



Blockchain & Disability



Ferran Blanco Ros
Social Worker



Who am I?

I AM NOT

A DEVELOPER

AN IT ENGINEER

A CODER

A BIG 'WHALE' CRYPTOINVESTOR

I AM

A SOCIAL WORKER

A CRYPTO ENTHUSIAST



Inclusió social i suport en la presa de decisions
Social inclusion and supported decision making

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inclusió social i suport en la presa de decisions

The concept of blockchain

Blockchain is a technology that allows to execute a set of **trustless transactions** between parties and **without the need for intermediaries**. Blockchain **guarantees** transactions, making them **irrevocable** and **transparent** (in some cases) using **distributed consensus**.

The blockchain uses distributed ledger technology (DLT), a distributed database, that allows to keep a **permanent, immutable** and **secure record** of all transactions. The ledger is secured using **cryptographic keys** and distributed among **thousands of computers (nodes)**. **The use of this type of technology** has many advantages in terms of security, preventing possible manipulation, tampering and fraud.

Blockchain is a technology with potential to improve on a global scale the way traditional digital services are provided by the public sector, in the industry sector and to citizens.

Source: Generalitat de Catalunya (2019). Catalonia Blockchain Strategy

A fact

Blockchain is known for its application registering value transactions associated with **cryptocurrencies**, but applications are already being developed in other processes, areas or sectors, among others: **administrative, legal, financial, medical or energy-related.**





- ◇ “Unprecedented opportunity to develop mutual trust and confidence between countries”
- ◇ “Trustworthy platform for transactions across borders”
- ◇ “Unrealised possibilities that we have not imagined yet”
- ◇ “Deliver better outcomes & services for citizens”
- ◇ Customs & Tax → Reduce the administrative burden of introducing tax information through different supply chains.

Source: OECD (2019), The Policy Environment for Blockchain Innovation and Adoption: 2019 OECD Global Blockchain Policy Forum Summary Report, OECD Blockchain Policy Series.

Terminology - Glossary

- ◇ Proof of Work
- ◇ Proof of Capacity
- ◇ Proof of Stake
- ◇ Proof of Authority
- ◇ Stable Coin
- ◇ Atomic Swap
- ◇ Smart Contract
- ◇ ERC-20
- ◇ Gas Fee
- ◇ Non-Fungible Token



Market News October 10, 2021 by [Kelly Cromley](#)

McDonald's in China to Reward NFTs to Employees & Customers in Commemoration of 31st Anniversary

OCT 05, 2021

Italy's Largest Consortium of Olive Oil Producers Partners with Euranet and Adopts the Secure and Sustainable Algorand Blockchain to Improve Supply Chain Transparency and Efficiency



HELEN PARTZ

SEP 30, 2021

Switzerland national postal service to debut crypto stamp on Polygon

The Swiss crypto stamp is a digital collectible linked to a traditional physical stamp issued by the Swiss Post.





Custom solutions for industries that rely on document transactions

The CargoX platform is conceived as a flexible, multi-industry solution.

It is designed to include the concepts of e-mail, banking transactions, and document creation and viewing capabilities. The platform can be integrated into any industrial workflow.

The platform enables the creation and use of bespoke workflows, with heavy optimizations for specific processes in mind.



Services

Immutability for health care, travel & entertainment document, and all other sensitive data, with a detailed audit trail for oversight and accountability.



- ◇ Conventional Will
- ◇ Genetic Will
- ◇ Digital Will
- ◇ Living Will
- ◇ **SMART WILL**





Potential uses in the social sector?

Cross-sectorial Trust Platforms

Streamline the issuing, validation and sharing of documents between services and particularly between the public administration and persons with disabilities or professionals.

A digital ecosystem of services

New ecosystem of services that allow an increase in the efficiency, effectiveness and transparency in resource allocation (housing, benefits, support services) that, in return could speed up the implementation of UNCRPD.

Monetisation

The use of correctly 'marketed' NFT can contribute to provide additional funding streams both to services and to persons with disabilities

Conclusions



- ◇ The technology is in a relative 'infancy' and why not? applications in industry-leading sectors (energy, transportation, logistics, finance) are emerging. The social sector should not fall behind.
- ◇ "If we are not able to imagine it nor talk about, it will be impossible to start developing in practice" – Pep Solé. Director of Support-Girona.





Thanks!

Any questions?

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