

FARZATI spa research | develop | innovation

Beyond traceability



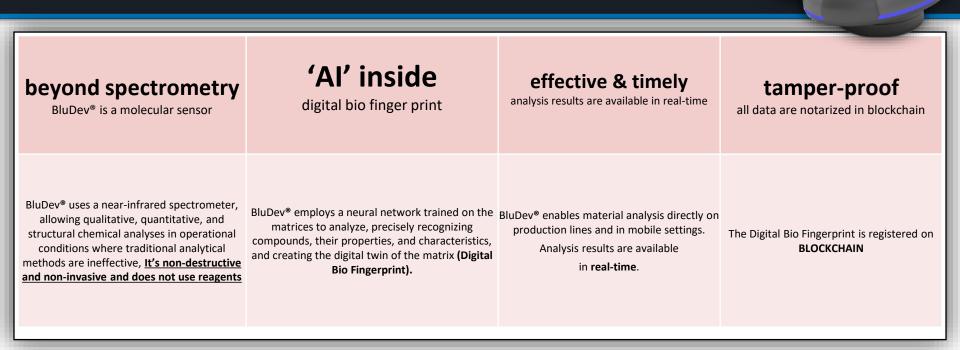
Domenico Cascone, Data Scientist domenico.cascone@farzati.it www.farzati.it ISSUES



| numbers | 67€ billions | 40€ billions | 60-100M recalled product |
|------------|---|---|--|
| unu | sales generated by IMITATIONS | impact of FOOD FRAUD in terms of cost | recalls due to CONTAMINATION, PRODUCTION ERRORS, and LACK of VERTICAL TRACEABILITY |
| challenges | | | |
| | ensuring TRANSPARENCY in the Supply Chain | develoy FR and ITALIAN SOUNS ING | developin SUST |

THE SOLUTION

Farzati has developed **BluDev®**, a proprietary technology (3 patents) that revolutionizes analysis and traceability systems.



Plulev®

TRACEABILITY | from standard to objective

before BluDev®

Standard traceability, quality assurance, and control systems rely on auditing, validation, and certification processes based on documentation and voluntary declarations.

| Industry | Example Systems | |
|----------------------------|---|--|
| Food | HACCP, ISO 22000, BRCGS, IFS | |
| Pharmaceutical | GMP, GS1 Standards, ISO 22716 | |
| Agriculture | Global G.A.P., USDA Organic Certification | |
| Automotive | ISO/TS 16949, AIAG Standards | |
| Textile and Apparel | OEKO-TEX Standard 100, GOTS | |
| Technology and Electronics | RoHS, ISO 9001 | |
| Environmental | ISO 14001, EMAS | |
| Healthcare | UDI, ISO 13485 | |
| Supply Chain and Logistics | GS1 Traceability Standards, ISO 28000 | |
| Fisheries and Aquaculture | MSC, ASC | |
| | | |

after BluDev®

BluDev[®] evolves traceability from being primarily documentationbased to became objective and data-driven.

Standard traceability faces the problem after it occurs, BluDev[®] prevents the problem from occurring.

"We certify the content, not the label"

COMPETITIVE ADVANTAGE

BluDev[®] surpasses the limitations of traditional tools for measuring organic and inorganic compounds, including spectrometers

| Efficient | It does not require constant calibration, only initial neural network training on matrix | Var Mozarella di bufala campana, Mozzarella di bufala campana, Intelligenza artificia dei Nerrarda di Bufala campana Distributer della di bufala campana, Intelligenza artificia dei Nerrarda dei Merarda di Merara |
|------------|--|--|
| Discerning | It recognizes the compound, not just its characteristics. | Sarah Treedings Take II provide Vinat Barah Spa. ha mesoa a punto Vinat Novamont, |
| Accurate | It is precise and reliable. | ta tracciabilità grazie all'uso di blockchain Innovazione |
| Continuous | It performs continuous analysis on production lines. | Purpose Turn de la decisión de decisión de la decisión d |
| Compact | Its dimensions can be compressed to the size of a tennis ball. | |
| Versatile | | |

IFARZATI

Tracciabilita' della filiera alimentare: la frontiera dell'impronta biochimica digitale E la start-sp cilentana Farzati Team, in partner innza di Roma, ad aver brevettato e n Jeranzia aggiuntiva di tracciabilità e la rintr

