

NEFERTITI

**Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake
through Demonstration**

User requirements and platform architecture



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1st platform report: functionalities, content, operation and maintenance activities





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Abstract

This document outlines the analysis of the user and system requirements for the establishment of NEFERTITI Platform. Requirements and development process are described in detail, with presentation of all supporting material used (e.g. questionnaires, requirement traceability matrixes, etc.)



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Introduction

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Introduction

This deliverable contains the summary of both functional and non-functional requirements, with a short overview of the technical architecture of the NEFERTITI platform.

The architecture of the NEFERTITI platform is based on the requirements as described in the DoA and are supplemented with gathered requirements from project partners.

This deliverable is organized in six chapters, each addressing a specific aspect of a platform. First chapter summarizes the content of the deliverable; the second chapter describes summary of user requirements, based on which the platform is built; the third chapter brings the description of the platform as of October 01st 2018; following chapter presents the technical specification of the platform, with an overview on interaction between NEFERTITI and FarmDemo platforms; chapter five describes the NEFERTITI website, while the sixth chapter summarizes entire deliverable.

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Methodology

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Methodology

For developing the NEFERTITI platform, an agile approach was followed, with slight modifications and tailoring to best fit to NEFERTITI scope and environment.

The method is based on developing small parts of the software (batches) in predefined timeslots (sprints). Each sprint is finished with a new version of the platform and then published to users (in NEFERTITI case – to project partners) to provide feedback. One of the main characteristics of this approach is that every new sprint delivers a small vertical slice of the features that needs to be tested and validated by end-users.

During the NEFERTITI platform development, when gathering software specifications, we had nine sprints, which led to the final version that is released on 01.10. (M9 of the project). The following picture presents the timeline of the platform development process:

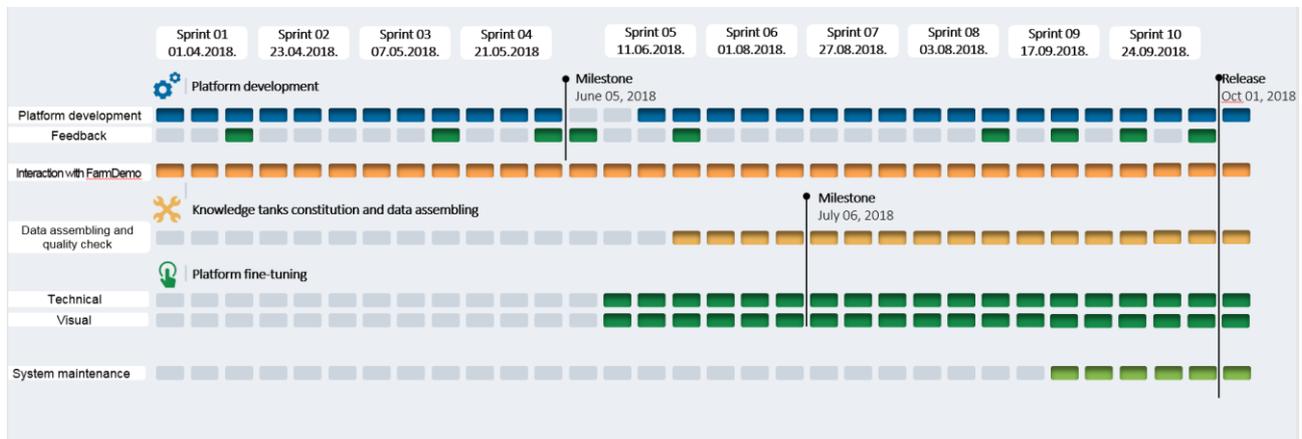


Figure 1: Timeline M1-M9

The initial step was to specify main characteristics of the platform. This was done by carefully analysing the DoA and by gathering all partners' needs. The findings of this phase were presented in D4.1 Platform architecture.

The summary of ten sprints is presented below:

Sprint number	Title	Short description
Sprint 1	Design based on initial requirements	The D4.1 and basic drawings were sent to designer, who developed the first visual identity of the platform, assuring all needed features will have its place on the platform.
Meeting with stakeholders: 17.04.2018.		During the Skype meeting, the initial design of the platform was presented, and feedback was collected. Presentation with platform mock-ups can be found in Annex 1. Based on this Sprint 2 was initiated.
Sprint 2	Implementation of design changes and database	Design improvements and enabling space for more features. Short update meeting to inform stakeholders on changes.



Sprint 3	Development of the database for questionnaires	On 09.05. the final questionnaires were received, so developers started with construction of both front-end (questionnaires for end-users) and back-end (database that will gather all FarmDemo datasets).
Online check of the questionnaires		Partners were encouraged to test the questionnaire (to fill it in several times) and to send us back comments and suggestions for improvement.
Sprint 4	Final preparations before the first internal milestone – the project annual meeting	In this sprint, developers implemented all improvements. Changes that needed to be done on database were finished.
Requirements gathering at annual meeting		During the annual meeting (05.06. – 07.06.2018.) the version of the platform developed at that stage was presented. Considering that platform is interactive tool, we decided to present it with recorded video (which can be found in Annex 2). After presentation, an open discussion was held where a lot of interesting ideas were generated. The ones that got the most votes were immediately sent to developers. Additional method for gathering requirements from project partners was a questionnaire (can be found in Annex 3). The results were analysed, requirements prioritized and sent to developers.
Sprint 5	Development of additional functionalities (for platform visitors)	In this phase agreed features regarding interrelations with other websites, initiatives and databases were developed. Special attention was dedicated to creation of the calendar (one per Hub and one comprehensive).
Sprint 6	Development of the internal part of the platform	One of the main requirements during the annual meeting was to develop a place where consortia members will be able to exchange messages. This was specially addressed as a needed feature for Network leaders and Hub coaches.
Sprint 7	Registration of all partners	In order to make the process as easy as possible, we registered all project partners and developed several different levels for access to internal part of the platform.
Sprint 8	Connection with FarmDemo platform	Two development teams were in contact and linked two platforms (databases) to exchange data in real time and automatically.
Online testing (10.09. – 17.09.)		Partners were encouraged to test the platform (both part opened for all visitors as well as internal part, dedicate just to consortia members) and to send us back comments and suggestions for improvement.



Sprint 9	Implementation of translations	Implementation of gathered translations
Sprint 10	Final improvements implementation	Final changes implementation before the public release

Table 1: Sprint overview

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Summary of user requirements



Summary of user requirements

During the NEFERTITI platform development, requirements for users were gathered in several iterations.

The first phase was finished at M3 of the project, with basic requirements that made the backbone of the future platform. Those requirements were made by project work package leaders and their institutions.

All needs expressed are presented in detail in D4.1, but some of the most important ones are:

- Interaction with FarmDemo – initial steps towards common visual identity, databases interaction and scope related issues were defined. Main conclusions were:
 - Complementarity of platform(s) has to serve the need of both projects, therefore the entrance point for both platforms (NEFERTITI and FarmDemo) will be at one place
 - NEFERTITI website will provide all information relevant to the project, while platform will be more dedicated to end users
- Main pages with content outline (and mock-ups where possible):
 - Introduction page
 - Interactive map
 - Message board
 - Two questionnaires
 - Farm Cards
- Overall characteristics of the platform, such as:
 - features of the Platform need to be simple and easy to use by all end-users
 - barriers for active contribution should be lowered
 - messages on platform need to be clear and unambiguous
- Main user levels and their possibilities

The second large collection of inputs were during the annual meeting (05-07.06.2018.). We used this opportunity to ask all project partners their vision of the platform, its features and possibilities that they would like to have. This was done in two mutually complementary ways – with a presentation and a short questionnaire.

Considering the fact that the platform is a live document, the best method to demonstrate is by live presentation. Therefore, a short video was recorded that covers all aspects of the platform. After this, the dynamic discussion was held where all project partners expressed their opinion and gave their first impressions. Although the platform wasn't finished at that moment, first impressions were quite positive. Most comments were related to interaction between FarmDemo (what content will be presented on both platforms) and on possibilities for demo activities announcements.

