

# 5G ExPerimentation Infrastructure hosting Cloud-nativE Netapps for public proTection and disaster RElief

Innovation Action – ICT-41-2020 - 5G PPP – 5G Innovations for verticals with third party services

# D6.5: Project Website and Social Networks

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**Dissemination level: Public** 

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www.5gepicentre.eu



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V2.0	03/12/2021	Revisions after quality review and final version for submission	Kostas Apostolakis (FORTH)



# **Project Partners**

Logo	Partner	Country	Short name
AIRBUS	AIRBUS DS SLC	France	ADS
NOVA	NOVA TELECOMMUNICATIONS SINGLE MEMBER S.A.*	Greece	NOVA
Caltice	Altice Labs SA	Portugal	ALB
Fraunhofer	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	Germany	ННІ
<b>FORTH</b>	Foundation for Research and Technology Hellas	Greece	FORTH
۲	Universidad de Malaga	Spain	UMA
CTTC"	Centre Tecnològic de Telecomunicacions de Catalunya	Spain	сттс
istella <sup>*</sup>	Istella SpA	Italy	IST
ONESOURCE	One Source Consultoria Informatica LDA	Portugal	ONE
i q	Iquadrat Informatica SL	Spain	IQU
	Nemergent Solutions S.L.	Spain	NEM
	EBOS Technologies Limited	Cyprus	EBOS
MATHONET	Athonet SRL	Italy	АТН
RedZinc	RedZinc Services Limited	Ireland	RZ
Opto Precision	OptoPrecision GmbH	Germany	ΟΡΤΟ
(YOU81000)	Youbiquo SRL	Italy	YBQ
ORama	ORamaVR SA	Switzerland	ORAMA

\* Please note that ELLINIKI ETAIRIA TILEPIKOINONION KAI TILEMATIKON EFARMOGON AE (FNET) has changed its legal name to NOVA TELECOMMUNICATIONS SINGLE MEMBER S.A. (NOVA)



# List of abbreviations

Abbreviation	Definition
EU	European Union
GA	Grant Agreement
GDPR	General Data Protection Regulation
GUI	Graphical User Interface
КОМ	Kick-Off Meeting
КРІ	Key Performance Indicator
UC	Use Case
WP	Work Package



### **Executive summary**

The current document provides a detailed description and analysis of the project's website and social media accounts which can be considered as the project's online presence. The description and analysis include the methodology behind the design and implementation of a dynamic, modern and user-friendly website with multi-browser and multi-device compatibility. The first version of the website is ready and publicly available, already at M01, at <a href="https://www.5gepicentre.eu/">https://www.5gepicentre.eu/</a>. Moreover, the website's administration is also described in this document along with Google Analytics presenting the website's traffic.

Access to the social media accounts is also provided through this document. LinkedIn, Twitter and YouTube accounts have already been set up and are accessible via the project website and the links presented below:

- <u>https://www.linkedin.com/company/5g-epicentre-project/</u>
- <u>https://twitter.com/5Epicentre</u>
- https://www.youtube.com/channel/UCr9IQ5VhhM\_daVh-QNG2H8g

The website's content, as well as that for the social media accounts, will be continuously updated with dissemination material (*i.e.*, meetings, publications, results, *etc.*) until the completion of the project.

All the above-mentioned links to access the project's social media accounts were provided to the Consortium during the Kick-Off Meeting (KOM), which took place via teleconference on the 2nd and 5th February 2021.



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# **1** Introduction

The deliverable D6.5 "Project website and social networks" is part of Work Package (WP) 6 "Impact-driven dissemination and exploitation activities". D6.5 specifically reports on the construction and publishing of the project's official website and the setup of the accounts on LinkedIn, Twitter and YouTube.

The deliverable is of significant importance, since it marks from an early stage the "online" dissemination activity and the initial web presence and visibility of 5G-EPICENTRE. The first website version was set up prior to the start of the project, finalised in M1 (January 2021) and is continuously updated; this is an action that will continue until the end of the project.

### **1.1** Mapping of project's outputs

The purpose of this section is to map 5G-EPICENTRE Grant Agreement (GA) commitments, both within the formal Deliverable and Task description, against the project's respective outputs and work performed.

5G-EPICENTRE Task	Respective Document Chapters Justification	
T6.3: Impact-driven dissemination and communication activities "It will further develop the 5G- EPICENTRE visual identity, comprising of a revised logo and style guidelines for on-line and offline publications, such as the project website []"	2 – Project website	Description of the project's website. In addition, the methodology followed during the website design and implementation is presented. The administration of the website and the use of Google Analytics showing the website traffic are also mentioned.
	3 – Social media accounts	This section presents the project's social media accounts.

