FARM

Technical issues concerning the FARM-Dashboard (IO 1) and its usage for IO2 and IO4

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FARM Dashboard

Results (Intellectual Outputs)

The results developed in the project (so-called intellectual outputs) are summarized here.

▶ 1 - An online map and dashboard of European ICT and DSS Hotspots

▶ 2 - An online catalogue on the existing ICT and DSS tools in ARD

▶ 3 - Two prototype DSS tools

▶ 4 - Educative training material for DSS in ARD

Dashboard generation (1)

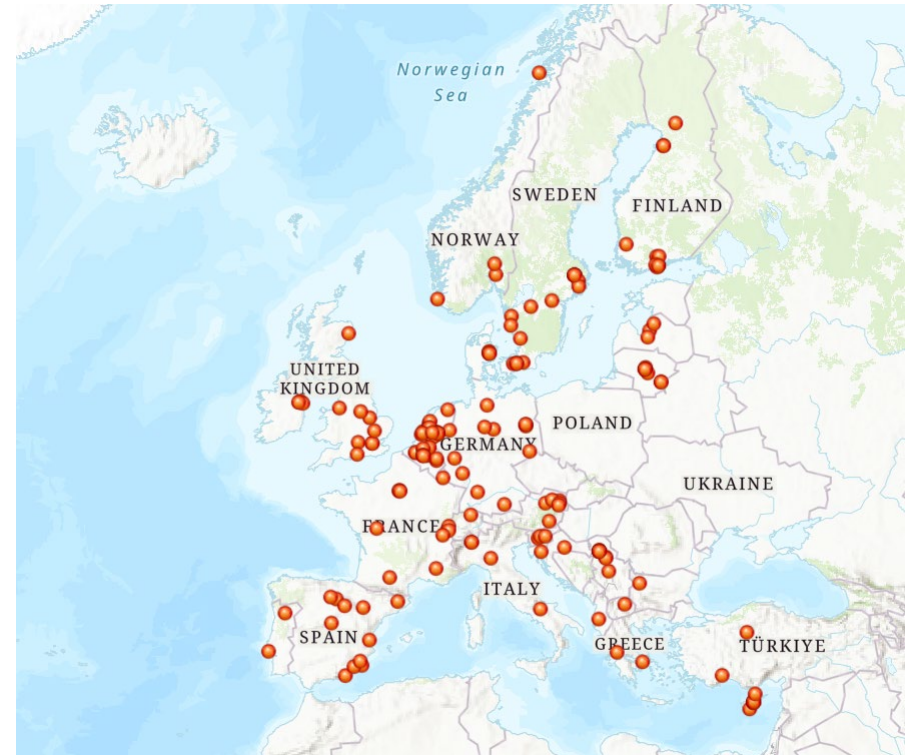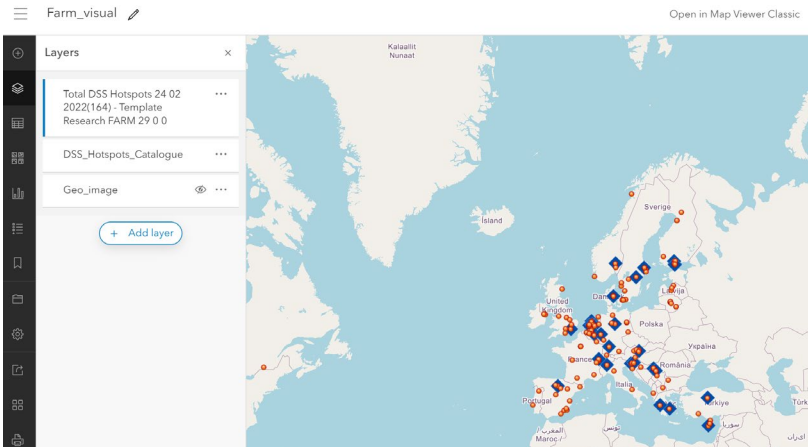– The dashboard has been realized with the software ArcGIS-Online

ArcGIS Online

Verbinden Sie Menschen, Orte und Daten mithilfe von interaktiven Karten. Arbeiten Sie mit intelligenten, datenbasierten Styles und intuitiven Analysewerkzeugen. Geben Sie Ihre Erkenntnisse für alle Benutzer oder nur für bestimmte Gruppen frei.

