

Smart AKIS- Smart Farming Network

Harm Brinks
Delphy

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Smart AKIS



- EU HORIZON 2020 project**
 - Thematisch netwerk: smart farming technology
- SMART AKIS PARTNERS**
- Projectdoelen**
 - Stimuleren innovatie van SFT
 - Genereren project ideeën
 - Realiseren nieuwe MA-projecten (ambitie NL = 5)
- PROJECT ACTIVITEITEN**
 - Enquête onder EU boeren en tuinders
 - Inventarisatie aanbod SFT in Europa
 - Website
 - Netwerk en communicatie activiteiten
- PROJECT PERIODE: 2016-2018, vervolg aangevraagd**

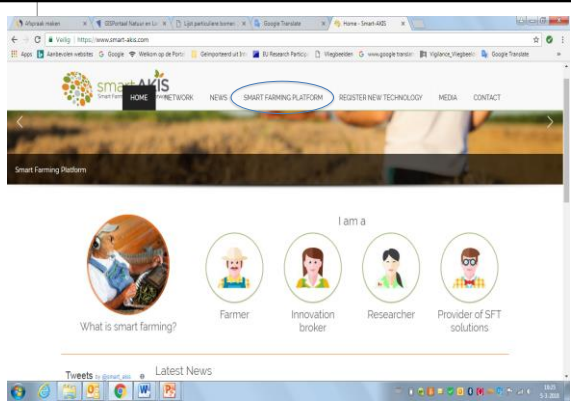
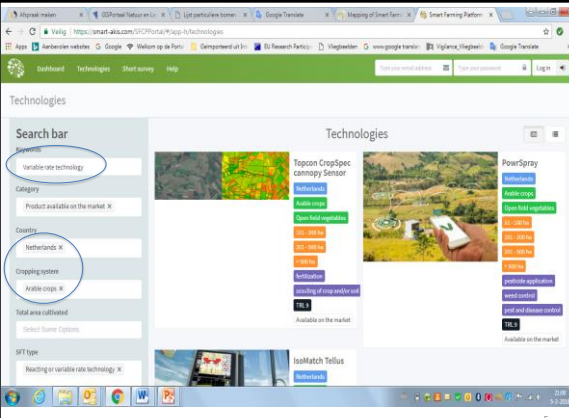
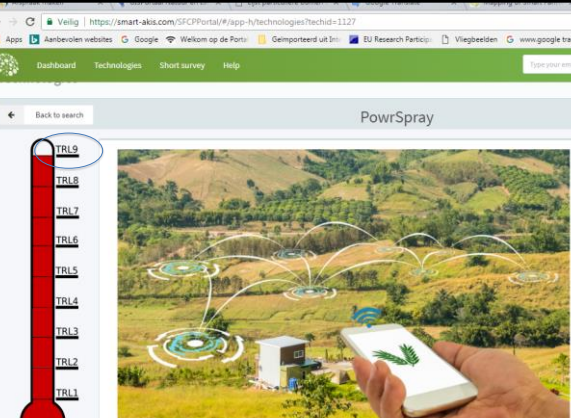
SMART AKIS PARTNERS:





Smart AKIS web portal

www.smart-akis.com

TRL Technology Readiness Level

- 1 Basic principles observed
- 2 Technology concept formulated
- 3 Experimental proof of concept
- 4 Technology validated in lab
- 5 Technology validated in relevant environment
- 6 Technology demonstrated in relevant environment
- 7 System prototype demonstration in operational environment
- 8 System complete and qualified
- 9 Actual system proven in operational environment

The screenshot shows the 'Technologies' section of the smartAKIS portal. On the left, there is a search bar with filters for 'Keywords', 'Category' (with 'Research project X' selected), 'Country', 'Cropping system', 'Total area cultivated', 'SFT type', and 'SFTs with the effects on'. On the right, several technology cards are displayed, including 'Agroptima' (a multi-sensor system), 'ifarma-ffa' (a multi-sensor system), and 'Cloud-based harvest management information system'. A pie chart and a bar chart are also visible in the lower left of the technology section.

The screenshot shows a survey titled 'Please rate this technology' with a red thermometer graphic. The survey asks three questions: 'Question 1: Is this a useful innovation?', 'Question 2: Are you interested in this innovation?', and 'Question 3: Do you know other people (colleagues, neighbors, etc.) who would be interested in this innovation?'. The survey is for the technology 'Agroptima' and includes a 'Find out more' link.

