The Smart-AKIS Network

Closing the Research and Innovation Divide in the area of Smart Faming Technology

Background and Introduction

Smart Farming Technologies (SFT) refers to :
- farm management information systems
- precision farming and
- agricultural automation and robotics

Benefits

- more efficient use of inputs
- increased work speeds and comfort
- improved decisions

The problem

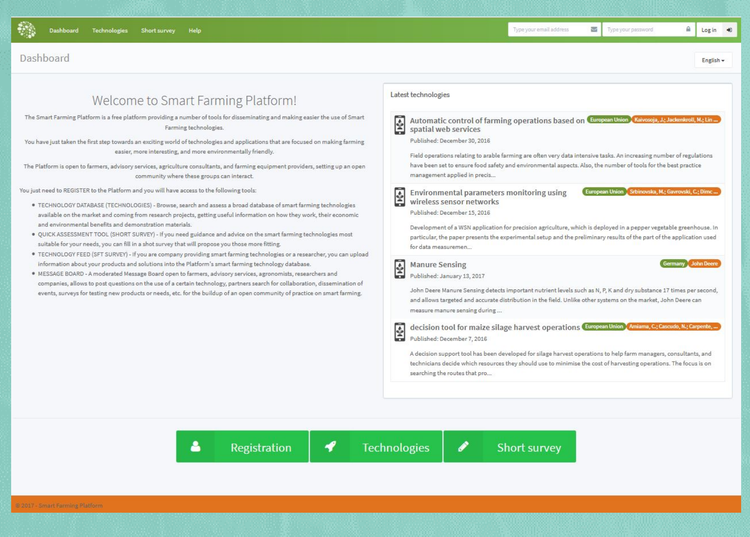
ICT is causing such fast development in **Smart Farming Technologies (SFT)** and researchers, equipment suppliers, advisors and certainly farmers are struggling to keep up with the technologies available.

The Smart-AKIS Solution

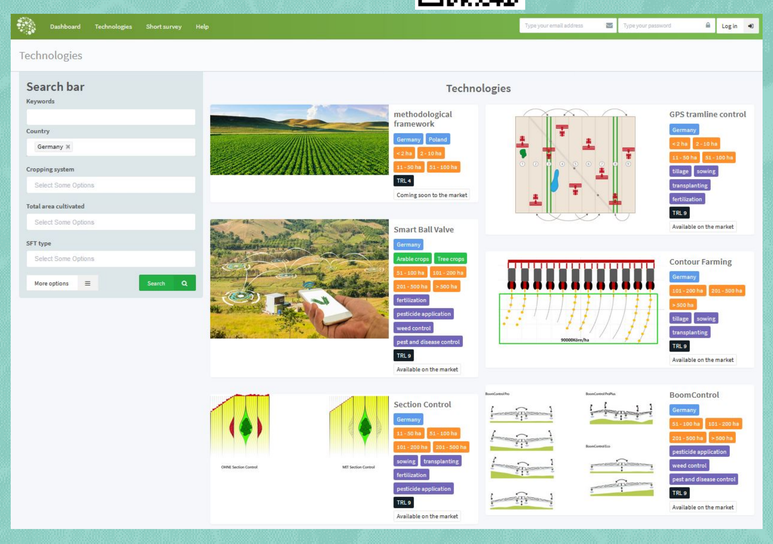
The Smart-AKIS thematic network (www.smart-akis.com) aims at **effective exchange** between industry, applied research, agricultural advisors and the farming community to **close the gap** between research and practice in SFT applied in crop production.

