



SPIDER

5G CYBER RANGE

a cyberSecurity Platform for virtualised 5G cyber Range services

Deliverable D1.1

Project website

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Disclaimer

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1 EXECUTIVE SUMMARY

This document provides a general overview of the structure and contents of the SPIDER project website. It reflects, at the time of writing this report, the current status and the planned content and features evolution that will be developed along with the project progress during the 3 years lifespan. Possible modifications and improvements might be identified in future to address any needs not identified at this stage of the project. The website provides the main point of initial contact and information to the public and to other researchers. According to what is requested in WP8 (communication and dissemination), the website has been designed to be professional, market facing, crawlable, responsive and it is planned to be regularly maintained using different formats (e.g. webinars, video clips, practical guides, white papers, collaterals, banners, brochures etc.). It is intended to publish both general content on the project, but also links to the technical non-confidential deliverables (when these become available). The website also provides the consortium members with the link to the private area which is to be used as a space for collaborative work to facilitate and enhance the activity of the consortium.

2 INTRODUCTION

The SPIDER website was structured and designed as the vehicle for dissemination of the work, both to the general public and also to experts in the field.

The website and the associated collaboration platform will provide detailed information about the SPIDER project objectives and activities. The intended use is for both internal Consortium communication and public dissemination. The objective will be that this platform will be constantly updated with material such as upcoming meetings, participations in events, dissemination actions, conferences, publications, whitepapers, newsletters, news, photos, etc. It will be a key enabler for communications between project partners, stakeholders and the wider public to share project outcomes

The website is the public part: it will be open to the general public and will be viewable by anyone with access to Internet. The collaboration platform is the private part: it will be regularly updated to provide latest project activities and overall progress and will be accessible only to consortium members. It represents the project area restricted to the Consortium.

The Project Coordinator ERICSSON has registered the following domain name:

<https://spider-h2020.eu>

This domain will host the website of the SPIDER project.

The project partner in charge (ERICSSON) has designed the layout, based on WordPress as CMS [3][2], and will maintain the website content during the project lifetime and at least 3 years after the end of the project. The partner UBITECH has temporarily provisioned the hosting service for the first online website version. For the following iterations, the CMS stack and data will be transferred to the web hosting service provisioned by ERICSSON according to the result of an assessment, which is currently ongoing at the time of writing this report, to confirm the appropriate IT solution.

The content updates will be produced mainly as part of WP8 – Task 8.1 Dissemination and Communication. This task, in charge of project partner 8BELLS, is responsible for creating the project's graphic identity as the basis for all communication tools. This task will also populate social media channels associated to the website. SPIDER is connected to social media and, at the time of writing this report, has a Facebook page, a YouTube channel and a Twitter account. Links to these can be found on the SPIDER webpages. The website will also produce measurement of web traffic based on web analytics. The aim is to measure the digital impact of the project, collecting information like number of visitors per month, visitor per country, visited pages, used device and browser for entering the website.

Concerning the collaboration platform, the project partner in charge (ERICSSON) has provided an online file repository based on a MS SharePoint Online Extranet site [4] and serving as the basis for the online collaboration platform for providing access to project management information within the consortium (including information for meetings, minutes, project participants, important events, etc.). Password protected file repository, which is accessible only by the registered users from the consortium members through the “private area link” present on the SPIDER website main menu or via a “direct URL link”, has been organized according to an appropriate directory structure and will be maintained by ERICSSON (see deliverable D1.1 Project Management Handbook [5] for full description)

3 THE PROJECT WEBSITE

At this early stage in the project only the generic pages describing the objective, motivation, vision of the project and the consortium overview are populated. As soon as available, additional publications and non-confidential deliverables will be added. The website will be updated regularly based on the communication and dissemination plan driven by WP8. The website has been built using WordPress, which facilitates updating by the project management team over the duration of the project.

The overall available content, that is candidate for publishing, has been collected and analysed to form the information base for the first iteration of the WEB portal. The way it is currently organized in the various mock-ups and presented in the following page is based on a typical structure derived from other EU projects.

Opinion from the owner of communication and dissemination WP8 for SPIDER is that the suggested template is capable of featuring and including all the necessary information.

3.1 HOME PAGE

The home page of the portal represents the front-end message of the SPIDER project to communicate the **project objectives**, summary of latest project activity and indications on where to find on the website the **project results** containing all the essential information concerning the project activity that can be published on the public Internet.