After the discussion, partners were encouraged to write their thoughts and needs on a printed questionnaire. The different method for gathering requirements was deliberately chosen to address the needs of those that are reluctant to speak in front of a group of people. One of the questions of the questionnaire was if the platform was intuitive enough; which features / elements are needed, and which possibilities would partners like to have when logged-in to the platform. This question was addressing their daily activities on the project and tools needed to make life easier for them.

After the meeting, all requirements were transferred to the requirements traceability matrix and intensively analysed. The screenshot of the matrix can be seen on the pictures below:

Requirements Traceability Matrix

ID	Category	Subcategory	Requirement Type & Description	Status (approved / rejected)	Classification (Mandatory / Optional)	Design Doc Reference	Status (Met Y/N?)
	Content presentation		The information about farms is too detailed. Maybe to add an option to disclose more information and show only selected info at the 1st glance	A	M		Y
			Include a link for each farm	A	M		

Figure 2: Requirements traceability matrix



The findings of the questionnaire analysis can be summarized in four main groups:

- Content presentation
 - Detailed map where all farms will be presented
 - Order of the Networks on the home page
 - Each farm should have its own link
- Content
 - Explanation of each network and hub
 - Calendar of events (with announced next events of the project)
 - Contact of Hub leader (maybe Skype)
 - Videos of each Network
- Private area
 - Tool for communication / interaction (two-way communication between hub/network members;
 - Place for main KPIs monitoring (schedule, next events, number of participants...)
- Questionnaires
 - An email notification to the hub coach when some farm is registered to his/her hub

At the same time, we gathered a lot of useful first-hand advices related to content organization on pages, optimal number of questions in questionnaires, etc. Several partners stressed the importance of compatibility of the platform to different screens (i.e. possibility for farmers to use it on their smart phones and tablets), which we fully adopted. The platform supports various client devices like desktop and laptop computers, tablets and smartphones. In addition, the web application accessed by the clients is responsive - it provides optimal viewing experience depending on the device used to access the platform.

One of the important requests was related to questionnaires – it was requested to send an automatic thank-you email to the respondent. This was one of the strategical decisions, since we will be sharing other relevant information regarding FarmDemo with this email.

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Description of the platform (M09)

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Description of the platform (M09)

Design

The design of the platform is inspired by the NEFERTITI logo and its official colours of the project. The consortium has agreed to launch a simple, yet appealing design, which is aimed to attract farmers and other relevant stakeholders. This is the reason why the first page of the platform provides an opportunity for visitors to choose the preferred language.



Figure 3: Home page – design

During the design and development, the technical team was using the official communication package provided by WP7 at the beginning of the project. The communication package provided clear guidelines regarding approved colours, logos, and other elements that are used on the platform.



Content

The first page that visitors see is the page for choosing the preferred language. All partners' languages are presented with relevant country flags, while EU flag refers to the platform in English language. The screenshot of the intro-page can be seen on the following picture:

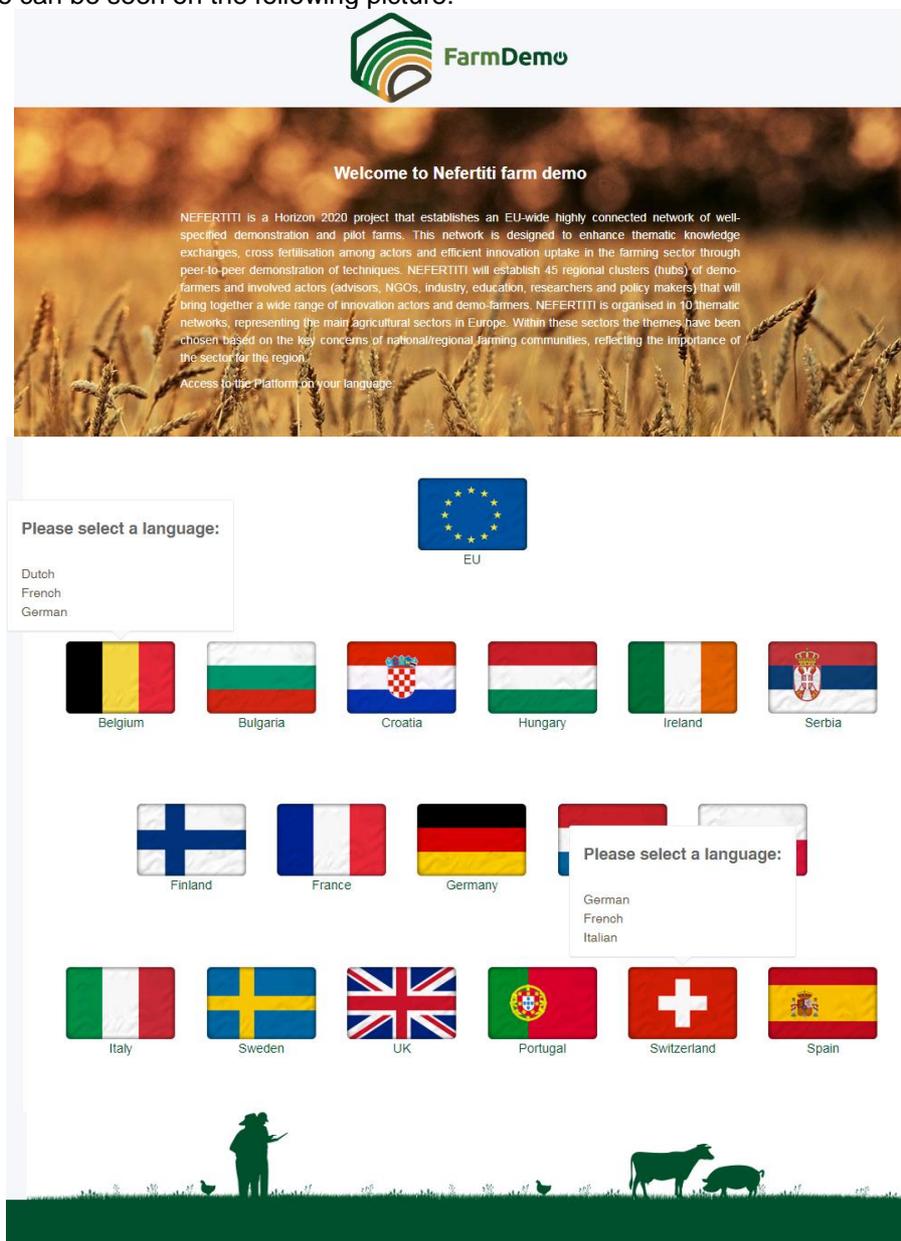


Figure 4: Platform languages

Considering that in certain countries there are more than one official language, after brainstorming sessions with partners, it was decided the following:

- Belgium: Dutch, French and German
- Ireland: just English (without Irish)
- Switzerland: German, French and Italian

After choosing the language, the visitor is redirected to the home page. Following picture presents mock-up version of this page compared to the final one:



Figure 5: Platform home page (mock up and final version)

Every Network is presented by its corresponding icon and full name. They are positioned just below interactive map, which will present all demonstration farms.
 Below the networks, at the bottom of the page, some useful links are positioned:

