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D4.1 AGRITECH PLATFORM

#CARDET



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Executive Summary

D4.1 **AGRITECH Platform** presents the online learning environment developed within WP4 – *Pilot Implementation and Evaluation*. The platform brings together the project's educational content and learning activities in a single digital environment and has been designed to support both the delivery and piloting of the AGRITECH training programme.

The platform is live and accessible at AGRITECH Platform. It is based on Moodle and includes the main functionalities required to support the learning experience, including user registration and login, access to courses and modules, learning resources and activities, assessment-related functions, progress monitoring, and tools for the management of users and learning content.

The platform has already been used as part of the **initial pilot-testing activities that started in May 2026**. This initial phase provided an opportunity to test the platform in practice and gather early experience regarding its functionality, accessibility and overall user experience. Based on the platform analytics, **at the time of preparation of this deliverable, the AGRITECH platform contained 142 registered user accounts, including learner and project-related accounts.**

The initial testing phase was conducted using the learning content and language versions available at that stage of implementation. Following this phase, the remaining national-language versions and educational resources required for the current VET and MSc learning pathways were finalized, reviewed by the respective partners and integrated into the platform. The learning environment is therefore now available in English, Greek, Italian, Hungarian, Romanian and Czech and is ready to support the subsequent full pilot implementation.

Overall, the AGRITECH Platform provides the digital infrastructure required to support the delivery of the project's training programme and its pilot implementation. This report presents the platform's structure and main functionalities, together with evidence from the live environment, testing information and the actions planned in preparation for the full pilot phase.

1. Introduction

The **AGRITECH Platform** has been developed within WP4 – *Pilot Implementation and Evaluation* as the main online learning environment for the project. It provides a central space where learners can access the educational content and activities developed through AGRITECH and supports partners in delivering the training programme during the project's pilot implementation.

The platform has been designed with a focus on creating a learning environment that is clear, accessible and easy to navigate. It brings together the available training materials within a structured online space and provides the functionalities needed to support learners throughout the training process. The platform also allows the learning environment to be progressively updated as additional project materials and language versions become available.

Development of the platform has taken place alongside the preparation of the AGRITECH educational materials. Initial pilot-testing activities started in **May 2026**, allowing the platform to be used in practice and providing an opportunity to test its functionality and overall user experience. These initial activities also support the ongoing preparation for the **full pilot implementation during the 2026/2027 Academic Year, around February 2027.**

This deliverable documents the platform as it stands at the time of reporting. It presents its structure, main functionalities, learning content, language coverage, testing activities, and readiness for the next



phase of piloting. Where relevant, screenshots and other supporting evidence from the live environment are included to demonstrate the implementation of the platform in practice.

The AGRITECH learning platform is available at agritech.cardetprojects.com.

2. Link with the Proposal

D4.1 responds directly to the objectives of WP4 by providing the digital environment through which the AGRITECH training programme can be delivered, tested, and evaluated. As foreseen in the project proposal, the platform brings together the learning content, assessment activities, learner-management functions and supporting tools needed for the implementation of the AGRITECH learning pathways.

The platform has been developed as more than a repository for training materials. Its purpose is to provide learners with a structured online learning experience, starting from registration and course access and continuing through the different modules, learning resources, interactive activities, assessments, progress monitoring, and course completion.

The learning environment follows the educational structure of the AGRITECH programme. Content is organized according to the programme levels and the seven AGRITECH modules, allowing the different types of learning resources to be presented within a common and consistent structure. Manuals, presentations, quizzes, scenario-based activities and other practical or interactive resources can therefore be accessed through the relevant module rather than through separate or disconnected systems.

The platform also supports the implementation and evaluation objectives of WP4. Learner activity and completion can be monitored according to the configuration of each resource, while reporting and feedback functions provide information that can support the evaluation of the pilot activities.

In this way, D4.1 demonstrates how the technical platform translates the AGRITECH learning approach into an operational digital environment and provides the infrastructure required for the initial testing and the subsequent full pilot implementation.

3. Platform Access

The AGRITECH platform is live at <https://agritech.cardetprojects.com/>. The public landing page welcomes users to the AGRITECH learning journey and explains that users can explore interactive modules, use practical resources, complete activities and monitor their progress.