The home page is organized according to the following design model:

Top of the page (Figure 1)

- Graphical identity of SPIDER (background image)
- Menu items: Home, About Us, News, Publications, Media, Contact Us, Private Area
- Search button

Central part of the page (Figure 4)

- Project background, SPIDER positioning overview, vision
- Side bar with Search box, list of Recent posts and Subscribe to SPIDER newsletter

Bottom of the page (Figure 2)

- Horizon 2020 message disclaimer
- Social Media (“follow us”) buttons: Facebook, Twitter, YouTube

Here below in Figure 1, Figure 2, Figure 3 and Figure 4 a representation of the home page in terms of header and main menu, footer, menu details, and home page main content and the side bar.

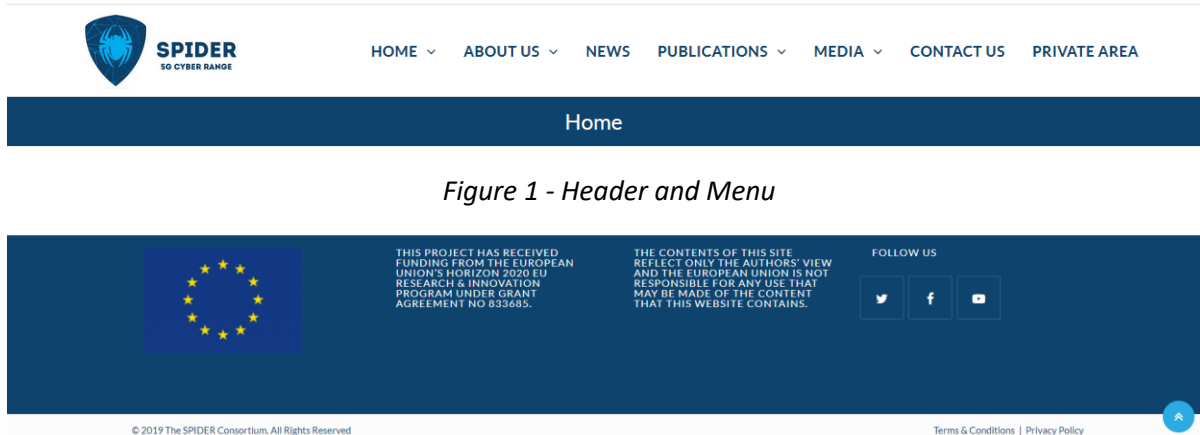


Figure 1 - Header and Menu

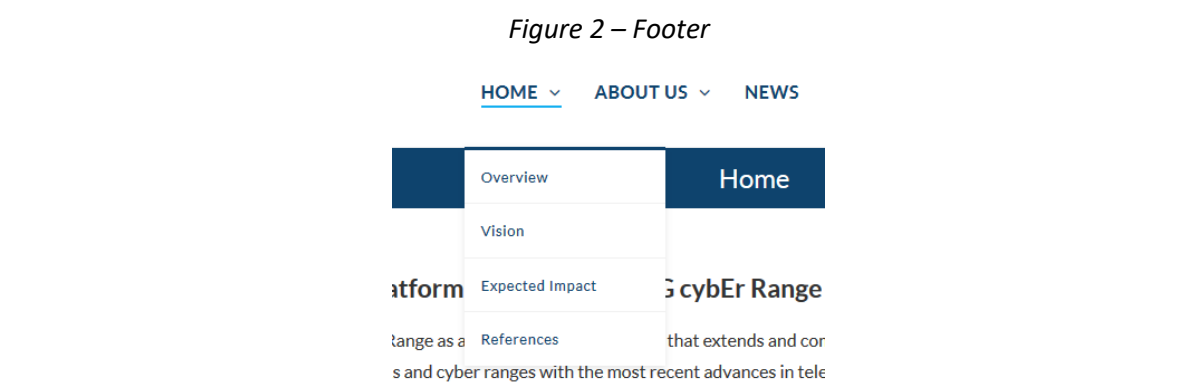


Figure 3 – The “Home” tab and its subentries



Figure 4 - Home page main content and the side bar

3.2 ABOUT US PAGE

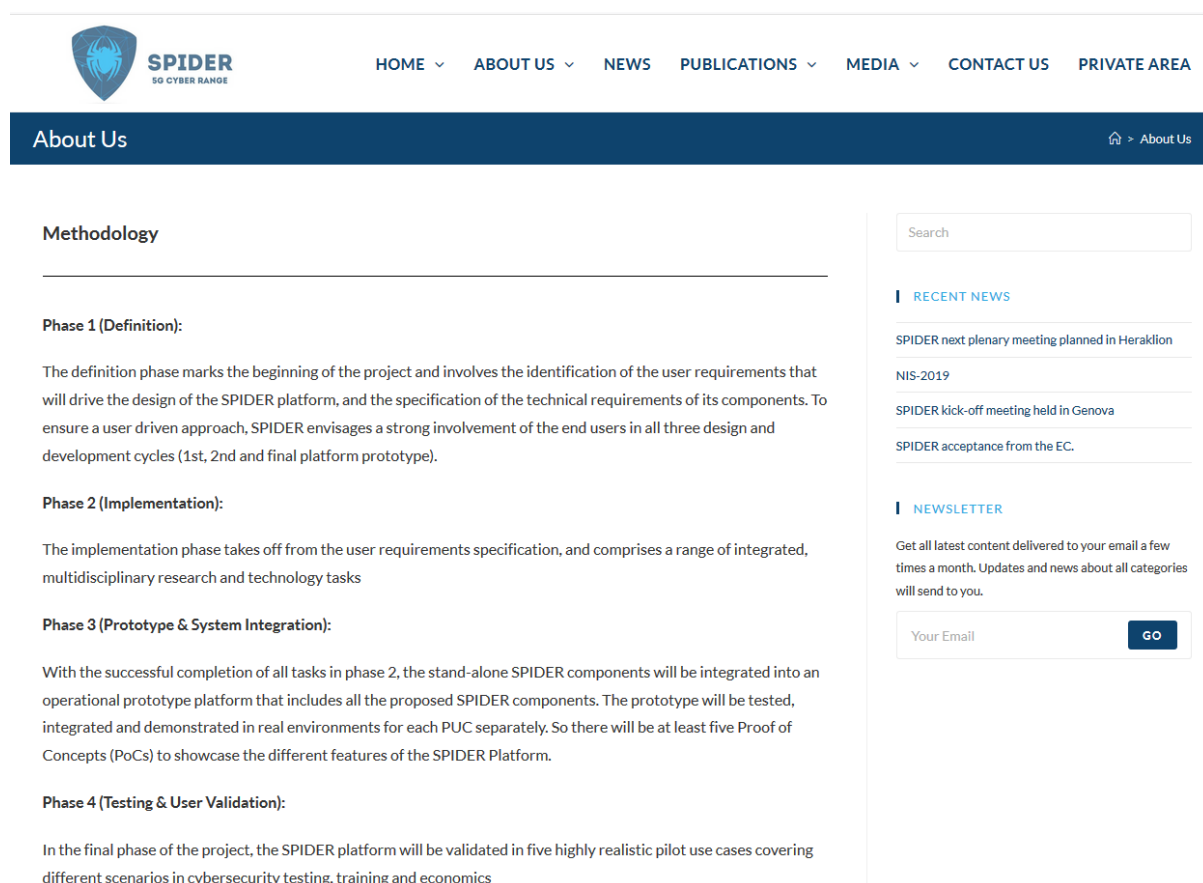
The intended use of the “About Us” page is to give a high level overview of the SPIDER project. This is a page with static data, i.e. should not change during the project unless any amendment formally agreed with the EC.

This page is split into the following sub-sections:

- Methodology, Objectives and Concept of the project implementation
- Project fact-sheet with reported public key data such as start/end date and duration, basics data of the consortium, budget, reporting periods and estimated effort/resources.
- Consortium composition with a geographical map and a table reporting the official partner names list