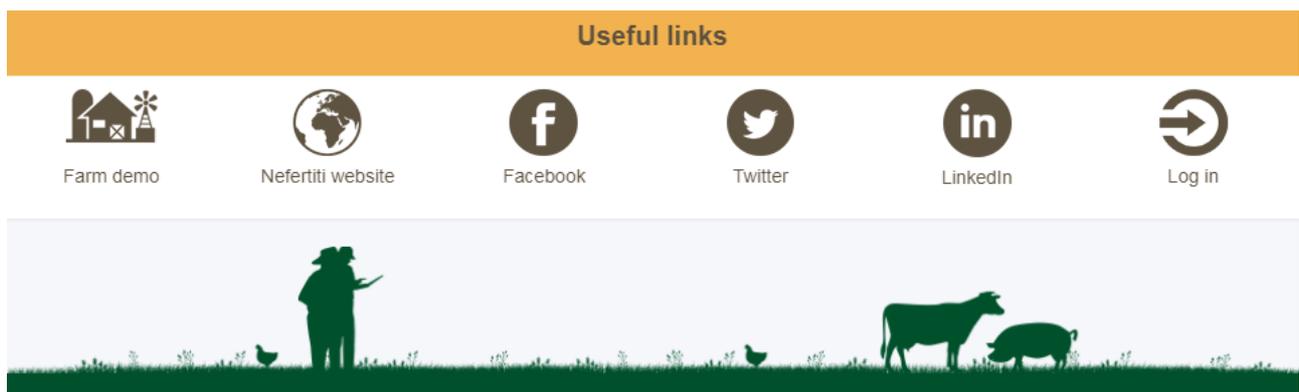


Figure 6: Useful links

Networks, hubs and demonstration farms are assigned to have the central role on the platform, therefore all the other pages are interconnected. When visitors enter a network, a proper description is presented followed by a short video together with a list of hubs:



Grassland and Carbon Sequestration

Covering 61 million ha, grasslands are vitally important, representing 16% of the total area and 40% of the European agricultural area. They serve multifunctional purposes with a large acreage exclusively used as animal feed. Production of dairy, beef and sheep is of major economic importance. There is also a large potential for carbon sequestration and mitigation of climate change by irrigation of grasslands, which can serve as ecosystem services. Competitive claims on grasslands imposed the importance to create feasible and practicable procedures and best practice recommendations on a midterm basis. These options should (1) contribute to a reasonable and measurable reduction of greenhouse gas emissions from grassland use; (2) be able to be integrated in a an easy way in conventional grassland farming through minor adaptations to regional water and farming management; (3) enhance sustainability by efficient manure management with reduced N emissions in water bodies, ecosystem services as a contribution to biodiversity, landscape protection and carbon storage; (4) best be implemented by a common multiactor network from different responsibilities.

Germany
Number of farms: 0

United Kingdom
Number of farms: 0

France
Number of farms: 0

Ireland
Number of farms: 0

Figure 7: Network description

Every hub is linked, so the flag redirects the visitor to the hub description:

Hub details

Germany

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

Farms

Reset filter

Organic Plant production Animal husbandry Topics not related to a specific crop/tree or animal

Some additional info

Events

September 2018

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	31	1
2	3	4	5	6	7	8

Figure 8: Hub description



Below the short hub description, all demonstration farms that belong to a particular hub will be listed. In addition, four filters were implemented to facilitate the search. Those filters are related to the farm activity (plant production and/or animal husbandry and / or other not related type of activities) and organic or conventional orientation of the household.

The central place on the page is dedicated to the calendar which will display all demonstration events related to hubs. Every hub will have its own calendar. All of them will feed the main calendar (positioned in main menu).

When one of the events presented in the calendar is chosen, the calendar event details are shown below:

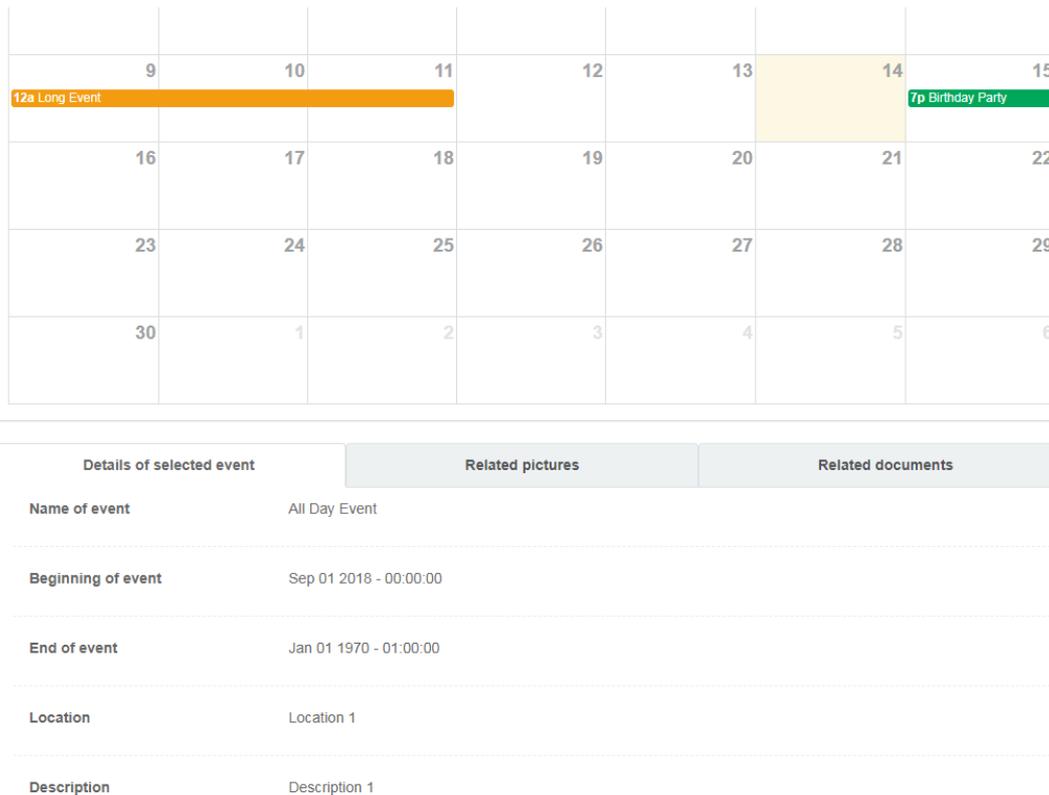


Figure 9: Event calendar (Hub related)

All hub-related events are gathered in one comprehensive calendar, which can be reached by simple click on “Events” button in main menu:

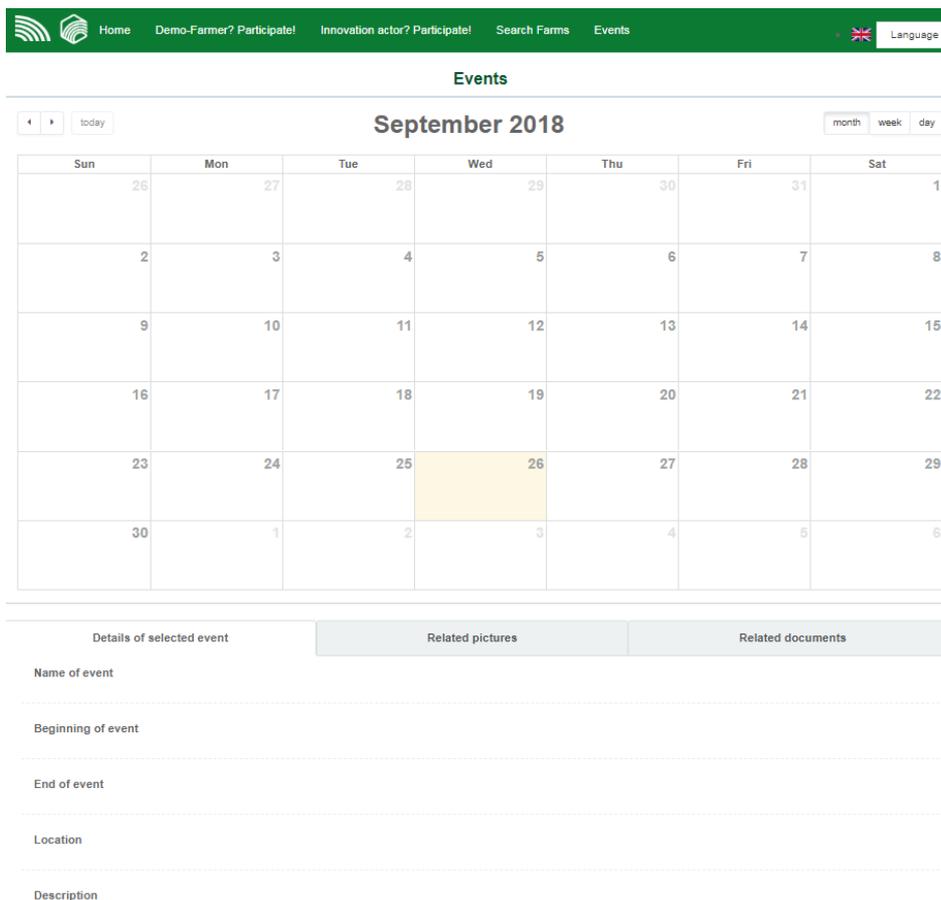


Figure 10: Comprehensive event calendar

Questionnaires

The platform hosts two questionnaires – one for farmers and the other one for innovation actors. Both questionnaires were programmed, so all features that were asked by partners are implemented. Most of the questions have pre-defined answers - displayed as drop-down menu or check-boxes.

