Startup Europe Partnership

SEP RESEARCH HIGHLIGHTS
Blockchain

A network of computing "nodes", **blockchain** is a digital ledger, incorruptible, durable and transparent, it is used to automatically **record** and **verify** digital **transactions**.
Developed in 2008 and used mostly for bitcoins, the applications of blockchain are almost endless.
Blockchain operates through a **decentralised** network that requires **no supervision** and therefore can be applied to any digital transaction.

THE WORLD OF
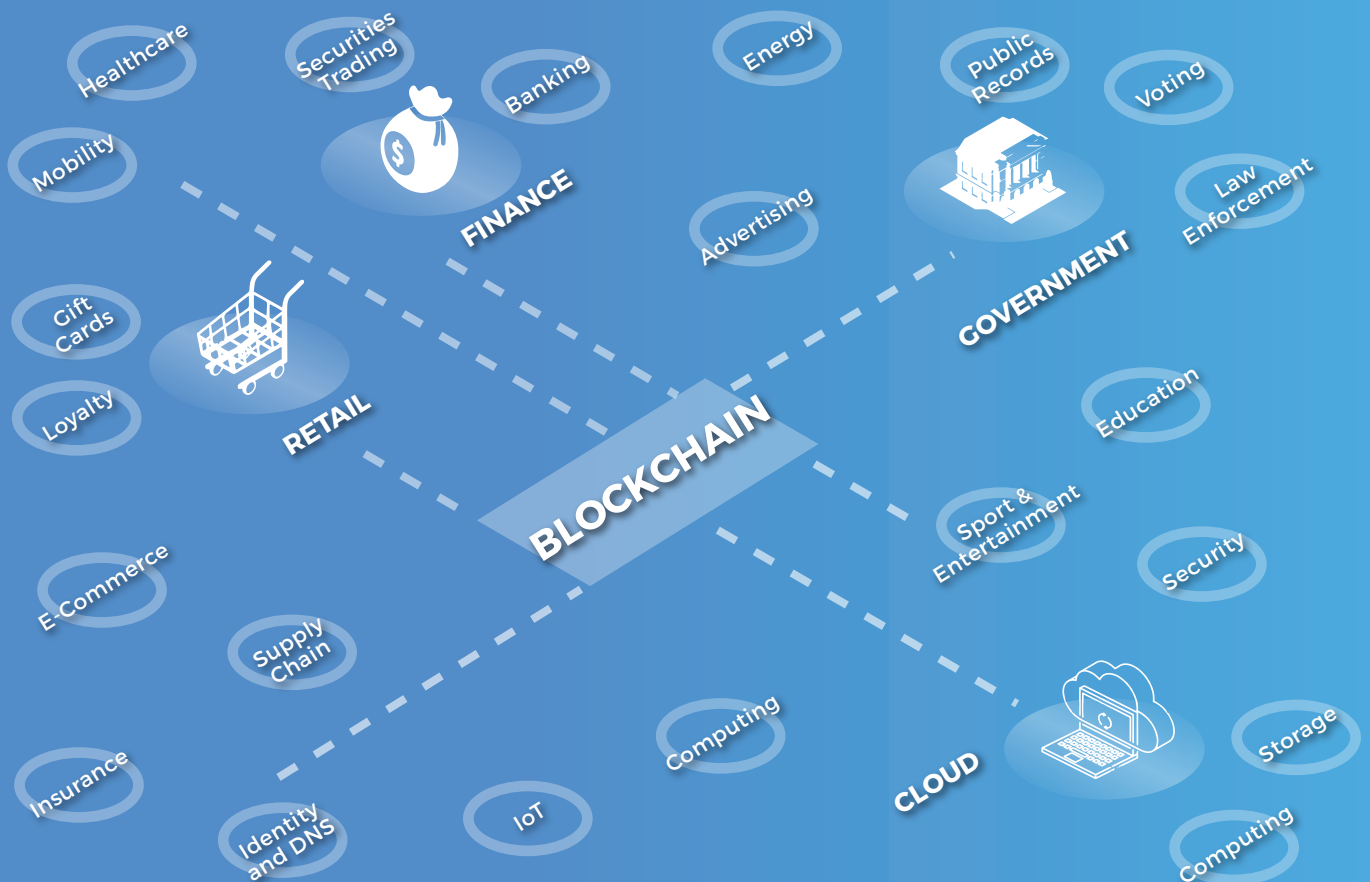## EU ICOs

446 EU ICOs**

$1.7B Total Capital Raised**

36 Blockchain Scaleups in Europe*

$0.4B Total Capital Raised*

MAP OF APPLIED BLOCKCHAIN

Healthcare

Securities Trading

Banking

Energy

Public Records

Voting

Mobility

FINANCE

Advertising

GOVERNMENT

Law Enforcement

Gift Cards

Education

Loyalty

RETAIL

BLOCKCHAIN

Sport & Entertainment

Security

E-Commerce

Supply Chain

Computing

CLOUD

Storage

Insurance

Identity and DNS

IoT

Computing

*Own elaboration based on public data by Crunchbase and other sources. Data updated at 12/31/2017

**Source: Tokendata.io. ICOs since 2014

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BLOCKCHAIN KEY TRENDS

NEW INDUSTRIES

Banking and Trading: The entire financial industry could save billions by eliminating "middle-man" costs while increasing transparency and security.

Utilities and Energy Management: Blockchain will enable peer-to-peer transactions and lead to lower costs, faster processes and greater flexibility.

Healthcare: Better and safer data sharing will mean higher chances of correct diagnostic and effective treatment.

LAW & REGULATION

ID verification and protection: Blockchain can impact how passports, personal identification and other documents will be used with one digital ID account.

Management of public service: Less paper-based processes and fraud, blockchain could help increase accountability between authorities and citizens. Smart contracts and verifiable transactions will facilitate rule compliance.

MANUFACTURING

