

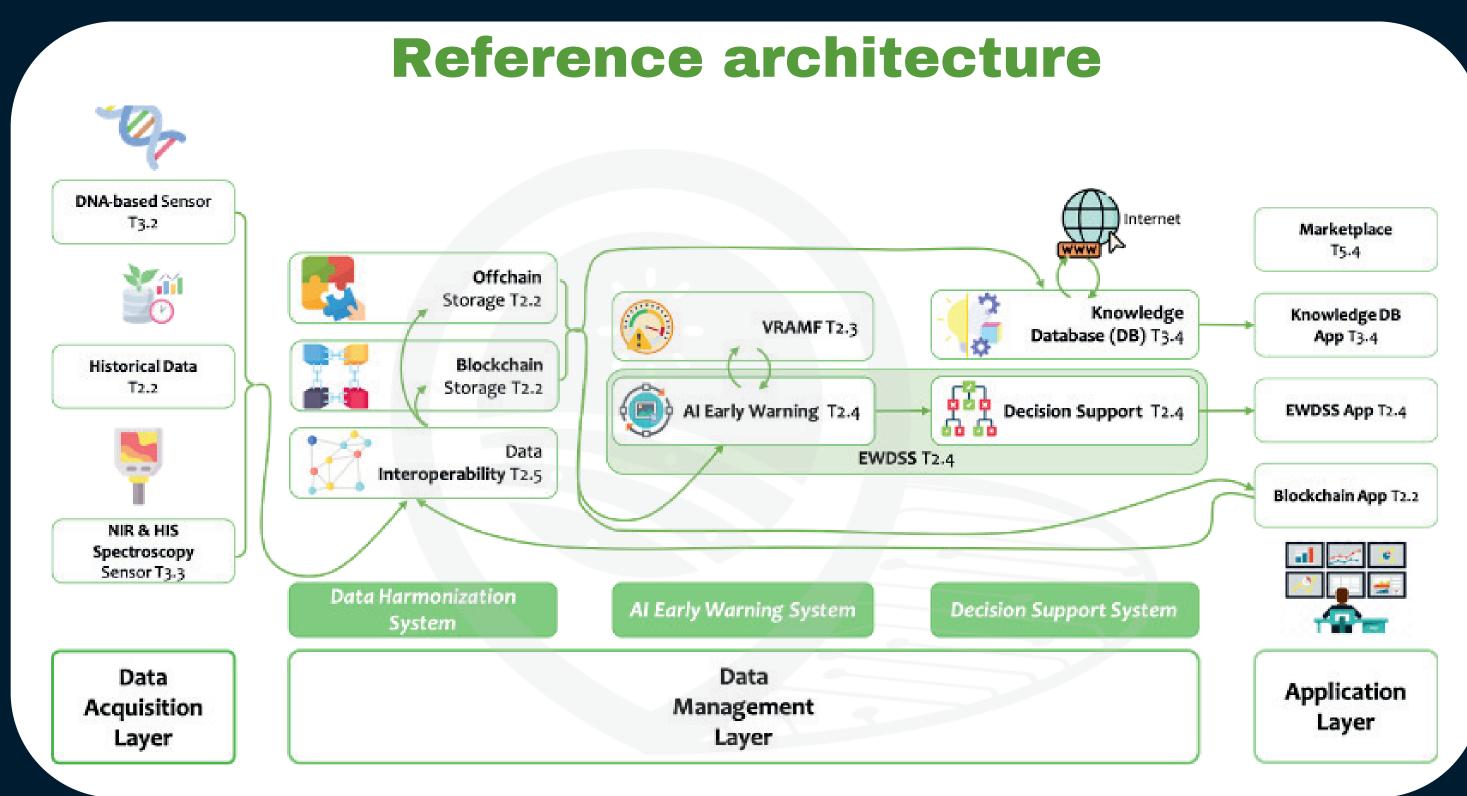
A PARADIGM SHIFT IN THE MANAGEMENT OF QUALITY LABELLED FOOD SUPPLY CHAINS

against food fraud



ALLIANCE will provide a holistic framework that safeguards data integrity and veracity, enhances traceability and transparency and reinforces interoperability in quality labelled supply chains of organic, PDO, PGI, and GI foods through innovative technology solutions.





Key Offerings



Blockchain Technology
Enhancing traceability with tamperproof records, enabling transparency
and verifying authentication of claims



Al Early Warning System
Analyzing data performance metrics
from various steps in the food value
chain and detecting patterns and
anomalies indicative of food fraud in
real-time, offering timely decisionmaking to food actors



Next-Gen Portable DNA Sequencing
For verification of the geographic
origin of EVOO utilizing specific
genetic markers confirming the
authenticity of the product



Predictive Analytics
Forecasting future risks with historical and real-time data analysis and identifying high-risk areas to proactively countermeasure vulnerabilities in the supply chain



Advanced Spectroscopy
Providing precise, rapid, and reliable analysis of Faba beans, ensuring their authenticity and safety throughout the value chain



Digital knowledge base
Providing and sharing comprehensive information on food products, supply chain practices, and known fraud incidences, informing involved stakeholders and actors

7 Demonstrators



Validating authenticity of PDO/PGI Extra Virgin Olive Oil through portable DNA fingerprinting









Building a digital knowledge base for Organic Honey combining in-hive sensors and lab tests





Portable NIR devices to detect bean substitution in the IGP Faba de Asturias supply chain





Improving transparency and traceability of PGI
Lika Potatoes via a blockchain-based data storage





Multi-residual analysis to detect pesticides and prevent mislabelling of organic pasta







Partners













































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