A drop-down menu points to the various sections of the page.

Figure 5 gives a representation of the “About Us” page while consortium representation can be found in Figure 6.



Methodology

Phase 1 (Definition):

The definition phase marks the beginning of the project and involves the identification of the user requirements that will drive the design of the SPIDER platform, and the specification of the technical requirements of its components. To ensure a user driven approach, SPIDER envisages a strong involvement of the end users in all three design and development cycles (1st, 2nd and final platform prototype).

Phase 2 (Implementation):

The implementation phase takes off from the user requirements specification, and comprises a range of integrated, multidisciplinary research and technology tasks

Phase 3 (Prototype & System Integration):

With the successful completion of all tasks in phase 2, the stand-alone SPIDER components will be integrated into an operational prototype platform that includes all the proposed SPIDER components. The prototype will be tested, integrated and demonstrated in real environments for each PUC separately. So there will be at least five Proof of Concepts (PoCs) to showcase the different features of the SPIDER Platform.

Phase 4 (Testing & User Validation):

In the final phase of the project, the SPIDER platform will be validated in five highly realistic pilot use cases covering different scenarios in cybersecurity testing, training and economics

RECENT NEWS

- SPIDER next plenary meeting planned in Heraklion
- NIS-2019
- SPIDER kick-off meeting held in Genova
- SPIDER acceptance from the EC.

