

## E Foodchain

**BLOCKCHAIN TECHNOLOGY FOR FOOD** 





#### **Foodchain: Company Presentation**

1. In 2012, we started the phase of research and development working towords the creation of an advanced digital tool able to track and trace assets and monitor transactions.

- 2. In 2016, Foodchain® S.p.a. has been established.
- 3. Today we are 20 passionate people work everyday to tell the story of every product, using the power of blockchain technology.





#### What is Blockchain

- Public Register, distributed ed immutable
- Peer-to-Peer nodes
- Unique Id



Blockchain is...
THE NEXT BIG THING



### Foodchain: Type of blockchain

Public	"Private" 💢
Decentralized	Centralized
Transactions verified by public consensun	Transactions verified by private consensus
High transparency	Low transparency
Strong immutability	Low immutability



#### Blockchain -> Chain made of blocks



- Each block contains transactions.
- > When a block is closed, it is bound to the following block with its unique hash.
- Each transaction is serialized.



#### **Blockchain today**

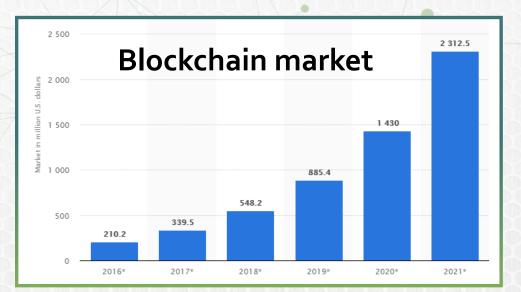
Blockchain 1.0: Cryptocurrencies Bitcoin

Blockchain 2.0: Smart Contracts Insurance, banks

Blockchain 3.0: dApps DEX

Blockchain 4.0: Industry 4.0 ——— Foodchain





Source: www.statista.com

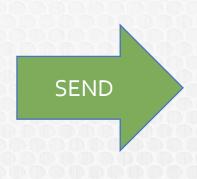


# Blockchain: the "new" Internet "Old" Internet: Copy Information (2 Copies)



"New" Internet: Send Information (1 Copy)





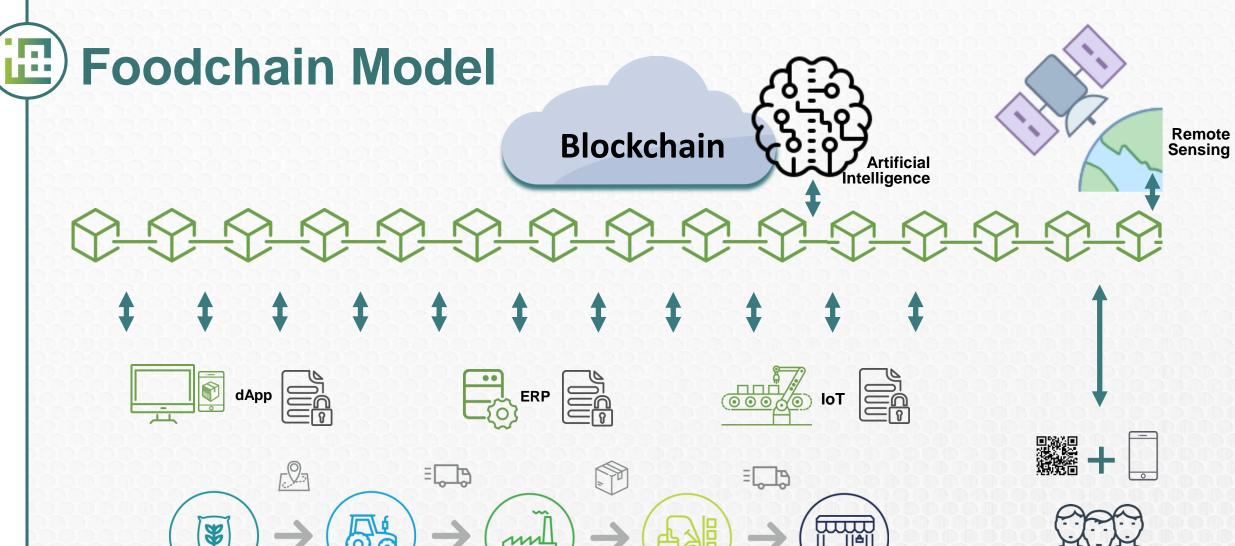






Foodchain® **tracks** and **traces materials and products** using *blockchain* technology to store **information** to create the digital twin.





