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

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake
through Demonstration
User requirements and platform architecture

Document Summary

Deliverable Title: User requirements and platform architecture

Version:

Deliverable Lead: BioSense Institute

Related Work package: WP4

Author(s): Milica Trajković, Grigoris Chatzikostas

Contributor(s): Danijela Boberić, Lidija Fodor

Communication level:
CO Confidential, only for members of the consortium (including the Commission Services)

Project Number: 7727053

Grant Agreement Number: 7727053

Programme: NEFERTITI

Start date of Project: January, 01, 2018

Duration: 4 years

Project coordinator: Adrien Guichaoua

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.)

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

Table of contents

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

1
Introduction

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

Introduction 5

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 form 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.

NEFERTITI
**Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake
through Demonstration**
User requirements and platform architecture

2
Methodology

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

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:
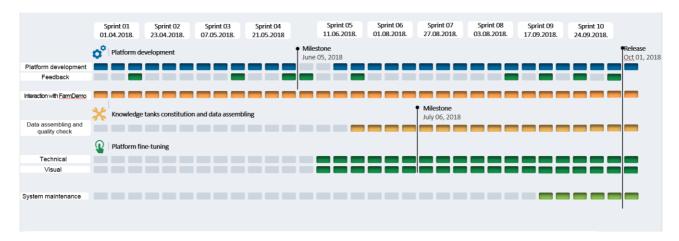

Figure 1: Timeline M1-M9

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.

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

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 form 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.

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake
through Demonstration
User requirements and platform architecture

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

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

3
Summary of user requirements

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

Summary of user requirements

During the NEFERTITI platform development, requirement 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

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake
through Demonstration
User requirements and platform architecture

The findings of the questionnaire analysis can be summarized in four main groups:
- Content presentation
  - o Detailed map where all farms will be presented
  - o Order of the Networks on the home page
  - o Each farm should have its own link
- Content
  - o Explanation of each network and hub
  - o Calendar of events (with announced next events of the project)
  - o Contact of Hub leader (maybe Skype)
  - o Videos of each Network
- Private area
  - o Tool for communication / interaction (two-way communication between hub/network members;
  - o Place for main KPIs monitoring (schedule, next events, number of participants…)
- Questionnaires
  - o 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.

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

4

Description of the platform (M09)

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake
through Demonstration
User requirements and platform architecture

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.

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

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:

NEFERTITI
**Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake
through Demonstration**
User requirements and platform architecture

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:

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

Figure 7: Network description

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

Figure 8: Hub description

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

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:

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

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:

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

Figure 11: Questionnaire – written consent

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

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:

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

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

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

Figure 16: Farm card

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

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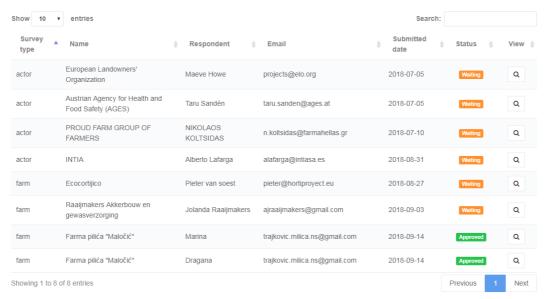
Survey type	Name	Respondent	Email	Submitted date	Status	View
actor	European Landowners' Organization	Maeve Howe	projects@elo.org	2018-07-05	Waiting	🔍
actor	Austrian Agency for Health and Food Safety (AGES)	Taru Sandén	taru.sanden@ages.at	2018-07-05	Waiting	🔍
actor	PROUD FARM GROUP OF FARMERS	NIKOLAOS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

Showing 1 to 8 of 8 entries

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).
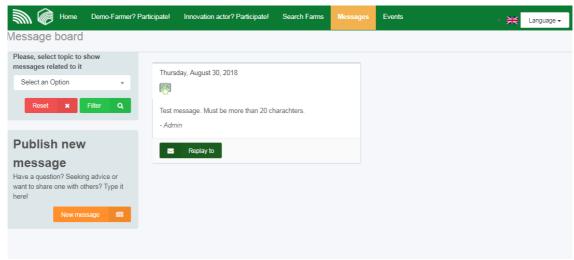
Figure 18: Message board

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

3. <u>Edit of the Network / Hub pages</u> – 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

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

5
Technical specifications

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

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 RESTFful 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.

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

6
Website

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake
through Demonstration
User requirements and platform architecture

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

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

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.

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.
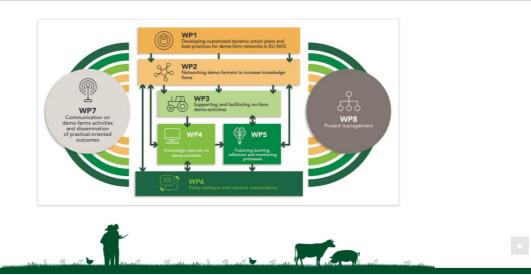
.