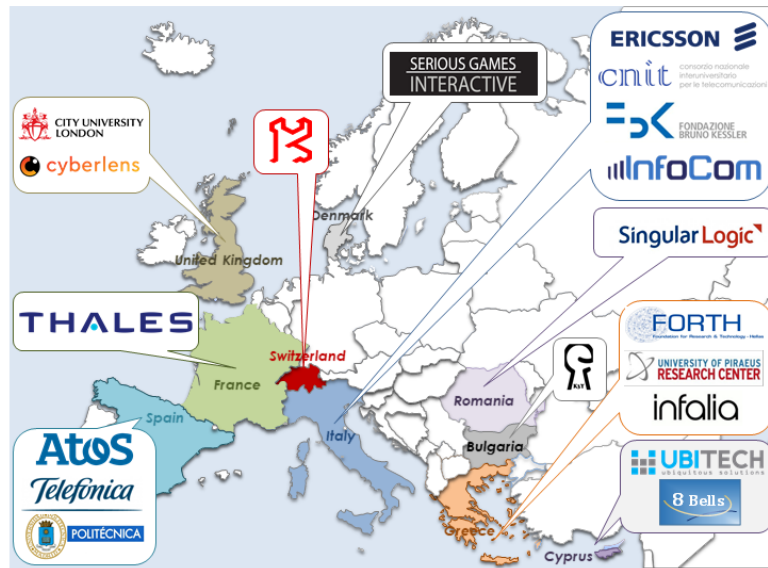
NEWSLETTER

Get all latest content delivered to your email a few times a month. Updates and news about all categories will send to you.

Your Email

Figure 5 - About-us page

Consortium



1	ERICSSON TELECOMUNICAZIONI	ERICSSON	ITALY
2	CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LE TELECOMUNICAZIONI	CNIT	ITALY
3	TELEFONICA I+D S.A.U.	TID	SPAIN
4	THALES SIX GTS FRANCE	THALES	FRANCE

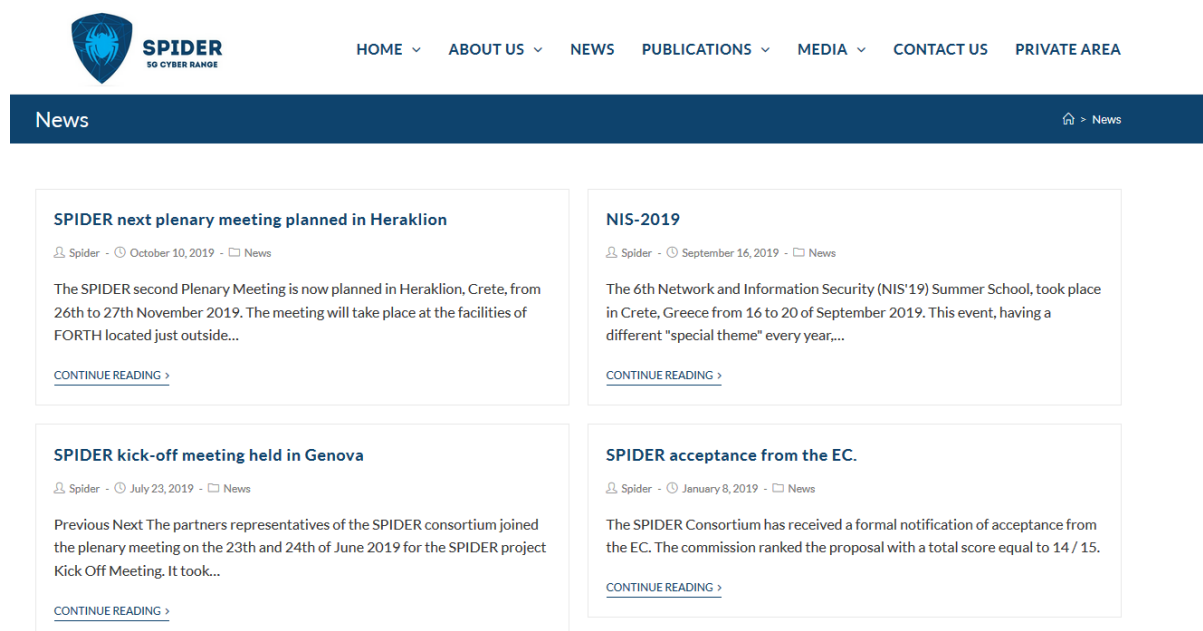
Figure 6 - About-us page (consortium details)

3.3 NEWS PAGE

This page name “News” is intended to present the latest updates related to the activity of the Project in order to get a quick refresh on what happened on the recent period. On the side panel, a search feature is available to look for news, articles, posts.

This page will be constantly updated with the latest material such as upcoming meetings, participations in events, dissemination actions, conferences, publications, whitepapers, newsletters, news, photos, etc.