Special attention was dedicated to the GDPR and written consent of the respondent. To assure one is informed prior filling in the survey, written consent is required before the questionnaire is opened:



FarmDemo

Join our Community, be part of the bigger picture...

INTRODUCTION

We would like to grow an agriculture community, committed to sharing experiences through farm demonstration. Many farmers, throughout Europe, in all sectors of agriculture, have innovations and agriculture experiences that would be useful to neighbours near and far. We can share these through demonstration.

FarmDemo networks will connect likeminded individuals and share agriculture knowledge. The online FarmDemo hub will not only be a point of contact, but will also allow access to videos, case studies and best practices for demonstration activities. These resources together with the practical networks will help to improve farming demonstration throughout the agricultural communities of Europe.

To be part of it we ask you to complete a short survey providing contact information and demonstration activities past, present and future. It takes about 10 minutes to complete.

Participation is completely voluntary and you are free to withdraw your data at any time, without having to give a reason. You will be asked to confirm which pieces of contact information can be made public, and which ones should be kept anonymous.

Please check the Informed consent [here](#).

If you have any questions please contact laure.triste@lvo.vlaanderen.be.

Please tick here to indicate you have read, understood and agree with the informed consent.

(For more information on the projects involved please visit the project websites listed on the homepage of FarmDemo, farmdemo.eu)

Figure 11: Questionnaire – written consent

In addition, at the end of the questionnaire, prior to submission, the respondent needs to agree to privacy statements:

PRIVACY STATEMENTS

Thank you for taking the time to complete this questionnaire, in doing so you:

- agree that the indicated contact information, my farm information and my topics of demonstration activities will be made available in the FarmDemo hubs and platforms, except if indicated otherwise.
- agree that the information may be used for research purposes.
- confirm that the information I have entered is my own personal information, or I have been given authority to submit this information by its owners.
- understand that I can ask questions or withdraw my information from the survey at any point by contacting laure.triste@lvo.vlaanderen.be.

You must fill in all mandatory fields.

Figure 12: Questionnaire – privacy statements

In order to facilitate the process, questionnaires are translated to all partners' languages. Languages can be chosen at the upper right corner of the screen or while answering on the first group of questions.

After submission, a pop-up screen is shown, where the respondent is advised to redirect to the FarmDemo landing page:

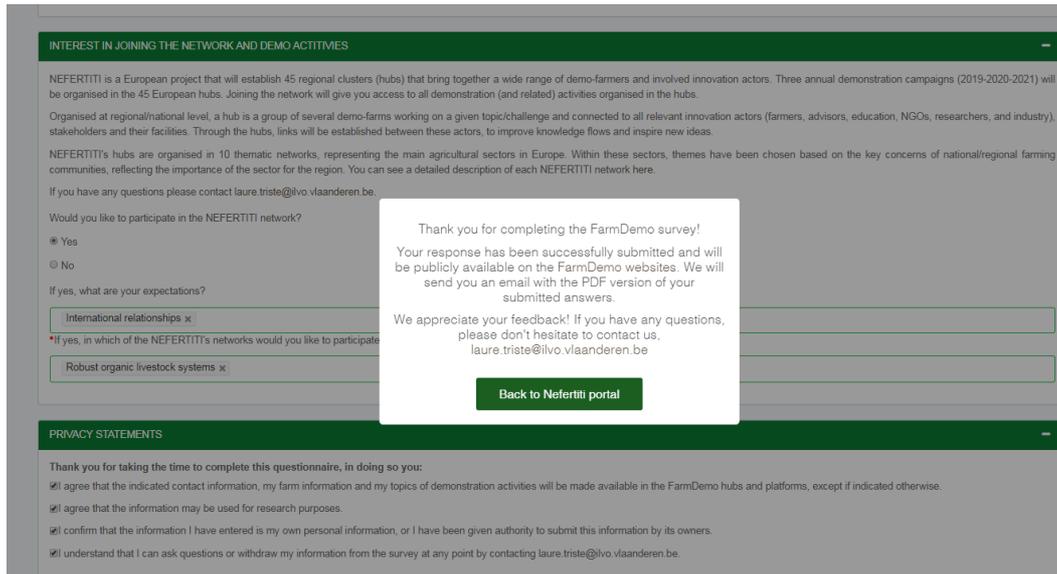


Figure 13: Thank-you message

Search farms

For visitors that want to get familiar with farms regardless the hub they belong to, a search engine was developed, to filter all farms in the database according to the following criteria:

- Network
- Country
- Farm type
- Demo activities
- Organic farm

All questions (filter criteria) are programmed to be a drop-down menu, except the last one, which is a check box:

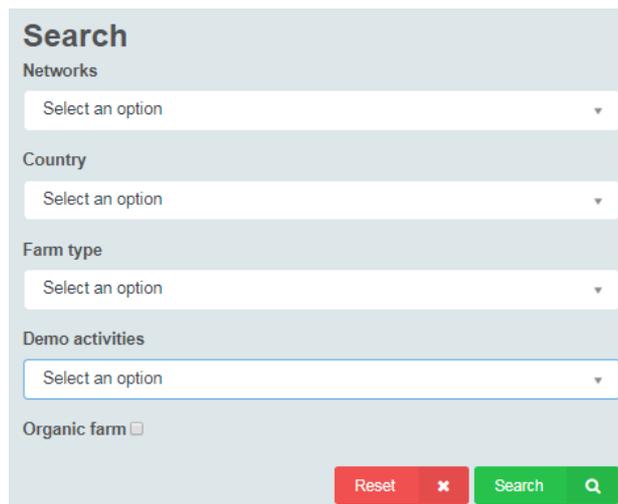


Figure 14: Search farms



Farm card

Based on inputs and suggestions from project partners, we developed a user-friendly farm presentation (Figure 16: Farm card). Following picture shows the mock-up, created after gathering initial user requirements:

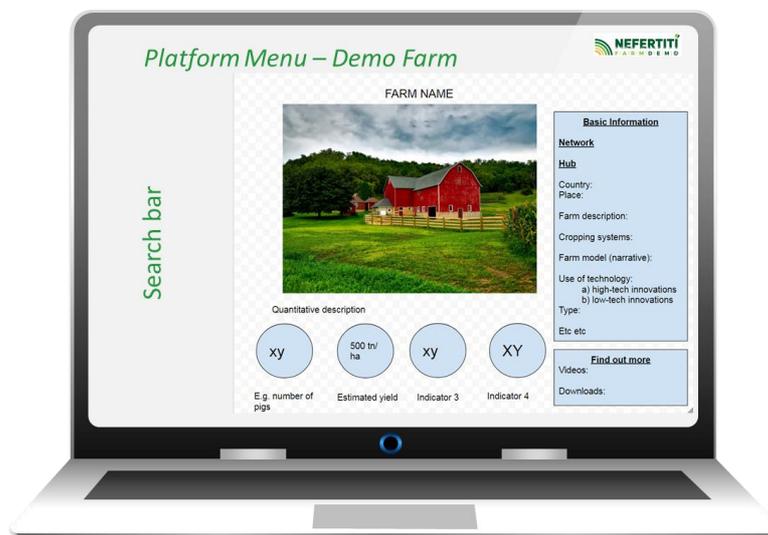


Figure 15: Farm card – mock-up



←

Farma pilića "Maločić"

