance is not about ruling without institutions it is about making institutions a shared common good: readable, editable, and directly actionable by the people.

CITIZENSHIP

I no longer delegate my power , I exercise it.

CITIZENSHIP OATH

I, citizen of the Democratic Digital Republic,

Acknowledge that sovereignty belongs to the people, and that every voice including mine holds equal value.

I commit to exercising my rights with awareness, respect, and discernment,

And to actively participating in democratic life, with full transparency and freedom.

I pledge to uphold the principles of this Republic:

Distributed justice, institutional clarity, data protection,

And equal access to information for all.

I recognize the right of future generations to inherit a system

That is ethical, sustainable, auditable, and adaptable.

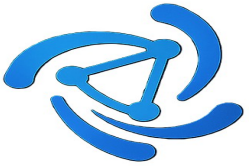I commit to respecting decisions made collectively and lawfully,

To challenge injustice through legitimate means,

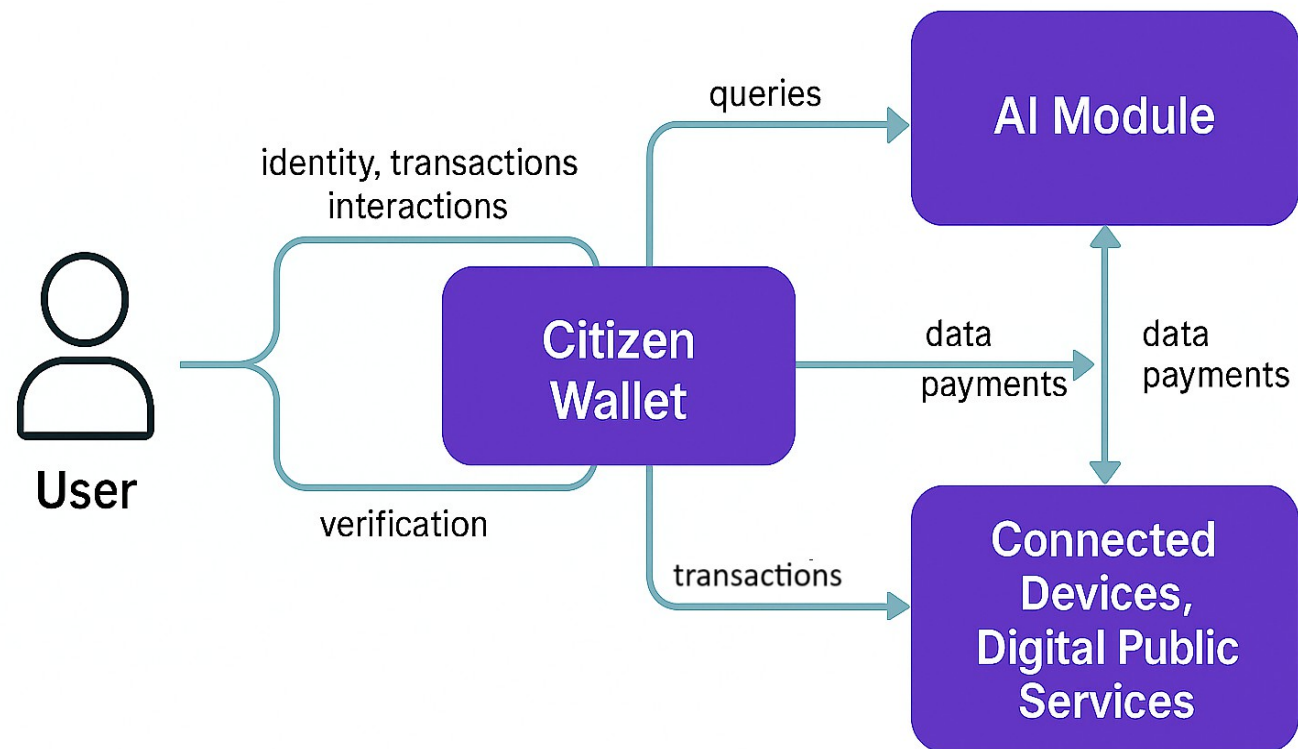And to propose what I believe is just, in the common interest.