Figure 7 gives a representation of the “News” page with the earliest events that start to populate the project news list and as a sample in Figure 8 it shows the second plenary meeting planned in Nov ’19 after the Kick Off Meeting held in Genova during July 2019.



The screenshot shows the SPIDER website's News page. At the top left is the SPIDER 5G CYBER RANGE logo. A navigation menu includes HOME, ABOUT US, NEWS, PUBLICATIONS, MEDIA, CONTACT US, and PRIVATE AREA. The page title is "News" with a breadcrumb "Home > News". The main content area displays four news items in a grid:

- SPIDER next plenary meeting planned in Heraklion** (October 10, 2019): The SPIDER second Plenary Meeting is now planned in Heraklion, Crete, from 26th to 27th November 2019. The meeting will take place at the facilities of FORTH located just outside...
- NIS-2019** (September 16, 2019): The 6th Network and Information Security (NIS'19) Summer School, took place in Crete, Greece from 16 to 20 of September 2019. This event, having a different "special theme" every year,...
- SPIDER kick-off meeting held in Genova** (July 23, 2019): Previous Next The partners representatives of the SPIDER consortium joined the plenary meeting on the 23th and 24th of June 2019 for the SPIDER project Kick Off Meeting. It took...
- SPIDER acceptance from the EC.** (January 8, 2019): The SPIDER Consortium has received a formal notification of acceptance from the EC. The commission ranked the proposal with a total score equal to 14 / 15.

Figure 7- News page

SPIDER next plenary meeting planned in Heraklion

Spider - October 10, 2019 - News

The SPIDER second Plenary Meeting is now planned in Heraklion, Crete, from 26th to 27th November 2019.

The meeting will take place at the facilities of FORTH located just outside the city.



Location: 100 Nikolaou Plastira str., Vassilika Vouton, Heraklion, Crete GR, 700 13, Greece

Search

RECENT NEWS

SPIDER next plenary meeting planned in Heraklion

NIS-2019

SPIDER kick-off meeting held in Genova

SPIDER acceptance from the EC.

NEWSLETTER

Get all latest content delivered to your email a few times a month. Updates and news about all categories will send to you.

Your Email

GO

Figure 8 - News details

3.4 PUBLICATIONS PAGE

The “Publications” page has the objective to provide the source of all the material as a result of the research activity of the project excluding confidential information.

This page will be constantly updated with the material as long as it is produced by the project, such as formal documentation, technical publications, whitepapers, etc.

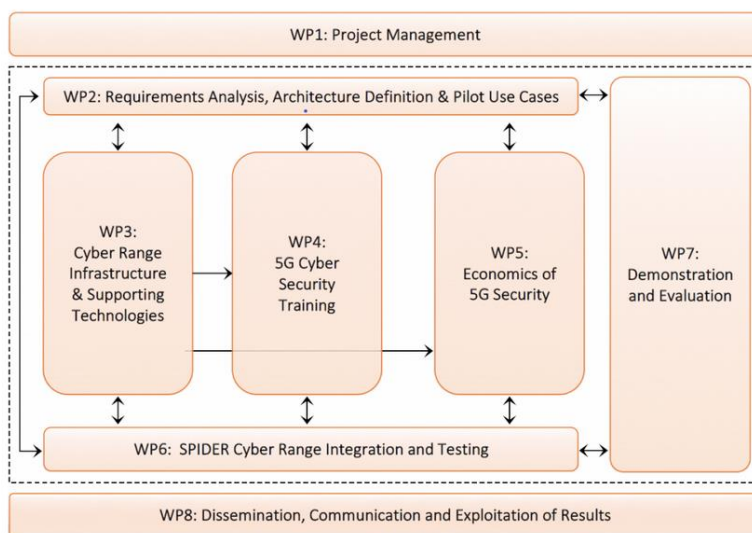
This page is split into the following sub-sections:

- Interdependence of project components and list of workpackages to give an overview of the project structure
- Deliverables, according to the definition of the work formally committed with the EC, limited to the documents where dissemination level is set to “public”
- Research papers
- Whitepapers
- Other

A drop-down menu points to the various sections of the page.

Figure 9 gives a representation of the “Publications” page where at the top it is presented the interaction between the work packages and the general information flow across them. Down into the page, the structure design is ready to collect the various documentation content like deliverables, research papers and white papers, that will be produced during the course of the project, see Figure 10.

Work Packages



RECENT NEWS

- SPIDER next plenary meeting planned in Heraklion
- NIS-2019
- SPIDER kick-off meeting held in Genova
- SPIDER acceptance from the EC.

NEWSLETTER

Get all latest content delivered to your email a few times a month. Updates and news about all categories will send to you.