Location of the farm: Fruškogorska 20, Beočin, Serbia

Name of contact person: Dragana Maločić



● ● ●

Farm info

- Farm type: Conventional, Specialist granivore (pigs, poultry)
- Farm management type: Commercial farm (ordinary farm)
- Number of employees: 5
- Size of farm: 4 ha

Demonstration activities the farm can offer

<i>Demonstration activities:</i>	Animal husbandry
<i>On the following animals:</i>	Poultry - Egg production (free range, in barn, in cage) , Poultry - Meat production (free range, in barn)
<i>On the following topics (animal husbandry related):</i>	Health management



Figure 16: Farm card



Private area

The arrangement between NEFERTITI and FarmDemo projects included the agreement that this platform will be completely open for all visitors, meaning that no registration nor log in will be required by external visitors. On the other hand, one part of the platform will be dedicated just to consortia members. This option was necessary due to two reasons:

1. Quality monitoring performance – since both questionnaires are opened to all visitors, it was decided to check all of them prior publishing. This will be done by an appointed person, who will be the only one in charge of performing this type of monitoring. In case of inappropriate or inadequate data, the respondent will be contacted, or the farm / innovation actor profile will be rejected.

Following picture presents the framework where quality manager will be working in:

Survey type	Name	Respondent	Email	Submitted date	Status	View
actor	European Landowners' Organization	Maeve Howe	projects@elo.org	2018-07-05	Waiting	Q
actor	Austrian Agency for Health and Food Safety (AGES)	Taru Sandén	taru.sanden@ages.at	2018-07-05	Waiting	Q
actor	PROUD FARM GROUP OF FARMERS	NIKOLAOS KOLTSIDAS	n.koltsidas@farmahellas.gr	2018-07-10	Waiting	Q
actor	INTIA	Alberto Lafarga	alafarga@intiasa.es	2018-08-31	Waiting	Q
farm	Ecocortijico	Pieter van soest	pieter@hortiproject.eu	2018-08-27	Waiting	Q
farm	Raaijmakers Akkerbouw en gewasverzorging	Jolanda Raaijmakers	ajraaijmakers@gmail.com	2018-09-03	Waiting	Q
farm	Farma pilića "Maločić"	Marina	trajkovic.milica.ns@gmail.com	2018-09-14	Approved	Q
farm	Farma pilića "Maločić"	Dragana	trajkovic.milica.ns@gmail.com	2018-09-14	Approved	Q

Figure 17: Interface for quality check

2. Message exchange between consortia members – one of the most frequent requests was the possibility to exchange messages between hub/network members. This possibility is allowed for all registered users (i.e. all consortia members).

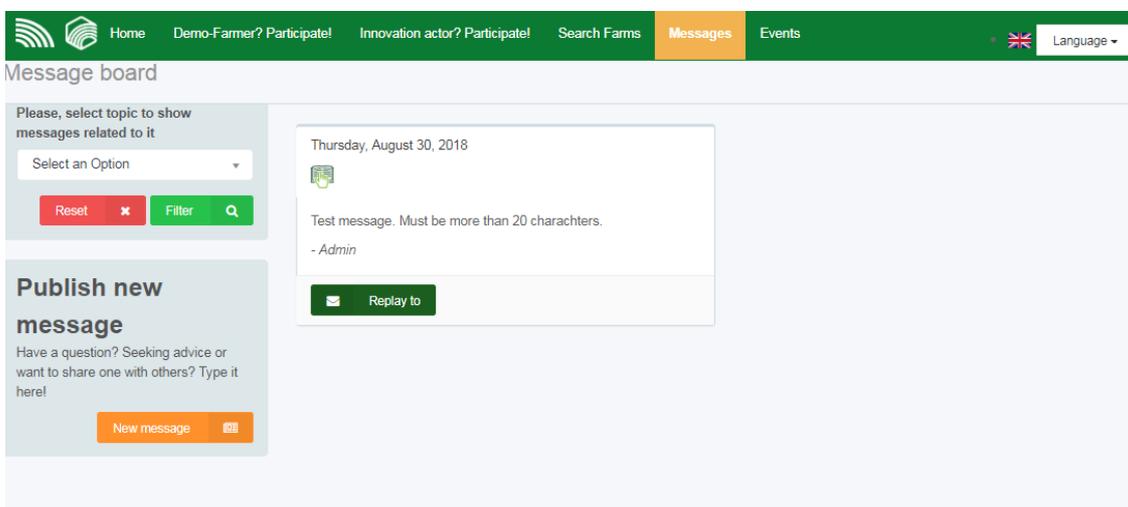


Figure 18: Message board



3. Edit of the Network / Hub pages – considering that the project will organize a lot of various demonstration events, there is a need for certain group of partners to be able to edit (add / remove / change) events announcements, to edit Network / Hub description or to add or change the report after demonstration event held within his/her Hub and Network. Therefore, Network leaders and Hub coaches will have the possibility to edit pages with descriptions and events announcements.

To sum, three different levels of registered users are foreseen:

Level 1 - possibility to post a message on Message board (and to reply on already published messages) – all consortia members;

Level 2 - Level 1 + Possibility to edit Network / Hub descriptions - available to Network/Hub leaders;

Level 3 - Level 1+ approve / reject / change survey data - just Quality manager

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Technical specifications

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Technical specifications

The technology that was used for platform construction was not changed compared to the group described in D4.1 – Platform architecture and user requirements.

Briefly, NEFERTITI platform is based on layered application structure, using enterprise scale, open source technologies. This approach leads to enhanced maintainability and flexibility of the platform. PostgreSQL relational database management system is used for data storage at the back-end of the system. The PostgreSQL RDBMS allows storing all the important information from the middleware of the application. The middleware was built using Enterprise JavaBeans 3.0, that enables the encapsulation of business logic of the system. Enterprise JavaBeans connected to the RDBMS for data storage and retrieval and offer functionalities to external clients using RESTful web services and JSON format. Wildfly 10 application server represents a flexible and lightweight application runtime and represents a suitable choice to be used as a host.

Communication with the platform middleware and web application control is developed using AngularJS JavaScript Model-View-Controller open-source web application framework that also supports exchange of JSON data through RESTful web services implemented on middleware.

In the described architecture of the system, clients are completely decoupled from server components. Their communication is service based, implemented using RESTful web services (Representational State Transfer) and JSON (JavaScript Object Notation) format. Client server communication is encrypted using registered SSL certificate and secured using session-based authentication using session token.

The most demanding work was related to interaction between FarmDemo and NEFERTITI platforms. The first task was to make an agreement on frequency and type of communication between platforms. After that, the issue was to programme both platforms to be able to exchange data.

At the end, the decision foresees that NEFERTITI platform sends data to FarmDemo using a REST service. FarmDemo receives the data as a JSON in a POST message and responds with a status message (number of surveys stored or number of error code). If the data was not successfully sent, then the platform tries to send it again later. We considered two possibilities:

- 1) FarmDemo implements a REST service which can accept JSON documents from NEFERTITI platform. When a survey is submitted, NEFERTITI stores it in its own database and also sends the data to FarmDemo as a post request. (*this is the chosen solution*)
- 2) NEFERTITI implements a REST service, that returns a list of surveys submitted at some particular date – accepting get requests and returning a list of JSON objects.

The Nefertiti website was built using WordPress. WordPress is a free and open-source content management system that enables feasible and efficient development, as well as easy and effective content modification. It will provide a convenient way to update or add new relevant information to the website.

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Website

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Website

In the middle of the screen the logo of the project is positioned. Below it, the main menu brings links to home page, project details, network information, results and resources, relevant project events, media and contact point. Below Main menu, there are bullet points explaining both the uniqueness of the NEFERTITI project and its objectives. On the right side of the screen, the Twitter feed is displayed as well. The appearance of the homepage is given in figure below:



Figure 19: NEFERTITI website – home page

About project offers general information about Nefertiti such as number of partners, name of coordinator, stakeholders, focus of the project.