Users who already have an account can access the login page using a username or email address and password. The login page also provides links for password recovery and creation of a new account. Self-registration is enabled. The public registration form currently includes username, password, email address, first name, last name, city/town, country and an additional Organization field. The form also includes a GDPR consent statement that users must acknowledge when registering. A forgotten-password function is available and allows users to request account recovery by username or email address.

Public self-registration enables access to the AGRITECH learning environment beyond the consortium institutions. Interested users can create an account through the public registration page, subject to the applicable registration and data-protection requirements.

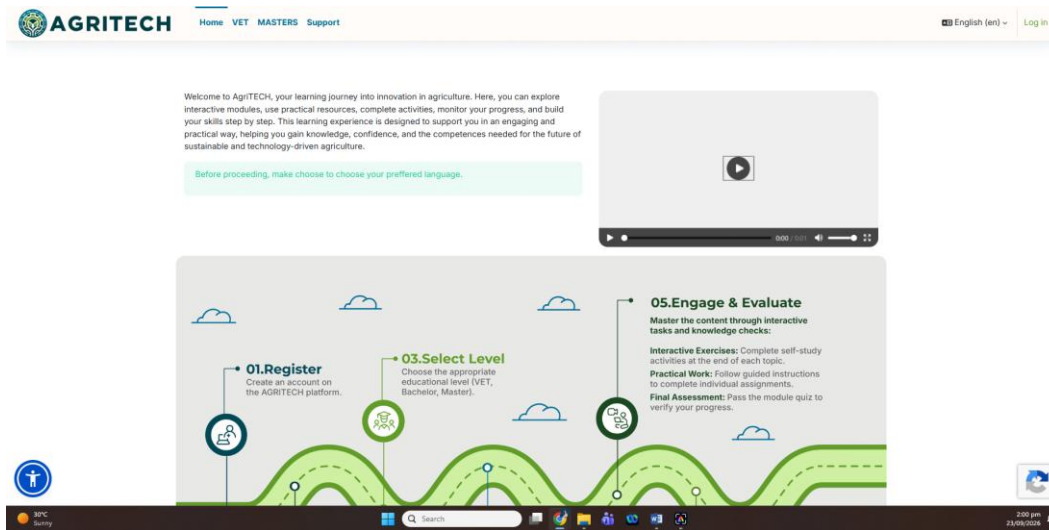


Figure 1– AGRITECH platform homepage

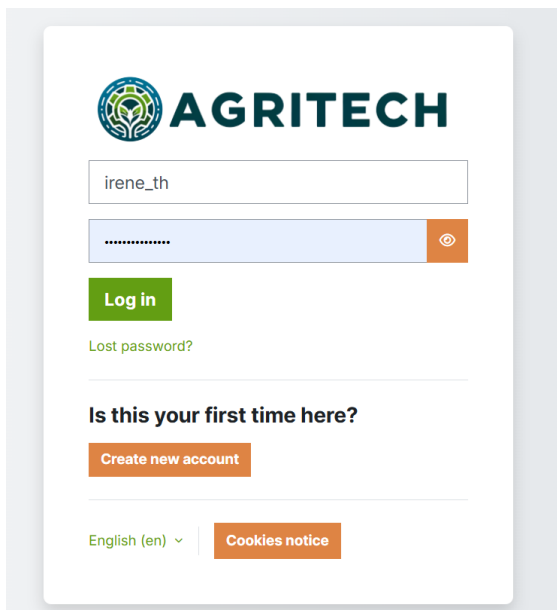


Figure 2 – Login page/ New account / registration form / Forgotten password page.



4. Platform Overview

The AGRITECH Platform serves as the central online learning environment for the project, bringing together the educational content and learning activities in one accessible space. It has been developed using Moodle and adapted to reflect the visual identity and learning needs of the AGRITECH project, while maintaining a clear and user-friendly structure.

The platform is organized to allow users to easily navigate between the different learning areas and access the resources relevant to their training. Through their account, learners can access the available courses and modules and engage with the learning materials and activities included within each course. The structure has been designed to support a consistent learning journey, allowing users to move through the content in an organized and intuitive way.

In addition to the learning content itself, the platform brings together the supporting functions needed for the delivery and management of the training programme. These include user account management, course access and navigation, learning activities, assessment and progress-related functions, as well as administrative tools for managing the learning environment.