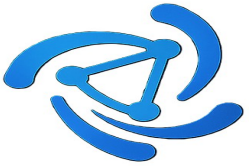I declare that I use my sovereign digital identity

Not to consume a State, but to co-create a Republic.

"I no longer delegate my power — I exercise it."
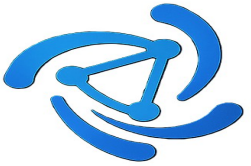
CITIZENSHIP

CITIZENSHIP

CITIZENSHIP

Each citizen is at the heart of the system. They interact with the State, public objects, and civic intelligence through a secure digital wallet

This wallet grants access to their rights, enables voting, allows transactions, and lets them manage their personal data.
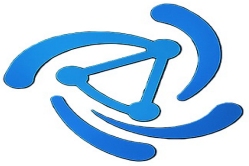
The digital identity is sovereign, encrypted, and inviolable.

The public artificial intelligence simplifies procedures and ensures equal access to information.
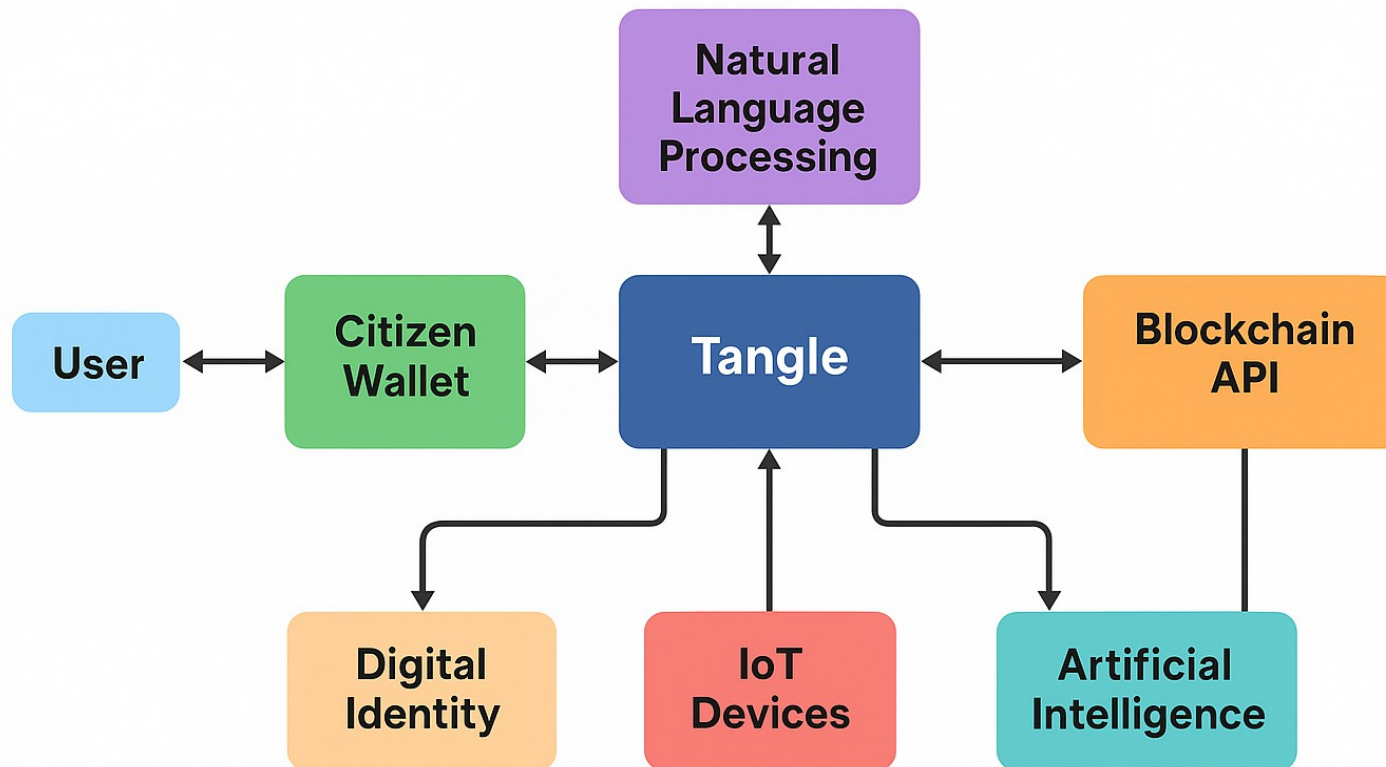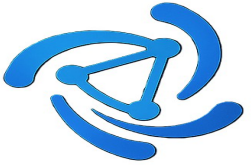
TECHNOLOGY