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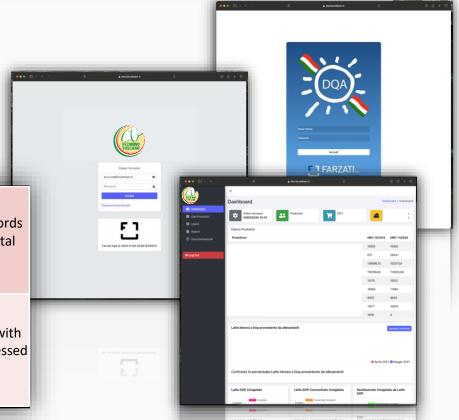
BUSINESS CASE TRACEABILITY PLATFORM

GOALS

Farzati has developed a software platform enabling complete traceability across production chains, already adopted by the consortia protecting **Pecorino Toscano DOP**, and Mozzarella di Bufala Campana DOP and by the leading national certification and inspection bodies, such as <u>D.Q.A, C.S.Q.A, QUALITALY, IZSM, IZSLT.</u>

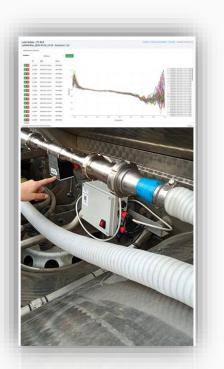
The platform is managed by Farzati on behalf of the Consortia and records every step from raw materials to finished products and creates a 'digital passport' certifying product quality, origin, and sustainability.

In the Pecorino Toscano DOP supply chain, the platform is integrated with BluDev® to trace the organoleptic characteristics of collected and processed milk, combating counterfeiting.

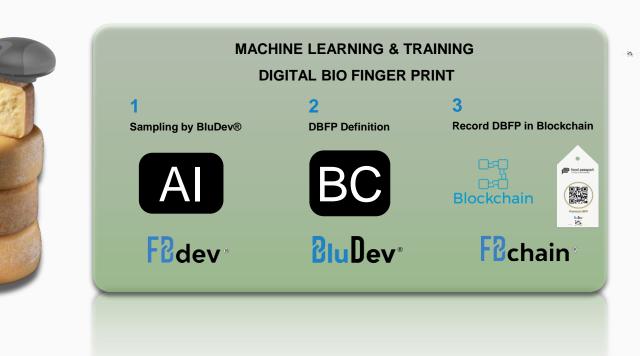




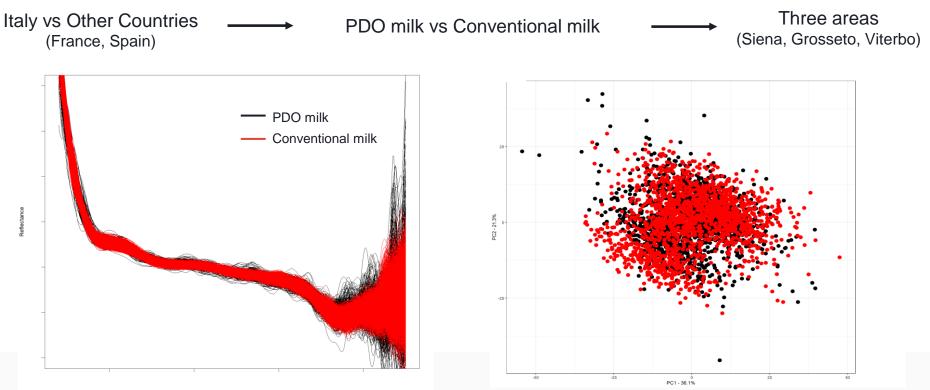




WORKFLOW



BUSINESS CASE



BUSINESS CASE



GOALS

Supply chain tracking can make the difference between virtuous farmers and counterfeiters.

SUPPLY CHAIN VIA BLUDEV® Ì. **FB**chain CERTIFED WARNING N° xxxx dd **Final Consumer** Logistic | Buyers | G.D.O. | Retail Transformation Roma, 18 Aprile 2023 | "L'innovazione digitale racconta una storia antica"

MEET THE TEAM

Founders Antonella Farzati, ceo Giorgio Ciardella, cro

Management

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Operational staff

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