5. Functions Delivered

The AGRITECH Platform has been developed to provide users with a straightforward and accessible online learning environment, bringing together the main functions needed to support the delivery of the project's training programme. In addition to providing access to the learning content, the platform includes functions that support account creation and management, course navigation, learner participation, progress monitoring and the overall administration of the learning environment.

The platform also includes communication functions through course forums and a contact form. The forums provide a space for course-related communication and interaction within the learning environment, while the contact form provides users with a direct way to submit questions or requests for support. Together, these functions provide the communication channels needed to support learners during their use of the platform.

Several functions of the platform can be demonstrated directly through the live environment, including user registration, login, password recovery and the information required for account creation. Other functions, particularly those linked to specific user roles, learner progress, reporting, course completion and course-level communication, are accessed within the authenticated environment and are therefore documented through dedicated testing and supporting evidence.

The table below provides an overview of the main functionalities of the AGRITECH Platform their implementation status and the supporting evidence used to verify that each function operates as intended.

Function	Current evidence status	Evidence/action required
Live platform access	Verified	Homepage and live URL
User login	Verified	Login page
Self-registration	Verified	Registration page
Email, country and organization fields	Verified	Registration form
GDPR registration consent	Verified	Registration form



Password recovery	Verified	Forgotten-password page
Learner role and dashboard	Verified	
Trainer/content-manager role	Verified	
Administrator role	Verified	
Communication channel(s)	Verified	[Forum /contact form)

6. Course and Content Structure

The AGRITECH Platform has been structured around the learning architecture of the AGRITECH training programme, with the aim of providing learners with a clear and organized pathway through the available learning content. Rather than presenting the educational materials as separate resources, the platform brings them together within a consistent course structure that supports learners as they progress through the programme.

The training programme currently includes two learning levels: VET at EQF Level 5 and MSc at EQF Level 7. Both levels follow the same overall seven-module structure, while the depth of the content, the level of learner autonomy and the complexity of the learning activities are adapted to the respective educational level.

Within the platform, learners access the learning pathway relevant to them and progress through the modules in a consistent way. Each module functions as a dedicated learning space where the corresponding content, resources and activities are organized together. This structure helps learners understand where they are within the programme, what they are expected to complete and how the different learning resources relate to the objectives of each module.

The modules combine different types of educational resources according to their learning purpose. These include learning manuals and supporting materials, presentations, interactive content, quizzes, scenario-based activities and practical resources. The combination of these resources is intended to support a gradual learning process, moving from the introduction and understanding of key concepts towards their practical application and, where applicable, assessment.

The platform also supports interactive learning resources developed using Genially, which is used within the programme to present content and activities in a more engaging and interactive format. These resources can include interactive presentations, quizzes, scenarios and other digital learning activities. Where tracking of learner activity is required, relevant resources can be integrated into Moodle through SCORM packages, allowing information such as completion status and assessment results to be recorded within the learning environment.

Quizzes are incorporated within the relevant modules and provide learners with an opportunity to check and demonstrate their understanding of the learning content. Scenario-based and practical activities complement this process by encouraging learners to engage in situations and challenges related to Agritech and to apply the knowledge and skills introduced through the course materials.

A distinction is maintained between resources that support the learning process and activities that form part of assessment or course progression. Manuals, presentations, and supporting resources provide the main instructional content, while quizzes and other defined assessment activities allow learners to review their understanding and, where applicable, contribute to their progression through the course. This approach allows different types of learning activities to be used within the same module while maintaining a clear and coherent learning pathway.



The modular structure also supports the multilingual implementation of the AGRITECH training programme. Different language versions of the learning materials can be incorporated while maintaining the same overall programme structure and module organization across the participating countries. This ensures consistency in the learning experience while allowing the content to be delivered in the languages required for the full pilot implementation.

Overall, the course and content structure has been designed to provide a consistent, organized and flexible learning environment across both programme levels. The seven-module structure provides a common framework for the training programme, while Moodle allows the different types of educational content, interactive activities and assessment resources to be brought together within a single learning environment.

7. Languages and Accessibility

The AGRITECH Platform supports the multilingual implementation of the training programme across the partner countries. The learning content is now available in all six project languages: English, Greek, Italian, Hungarian, Romanian and Czech. This ensures that partners can deliver the training in their respective national contexts and that learners can access the educational materials in the relevant language.