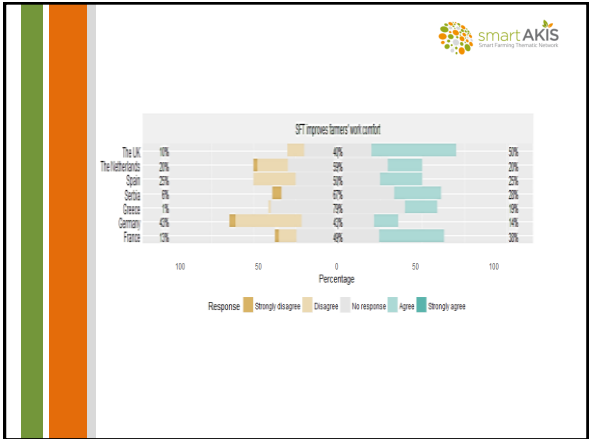
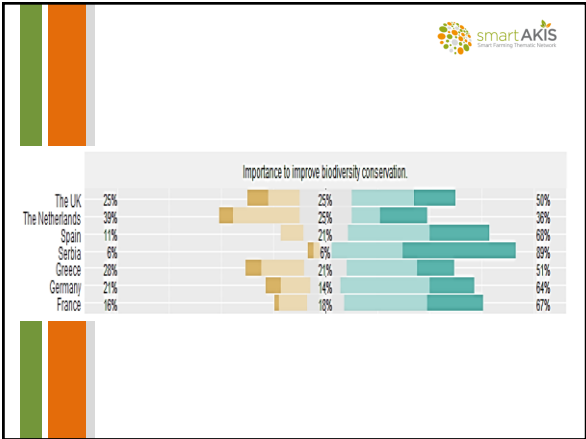
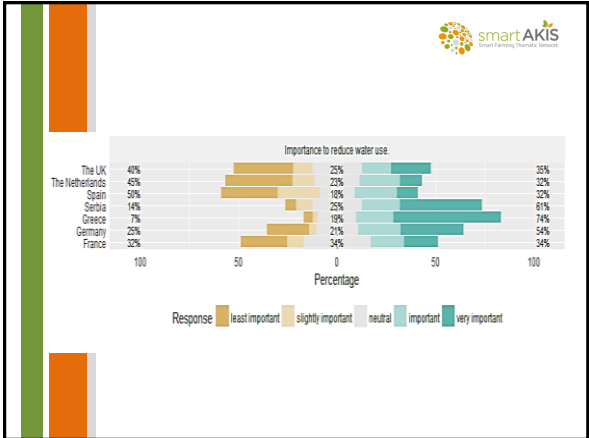
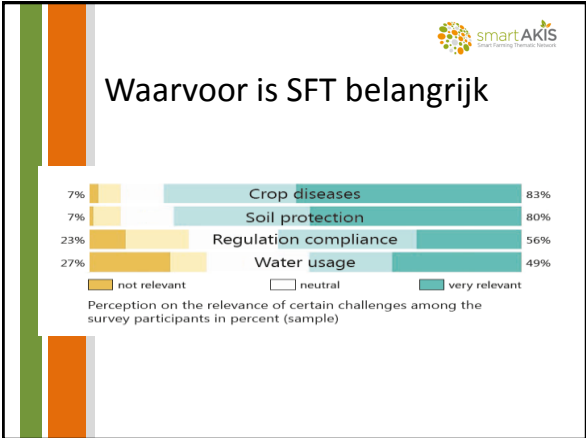
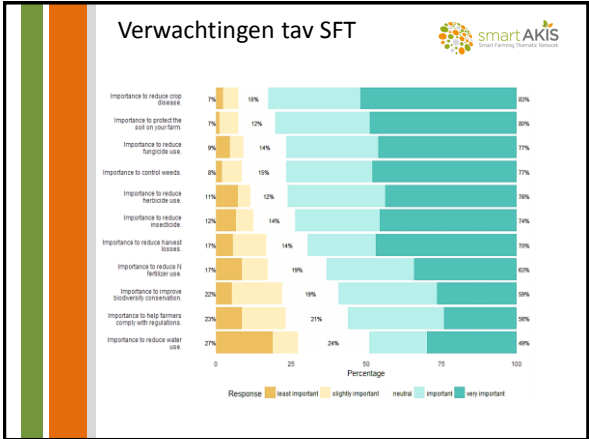
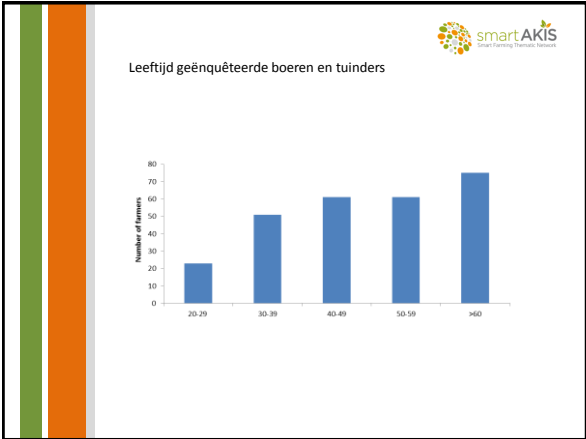
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16 Nederlandse producten