**Raw Materials** 

**Producers** 

**Transformers** 

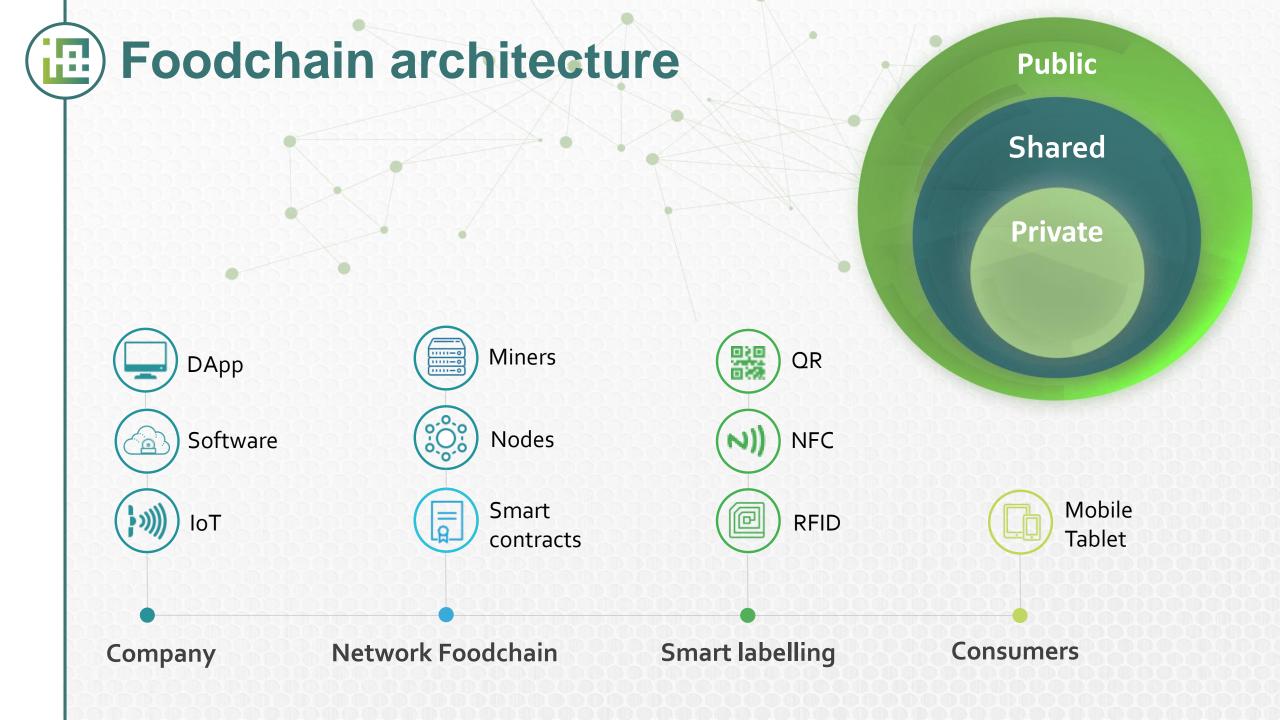
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**Distributors** 

