TRUSTyFOOD

Stakeholders-driven pathways for blockchain implementation in the agri-food sector

Successful R&I in Europe 2024
11th European Networking Event

16th February 2024 | Düsseldorf

Funded by the European Union
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Overview

**Goal** TRUSTyFOOD supports the European Strategic Research Agenda on Blockchain by shedding light on the partial and fragmented picture of Blockchain applications in the agri-food domain.

**Contribution** Empirical assessment of the state-of-the-art & direct engagement with agricultural stakeholders along the whole food supply chain to provide tools & recommendations for implementation.
- First deliverables:
  A) Dashboard
  B) Climate Change Use Case Portfolio
  C) Stakeholder Engagement

A) Dashboard of Blockchain use cases independent of application sector

https://www.trustyfood.eu/framework-of-services/dashboard/
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Current Results (2)

B) Maturity assessment of climate change blockchain use cases

Concept | Prototype | Pilot | Production
---|---|---|---
Acorn | AMPnet | BBTWINs | Best360
CarbonStack | CircularTree | Climate Farmers | Climate Futures
Climate Farmers | Climate Futures | Cosreset | eAgronom
FarmSustainAll | Fjord Maritime | Gochain&SMARTKAS | Oleificio Zucchi
Oleificio Zucchi | Open3C | SolidWorld | Supreme Green Cotton
Supreme Green Cotton | Survcoin | TITAN | Toucan
TITAN | TraceX | TRUSTyFOOD

C) Stakeholder Engagement

Sessions conducted on the topic of
1. Climate Change
2. Transparent and Traceable Supply Chains
3. Healthy, Sustainable & Inclusive Food Systems

Farmers & their Organisations

Experts in Blockchain & Agrifood IT-Systems

Agrifood Processors & Retailers

Societal Organisations

Policymakers & Regulators

Co-creation

Size of bubble represents industry:
1. Large: Agriculture & food
2. Small Size: other industries (real estate (brown), transportation (yellow), general (blue) forestry (grey))
Expertise in Blockchain & European Projects of Fraunhofer IML

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ForestGuard

Blockchain Europe NRW

European Blockchain Regulatory Sandbox

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Open-source software solution approach for the verification of deforestation-free coffee supply chains

Developing open-source blockchain-based solutions for industry & supply chain management

End-to-end integration of customs & logistics processes in international trade
Partnerships
Collaboration opportunities

TRUSTyFOOD (March - October 2024)
Through workshops and interviews the objective is to
▪ Help define stakeholders’ needs and expectations from end user sector to market exploitation.
▪ Gather information for helping identify technical, environmental, regulatory, economic and social barriers and constraints to blockchain’s application.
▪ Give recommendations and suggestions about the feasibility of blockchain

Looking for stakeholders in the agricultural sector with interest in digitalization & blockchain including
▪ Farmers and Cooperatives
▪ Agrifood players (Processors, Retailers)
▪ Policymakers & Regulators
▪ Blockchain Experts (Researchers, Technology Providers, Investors)
▪ Societal Organizations (NGO, Fair Trade Organizations)

Future EU projects
Open for collaboration in projects involving
▪ Blockchain & Web3
▪ Sustainable Supply Chain Management
▪ Space Logistics
▪ Green Hydrogen Certification

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