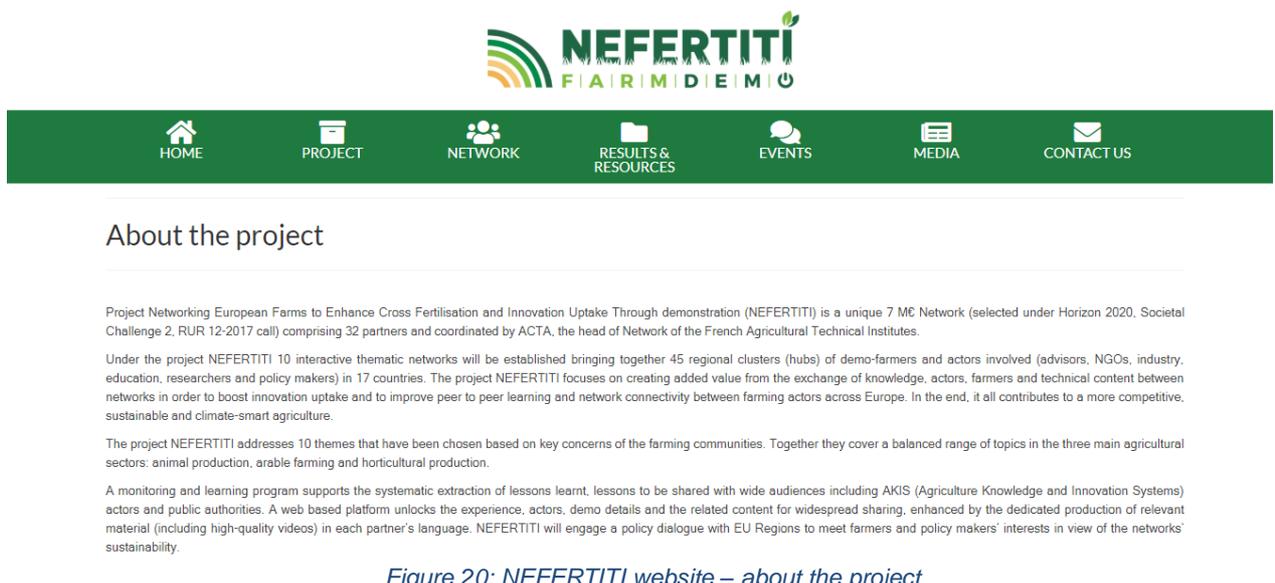


Figure 20: NEFERTITI website – about the project



Under the icon Project, **Project objectives** offers a more detailed explanation of the Nefertiti objectives to the visitors. Objectives are divided into two groups: at the support level and at the coordination level.

Project objectives

The overall objective of NEFERTITI is to establish an EU-wide highly connected network of well-specified demonstration and pilot farms designed to enhance knowledge exchanges, cross fertilisation among actors and efficient innovation uptake in the farming sector through peer-to-peer demonstration of techniques to be organised by themes.

The main project objectives are six:

At the support level:

- Developing dynamic action plans by identifying the needs of demonstration actors and networks' in terms of knowledge and know-how for thematic network activities;
- Supporting cycle of demo-activities and peer-to-peer learning in the regional hubs of demo activities and related actors that will be established. O2 is aimed at learning by doing on how to improve uptake of knowledge among farmers and improve science-practice interactions;
- Establishing a web-based platform including knowledge tanks related to demo-activities incorporating ready-to-use knowledge from other national, EU and EIP related projects, organised by themes and sectors.

At the coordination level

- Establishing and sustaining interactive thematic networks at regional, national and EU levels by sectors and themes (and with the EIP related projects/landscape) to boost knowledge exchanges and cross fertilisation;
- Fostering the learning process of all actors involved in demo-activities throughout the networks to identify best practices for demonstrations and interactivity between demonstrations on similar themes over Europe;
- Improving the policy dialogue and networking the regional European Structural Investment Fund (ESIF) managing authorities to ensure the network sustainability;
- Promoting effective use of demo-and network activities by communicating and disseminating the practical oriented outcomes adapted at local level.

Figure 21: NEFERTITI website – project objectives

When redirected to **Project WPs and Deliverables** a list of Work Packages is presented along with schema indicating dynamics between Work Packages.

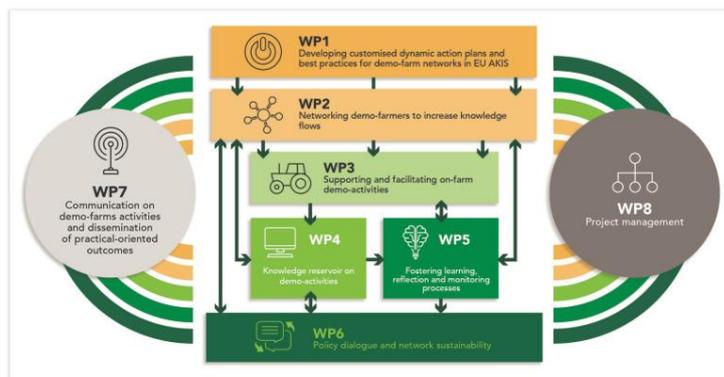


Figure 22: NEFERTITI website – WP interaction



The field **Consortium** from the drop-down menu opens page where information about project partners can be found.

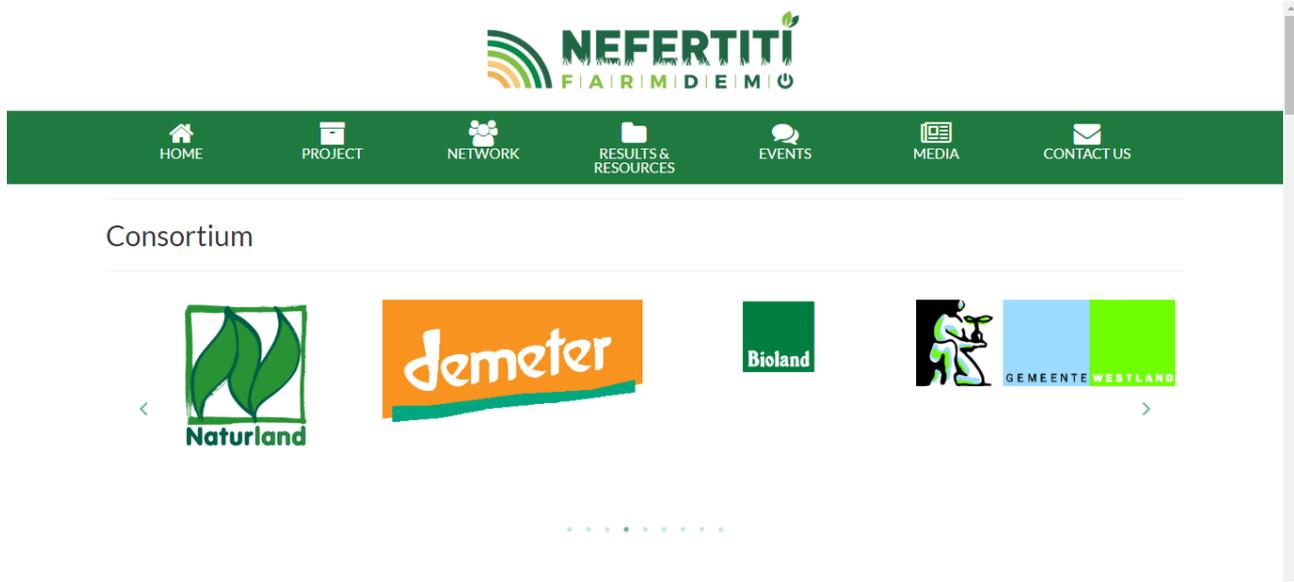


Figure 23: NEFERTITI website – project partners

Network offers an explanation on each network within the project. There are four: animal production, arable crops, horticulture and farm attractiveness. From the drop-down menu the preferred network can be chosen.