Erfahren Sie mehr zu ArcGIS Online

Anmelden

An online GIS that is easy to handle and enables users to develop maps, story maps, dashboards and other online information tools with large support

Dashboard generation (2)

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- – As responsbile institution for IO 1, we used our universites' account for ArcGIS online.
- – However, it is possible to develop applications locally, but disseminate results publicly (for instance, for FARM partners, but also the general public)

Dashboard generation (3)

– Map generation using ArcGIS online

– Goal: a European map with „DSS-Hotspots"

Dashboard generation (4)

- Behind the map is a huge database of attributive information on the DSS-Hotspots (including coordinates)
- The database resulted from intensive research on Hotspots by the HSH and all other FARM partners
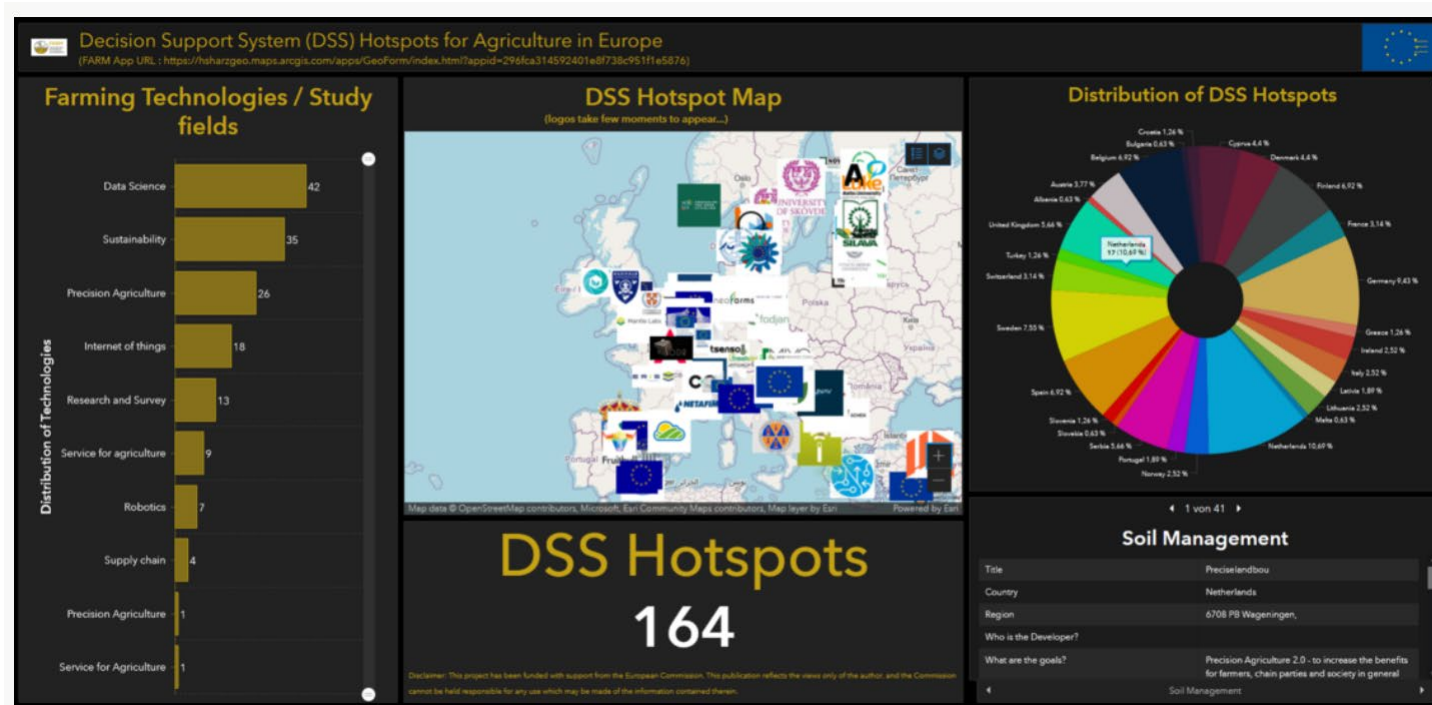
Dashboard generation (5)

A1		f_x	Title,Country,Region,Who is the Developer?,What are the goals?,climate change,soil management,water management,economic aspects,other

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Title,Country	Region,Who is the Developer?,What are the goals?,climate change,soil management,water management,economic aspects,other aspects,Literature,Technologies_Study field,Useful links,Lat,Long,Ob
2	Mythronics,Netherlands,"Molengraaffsingel 12, 2629 JD Delft, Netherlands",Soheil Jahanshahi,"B2B startup committed to developing AI technologies empower modern farmer,",,,,,"Crop health monitoring, man
3	connecterra,Netherlands,"Connecterra B.V.
4	Kraanspoor 50
5	1033 SE Amsterdam","investor: Sistema Venture Capital, AgFunder","To train an Artificial Intelligence to learn how to farm, so we can empower farmers of all sizes to increase productivity of their farms, while r
6	Gearbox Innovation Makers,Netherlands,"Gearbox Innovations BV
7	Nollaantje 42C
8	2676BW Maasdijk",SIMONE,"Smart cameras
9	with practical vision",,,,,Analysing quality with the help of AI,,Data science,https://gearboxinnovations.com/contact/,52.0182486,4.209882695,3,4.209882695,52.0182486
10	Preciselandbou,Netherlands,"6708 PB Wageningen, ",,"Precision Agriculture 2.0 - to increase the benefits for farmers, chain parties and society in general and increasing agricultural sustainability.",weather info
11	Wageningen University & Research",Precision Agriculture,https://www.precisielandbouwprojecten.nl/en/plb/PL-Projects/PL-2.0.htm,52.00115116,5.670217006,4,5.670217006,52.00115116
12	AeroVision ,Netherlands,"Stadsring 47 (3rd floor)
13	3811 HN Amersfoort",,independent procurement advisor of (geo-)information., ,,,"Farmers have an individual need for timely and regular delivery of crop and plot information, but individually the farmers canno
14	terrasphere,Netherlands,"Keizersgracht 125-127
15	1015 CJ Amsterdam
16	
17	The Netherlands",,Our business is to analyse and extract information from Earth Observation Satellites. We provide actionable data and business intelligence on crops throughout the world,,satellite-based intelli
18	ISOgroup ,Netherlands,"Middelkampseweg 9
19	5311 PC Gameren",Wim van der Meyden,automate labor intensive tasks within the international horticultural industry.,Robotics and Machinery for Horticulture sector,Robotics and Machinery for Horticulture s
20	Corizon,Netherlands,"Corizon BV, Oude Boteringestraat 71, 9712 GG Groningen, Netherlands",,"AgroSense: key between the measurements in and on the field, and the specific knowledge you have of your farm.
21	Visualize yieldmaps
22	Explore data
23	Visualize part fields
24	Create treatment zones",Data Analytics,https://corizon.nl/,53.31738215,6.558347669,8,6.558347669,53.31738215
25	efarmer,Netherlands,"Laan van Kronenburg 14, 1183 AS Amstelveen, The Netherlands",Michael Utkin,Precision agriculture technology for all the farmers in the world,cloud applications for agriculture,The netw
26	National Institute for Public Health and the Environment,Netherlands,"Antonie van Leeuwenhoeklaan 9, Bilthoven",,"Minister responsible
27	Hugo de Jonge","Health, Welfare and Sport",,,,Data collected for the purpose of DSS.,The organisation has data for food composition and national food consumption survey,Data Analytics,https://www.rivm.nl/e
28	serket-tech,Netherlands,"Borneolaan

– More information on each Hotspot was collected, and summarized as information which is clickable in the map

Dashboard generation (6)

– Finally, the map (and the underlying data) was integrated into a Dashboard, thus providing all information in a user-friendly manner
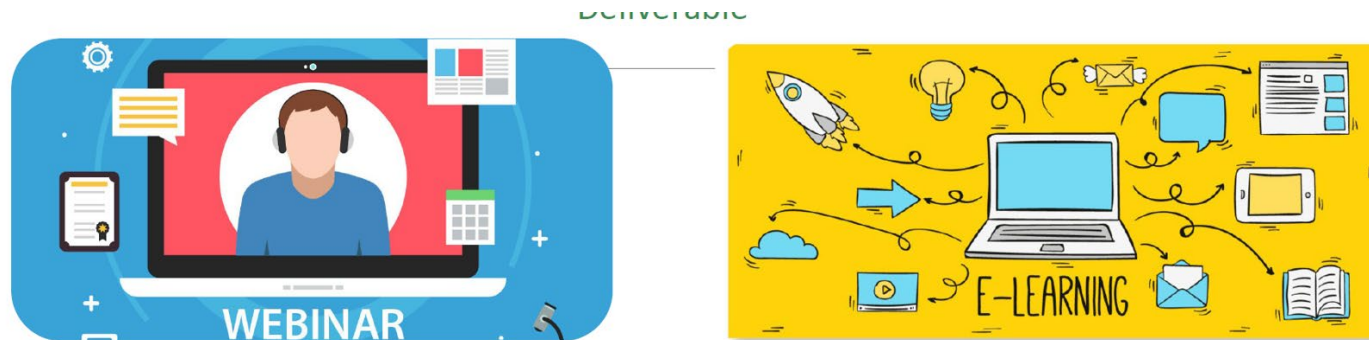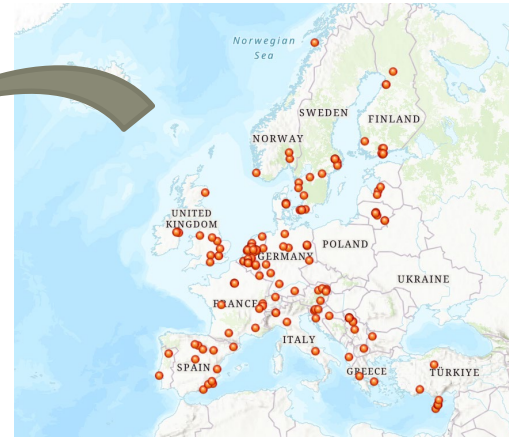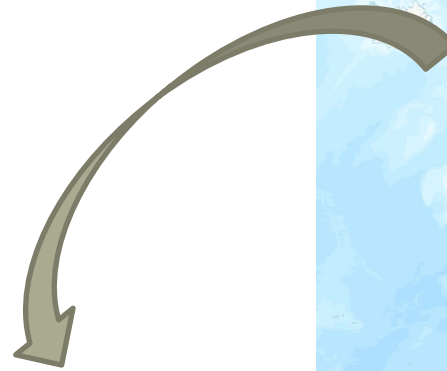
How to use the FARM dashboard for IO 2

In IO 2, a selcetion of DSS-Hotspots will be presented in an online catalogue

The catalogue is usable as information material for farmers, agricultural consultants, scientists, and students in agricultral faculties interested in DSS

Using the dashbaord in IO4

Deliverable

WEBINAR

E-LEARNING

The dashboard can deliver basic information on DSS in agriculture and land development for the webinars, videos and other eLearning products that are produced within FARM

Thank you for your attention

Are there questions?

▲ **Hochschule Harz**
Hochschule für angewandte Wissenschaften

FARM project
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