**Supermarkets** 

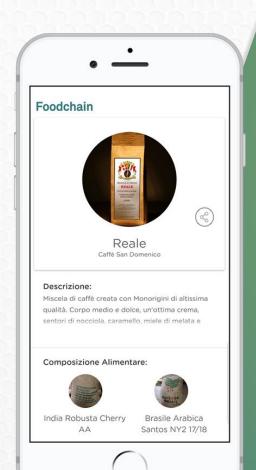


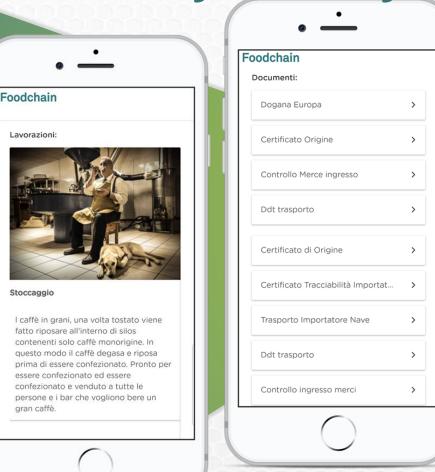
Consumers





Foodchain Example: Coffee, traceability & storytelling







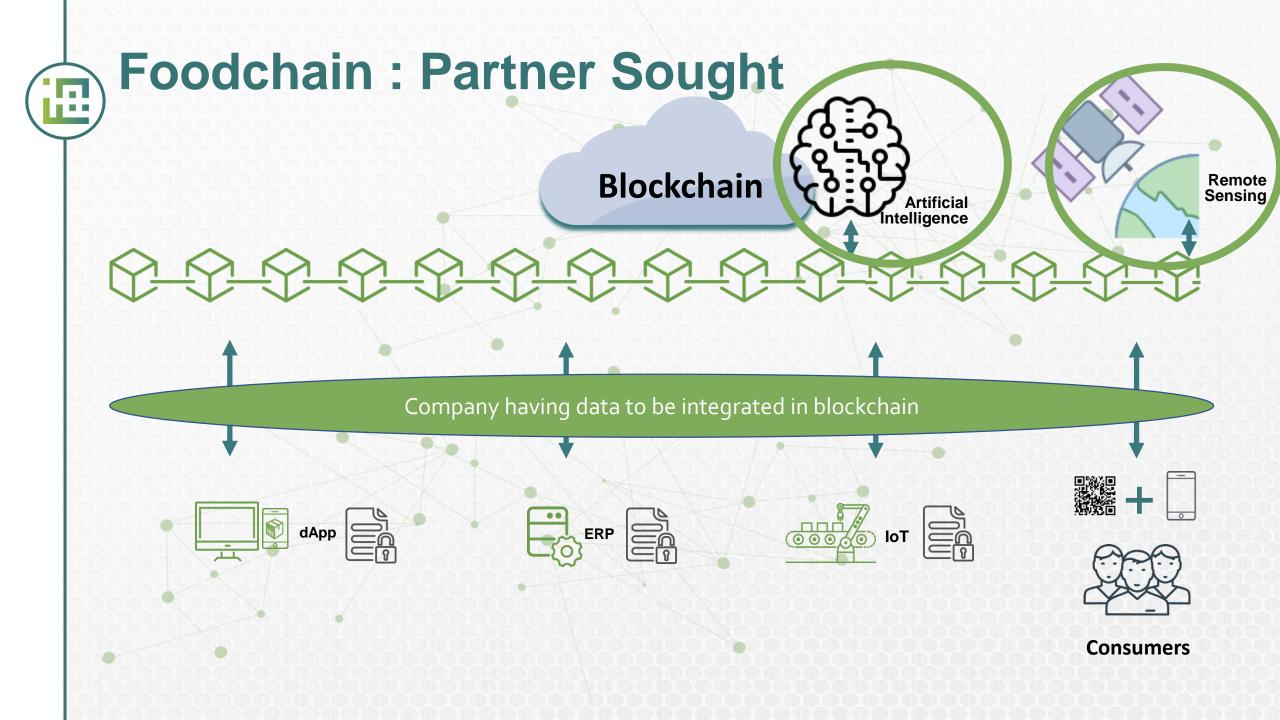




Let's give to the people the information they want about what they eat.

Let's give to companies information about their consumers.

Let's give Value to the food we eat.







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Q&A

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