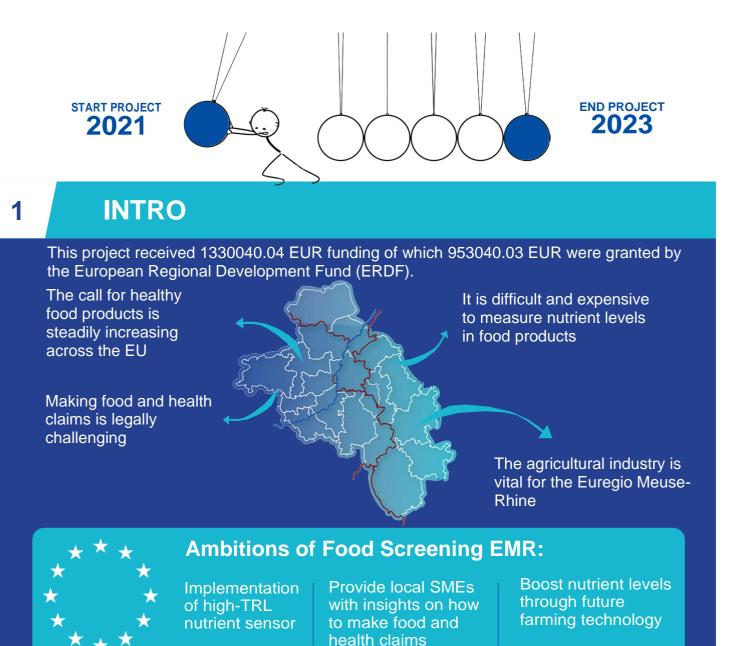


PUBLIC REPORT Food Screening EMR (2014-2020)

## " Nutrient-rich food does not necessarily mean healthy food ."



To make substantive improvements in **future farming technology for healthy food**, **universities and SMEs** have joined forces, resulting in **Food Screening EMR** 

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# **OUR ROAD TO RESULTS**





- Development of nutrient sensor technology:
- Business case on useful nutrients for EMR relevant crops (literature study)
- Development of 2 industrial prototypes to demonstrate the ecomic potential of low-cost sensors in future farming



- 2. Training local SMEs on how to market their products via food and health claims:
  - Study legal framework in different member states
  - Develop decision tool
    - Organize coaching sessions to teach SMEs how to make claims





3. Evaluation of future farming approaches to boost the nutrient levels of EMRrelevant crops:

- Identify relevant crops by interacting with regional food producers
- Set-up greenhouse experiments to identify the effect of novel cultivation techniques on the nutritional level in resulting crops
- Measure effect and summarize findings in strategic report

## **RESULTS AND DELIVERABLES**

### 3 main results:



3

### 1. Vitamin Sensor:

Portable, sensor prototype for the detection of vitamins in liquid food products



#### Easy-to-use algorithm that allows food producers to immediately assess if and how they can make claims on their products



### 3. Vitamin boost by changing light spectrum:

Food Screening EMR developed a protocol to boost the nutrient level in spinach by optimizing the level of blue light in a greenhouse

### Supporting materials for raising awareness and provision of information

- 1. <u>https://www.euronews.com/embed/1996476</u>
- 2. https://ieeexplore.ieee.org/document/9877730



#### **CO-FINANCERS**









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### <http://foodscreeningemr.eu/>