Figure 22: NEFERTITI website – WP interaction

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake
through Demonstration
User requirements and platform architecture

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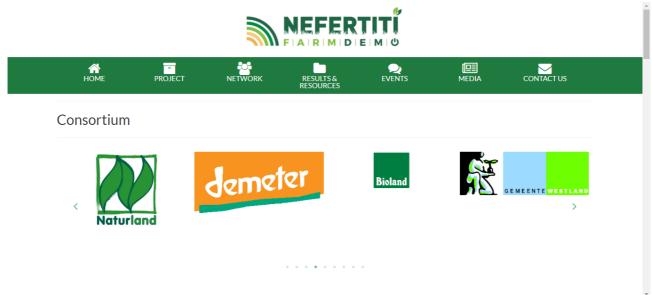

Figure 23: NEFERTITI website – project partners

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.
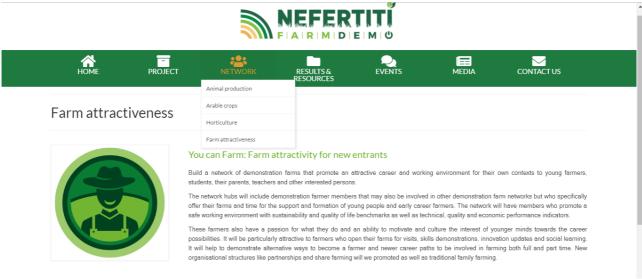

Figure 24: NEFERTITI website – Network description

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake
through Demonstration
User requirements and platform architecture

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.
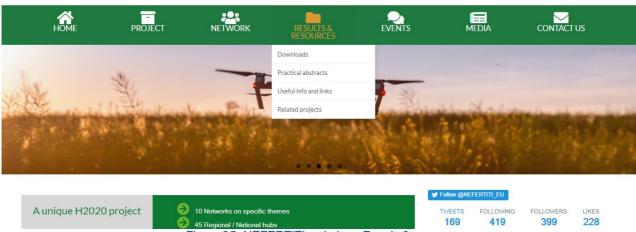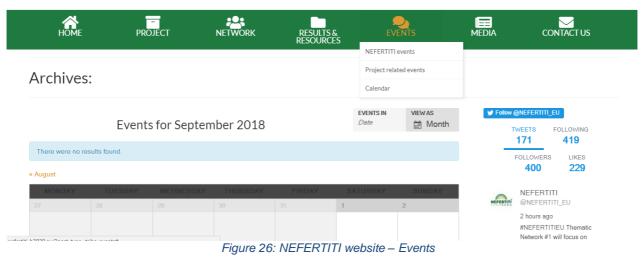

Figure 25: NEFERTITI website – Results&resources

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

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake
through Demonstration
User requirements and platform architecture

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

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

7

Conclusion and plan for maintenance

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake
through Demonstration
User requirements and platform architecture

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.

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

8
Annex

NEFERTITI
**Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake
through Demonstration**
User requirements and platform architecture

Annex

Annex 1 – Platform mock-up presentation

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

Platform development – sprint 1

17.04.2018.

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

Platform developemnt – Sprint 1

How the Platform will look like?

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

Platform: Entrance point and visual identity

Entrance point:

www.nefertiti-h2020.eu

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
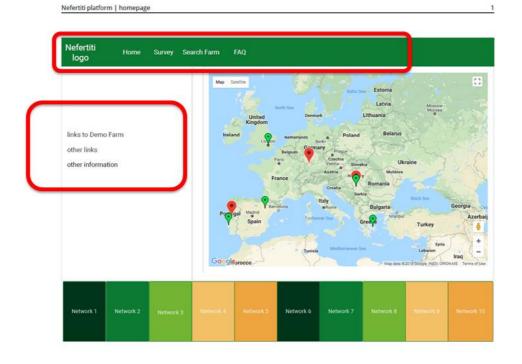*User requirements and platform architecture*

Platform development – Sprint 1

1. Homepage

NEFERTITI
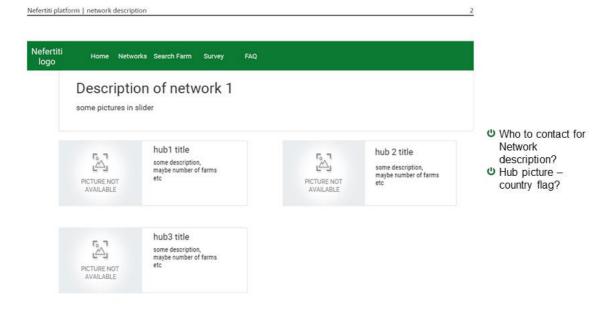**Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration**
User requirements and platform architecture

