

# TrustedChain<sup>®</sup>

## A Blockchain Ecosystem for P.A. and e-Government



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**UCL RESEARCH CENTRE  
FOR BLOCKCHAIN TECHNOLOGIES**



## Highly Sensitive Data

1. High technical performance
2. Continuity of service
3. Long-term preservation of data
4. Law compliance  
Privacy – Confidentiality - Right to Erasure, etc.



## Open Networks

- Multi-purpose
- Speculative tokens, volatility
- P2P → individual freedom



## Permissioned Networks

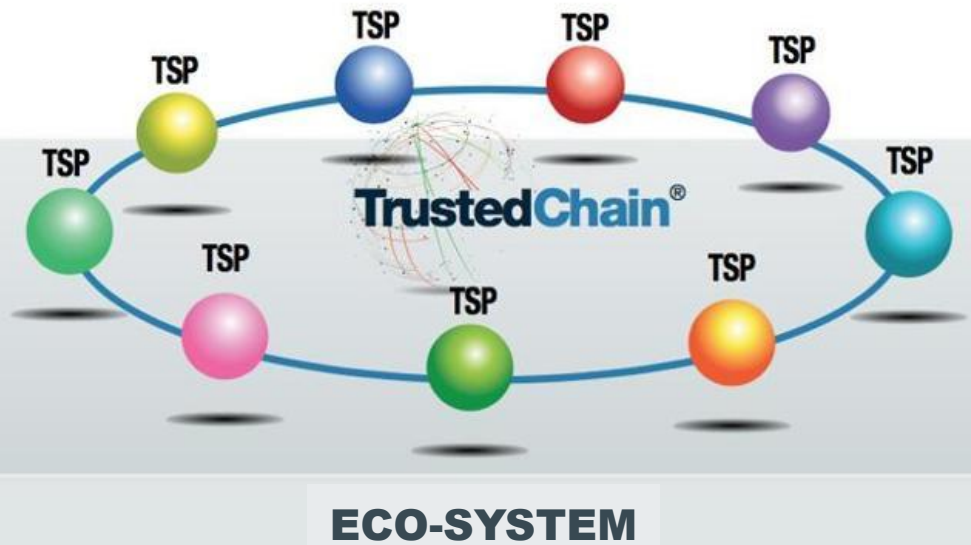
- Specific purpose
- No speculative tokens, persistence
- Democratic governance, broader public interest



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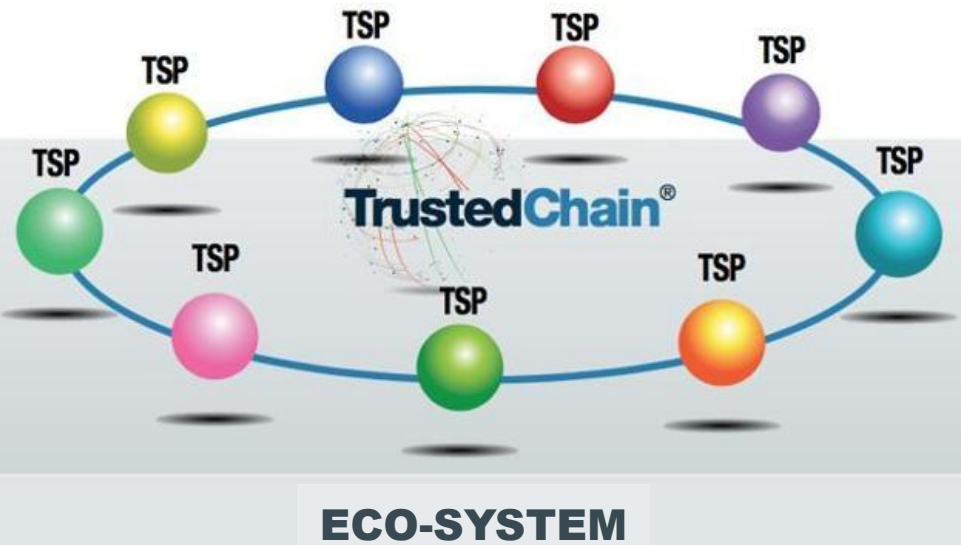
# Ecosystem of Trust Service Providers



**TSP → FULL NODES**

- Qualified companies appointed by European governments
- Manage and store documents for P.A. and businesses
- Certified electronic signatures, seals, timestamps, etc.

# Ecosystem of Trust Service Providers



**TSP → FULL NODES**



**Highly reliable and safe**

**Obligated by e-IDAS 910/2014**

1. High technical performance
2. Continuity of service
3. Long-term preservation of data
4. Law compliance  
Directly transpose EU regulation into code

# APPLICATIONS and BENEFITS



## 1. Workflows of digital records

- P.A. more time- and cost- efficient
- Reduce redundant data, errors, fraud

## 2. Decentralized and robust IDs systems

- Privacy by-design    Self-management of IDs

## 3. Tax collection and public funds tracking

- P.A. more transparent and accountable

## 4. Safely cross and analyze data / AI

- Improve performance and effectiveness of public governance



## Reliable standards at EU level

- Technical performance
- Legal compliance
- Adequate governance model






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## Blockchain for Social Good

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