SOFIE

PRODUCT SAFETY AND QUALITY

IoT infrastructure & data

Secure information sharing & data collection

Transformation of food supply chain

Traceability Decentralization

Build trust & improve cooperation

Food quality & safety

Food supply chain effectiveness
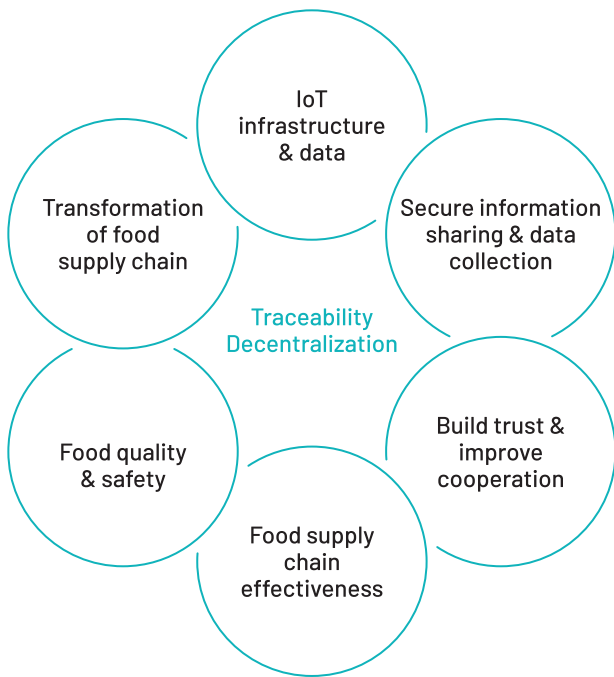
VISION

To accelerate automation, digitization and secure information sharing among the participants in the food supply chain.

To support transformation of the food supply chain by embedding accountability into the workflow and relationships and engaging food consumers in the entire value chain.

To provide business networks and food consumers the means to verify product quality and safety, as those are transferred from the field to the market.

To build trust and support collaboration between companies in the supply chain, each with its own processes and operations, without the need of a centralized authority.

STORY

Producers, distributors, logistics and retailers want their products to reach the market quickly, safely, and in the best possible condition. Consumers want to buy high-quality products and know how these were produced, where they came from and what their ingredients are. They also have expectations about the environmental sustainability or health-related issues in the production cycle, preferring brands promoting the same social and environmental values as their own.

CHALLENGE

To secure information sharing and value exchange between organizations which participate in the food supply chain without the need of a third-party intermediary to establish trust, coordinate interaction and supervise products flow over the chain. Provision of end-to-end traceability services to all business companies and food consumers.

GOAL

The goal of the food supply chain pilot is to demonstrate a provenance chain business platform that secures information sharing and collaborative advantage among the companies in the supply chain, enhances the transparency in business flow and provides end-to-end goods traceability, as demanded by both organizations and food consumers.

"PRODUCT SAFETY AND QUALITY" WILL DELIVER:

- End-to-end goods traceability.
- Efficient audits and disputes resolution in cases of safety/quality issues about products.
- Secure management of transactions between participants in the food supply chain.

- Flexible data adaptation and common semantics to federate heterogeneous IoT environments.
- User friendly and adaptable web interface to the workflow and the business rules in the food supply chain.

FOR SUPPLIERS

- enables secure information sharing and transactions, without the need of a centralized authority to supervise and control data exchange;

- introduces an easy to use and non-disruptive solution to federate IoT business environments;

- enables verifiable goods ownership and authenticity, as well as on-time and in-full transactions and deliveries;

- cuts out mediation expenses, reduces transaction costs and improves quality management in production and distribution;

- increases trust among companies, reduces the chances of frauds and protects brands against negative publicity and counterfeit.

FOR RETAILERS

- increases transparency in goods transfer from the field to the market shelf;

- improves efficiency in audits and disputes resolution when quality conditions are not met;

- enables immediate identification and recall of potential contaminated goods in cases where product quality and/or safety events are detected;

- allows real-time record-keeping that minimizes errors in product management and communication with suppliers.

FOR FOOD CONSUMERS

- increases confidence in goods and provides assurance about their safety and quality;

- increases consumers' trust and loyalty in food brands;

- increases consumers' visibility about goods' production and processing practices over the whole food supply chain;

- offers the ability to discern between brands based on their alignment with social values, production and market practices.

INTERESTED IN SOFIE'S "PRODUCT SAFETY AND QUALITY" PILOT?

- Product safety and quality pilot executors: Synelixis Solutions and Optimum Anonimi Eteria Technologies Pliroforikis.

- Your primary "Product safety and quality" contact is Sotiris Karachontzitis from Synelixis Solutions, e-mail: karachontzitis@synelixis.com

  For any questions or proposals you might have, he's happy to listen.

- You can also reach us via SOFIE's webpage to announce interest to be a test user in 2020 demonstration.

- Follow SOFIE's social media channels to be up to date with latest developments.

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