



A Cost-Effective Photonics-based Device for Early Prediction, Monitoring and Management of Diabetic Foot Ulcers

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## Executive Summary

This document constitutes deliverable D9.1 “PHOOTONICS Website” that aims to promote and raise awareness of the PHOOTONICS and its practices. In particular, the PHOOTONICS website is the main communication channel for the consortium’s objectives, achievements, events, and publications.

The document includes an overview of the website’s functionality, as well as a brief description of the currently available content and structure. Several screenshots from the PHOOTONICS website are also provided, so as to showcase the various features that have been incorporated and are currently supported.

# 1 Introduction

## 1.1 Purpose

The PHOOTONICS website is the project's main impression to the world. We have opted for a functional, yet professional design, in order to showcase recent news, results, on-going activities, and other project-related material. It should be noted that this report provides only a snapshot of the website at its current state, as the website will be continuously updated, not only in terms of content, but also in terms of functionalities provided to its visitors and the project partners. In section 3 of this report we focus on the description of the PHOOTONICS website, providing insight into the platform used to deploy it, and its layout. In section 4 we conclude this report. This section is followed by Appendix A, where more screenshots of the website are provided.

## 1.2 Structure

This document is structured as follows:

Section 1: Introduction

Section 2: The PHOOTONICS Website

Section 3: Conclusions

## 1.3 Applicable Documents

AD1 PHOOTONICS Grant Agreement

## 2 The PHOOTONICS Website

The website for the PHOOTONICS project is publicly available at <https://phootonics.eu/> and is maintained by EXUS. The website has been available from the third month of the project (January 2020).

The primary ambition of the PHOOTONICS website is:

- a. To establish an online presence and to disseminate the generated information and material to the public;
- b. To raise awareness on PHOOTONICS and provide information to all stakeholders about the progress of the project.

The technical details, the structure, and the main functions of the website are described in the following sections, along with short descriptions of each web page.

### 2.1 Technical Infrastructure

The website was built using Wix, a cloud-based web development platform. It allows users to create HTML5 websites and mobile sites through a user-friendly interface. Currently used by more than 150 million users in 190 countries, Wix provides a set of tools to build a professional website with functionalities such as integration with social media channels, blog support, etc.

The PHOOTONICS website is responsive, so as to offer deployment on all possible devices such as tablets and smartphones. The colour scheme and overall aesthetic have been used to establish a distinctive modern look.

### 2.2 Website layout

The PHOOTONICS website is build using a contemporary layout on the ‘homepage’ with simple page layouts throughout the site. Overall the layout comprises the following sections:

- a. The **Main Navigation panel**, offering quick access throughout the site pages;
- b. The main **Content Area**, occupying the main area of each page;
- c. The **Footer**, containing information regarding funding, as well as contact details.

