

# BLOCKCHAIN TECHNOLOGY TO SERVE THE EUROPEAN ECONOMY

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# Current scenario on the way out from Covid-19

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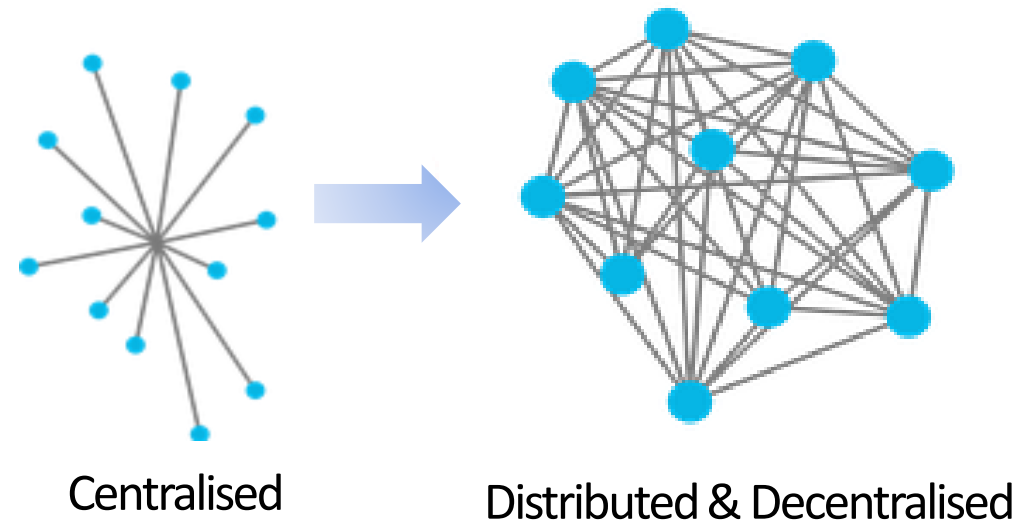
- Increasing blockchain adoption in the past years, paving the way for future development
- The recent Covid-19 pandemic has highlighted the importance of digital tools to address **immediate common needs and quick intervention globally.**



# At the crossroads of a paradigm shift

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- Cultural shift
- Change in the governance of digital systems
- Change interaction between businesses
- Provides a new way to share/exchange assets



Our mission is to guide the shift and introduce organisations to **blockchain as a foundational technology at the core of their business structure to aid current and future challenges.**

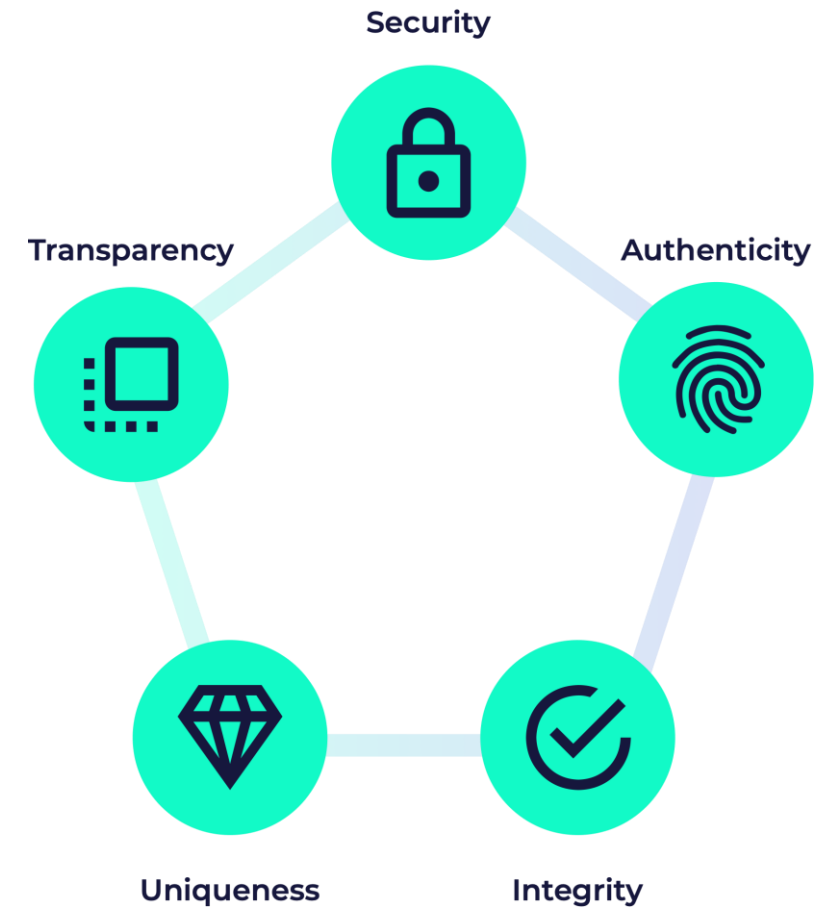
# Why blockchain can bring benefits?

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Blockchain technology core characteristics:

- Transparent & secure
- Tamper proof by design
- Flexible & interoperable
- Robust base for other technologies (AI, IoT etc.)

Users across the board can adopt blockchain and embrace its game-changing features.





# How blockchain can help defeat a pandemic?

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Blockchain-based applications are playing an important role in fighting the Covid-19 pandemic:

- Monitor the distribution of medical material
- Contact-tracing applications
- Use distributed network to help scientific research
- Share transparent and immutable medical data
- Health insurance management (via smart contracts)
- Etc.



# 1. Use Case - Traceability of Covid-19 Test Kits

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Blockchain is used to trace the Covid-19 test kits to certify origin, distribution and laboratory results.

- Real-time access to critical info such as date and location of test
- Map affected area by tracking positive test results (not patients) and provide immediate snapshot of the situation
- Use of Smart contract to regulate the handling of data, overcoming issues related to the use of different standards for data collection and result reading.



## 2. Use Case - Computing Power to support Scientific Research

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Blockchain used to harness the power of distributed computing to help calculation needed to run simulations in search for a treatment to Covid-19.

*Folding@Home* is distributed computing project aimed at understanding how viral proteins work (“fold”) and design treatments to stop them.

Quadrans has joined the initiative by leveraging on its decentralised network of users: hundreds of nodes donate computing power to contribute to the research focused on the Covid-19.



### 3. Use Case – Data Notarisation & Smart contracts

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The recent pandemic has impacted many face-to-face business activities. Through different applications, the blockchain is used to:

- Certify and notarise smart working activities (proof of existence).
- Track record of verbal processes, videoconferences, online webinars, training and related documents etc.
- Enable digital signatures via smart contract and cryptography.





# Opportunities and Future Adoption

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Blockchain technology is pivotal for the shift toward a broader collaboration between individuals and organisations across society.

Roadmap:

- ✓ Achieve trust in data
- ✓ Build legal framework to regulate responsibilities and accountabilities
- ✓ Integrate blockchain infrastructure to facilitate relationship between decentralised organisations
- ✓ Design applications to suit business requirements



Public Administration



Supply chain



Energy



Healthcare



Travel



Education



Retail



Legal



Insurance

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# Thank You



The smart **Blockchain**