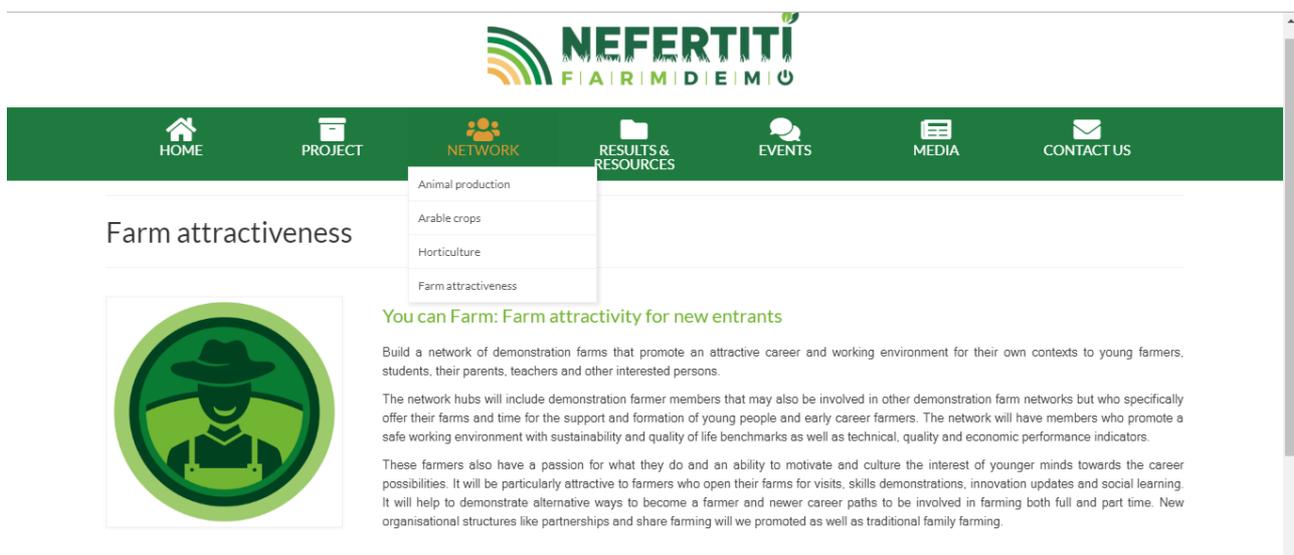


Figure 24: NEFERTITI website – Network description



Results and resources serves as a repository where users will be able to find useful links and info, download materials, find practical abstracts and discover related projects.



Figure 25: NEFERTITI website – Results&resources

In section **Events**, users will find all the information about events related to NEFERTITI (both organized by the project as well as events of interest organized by third parties), other relevant demonstration events, and a calendar of project activities.

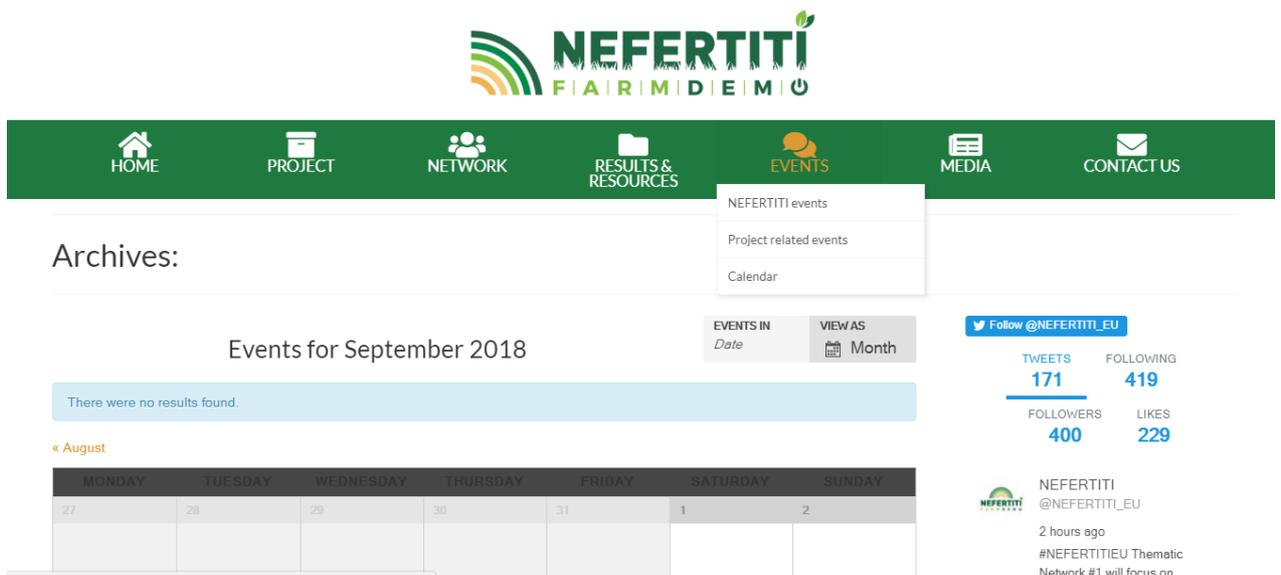


Figure 26: NEFERTITI website – Events

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In **Media** section, visitors can find all relevant information regarding: latest news, newsletter, press releases, promo materials, photo gallery and videos.

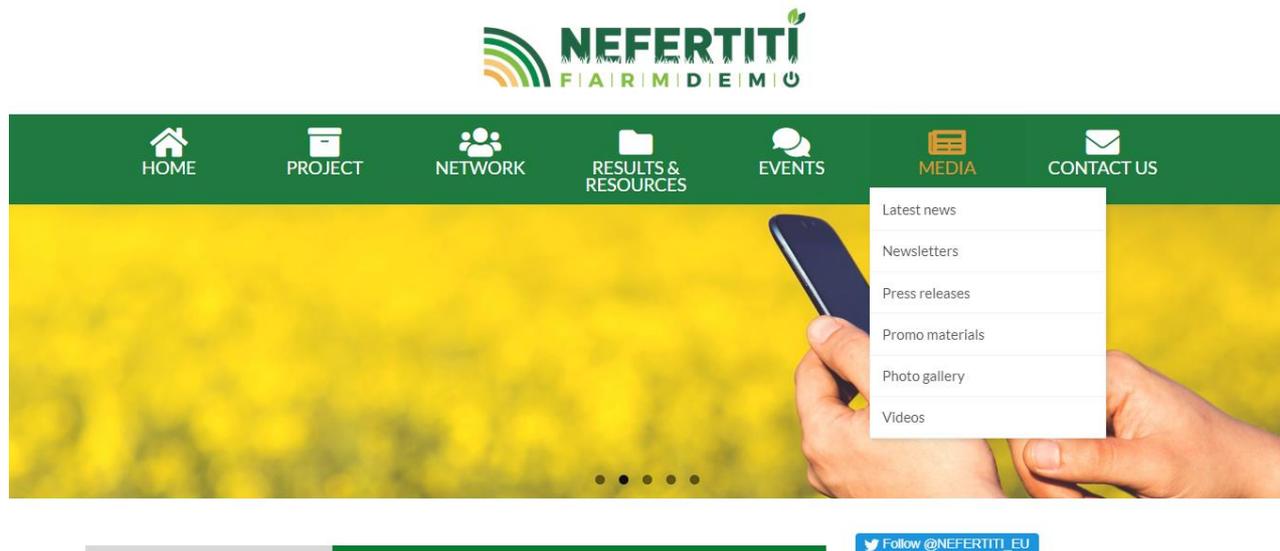


Figure 27: NEFERTITI website – Media

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Conclusion and plan for maintenance

NEFERTITI 



Conclusion and plan for maintenance

The platform is developed according to the DoA of the NEFERTITI project, user requirements and needs, and feedback received between development sprints. The official launching of the platform is on 01.10.2018.