### 2.3 Menus and submenus

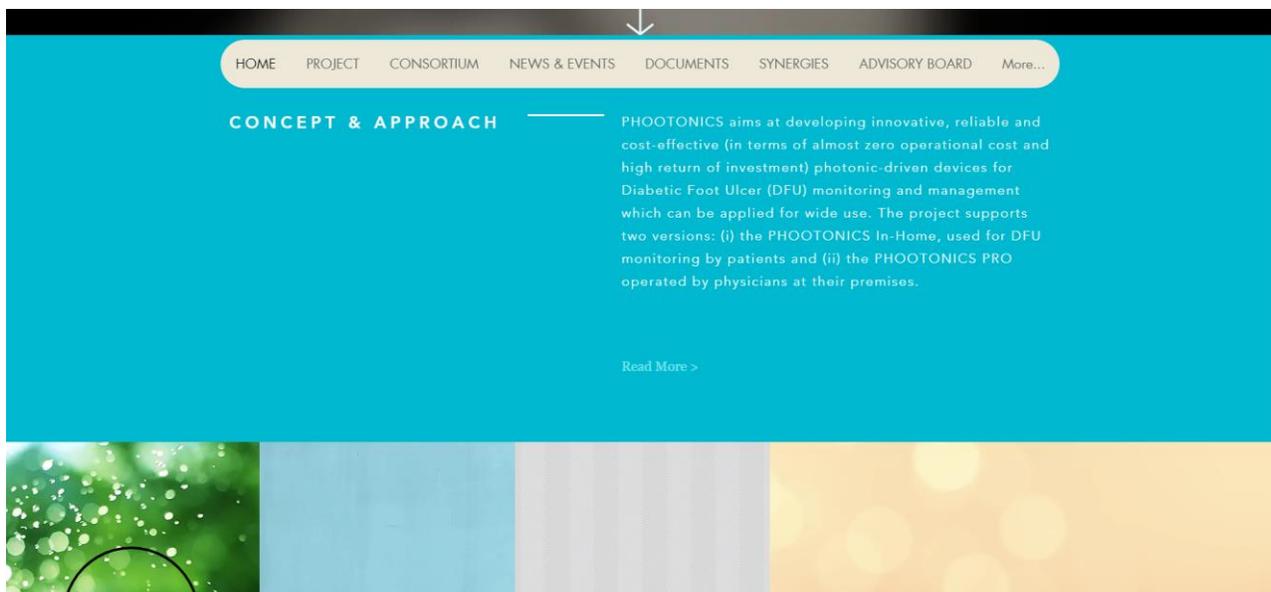
This subsection presents the menu and submenu entries that comprise the Main Navigation Panel.

#### 2.3.1 Home

The public first page of the website provides the project logo, along with a summary of the PHOOTONICS concept. Direct links to other website pages, such as “News”, and “Publications” are provided for easy access.