During the initial pilot-testing activities, which started in May 2026, testing was carried out in selected languages. The purpose of this initial phase was primarily to test the platform's functionality, navigation and overall user experience, rather than to test the complete multilingual implementation of the training programme.

Following this initial phase, the remaining translations were finalized, reviewed by the respective partners and integrated into the platform. As a result, all project language versions are now available, providing the multilingual environment required for the full pilot implementation foreseen during the 2026/2027 Academic Year, around February 2027.

The multilingual structure follows the same overall course and module organization across the different language versions. This provides consistency in the delivery of the AGRITECH training programme while allowing learners in each participating country to access the content in their respective language.

In terms of accessibility, the platform has been structured with an emphasis on clear navigation, consistent organization and ease of access to learning materials and activities. These elements support a straightforward user experience across the different programme levels and language versions.

8. Quizzes and Certificates

Quizzes and assessment activities are integrated into the AGRITECH Platform as part of the learner journey. Rather than operating separately from the learning content, they are included within the relevant modules so that learners can move naturally from studying the material to checking and demonstrating their understanding.

The module quizzes have been developed as interactive activities and, where appropriate, integrated into Moodle using SCORM. This allows the platform to record information such as the learner's score



and completion status and makes it possible to monitor assessment progress within the same environment in which the learning materials are accessed.

The platform also distinguishes between formal assessment activities and supplementary interactive resources. Not every interactive or gamified activity contributes to the learner's final assessment. This allows learners to use additional resources for practice and exploration without altering the assessment structure of the programme.

Certificate generation has already been prepared within the platform. Learners become eligible for the relevant AGRITECH Certificate of Completion once they have completed all seven modules and successfully fulfilled the required course assessment requirements, including the individual Capstone Project. This completion condition is also clearly reflected in the certificate templates prepared for the programme.

Once the required completion conditions have been met, the certificate is configured to be issued automatically through the platform. Separate certificate formats have been prepared according to the learning pathway.

The certificates include the learner's name, date of issue, course workload and a unique Certificate ID, together with a QR code that supports certificate verification.

Following successful completion of the AGRITECH course, eligible learners may also request the corresponding AGRITECH micro-credential in accordance with the certification model and eligibility requirements defined in D3.2. This process is separate from the automatically generated AGRITECH Certificate of Completion.



Figure 3 – Certificate template (MASTERS)



Figure 4 – Certificate template (VET)

9. Reports and Feedback

The AGRITECH Platform includes progress-monitoring and reporting functions that support both learners and the project partners responsible for implementing the training.

For learners, the platform provides information on their progress through the course and allows them to see which activities have been completed and which remain outstanding. Depending on how an activity is configured, Moodle can record completion status, assessment results and other relevant information. Simple completion indicators also help learners follow their progress through the individual modules.

From an administrative perspective, the platform provides access to information on learner participation, activity completion and course progress. These reporting functions are particularly useful during the pilot implementation, as they allow the project team to monitor how the platform is being used and identify any areas requiring further attention.

User feedback on the AGRITECH Platform was collected during the initial testing phase through the harmonized platform questionnaire. Across the six national testing settings, 45 valid platform-questionnaire responses were consolidated: 11 from the Czech VET setting, 8 from Greece VET, 5 from Italy VET, 4 from Greece MSc, 2 from Hungary MSc and 15 from Romania MSc. The questionnaire addressed aspects of the user experience including navigation, presentation and accessibility of learning materials, functionality, clarity of the course structure and overall user-friendliness.

The consolidated results indicate an overall positive user experience with the AGRITECH Platform. Within the VET testing settings, the platform received an average overall rating of 4.68/5 across 37 responses, with positive ratings recorded across all participating language groups. At the same time, the testing identified specific areas for further improvement, particularly in relation to language settings, quiz functionality and the registration and first-access process. Reported technical issues were minor or moderate, with no severe



problems identified. These findings indicate that the platform is functional and well received by users, while also providing practical feedback that can be used to further improve the user experience.

The initial user feedback provides direct evidence for assessment of platform usability and supports the verification of MS5. Additional feedback will continue to be collected during the subsequent full pilot implementation and will be used, together with platform analytics and technical monitoring, to inform further refinements where appropriate.

The feedback collected during the pilot-TESTING activities will complement the information available through the platform reports. Together, these sources will provide a clearer picture of both how learners use the platform and how they experience it.