Figure 9 - Publications page

WP8 - Dissemination, Communication and Exploitation of Results

WP8 will focus on the development and execution of viable plans (that will be reviewed and updated regularly) for the SPIDER communication, dissemination and exploitation activities. WP8 envisages achieving high measurable impact of the project results and to ultimately lead to a successful adoption of the SPIDER disruptive cyber range capabilities and innovative features into the 5G evolution ecosystem. Towards this direction, the business perspectives of the proposed solution will also be investigated.

Deliverables

Coming Soon...

Research Papers

Coming Soon...

White Papers

Coming Soon...

Figure 10 - Publication page with the documentation sub-entries

3.5 MEDIA PAGE

The “Media” page provides access to all the material produced on the purpose for the dissemination objectives set by the project.

This page will be constantly updated with the material as long as it is produced by the project, such as multi-media publications, newsletters, videos, etc.

This is split in the following sub-sections:

- Flyers
- Newsletters
- Presentations
- Videos

A drop-down menu points to the various sections of the page.

Figure 11 gives a representation of the “Media” page with the structure design ready to collect the various multi-media contents that will be produced during the course of the project.

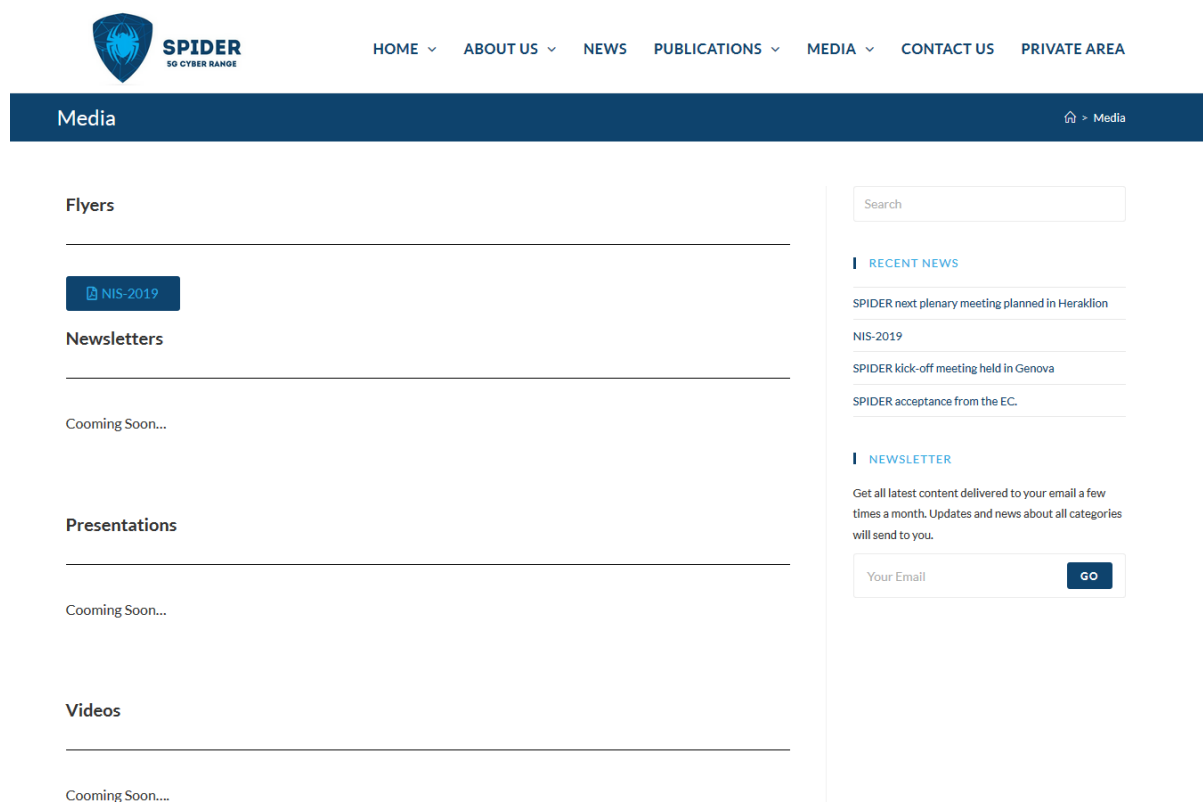


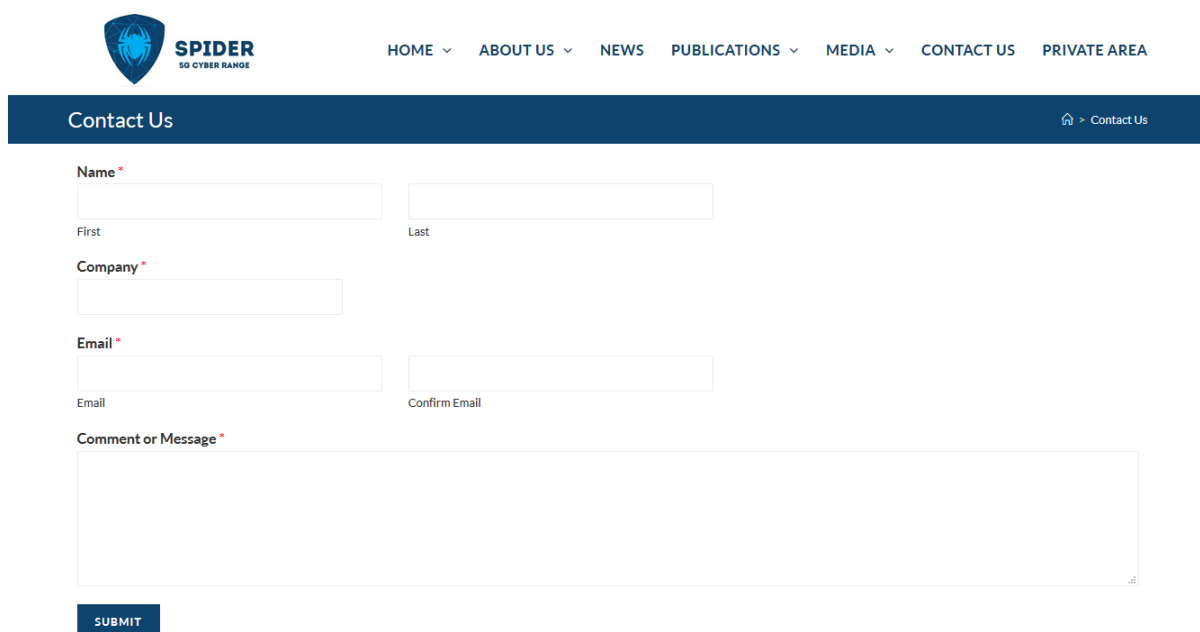
Figure 11 - Media page

3.6 CONTACT US PAGE

