

# Digital Solutions for Smart Food Supply Chain

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## Motivation and Description of Work

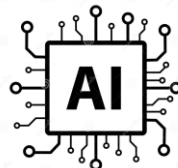
1. **Food waste** is a major problem in the current economy, equalling **20%** of all food produced in the EU.

- plate waste in healthcare facilities → **6 to 65%**
- hospitalized patients suffer from the risk of malnutrition
- the prevalence of malnutrition in hospitals → **40%**
  - increased healthcare costs
  - prolonged length of stay
  - unfavourable prognosis

## Solutions?

ADCATER project → development of a smart “farm to fork” platform

- The integration of **AI** and **traceability** elements monitoring the entire supply chain;
  - AI methods to **estimate the consumed food**, not only served food;
  - Stakeholders engagement – **Decision Support Tools**
- Food shortages and models of nutritional indicators**



## Results

ADCATER → **Demand Driven Supply Network methodology**