*Figure 1. View of the "Home" page - upper part*



*Figure 2. View of the "Home" page - middle part*

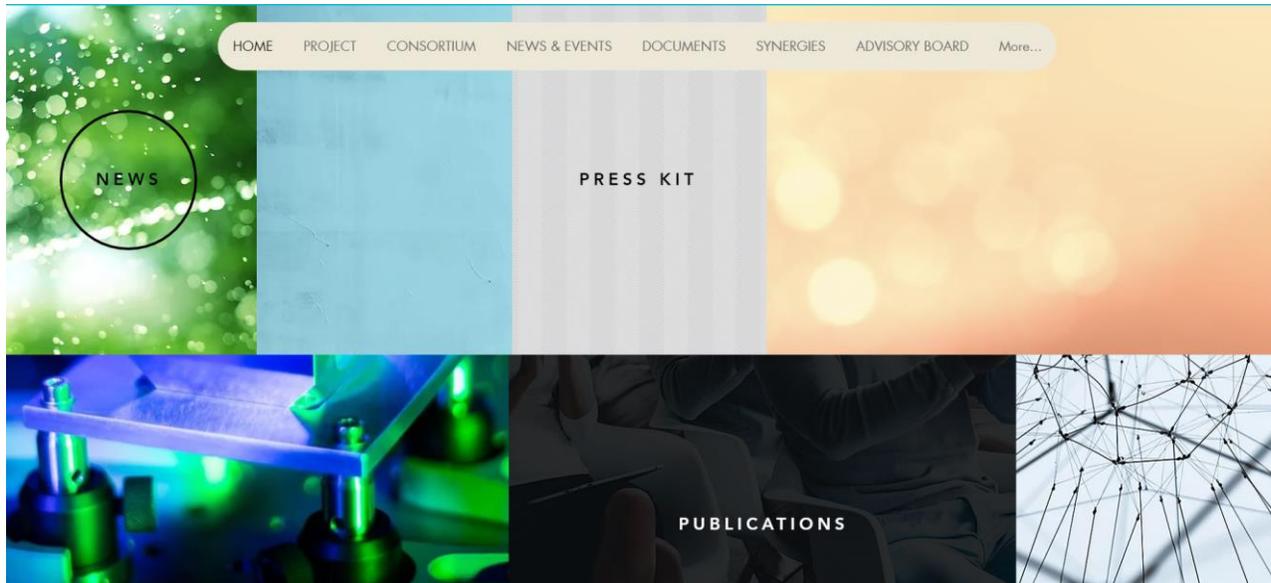


Figure 3. View of the webpage - middle part 2

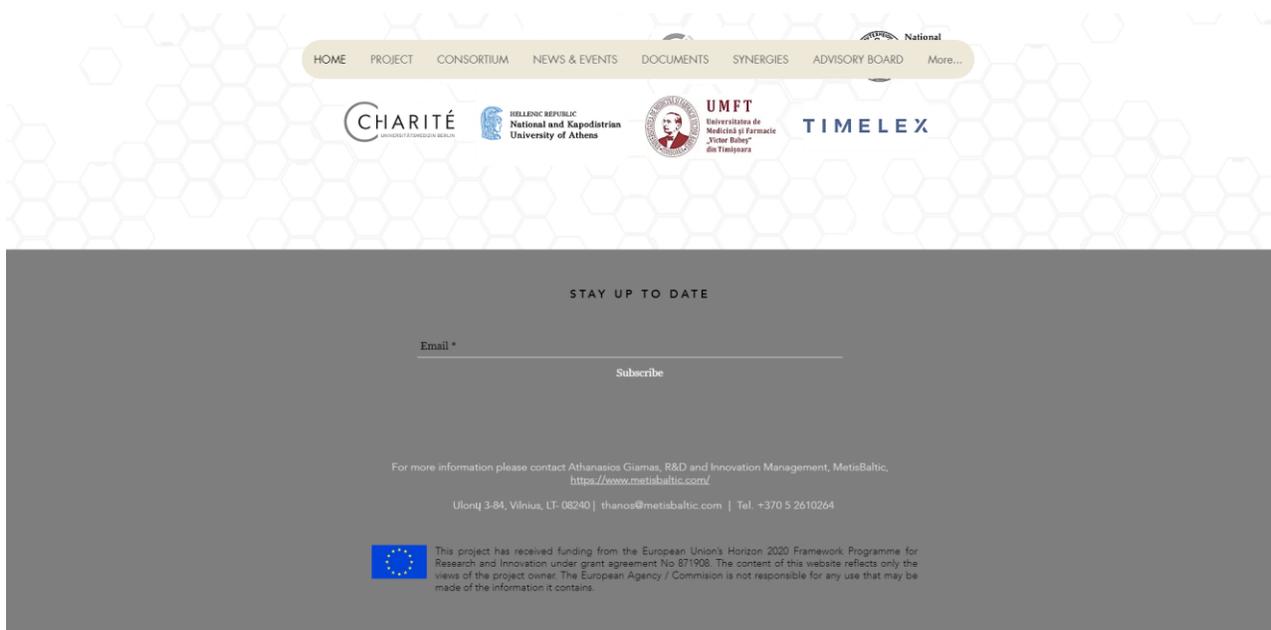


Figure 4. View of the "Home" page - lower part

### 2.3.2 Project

This section of the PHOOTONICS website provides information related to the project. In this page the visitor will be able to find information about the PHOOTONICS project, the motivation behind it, a more elaborate description of the Concept, and the project objectives.