It is not technology that governs it, is technology that serves you.

TECHNOLOGY

This diagram illustrates the various technological components within the Republic's ecosystem
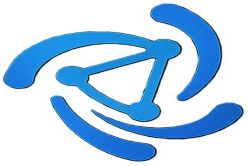
TECHNOLOGY

TECHNOLOGY

A transparent, reliable, and distributed technological foundation

Each citizen interacts directly with institutions, without intermediaries, via their citizen wallet connected to the civic network.

Civic AI assists, informs, and performs certain simple services.

Connected public objects (sensors, terminals, vehicles) act automatically according to the rules recorded in the public ledger.

Everything is traceable, with no reliance on a central infrastructure.

TECHNOLOGY

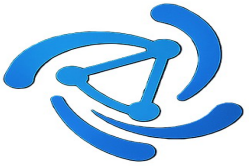TANGLE – The Foundational Technology

The TANGLE is a Open Source distributed ledger based on a DAG (Directed Acyclic Graph)

developed by IOTA Foundation

Unlike blockchain, it uses neither blocks nor miners, which enables:

➔ Fee-less transactions

➔ Natural scalability

➔ Better performance for connected objects and automation

Each new transaction validates two previous ones, strengthening a growing network of trust.

The TANGLE is used as the foundational layer for recording all interactions within the Republic.
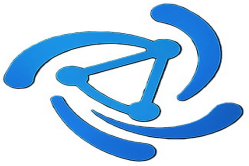
TECHNOLOGY

6G – A Mobile Infrastructure for Digital Sovereignty

In the Digital Republic, the smartphone is the key: it enables citizens to act, vote, understand, and express themselves.

6G makes all of this smoother, faster, and faire

➜Instantaneity: vote or take action with no delay

➜Connectivity everywhere, even in rural areas

➜Security built into the network's foundation

➜Millions of citizens connected simultaneously without congestion

6G is not a technological luxury. It is the mobile backbone of a distributed state, where everyone can act directly, without intermediaries.

TECHNOLOGY

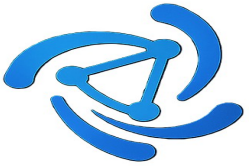Quantum Computing – Anticipating Risks, Securing the Republic

Quantum computing will disrupt today's cryptographic tools.

What is secure today may not be secure tomorrow.

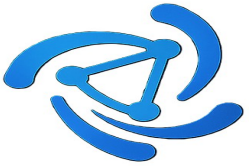*The Digital Republic is already preparing for resilience:*

➔Transition toward post-quantum cryptographic protocols

➔Continuous technological monitoring of quantum advances

➔Commitment to keeping institutions verifiable and tamper-proof

Building a digital state means foreseeing the invisible and guarding against disruption.It is better to adapt early than to suffer later.

TECHNOLOGY

What This Changes for the Citizen
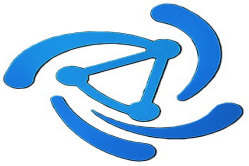
TECHNOLOGY

1. Transparency by Default

All public actions are recorded on the TANGLE. Citizens can consult budgets, decisions, and votes.

2. Equal Access to Information

All citizens access the same public data — without intermediaries, without filtered versions.

3. Elimination of Delays

Every transaction is instant, traceable, and automated. The State becomes fluid, responsive, and programmable.
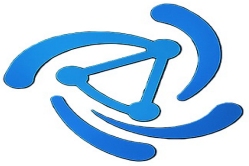
4. Security Without Surveillance

The system ensures data integrity without excessive collection. Citizens retain ownership of their digital identity.