A contact form is offered on the “Contact Us” page to the user connected to the WEB portal. It requires to enter personal data in order to submit a message to the SPIDER project.

- Personal data are: 1) Name in the form of first name and second name, 2) e-mail address
- Message is composed of: 1) a subject in free text, 2) a body in free text

Figure 12 gives a representation of the contact form



The screenshot shows the 'Contact Us' page of the SPIDER 5G CYBER RANGE website. The page features a dark blue header with the SPIDER logo and navigation links: HOME, ABOUT US, NEWS, PUBLICATIONS, MEDIA, CONTACT US, and PRIVATE AREA. Below the header, the 'Contact Us' title is displayed on a dark blue bar. The main content area contains a contact form with the following fields:

- Name ***: Two input fields for 'First' and 'Last' names.
- Company ***: One input field for the company name.
- Email ***: Two input fields for 'Email' and 'Confirm Email'.
- Comment or Message ***: A large text area for the message body.

A blue 'SUBMIT' button is located at the bottom of the form.

Figure 12 - Contact Us page

3.7 PRIVATE AREA LOGIN

This is the link to the project internal workspace and collaboration area. The access is reserved to pre-registered users that are authorized persons working in the project and are designated by the partner that owns their identity. Access to the reserved area is controlled through the login procedure. User accounts and privileges are managed internally into the SPIDER consortium and there is no register procedure offered in the login form.

User account and privileges management are managed by ERICSSON partner.

