

PARTNERS



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Project funded by



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
**State Secretariat for Education,
Research and Innovation SERI**

wheatwatcher.eu

Safe wheat agriculture towards sustainable health

Innovative sensing techniques, and holistic spectroscopy traceability for improved soil, plant health and safe wheat grain

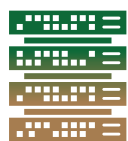


OBJECTIVES

To **develop** an integrated soil monitoring system that **evaluates** nutrients and stressors affecting wheat from growth to flour production, **providing** farmers, millers, and policymakers with tools to **ensure** safe and high-quality food.



1



DATA ECOSYSTEM

Build a sensing system with four platforms to gather comprehensive field data.

2



STRESS ANALYSIS

Study soil stressors in a controlled environment and create tools to monitor crops during growth.

3



CLOUD PLATFORM

Develop a web-based platform to store and merge soil and plant data for better insights.

4



SOIL MAPPING

Automate soil health predictions and map sampling points efficiently.

5



DECISION SUPPORT SYSTEM (DSS)

Integrate experimental data and models into a decision-making tool for soil and crop management under stress.

6



FIELD DEMONSTRATION

Test WHEATWATCHER in real fields under different stress and nutrient conditions.

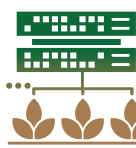
7



TRACEABILITY

Track contaminants in wheat from origin to processing to ensure food safety and quality.

8



INNOVATION SCALING

Promote WHEATWATCHER's solutions across Europe to enhance the soil-food system and support upscaling efforts.

GENERAL SPECIFIC