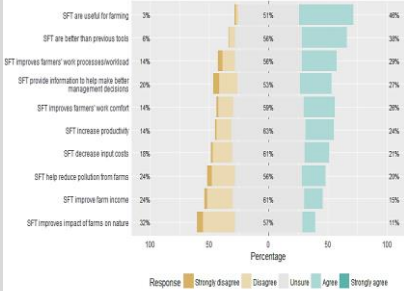
The screenshot shows the 'Technologies' section of the smartAKIS portal, displaying 16 Dutch products. The products are categorized by 'Region' (North, Central, South) and 'Cropping system' (Open field, Protected). The products include 'Regionale applicatie', 'Sampling application', 'PowerSpray', and 'Sensor data application'. Each product card shows a brief description and a 'Find out more' link.

Netwerken in Europa

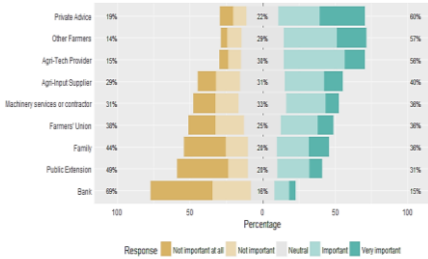
The screenshot shows a map of Europe with a network of smart farming initiatives. The map is titled 'Category of Initiative Network' and shows the locations of various smart farming initiatives across Europe. A legend indicates the types of initiatives: 'Smart Farming Platform', 'Smart Farming Platform', 'Smart Farming Platform', and 'Smart Farming Platform'. The map also shows the locations of smart farming initiatives in the Netherlands, including 'Den Haag', 'Zaanstad', 'Zaanstad', and 'Zaanstad'.



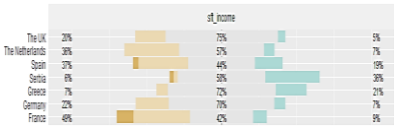
Mening over SFT



Belangrijkste bronnen van informatie
✓ Private UK 84%, NL 80%, Germ. 79%
✓ Public Spain 57%



SFT draagt bij aan hoger inkomen

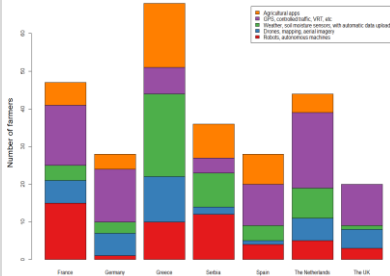


Belangrijkste uitdaging?!

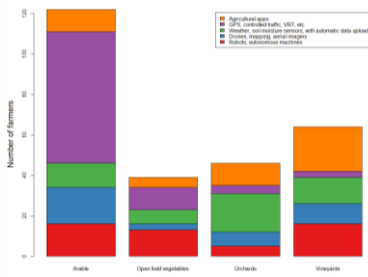
4 barrières voor adoptie:

- Toegang tot SFT
 - Kosten en infrastructuur
- Het 'systeem' op zich
 - Maak gebruik simpeler
 - Compatibiliteit van toepassingen
- Individuele toepassingen
 - Betrouwbaarheid
 - Complexiteit toepassingen
- Data issues
 - Veiligheid
 - Data uitwisseling

Interessante toepassingen per land



Interessante technieken per sector





Samenvatting

- Boeren en tuinders verwachten veel van SFT
- Nog te weinig interessante toepassingen, kosten versus baten
- Toepassingen nog te ingewikkeld
- 'We hebben een kopgroep, maar het peloton is nog niet in de achtervolging'

FURTHER INFORMATION

32



- WEBPORTAL: www.smart-akis.com
- FACEBOOK: @SmartFarmingNetwork
- TWITTER: @smart_akis



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SMART AND PARTNERS:

