

SmartROOT - Output 3

SmartROOT Virtual Farm Hub

Virtual Farm Hub

INFALIA

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1 General Information about the Virtual Farm Hub platform

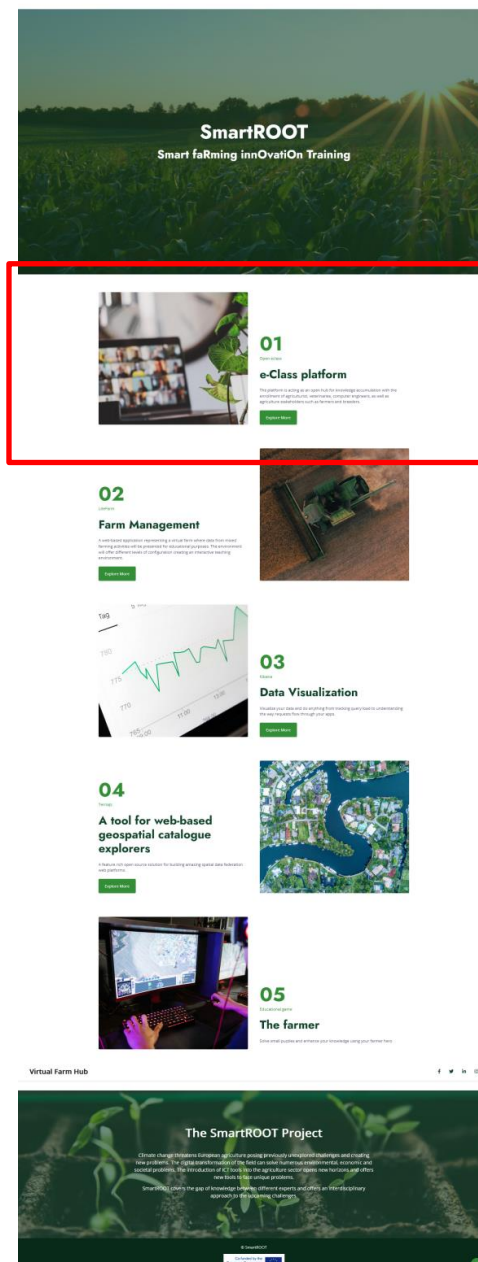
This is the landing page of the Virtual Farm Hub platform that gathers together and provides access to an umbrella of training tools, which have been developed under the Intellectual Output 3 (IO3) of the SmartROOT project.

2 Walkthrough the navigation page of the Virtual Farm Hub platform

The navigation page of the Virtual Farm Hub platform (IO3) <https://virtualfarm.infalia.com/> allows access to five different tools.

2.1 1st tool: e-Class platform

The 1st available tool of the Virtual Farm Hub platform is the e-Class platform <https://eclass.smartroot.eu/>.



2.2 2nd tool: Farm Management

The 2nd available tool of the Virtual Farm Hub platform is the Farm Management tool <https://litefarm.infalia.com/>.

SmartROOT
Smart farming innOvatiOn Training

01
Open access
e-Class platform
This platform is acting as an open hub for knowledge accumulation with the involvement of agricultural scientists, extension agents, as well as agricultural stakeholders such as farmers and breeders.
[Open More](#)

02
Open access
Farm Management
A web-based application representing a virtual farm where data from mixed farming practices will be processed for operational purposes. The environment will offer different levels of configuration ranging in the tractor loading management.
[Open More](#)

03
Open access
Data Visualization
Visualize your data and see farming from through dashboards understanding the way requires from through your apps.
[Open More](#)

04
Open access
A tool for web-based geospatial catalogue explorers
A feature rich open source solution for building exciting spatial data exploration and patterns.
[Open More](#)

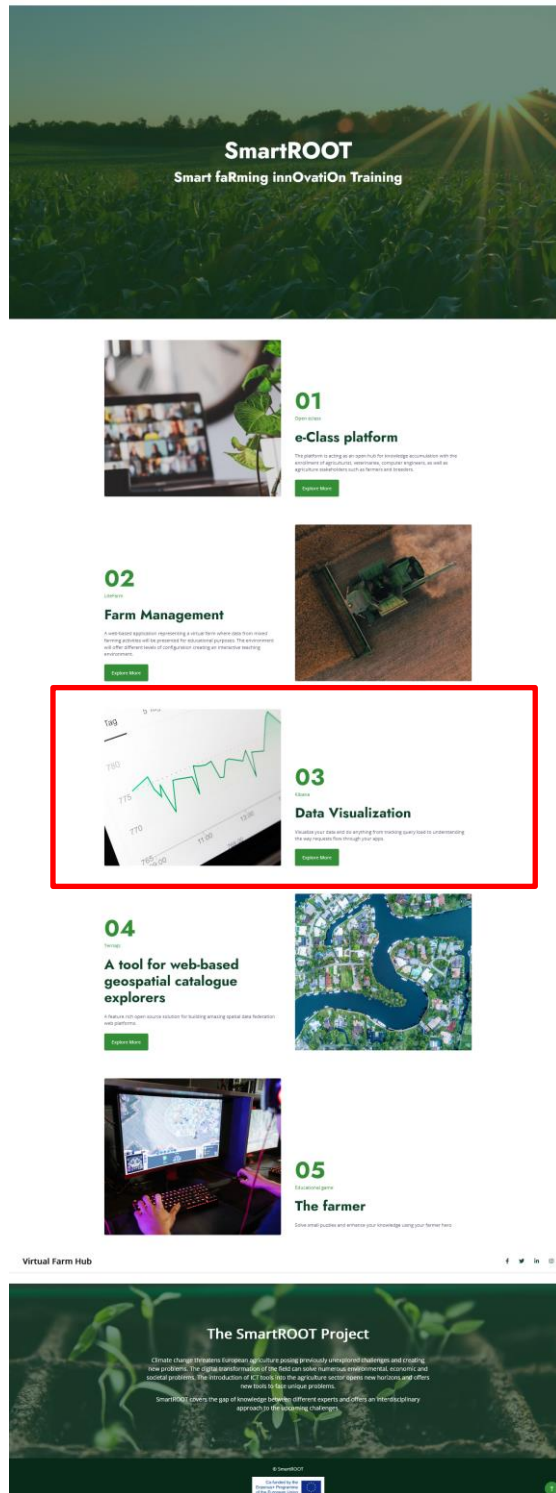
05
Open access
The farmer
Share your guides and enhance your knowledge using your farmer here.
[Open More](#)

Virtual Farm Hub

The SmartROOT Project
Climate change threatens European agriculture posing primarily environmental challenges and creating new problems. The digital transformation of the field can solve numerous environmental, economic and social problems. The introduction of ICT tools into the agriculture sector opens new horizons and offers new tools to face unique problems.
SmartROOT covers the gap of knowledge between different experts and offers an interdisciplinary approach in the sustainable business.
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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101019719.

2.3 3rd tool: Data Visualization

The 3rd available tool of the Virtual Farm Hub platform is the Data Visualization tool <https://cattle.infalia.com/>.



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Farm Management
A web-based application representing a virtual farm where data from mixed farming practices will be processed for operational purposes. The environment will offer different levels of configuration coverage in the tractor tracking environment.

03
Open access
Data Visualization
Visualize your data and see farming from through dashboards understanding the way requires from through your apps.

04
Open access
A tool for web-based geospatial catalogue explorers
A feature rich open source solution for building exciting spatial data exploration and patterns.

05
Open access
The farmer
Share small updates and enhance your knowledge using your farmer here.

Virtual Farm Hub

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Climate change threatens European agriculture posing primarily environmental challenges and creating new problems. The digital transformation of the field can solve numerous environmental, economic and social problems. The introduction of ICT tools into the agriculture sector opens new horizons and offers new tools to face unique problems.
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2.4 4th tool: A tool for web-based geospatial catalogue explorers

The 4th available tool of the Virtual Farm Hub platform is a tool for web-based geospatial catalogue explorers <https://terria.infalia.com/>.

SmartROOT
Smart faRming innOvatiOn Training

01
e-Class platform
The platform is acting as an open-hub for knowledge accumulation with the acquisition of agricultural experiences, continuous updates, as well as agricultural problem-solving such as farmers' needs and issues.

02
Farm Management
A user-based application representing a virtual farm where data from various farming activities will be generated for educational purposes. The environment will offer different levels of configuration creating an interactive learning environment.

03
Data Visualization
Visualize your data and do anything from building beautiful data dashboards and galleries.

04
A tool for web-based geospatial catalogue explorers
A feature-rich open-source solution for building engaging spatial data exploration and galleries.

05
The farmer
Share your updates and enhance your knowledge using your farmer's face.

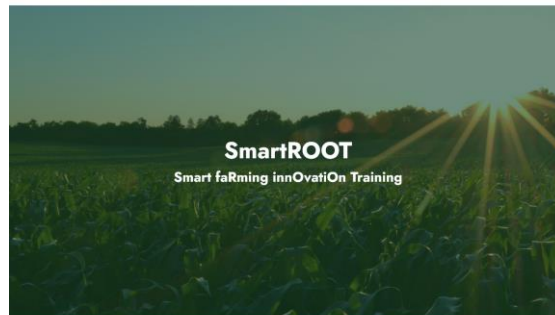
Virtual Farm Hub

The SmartROOT Project
Climate change threatens European agriculture posing previously unimagined challenges and creating new problems. The digital transformation of the field can solve numerous environmental, economic and social problems. The introduction of IT tools for the agriculture sector opens new horizons and offers new tools to face unique problems. SmartROOT closes the gap of knowledge between different experts and offers an interdisciplinary approach in the following challenges.

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2.5 5th tool: The farmer game

The 5th available tool of the Virtual Farm Hub platform is a farmer game <https://farmer.infalia.com/>.



01

Open access

e-Class platform

The platform is acting as an open hub for knowledge accumulation with the involvement of agricultural universities, research agencies, as well as agricultural stakeholders such as farmers and breeders.

Open Access

02

Open Access

Farm Management

A web-based application representing a virtual farm where users learn about farming practices and the requirements for equipment purchase. The environment will offer different levels of configuration ranging from the basic teaching environment.

Open Access



03

Open Access

Data Visualization

Visualize your data and use learning from training described in understanding. It may require less through your apps.

Open Access

04

Open Access

A tool for web-based geospatial catalogue explorers

A feature-rich open source solution for building engaging spatial data exploration and patterns.

Open Access



05

Open Access

The farmer

Share small guides and enhance your knowledge using your farmer here.

Virtual Farm Hub