Where feedback identifies practical issues, such as unclear instructions, navigation difficulties or presentation problems, these can be addressed as part of the ongoing refinement of the platform.

10. Data Protection

The AGRITECH Platform has been set up with consideration for the protection of users' personal data. A public **Privacy Policy** is available through the platform, and a GDPR-related consent statement is included as part of the account registration process. The privacy notice provides information on the collection, use and protection of personal data in connection with CARDET's projects and digital services.

The registration process collects only the information required for **user account creation, platform operation and the implementation and evaluation of the pilot activities**. This includes basic account and profile information such as username, email address, first and last name, city/town, country and organisation.

Data collected through the platform are used only for purposes related to the delivery, management, monitoring and evaluation of the AGRITECH learning activities. Access to user information is limited to authorised users according to their respective roles within the platform.

Particular attention has also been given to data protection when documenting the platform within this deliverable. **Screenshots and other evidence included in the report have been selected and prepared to ensure that no personal data, passwords, private links or identifiable learner records are displayed.** This allows the functionality of the platform to be demonstrated without exposing information relating to individual users.

11. Testing and Validation

Testing of the AGRITECH Platform has been treated as an ongoing process rather than as a single technical check carried out at the end of development. The purpose is to ensure not only that the platform is online, but also that users can successfully complete the main actions expected during the training programme.



Initial pilot-testing activities began in May 2026, when the platform was already available for use. At the time of preparation of this deliverable, platform analytics showed 142 registered user accounts, providing practical evidence that the environment has already been accessed and used during the initial implementation period.

Testing covers the complete learner journey, including account creation, login, access to the appropriate course, navigation between modules, opening learning resources, completion of interactive activities and quizzes, progress tracking and course completion.

Administrative functions are also checked to ensure that learner activity and completion information can be monitored appropriately and that the platform provides the information needed to support the pilot implementation.

The initial pilot-testing activities provide an additional opportunity to assess usability under real conditions. This is important because some issues, such as unclear instructions, navigation difficulties or inconsistencies in the presentation of resources, may only become apparent once learners begin using the environment.

Routine technical and quality-assurance testing will continue as the platform is maintained and as content updates or refinements are introduced. Any updated resources will be checked for correct access, navigation and completion behavior and, where applicable, for correct communication of scores or completion information to Moodle.

12. Pilot Readiness

The AGRITECH Platform is live and operational and has already been used during the initial pilot-testing activities that started in May 2026. Platform analytics have recorded 142 registered user accounts up to date, providing practical evidence of the platform's use under real implementation conditions and supporting the assessment of its functionality and overall user experience.

The initial testing phase provided an opportunity to assess key aspects of the learning environment, including platform access, navigation and interaction with the available learning content. The experience gained through this phase has also supported the further preparation and refinement of the platform ahead of the wider pilot implementation.

The full pilot implementation is foreseen for the 2026/2027 Academic Year, around February 2027. In preparation for this phase, the learning content has been made available in all six project languages: English, Greek, Italian, Hungarian, Romanian and Czech, allowing the training programme to be implemented across the participating countries in the relevant national languages.

The platform structure and core learning environment are therefore in place to support the full pilot phase. Ahead of the wider rollout, CARDET will continue with final quality and technical checks to ensure a consistent learner experience across the different programme levels and language versions. These checks will cover the complete learner journey, including course access and navigation, interaction with learning activities, quizzes, progress tracking, reporting and certificate generation.

Overall, the AGRITECH Platform can be considered operational and ready to support the planned pilot implementation. The initial testing experience, availability of the learning content across all project languages and established platform functionalities provide the basis for the full pilot rollout during the 2026/2027 Academic Year.



13. Final check and Actions

The AGRITECH Platform is operational and ready to support the planned full pilot implementation. No major technical issue has been identified that would prevent delivery of the training programme. Initial user feedback and platform-use evidence have already been collected during the first testing phase and provide a basis for the current assessment of usability and functionality. The next phase will focus on continued monitoring under wider implementation conditions and on further refinement where supported by learner, trainer or technical feedback.

The pilot phase will provide valuable information on how the platform performs under wider implementation conditions, including how users navigate the learning environment, interact with the educational content and activities, and use the different platform functions. Feedback collected during the pilot will complement the technical monitoring of the platform and will support any necessary refinements.