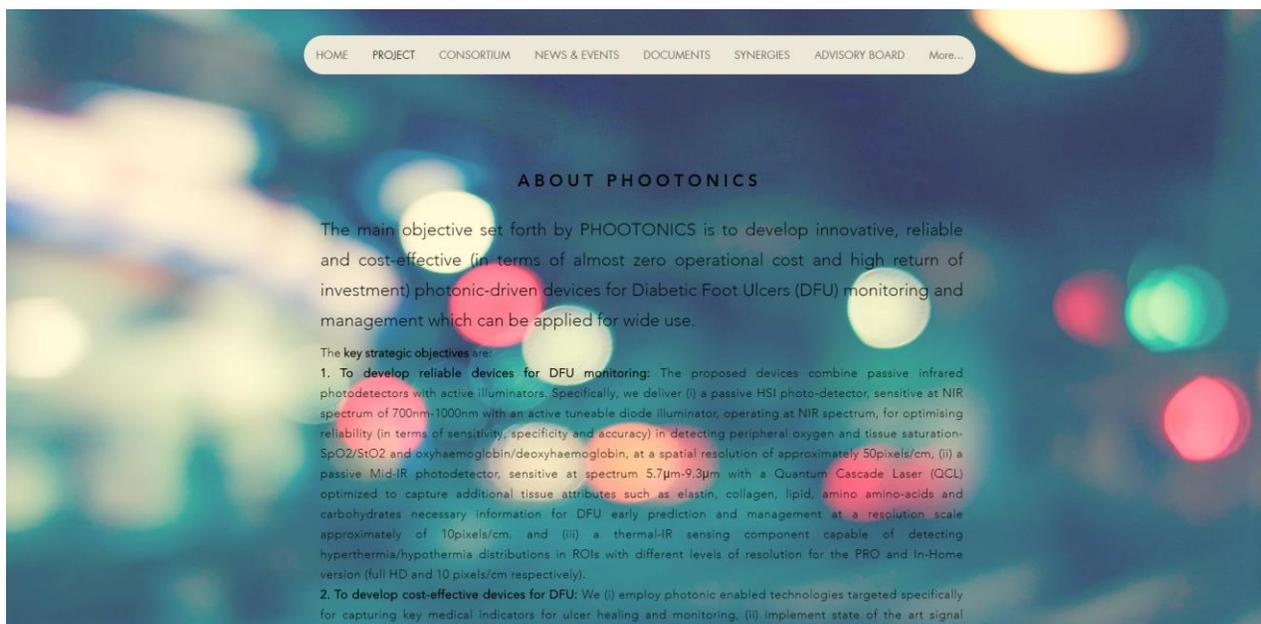


Figure 5. View of the "Project" page - upper part

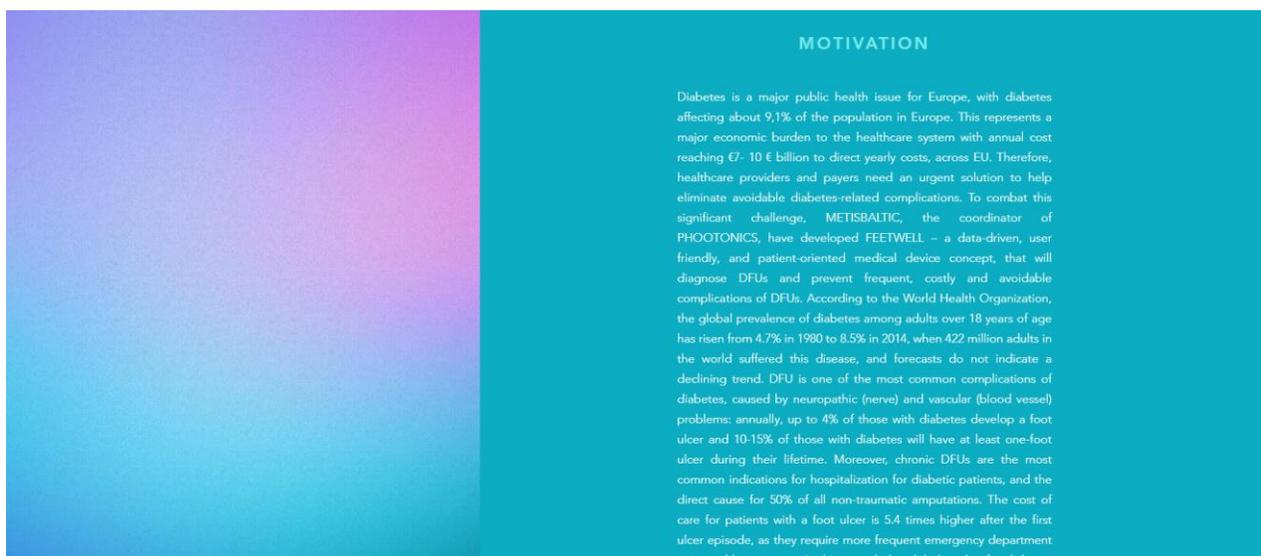


Figure 6. View of the "Project" page - middle part

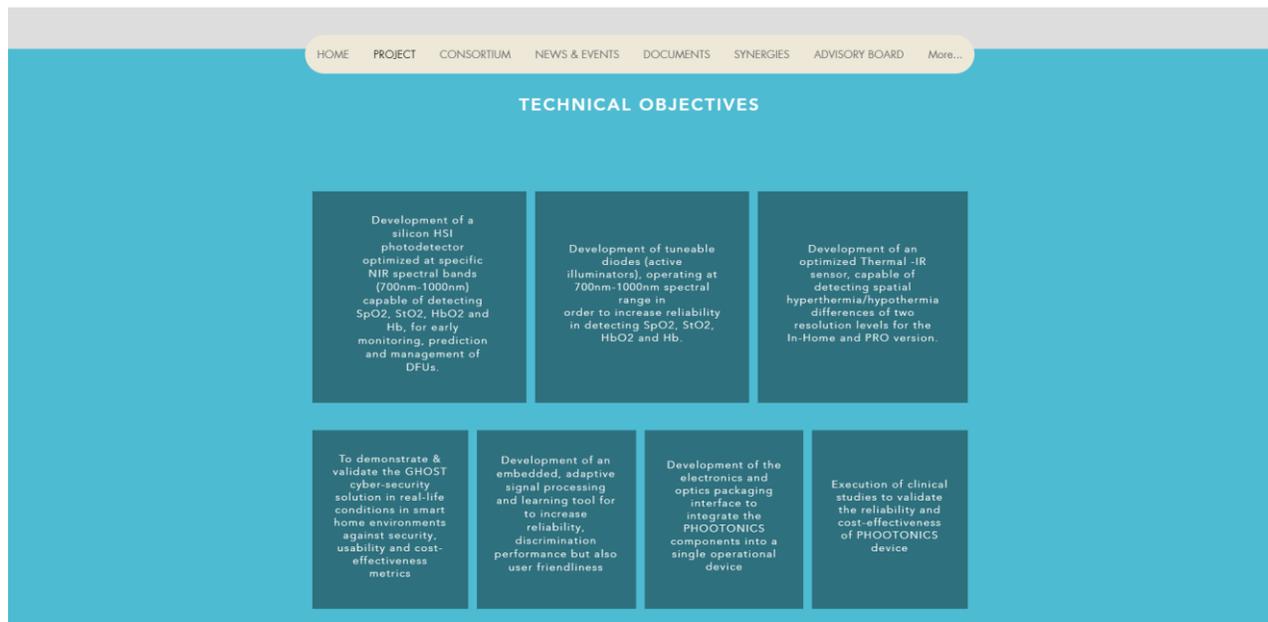


Figure 7. View of the "Project" page - middle part 2

### 2.3.2.1 About PHOOTONICS

This subsection of the website is about the main objective of the PHOOTONICS website. The two major strategic objectives are also presented, providing a high-level view of the project to the visitor.

### 2.3.2.2 Motivation

This subsection presents the motivation that led the consortium to the realization of the PHOOTONICS project.

### 2.3.2.3 Concept & Approach

Here we present the PHOOTONICS concept, including the description of the two devices that will be developed within the project, and the approach that we will follow in order to fulfill our objectives.

### 2.3.2.4 Objectives

The technical objectives of the PHOOTONICS project are provided in this subsection, allowing the visitor to understand the technical aspect of the project.

### 2.3.3 Consortium

The “Consortium” page provides information about the “Consortium as a whole” before presenting all consortium partners, along with their logos and links to their webpages.