Platfrom development – Sprint 1

2. Network

NEFERTITI
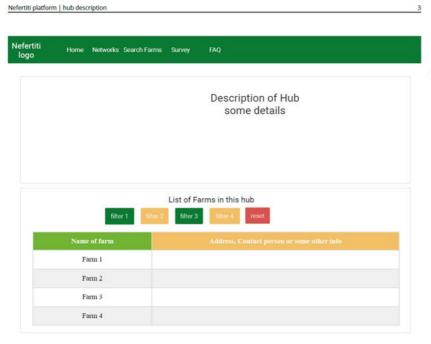**Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration**
User requirements and platform architecture

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

⏻ Who to contact for Hub description?

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	

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
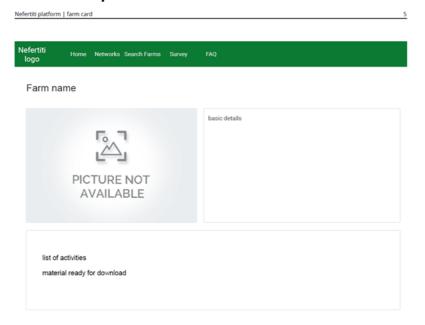*User requirements and platform architecture*

Platfrom development – Sprint 1

4. Farm description

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
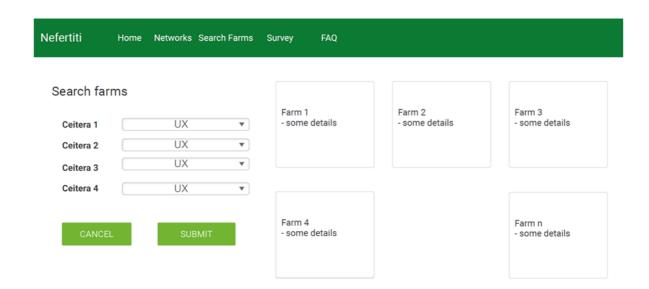*User requirements and platform architecture*

Platform development – Sprint 1

5. Search

Nefertiti platform | search farms   4

| Nefertiti | Home | Networks | Search Farms | Survey | FAQ |

Search farms

Ceitera 1	UX ▼
Ceitera 2	UX ▼
Ceitera 3	UX ▼
Ceitera 4	UX ▼

CANCEL   SUBMIT

Farm 1
- some details

Farm 2
- some details

Farm 3
- some details

Farm 4
- some details

Farm n
- some details

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

Platform developemnt – Sprint 1

Open questions

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
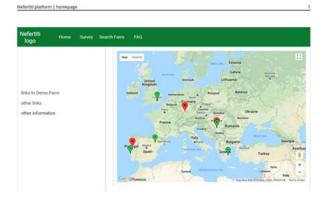*User requirements and platform architecture*

Open questions

Menu bar

Additional information

Link to DemoFarm

In main menu?

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
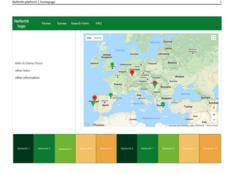*User requirements and platform architecture*

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?

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

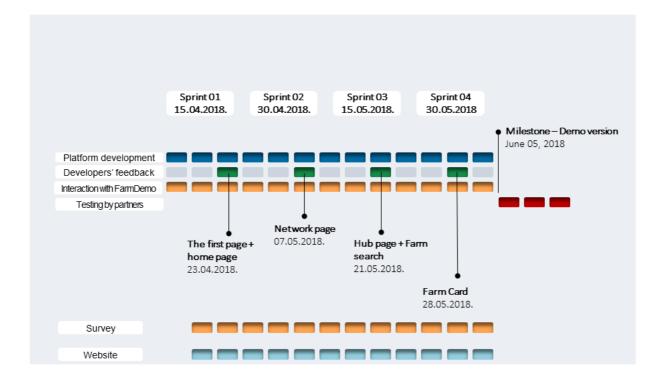Platform developemnt – Sprint 1

Work plan

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

Work plan

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

Thank you for your attention!

THIS PROJECT HAS RECEIVED FUNDING FROM THE **EUROPEAN UNION'S HORIZON 2020 RESEARCH AND INNOVATION PROGRAMME** UNDER GRANT AGREEMENT N. 772705

NEFERTITI PARTNERS

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

Annex 2 – Video screenshot

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake
through Demonstration
User requirements and platform architecture

Annex 3 – NEFERTITI – questionnaire

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

NEFERTITI
Networking European Farms to Enhance Cross Fertilisation and Innovation Uptake through Demonstration
User requirements and platform architecture

NEFERTITI PARTNERS