GreenTr⬤pism

AI for photonic sensors in food & agroindustry

Katia Chernysheva - PM, PhD

OUR OFFER

Consulting

> Define HW specs upon application
> Test & evaluation of HW
> Sourcing and scouting of HW

DB creation and application

> Data generation & collection
> Chemometrics & AI applied
> HW/SW communication

Multi-modal sensing

> Spectroscopy (VIS, IR, Raman,...)
> Hyperspectral imaging
> Focus on miniature sensors

A multidisciplinary 12 pax-team in action:

> lab measurements

> software development

> **data sciences** (machine learning, deep learning, statistics, signal processing, chemometrics)

> product integration (software, GUI,...)

MAIN MARKETS AND APPLICATIONS

Smart farming
- Raw material control
- Soil, fruits, vegetables characteristics

Smart Industries
- Raw material control
- Process optimization
- Ensure product quality

Counterfeit products detection
- Field/embedded control

Recycling & waste valorization
- Sorting
- Waste sourcing and valorization
- Civil engineering, plastics and biowaste