Nevertheless, this is not the end of the development – during meetings with Network leaders, entire new section is envisioned to be created – the section for KPIs and progress monitoring. Requirements and ideas will be gathered during the meeting, the development plan will be developed just after it, so development sprints and feedback loop can start latest 10 days after the end of the meeting.

Maintenance of the platform will be continuous, during the entire project life.

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Annex

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Annex

Annex 1 – Platform mock-up presentation



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AGREEMENT N. 772705



Platform development – sprint 1

17.04.2018.



Platform developemnt – Sprint 1



How the Platform will look like?



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Platform: Entrance point and visual identity



Entrance point:

www.nefertiti-h2020.eu



Dark green	R=0	G=53	B=25
Dark green	R=11	G=122	B=50
Light green	R=115	G=181	B=50
Yellow yolk	R=238	G=165	B=64
Sand	R=244	G=192	B=102



Platform development – Sprint 1



1. Homepage

Nefertiti platform | homepage

1

The screenshot shows the homepage layout with several red annotations:

- A red box highlights the top navigation bar containing the Nefertiti logo and links for Home, Survey, Search Farm, and FAQ.
- A red box highlights a sidebar menu with the following items:
 - links to Demo Farm
 - other links
 - other information
- A red box highlights a map of Europe with several location pins placed across various countries.
- A horizontal bar at the bottom contains ten colored buttons labeled Network 1 through Network 10.



Platform development – Sprint 1



2. Network

Nefertiti platform | network description

2

Nefertiti logo Home Networks Search Farm Survey FAQ

Description of network 1

some pictures in slider

PICTURE NOT AVAILABLE hub1 title
some description, maybe number of farms etc

PICTURE NOT AVAILABLE hub 2 title
some description, maybe number of farms etc

PICTURE NOT AVAILABLE hub3 title
some description, maybe number of farms etc

- Who to contact for Network description?
- Hub picture – country flag?



Platform development – Sprint 1



3. Hub description

Nefertiti platform | hub description

3

Nefertiti logo Home Networks Search Farms Survey FAQ

Description of Hub
some details

List of Farms in this hub

filter 1 filter 2 filter 3 filter 4 reset

Name of farm	Address, Contact person or some other info
Farm 1	
Farm 2	
Farm 3	
Farm 4	

Who to contact for Hub description?



Platform development – Sprint 1



4. Farm description

Nefertiti platform | farm card

5

Nefertiti logo

Home Networks Search Farms Survey FAQ

Farm name



basic details

list of activities

material ready for download



5. Search



Search farms

Criteria 1

Criteria 2

Criteria 3

Criteria 4

CANCEL

SUBMIT

Farm 1
- some details

Farm 2
- some details

Farm 3
- some details

Farm 4
- some details

Farm n
- some details

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Platform developemnt – Sprint 1



Open questions



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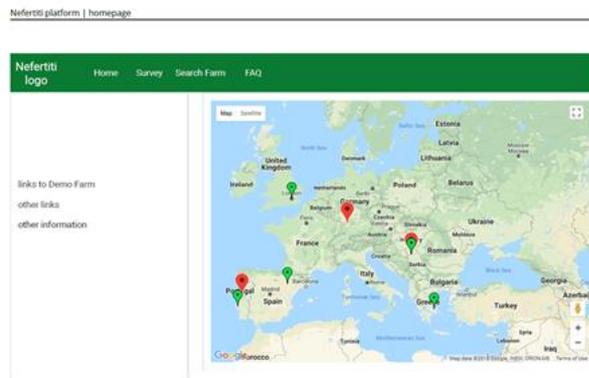
Open questions



Menu bar



Additional information



Link to DemoFarm

 In main menu?

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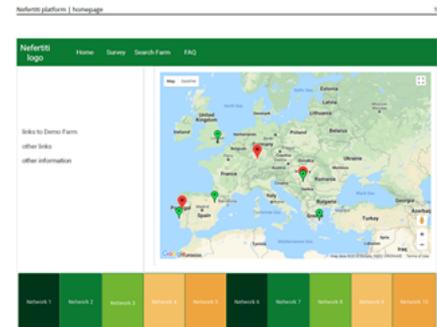


Open questions



Pictures for Network description

- ⏻ To buy them form commercial site (e.g. Shutterstock)



Relationship between farms, hubs and networks

- ⏻ One farm can belong just to one hub?
- ⏻ One farm can belong just to one network?

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Platform developemnt – Sprint 1

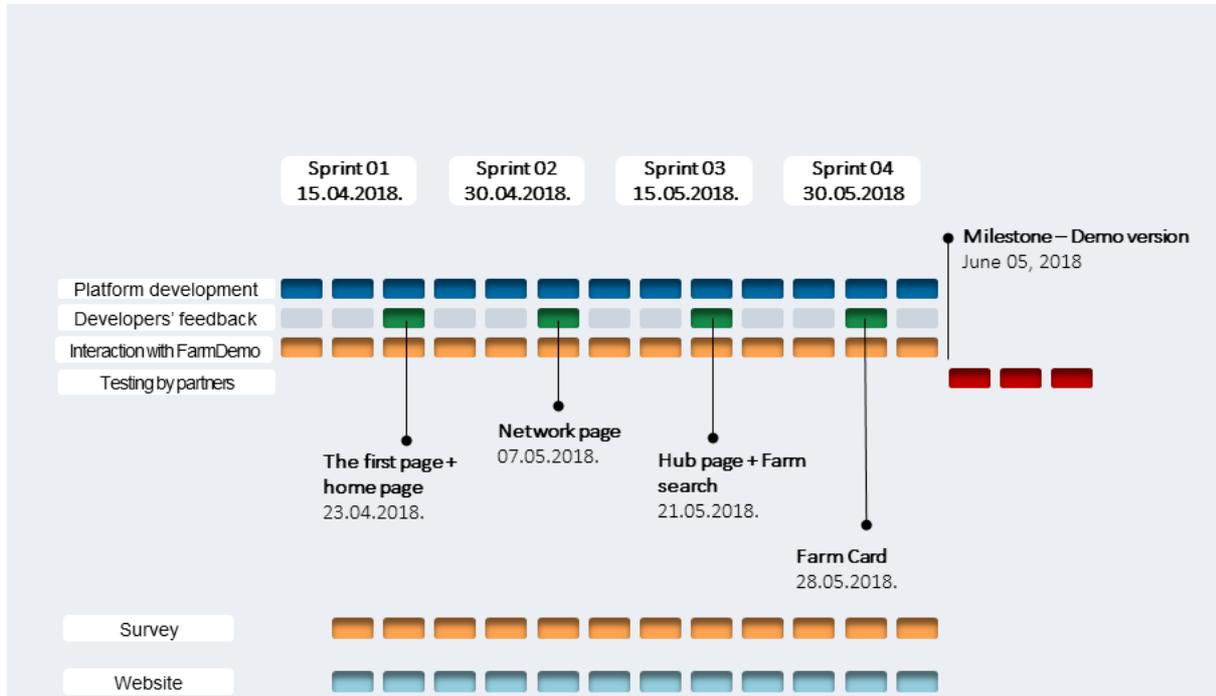


Work plan





Work plan





Thank you for your attention!



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NEFERTITI PARTNERS





Annex 2 – Video screenshot





Annex 3 – NEFERTITI – questionnaire

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Platform requirement gathering



Please, tell us your opinion

After you have seen the mock-up version of the platform, please tell us your opinion! Even the tiniest idea can make a huge impact and improve the platform! Here are some of the areas we would like to bring your attention to. The last question gives you free hands to address any other issue you noticed!

Thank you!

Name and surname:

Organization:

1. Is the platform intuitive enough? If not, which actions do you recommend?

-
-
-
-

2. Have you noticed some missing element and/or functionality?

-
-
-
-

3. When you log in, what feature would you like to have on the platform that would assist you in your day-to-day activities?

-
-
-
-

4. If you noticed anything else, please do not hesitate to share it with us!



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User requirements and platform architecture



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