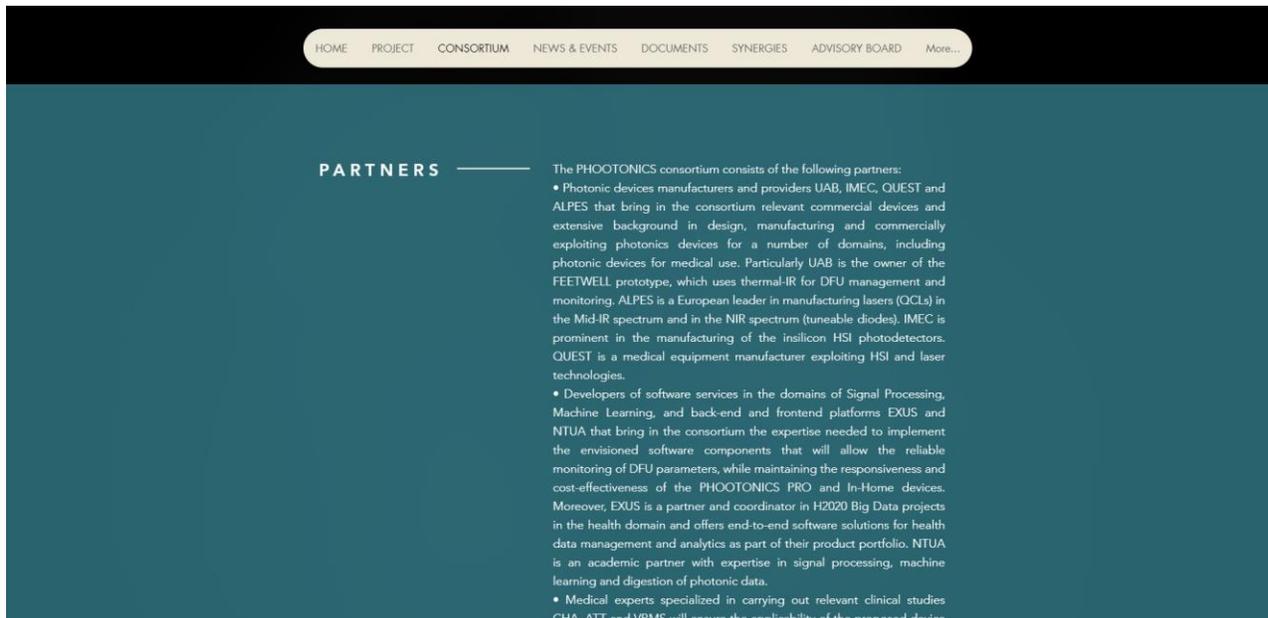


Figure 8. View of the “Consortium” page - upper part

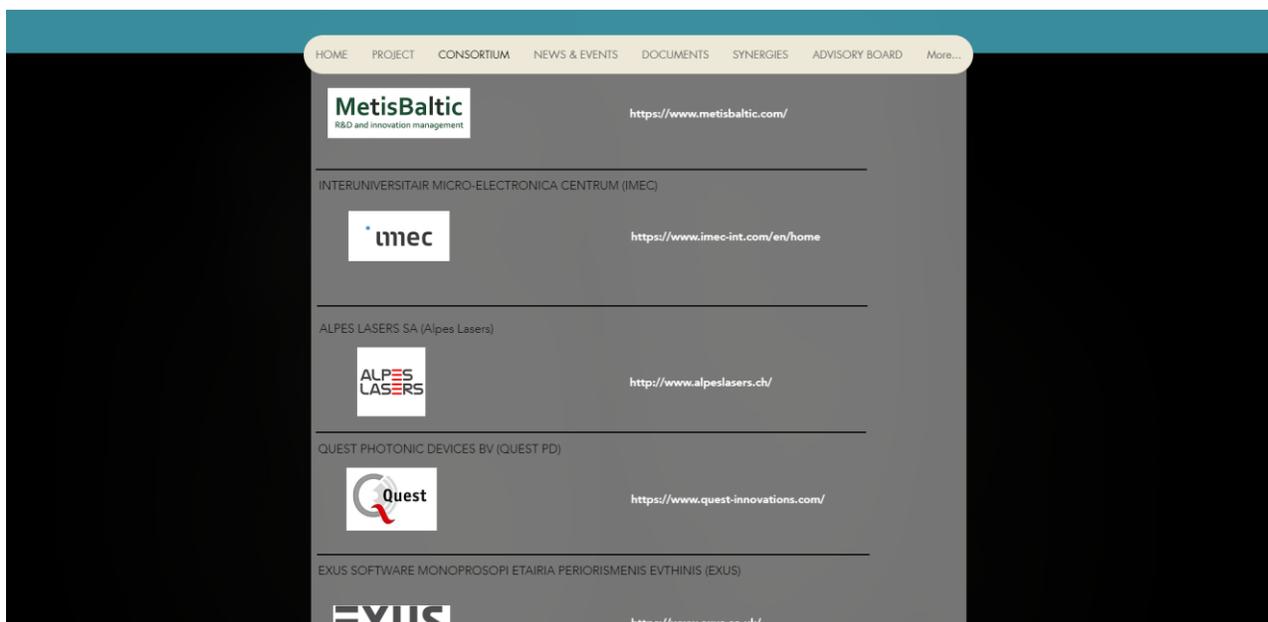


Figure 9. View of the “Consortium” page - lower part

### 2.3.4 News & Events

This is the page where all communication material will be presented. This includes information about news and events, and the newsletters and press kits that will be produced. A calendar at the bottom of the

page will present the dates when events related to the PHOOTONICS project (e.g. workshops, exhibitions, etc.) will take place. This page consists of the following subsections:

- News & Events
- Newsletters
- Press Kit
- Calendar

#### 2.3.5 Documents

The “Documents” page in the PHOOTONICS website will have a twofold scope. It will include all publications created by the project partners and funded by the PHOOTONICS project. Secondly, a visitor will be able to find all deliverables submitted by the project to the European Commission. For deliverables with a Restricted Dissemination level, only the executive summary will be provided. The “Documents” page will comprise the following two subsections:

- Publications
- Deliverables

#### 2.3.6 Synergies

This page will present information related to synergies of the PHOOTONICS project with other projects and initiatives. Information about the scope of each synergy will also be included, providing visitors with insight over the liaison activities of the project.

#### 2.3.7 Advisory Board

This page presents the members of the Advisory Board. News related to the Advisory Board meetings will be communicated through this page.