5. Direct Interaction with the State

Citizens can consult, vote, declare, and act without going through a counter or a private platform.

6. Ethical Automation

Processes are intelligent, but audited. AI, smart contracts, and public objects operate under citizen oversight, with clear and adjustable rules.
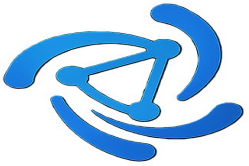
7. Frictionless Public Payments

Parking, local services, taxes — everything can be paid automatically, with no third-party apps or delays.

8. Real-Time Activation of Rights

Aid or benefits can be delivered as soon as eligibility conditions are met. The State becomes proactive, not reactive.

9. Social Programmability

Public governance rules can be encoded: distributed budgets, conditional subsidies, automated actions based on events or thresholds.
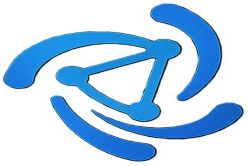
TECHNOLOGY

TANGLE – Machine-to-Machine Use Cases

Example: VAT Automatically Collected During a Sale by a Connected Device

1. A connected terminal records the sale on the TANGLE.

2. VAT is automatically calculated.

3. The amount is immediately transferred to the State's wallet.

Another Example: Parking Payment by a Connected Car

1. The car detects that it is parked.

2. It records the parking duration on the TANGLE.

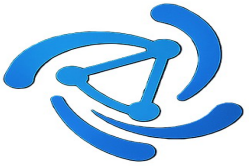3. Payment is automatic and verifiable.

TECHNOLOGY

ARTIFICIAL INTELLIGENCE (AI)

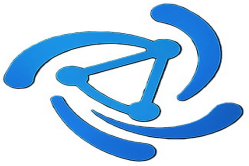The AI of the Digital Republic is not an invisible authority — it is a civic tool.

It helps you understand your rights, interact with institutions, and automate your procedures.

Accessible through the citizen wallet, it operates under constitutional oversight, with open and auditable algorithms available to all.

TECHNOLOGY

What This Changes for the Citizen

TECHNOLOGY

1. Understand Your Rights

You ask a question. It responds in plain language, with the corresponding legal reference.

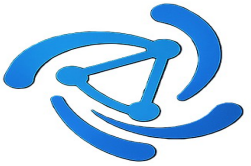## 2. Simplify Administrative Procedures

The AI guides you step by step, fills out forms, and identifies any missing documents.

3. Participate in Democracy

The AI presents ongoing consultations, helps you understand the issues, and simulates the impact of your votes.
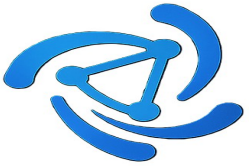
4. Access Justice

It can suggest legal remedies, mediation options, or help prepare a complaint file.

CURRENCY

A public, fluid, and transparent currency — so that every cent serves the common good.
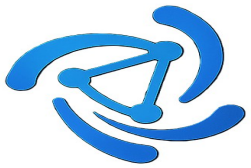
CURRENCY