Area	Current Status	Follow-up during/after Piloting
Usability and navigation	The platform structure and learner pathways are in place and have already been used during the initial pilot-testing activities.	Review participant feedback and identify any improvements that could make navigation and access to learning content clearer or more intuitive.
Learning content and activities	The learning content and activities are organized within the relevant programme levels and modules.	Use feedback from learners and partners to identify any adjustments that could improve the presentation and overall learning experience.
Progress monitoring and reporting	Moodle provides functions for monitoring learner participation and progress.	Review the effectiveness of the available monitoring and reporting functions during the full pilot and make adjustments where necessary.
Participant feedback	A common platform-feedback mechanism has been implemented and initial platform feedback has already been collected across the six testing settings.	Analyze the feedback collected during the pilot and use the findings to inform further improvements to the platform.

The pilot implementation will therefore serve not only as the delivery phase of the AGRITECH training programme, but also as an opportunity to further refine the platform based on its use in practice. Any adjustments identified through learner feedback, partner observations or technical monitoring will be reviewed and implemented where appropriate, supporting the continued improvement of the learning environment throughout the remainder of the project.

14. Maintenance and Next Steps

CARDET will continue to maintain the AGRITECH Platform throughout the remaining project period, ensuring that the learning environment remains operational, stable and accessible to learners and partners. This includes routine Moodle administration, user and course management, technical support



and platform updates, as well as any adjustments required to support the implementation of the training programme.

The next major step is the full pilot implementation during the 2026/2027 Academic Year, around February 2027. The platform is already operational, and the learning content is available across all six project languages, providing the basis for implementation in the participating countries.

Ahead of the full pilot, CARDET will carry out routine quality assurance checks across the learning environment. Particular attention will be given to the overall learner journey, including access and enrolment, navigation between modules and activities, assessment functions, progress monitoring and certificate generation. These checks are intended to ensure a consistent experience for learners across the different programme levels and language versions.

The full pilot implementation will also provide an important opportunity to evaluate the platform through its wider use by learners and trainers. Feedback will be collected on aspects such as navigation, accessibility, content presentation, functionality and overall user experience. Platform performance and learner interaction will also be monitored throughout the implementation period.

The feedback and experience gathered during the pilot will be reviewed by CARDET and, where appropriate, used to introduce further improvements to the learning environment. These may include adjustments to navigation, instructions, presentation of learning materials or specific platform functions identified through practical use.

The next phase therefore focuses on the continued operation, monitoring and refinement of the existing platform, rather than on further development of its core structure. This approach will allow the AGRITECH Platform to respond to the experience of learners and partners during the pilot and remain a reliable learning environment throughout the remaining project period.

15. Conclusion

D4.1 documents the AGRITECH Platform as the digital learning environment developed to support the delivery and pilot implementation of the AGRITECH training programme. The platform is live and operational and has already been used during the initial pilot-testing activities that started in May 2026, providing practical experience of its use by learners and supporting the further preparation of the learning environment.

The platform provides a structured environment through which learners can access the relevant programme pathway, navigate through the AGRITECH modules, engage with the available learning resources and activities, complete assessments and follow their progress. It also provides the technical framework needed to support course management, learner monitoring, reporting and certification.

An important aspect of the platform is its multilingual structure. The learning content is now available in all six project languages – English, Greek, Italian, Hungarian, Romanian and Czech – allowing the training programme to be delivered across the participating countries while maintaining a consistent course and module structure.

The initial pilot-testing phase has provided an opportunity to use the platform under real implementation conditions and to assess key aspects of its functionality, navigation and overall user experience. Platform analytics have recorded 142 users to date, providing further evidence of the active use of the learning environment.



The next major stage will be the full pilot implementation during the 2026/2027 Academic Year, around February 2027. CARDET will continue to maintain and monitor the platform throughout this phase, while feedback from learners and trainers will be used to identify opportunities for further improvement. Any adjustments arising from the pilot will focus on enhancing areas such as navigation, accessibility, content presentation, functionality and the overall learner experience.

Overall, the AGRITECH Platform provides the digital infrastructure required to support the implementation of the project's training programme. With the learning environment operational and the content available across all project languages, the platform is ready to support the planned full pilot implementation. The next phase will focus on its continued use, monitoring and refinement based on the experience and feedback gathered during the pilot activities.