#### 2.3.8 Contact

This page provides a form via which anyone can contact the project. A map showing the location of MetisBaltic, the Project Coordinator, is also included.

#### 2.3.9 Link to the Document Management System

This is a direct link to the Document Management System, i.e. the internal platform employed by the consortium partners for their communication and exchange of project-related files.

## 2.4 Document Management System

In order to facilitate all project-internal communication, an online, centralized document management system (based on NextCloud file share and communication platform) has been set up and will be maintained throughout the project. The Document Management System is hosted on servers maintained by the coordinator (METIS BALTIC).

Key characteristics of the PHOOTONICS Document Management system include:

- Easy access
- Real-time collaboration
- End to end encryption – secure file exchange
- Change tracking
- Mobile and Desktop Clients

### 2.4.1 Access

The Nextcloud-server software supports the WebDAV protocol, so users can connect to the server and synchronize working data. This is possible with every popular browser (IE, Chrome, Edge, Safari etc.), through the link <https://cloud.phootonics.eu>. No additional software is needed to install for the users.

It is also possible to access by client applications, which are available for all common Windows, Mac and Linux as well as by mobile apps for iOS and Android. It is not necessary to install the apps, but they facilitate the working with files, so they are automatically synchronized properly after saving. The client can be configured to store the data on any local directory.