Additive Manufacturing: 3D printing and other high tech-driven manufacturing can be shared at a mouse click. Blockchain will decrease security vulnerabilities, protect IP and streamline project management.

Supply chain: Traceability systems for materials and products will be improved and information will be gather collaboratively all through the supply chain.

SEP SCALEUPS ON WATCH

ELECTRON
Founded: 2015
Key-words: Cleantech

Description
Electron proposes a blockchain-based electricity and gas meter registration system to help consumers switch between utilities easier.

Flexi DAO
Founded: 2017
Key-words: Cleantech

Description
FlexiDAO provides blockchain and cloud-based energy services aggregation platform to enable collaboration between businesses, EV owners and energy companies.

juru
Founded: 2017
Key-words: Digital Identity

Description
Juru is an open platform that facilitates a person's daily life by centralising all the documents and activities in a blockchain.

NEXT KRAFTWERKE
Founded: 2009
Key-words: Cleantech

Description
Next Kraftwerke is an operator of a large-scale virtual power plant and a certified power trader on various European energy exchanges.

powerpeers energie voor elkaar
Founded: 2014
Key-words: P2P

Description
The Powerpeers platform enables households to select electricity from specific sources, and share electricity with others.

PROSUME
Founded: 2017
Key-words: Cleantech

Description
Prosume is a blockchain-based platform that guarantees an autonomous, independent and digitized smart place allowing users to exchange different energy sources.

SettleMint
Founded: 2011
Key-words: IoT

Description
Mint is a suite of software development kits and developer tools, enabling any software developer to build Blockchain based applications.

UNIQUID
Founded: 2015
Key-words: Blockchain, IoT

Description
Uniquid is a blockchain access management tool to protect digital connected assets inside a network of devices and people.

XRIBA
Founded: 2017
Key-words: Business Management

Description
Xriba is a platform and a protocol that records bookkeping in the blockchain.

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