Figure 13 gives a representation of the access page to the private area

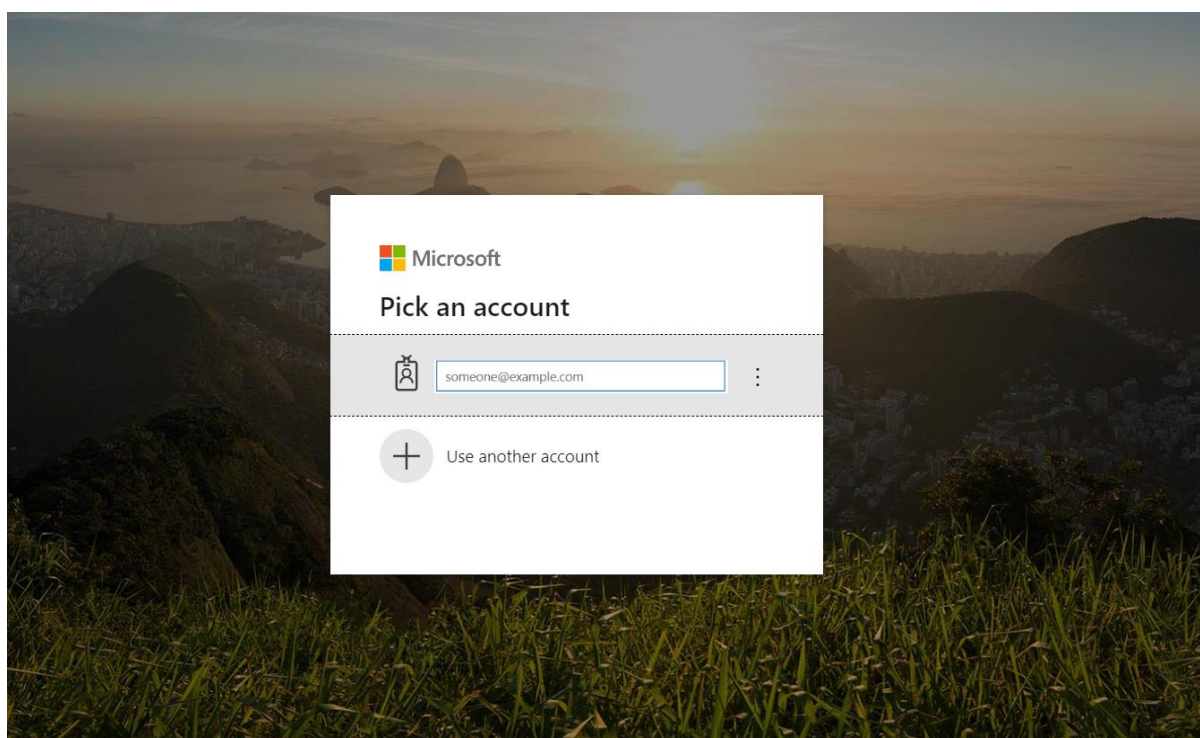


Figure 13 - Login access page to the private area

3.8 SEARCH TOOL

A search tool is available from the website pages. Here below in Figure 14 a representation of how it can be used.

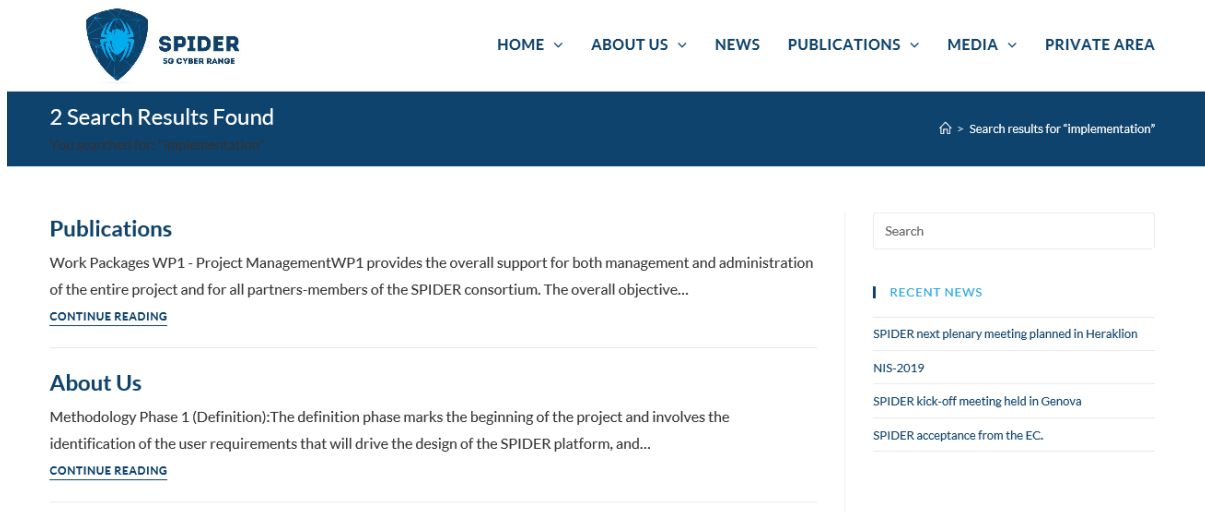


Figure 14 - Search tool

4 REFERENCES

- [1] Grant Agreement NUMBER 833685 — SPIDER
- [2] WordPress content management system (CMS). Website: <https://wordpress.com>
- [3] SiteGround web hosting service. Website: <https://siteground.com>
- [4] MS SharePoint Online Extranet Website: <https://docs.microsoft.com/en-us/sharepoint/create-b2b-extranet>
- [5] SPIDER deliverable D1.1 Project Management Handbook