In the Digital Republic, the official currency is fully digital. It is used for all exchanges — between citizens, with the State, or with connected objects. This currency is not tied to any private central bank; it is issued through a public, understandable, and transparent protocol.
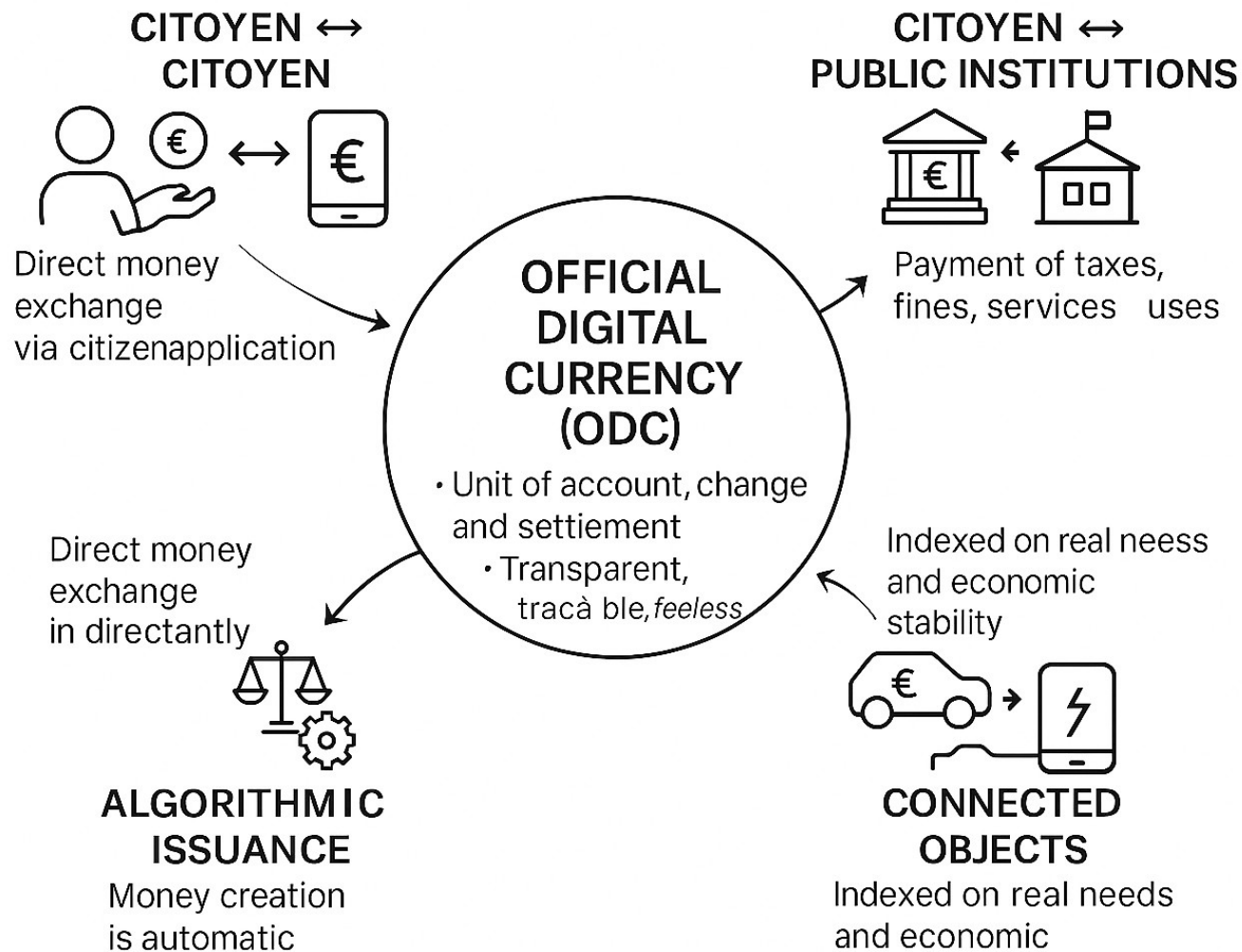
Thanks to TANGLE technology, every transaction is recorded without fees, in an immutable and publicly accessible way. This prevents fraud, reduces costs, and strengthens trust.
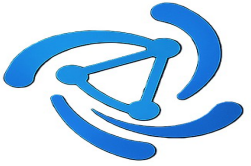
Each citizen has a digital wallet integrated into their citizen application. It allows them to:

➔ Send or receive money instantly

➔ Pay for public or private services

➔ Track their transactions with full transparency
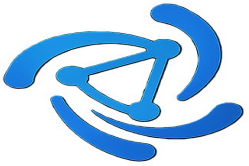
➔ Interact economically with objects or institutions

CURRENCY

CITOYEN ↔ CITOYEN

Direct money exchange via citizenapplication

CITOYEN ↔ PUBLIC INSTITUTIONS

Payment of taxes, fines, services uses

OFFICIAL DIGITAL CURRENCY (ODC)

· Unit of account, change and settiement
· Transparent, tracà ble, *feeless*

Direct money exchange in directantly

Indexed on real neess and economic stability

ALGORITHMIC ISSUANCE

Money creation is automatic

CONNECTED OBJECTS

Indexed on real needs and economic

CURRENCY

What This Changes for the Citizen

CURRENCY

1. More Transparency

All public spending is visible.

