AGRIFOOD

4Future

AgriFood4Future: A Comprehensive eLearning Journey for Tomorrow's Agri-Food Leaders

Context

A survey carried out in the AGRIFOOD4FUTURE project has identified key skill gaps in agriculture, especially in the use of digital technologies. While many farmers and workers are comfortable with basic digital tools, there is a strong need for more training in farm management software, digital soil monitoring, and resource planning. These skills are essential to improve farm productivity and meet future challenges.

Solution

To address the skill gaps identified in the AGRIFOOD4FUTURE project, especially in the use of digital technologies, an online training platform was developed to provide targeted educational resources. This platform offers courses specifically designed to improve farmers' and agricultural workers' proficiency in digital farming and sustainable practices.

Benefits of the Online Training Approach

1. Accessibility and Flexibility

Farmers and workers can access training materials from anywhere, at any time, reducing the need for travel and allowing them to learn at their own pace.

2. Personalized Learning

Learners can choose courses based on their specific needs and prior knowledge.

3. Certification and Recognition

Upon completion of courses, learners can receive certificates, which provide formal recognition of their new skills.

4. Community and Networking Opportunities

Online training platforms can foster a sense of community among learners, offering forums, discussion boards, or peer collaboration opportunities.

The AgriFood4Future MOOC "Digital Agriculture: Transforming Field Crop Production"

Introduction: ARVALIS is the largest applied agricultural research organization in France and the leading technical reference for arable crops. It has extensive expertise in digital farming and agricultural technologies, making them uniquely positioned to provide high-quality, up-to-date training to help farmers and agricultural workers bridge the skill gap. As part of the AgriFood4Future project, ARVALIS has designed a comprehensive MOOC to answer the growing demand for digital skills in the agricultural sector.

For farmers, advisors and students

Duration: 10h

Remote and asynchronous

Free of charge

Training program
Module 1: The context of agricultural data in Europe
Module 2: Agricultural data collection technologies
Module 3: Ownership and security of used data
Module 4: Use of decision support systems
Module 5: Focus on precision farming
Module 6: Challenges and perspectives of digital agriculture

Course description: This online course is perfect for anyone who wants to learn more about digital technologies and get more done while also protecting the environment. It covers data knowledge and ownership, from data collection using sensors to its use in decision-support tools and precision farming. Finally, it makes the challenges and opportunities of digital agriculture easier to understand and accessible to all.

How to get started with the AF4F MOOC:

Getting started with the AgriFood4Future MOOC is easy and quick! Follow these simple steps to begin your learning journey:

1. **Click the Link:** Simply click on the provided link to access the AgriFood4Future platform.
   https://agrifood4future-e-learning.com/
2. **Create Your Account**: Enter a few basic details to create your account.
3. **Start Learning:** After registering, you'll have immediate access to the course materials. Start learning at your own pace, whenever and wherever it's convenient for you.

Explore More Learning Opportunities

In addition to the 'Digital Agriculture: Transforming Field Crop Production' course, the AgriFood4Future platform offers a range of training modules and materials designed to help farmers and advisors navigate the green and digital transitions. These courses cover key topics such as precision agriculture, data management, and sustainable farming practices. With practical content and expert insights, they provide valuable knowledge to support day-to-day decision-making and farm efficiency.

Capacity building: Improving skills for smart farming

Course description: This course is designed for those who want to adopt the latest technological innovations and apply sustainable farming practices while ensuring the resilience of their farm.

For farmers & SMEs

Duration: 20h (4h/module)

Course recordings

Free of charge

Training program
Module 1: Smart agriculture
Module 2: Precision farming
Module 3: Digital twins
Module 4: Regenerative agriculture
Module 5: Entrepreneurship

Training advisors: Becoming a pillar for sustainable agriculture

Course description: This program targets professionals who want to support farmers in their agro-ecological transition.

For advisors for farmers

Duration: 18h

Online training materials

Free of charge

Training program
Module 1: Introduction to smart agriculture
Module 2: Precision agriculture
Module 3: Climate smart-farming
Module 4: Regenerative agriculture
Module 5: Energy cover crops for biogas production
Module 6: Food footprint: the environmental impact of the agri-food chain

Information and registration

The platform is accessible via the internet and a mobile application. The courses are available in English and will gradually be translated into other languages (e.g. French and Italian).

1. Go to https://agrifood4future-e-learning.com/
2. Create a new account with your personal information and sign in
3. Select your preferred language in the top left-hand corner of the screen
4. Access the courses you want to follow
5. Follow the course material and complete tests and exams
6. At the end of the course, don't forget to ask for your certification!

If you have trouble connecting or navigating the online training platform, please contact Bochra Kammoun (b.kammoun@arvalis.fr).

About this practice abstract and AgriFood4Future

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AgriFood4Future: The Erasmus+ AgriFood4Future project runs from June 2023 to May 2027. It aims to develop vocational training to meet the challenges of the agro-ecological and digital transitions.
Website: agrifood4future.com

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