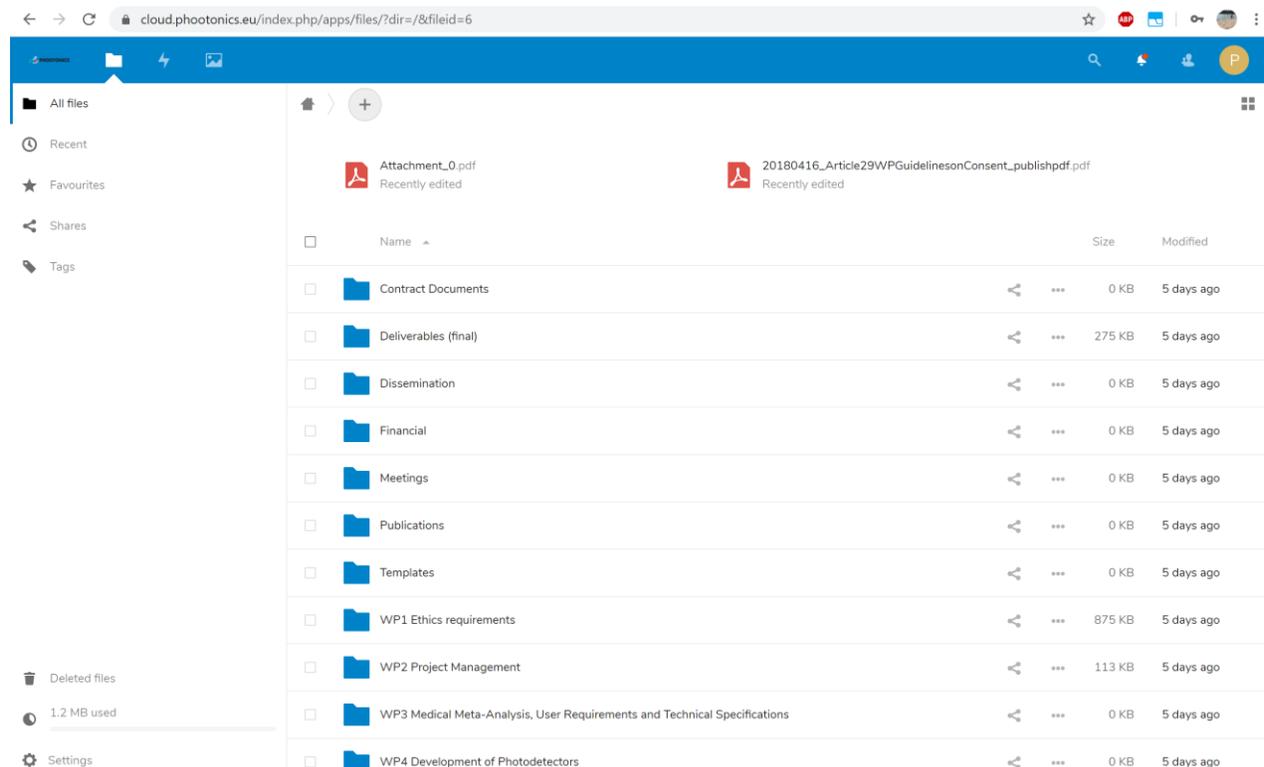


Figure 10: The PHOOTONICS Document Management System

#### 2.4.2 Security

Version control allows access to older versions of the files. The Nextcloud software is updated frequently to keep the system up-to-date.

A daily backup is made from all data, which are physically separated from the server.

Access to the files is only allowed through the https-protocol [HTTPS]. After the login to the Nextcloud service, all communication is protected through an SSL encrypted access, verified by a CA certificate.

### 3 Conclusions

In this report we have provided a thorough presentation of the PHOOTONICS website. The latter will be continuously updated to include all events, publications, news, deliverables that will be gradually part of the project output. As a result, we believe that this website will support the project's dissemination and communication goals.