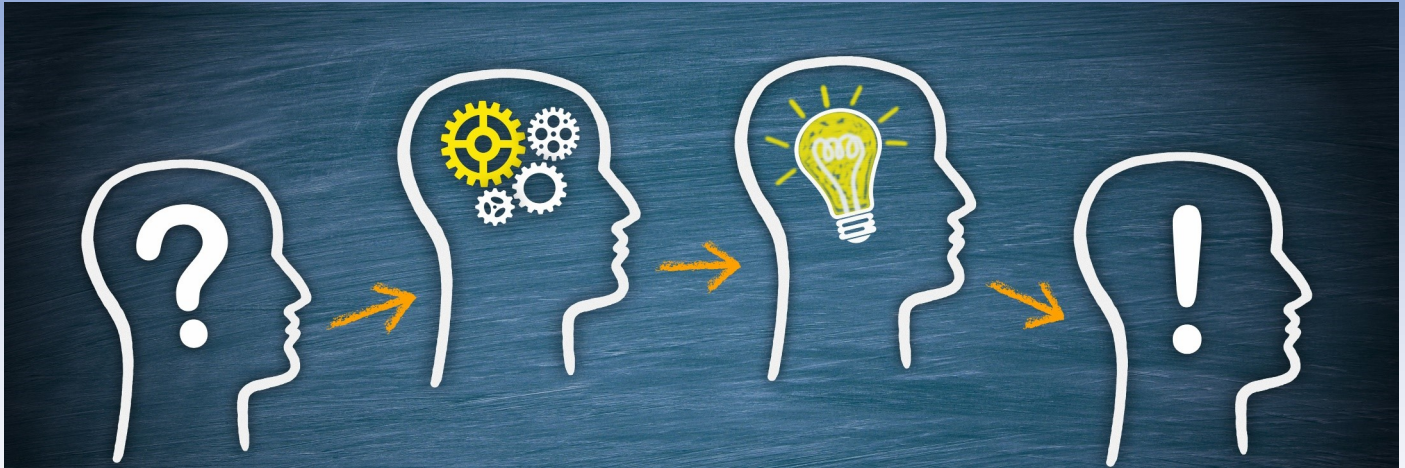




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BEACON—BE A COMPETENCE NOW

NEWSLETTER N.4—AUGUST / SEPTEMBER 2023

Beacons in the food sector

Experiments with the **BEACON** technology, enabling the simulation of real **productivity**, **sustainability** and **digitisation** problems that frequently occur in **industrial plants**, are going on. Today we present the training experiments conducted by the Italian school **ITIS GALILEI** in San Secondo Parmense, which offers courses in **food technology**, **information systems** and **accountancy**. Thanks to the support of the **FOOD FARM 4.0** Territorial

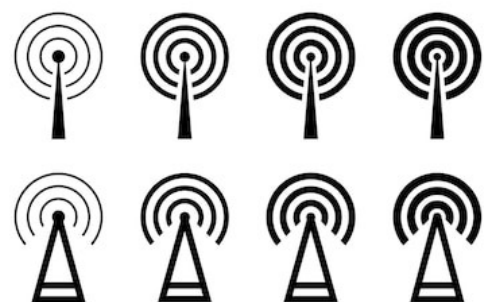
Laboratory for Employability in Parma, which has production plants for **bakery**, **dairy** and **can** products, the students observed

real industrial dynamics in the **food industry**.



Target Groups

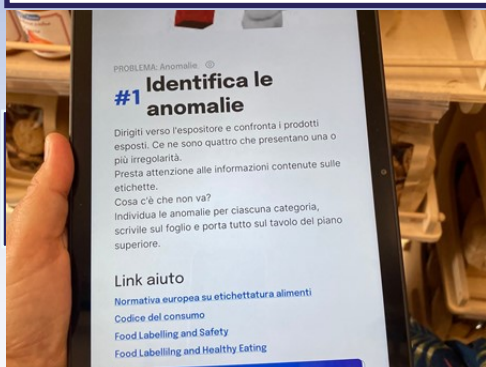
- ◆ VET students, especially those at risk of school failure or drop-off
- ◆ VET teachers and trainers
- ◆ Corporate managers & technicians from the EU strategic manufacturing & industrial sectors



SIGNAL ICON

“BEACON” Problems in the production of jams and fruit & veggie preserves

The application of **Beacon** technology to the **food industry** made it possible to detect a **refractometer calibration** problem in real time and to propose a solution to the identified problem. In the production of **extra jams**, in fact, the **sugar** content is regulated by national legislation and must be checked by the **quality assurance laboratory** before the product can enter the **retail shops**.



Steps to solve in the “BEACON” problems in the accountancy and trade fields

In the **accountancy study** course, the **Beacons** made it possible to quickly **identify anomalies** and inaccuracies in the **labels** applied to **food products** and to correct errors that make it impossible to sell the products at the **retail shops**. Given the **participative** and **experiential** nature of the activities, the experimentation also allowed the involvement of a number of **students with learning disorders** and **special education needs**, who benefited from the **support** of both the **teachers** and the **peer group**, in a virtuous and **inclusive educational cycle**.



Coming Next

The next steps in the project implementation will be about setting up a **Validation Panel** in each country, asking **sector-specific experts** to validate the Beacon programs and to identify criteria for **cross-sector exploitability**. In Autumn 2023 each country will deliver **Multiplier Events** at local level and **final meeting in Iasi, Romania**, will take place in November 2023.



PARTNERSHIP