2. End of Payment Delays

Transfers (subsidies, aid, reimbursements) can be immediate.
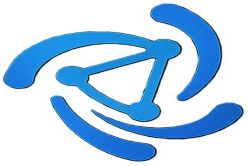
3. Tax Simplicity

VAT and contributions are automatically collected at the source.

4. Less Fraud

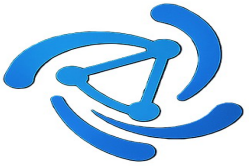All flows are recorded. No transaction can disappear.

5. Programmable Currency

Economic policies can be encoded (targeted allocations, caps, automated redistribution).

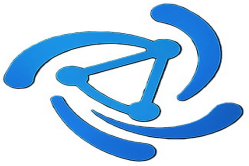# DATA

My data belongs to me. Its use must respect me.

DATA

DATA

Protected Personal Data

Personal data is the property of the citizen. Its use is subject to clear, traceable, and revocable consent.

Each citizen has:

➔Full access to their data

➔The right to data portability

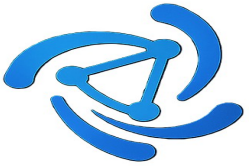➔The right to erasure in accordance with the law.

DATA

DATA

Data produced or funded by the community are digital commons.

Each component is auditable, open, and collectively governed.

They are:

➔ Freely accessible

➔ Presented in a clear and understandable way

➔ Authenticated on the TANGLE infrastructure.
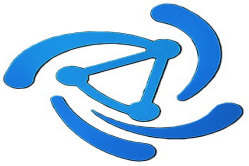
DATA

PUBLIC DIGITAL INFRASTRUCTURE

The system's architecture is based on:

➔ Distributed Digital Identities (DID)

➔ Citizen contracts (audited smart contracts)

➔ Interoperable public objects

➔ Supervised civic intelligence

➔ A shared immutable ledger (Tangle)

➔ A public digital currency

JUSTICE

Accessible, transparent, and distributed justice.

JUSTICE

JUSTICE

1. Simple procedures are automated (minor requests, neighborhood disputes...)

2. Complex procedures are overseen by human judges

3. Public legal references (laws, case law, regulations) are accessible to all via AI
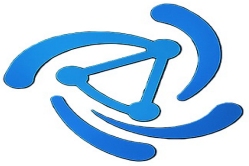
Justice is traceable, with no privileges or blind spots.

DIGITAL TRUST

Every part of the system is verifiable:

➔ AI code is public

➔ Decisions are timestamped

➔ Transactions are immutable

This allows every citizen to verify, challenge, or audit any governance mechanism — without prior authorization.

Real transparency, in service of direct democracy.

IN SUMMARY

WHAT CONCRETELY CHANGES FOR THE CITIZEN

➜Automatic Transparency

Every public action (budget, vote, decision, transaction...) is recorded immutably and can be consulted by all.

➜Direct Interaction Without Intermediaries

Citizens interact directly with institutions and public objects, without counters or opaque platforms.

➜Secure Automation

Automated services (payments, rights, simple decisions) are executed with full traceability.

➜Protected Personal Data

Each citizen retains ownership of their digital identity, with no commercial surveillance or hidden data collection.
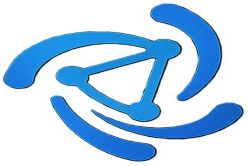
➜A System Auditable by All

Every line of code, every flow, every public decision can be consulted, verified, and challenged.

Let us bind ourselves in the TANGLE, not to submit, but to be free.

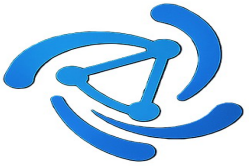*Founding slogan of the Democratic Digital Republic*

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THE ATHENIANS

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