Smart Farming Platform https://smart-akis.com/SFCPPortal

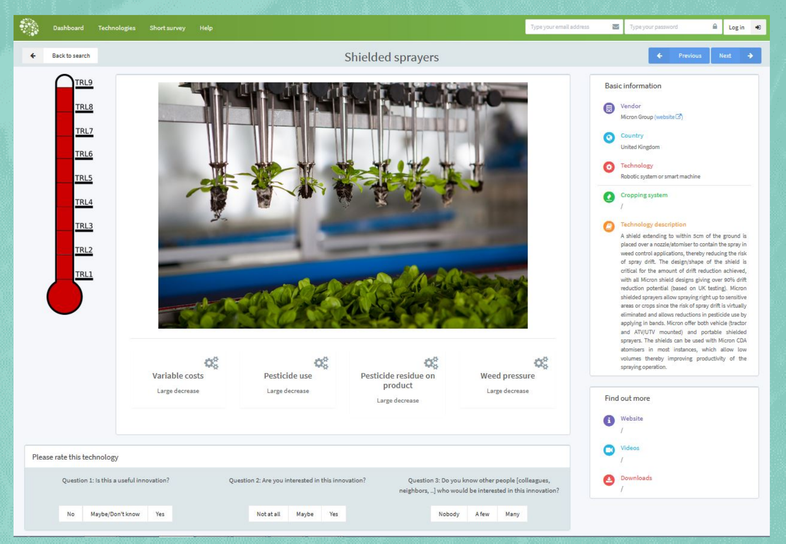
Submit your SFT now!



The Platform



The search engine



Example of Technology Card

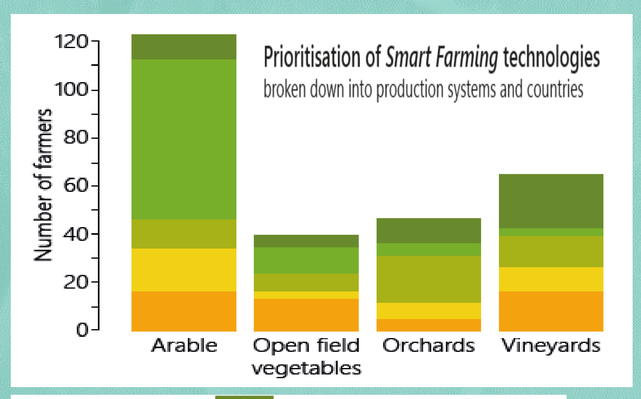
- 1094 SFTs have been included already in the Platform
- 172 entries are for commercial products (**FREE of charge promotion of SFTs**)
- 719 articles (and growing quickly) and 203 projects included
- TRLs is more than "5" (*Technology validated in relevant environment)*

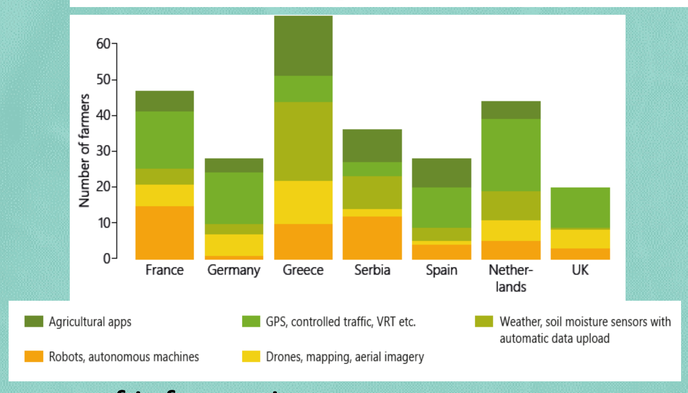
Farmers Survey

- 271 farmers from 7 countries surveyed for their needs and interests on Smart Farming

Results

- Crop disease and soil conservation main challenges
- SFT perceived to reduce inputs and improve productivity
- SFT perceived to have no environmental benefits
- Most useful SFT are considered as:
  - ❑Robots for monotonous tasks
  - ❑Real time diagnostics with drones
  - ❑Integrating SFT systems
  - ❑Data for information and decision support
- High cost and poor compatibility are barriers.
- Advisors, farmers and agri-tech providers are main sources of information





Why follow Smart-AKIS?

www.smart-akis.com

It is a Thematic Network that:

- Creates an **easily-accessible online inventory** of direct applicable Smart Farming Technology solutions from research results and commercial applications named **Smart Farming Platform**.
- Assess end-user needs and interests, and identify factors influencing adoption in regional level
- Organise Regional Innovation Workshops in 7 countries to adapt the inventoried technologies to regional context and capture grassroot-level ideas for the development of innovation projects.
- Hold Transnational Innovation Workshops to widen this process in the EU level for cross-border collaborations.

SMART AKIS PARTNERS:

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