Table 1: Adherence to 5G-EPICENTRE's GA Deliverable & Tasks Descriptions

### **1.2** Deliverable overview and report structure

Based on the objectives and work carried out under Task 6.3, the document starts with the Executive Summary followed by the introduction of the document in Section 1. Section 2 provides an extensive description of the project's website, including the development methodology used along with content and screenshots for each page. Section 2 also provides a variety of Google Analytics results for the website along with a description on how the administration of the website can be performed (*i.e.*, update content, add-remove pages, *etc.*). Section 3, includes relevant information about social media accounts of the project (LinkedIn, Twitter and YouTube). Finally, Section 4 presents the conclusions.

### **1.3** Adherence to 1<sup>st</sup> EC review comments and recommendations

This section summarises 5G-EPICENTRE responses and document updates following the EC review that took place on 7 July 2021. All reviewers' comments were effectively taken under consideration and details for each (and the related document updates) have been included in Table 2.



### Table 2: Adherence to 1st EC review comments and recommendations

Review comment(s) (as provided by the reviewers)	<b>5G-EPICENTRE Adherence and Document Update</b> (short reply and reference to the chapter that details the reply)
"The deliverable is just a letter indicating that the website and social networks are active. This is not considered adequate even though the main deliverable should be the site and social media networks themselves".	As per reviewer's request, a report on the website and social media accounts has been created (present document).
"There is no boilerplate identifying this document, and no description about their content, how it is structured and how it will be used to increase dissemination and engagement of external stakeholders. This is important considering the current limitations established by Covid. There should be a formal document with the same structure as a regular deliverable document".	As per reviewer's request, a report on the website and social media accounts has been created. The content of the deliverable focuses on the implementation of the website, what information exists there, along with the social media channels.
"The project has an adequate website and is active on social media (LinkedIn and Twitter). However, at the time of writing this review, important information is missing like the project's brochure or leaflet. A first newsletter has been produced with limited content".	The project website content has been updated, currently including the rollup banner and factsheet, which can be accessed through the following link: <u>https://www.5gepicentre.eu/brochures-flyers/</u>
"The design of the news section could be improved as well as header for the news since they are reduced and it is not possible to know the content of some news unless clicking on the corresponding link".	On the homepage, a section has been added with the newsfeed from project's Twitter account. All news and events are on a separate page under the dissemination option in the site's main menu.
"No videos have been produced yet. Although it is early in project execution, an introductory video to present the project, activities and expected outcomes should be produced asap for multimedia and online dissemination".	Two videos have been created; one introducing the project <sup>1</sup> and one presenting Use Case 4 <sup>2</sup> . Those videos are available on both the project's YouTube channel and the project website.

<sup>&</sup>lt;sup>1</sup> <u>https://www.youtube.com/watch?v=OFg\_x3vLax0&t=18s</u> <sup>2</sup> <u>https://www.youtube.com/watch?v=8-aqK0eJHQo&t=15s</u>



# 2 Project website

This section provides a detailed description of the 5G-EPICENTRE website that has been developed to serve as the public presence of the project. It is a website that utilises state of the art web development technology and design, in order to deliver content-rich information to the site visitors. The 5G-EPICENTRE website is part of the dissemination activities undertaken for this project and can be accessed using the following the link <u>http://www.5gepicentre.eu/.</u>

Content addition/modification to the website is handled by project partner EBOS. Specifically, any contentrelated process is submitted to the Dissemination and Communication manager of 5G-EPICENTRE (Ioannis Markopoulos, NOVA), who then provides all the relevant information to EBOS. The website update procedures, including editing, validating and publishing of the content, are handled by EBOS project manager, Yerasimos Yerasimou.

### 2.1 Methodology for website construction and development

For the design and implementation of the 5G-EPICENTRE official website, user interface design principles and user experience have been considered. 5G-EPICENTRE's modern interface uses the latest web technologis to achieve multi-browser and multi-device compatibility. In addition to that, the 5G-EPICENTRE web interface is fully responsive, user friendly, offers quality user experience and delivers content-rich information to the visitor. That means that the user is able to access the 5G-EPICENTRE website using a smartphone, a tablet, a desktop PC or laptop and have easy access to the content. Both the design and implementation process follow a user-centred process, to build an interface that is efficient and easy to use.

Furthermore, the following Graphical User Interface (GUI) Design Principles<sup>3</sup> were adopted in the 5G-EPICENTRE website interface design and implementation:

- **Clarity:** The interface is visually, conceptually and linguistically clear;
- **Comprehensibility:** The interface is easily understood and it is easy for users to navigate through the website;
- **Consistency:** The interface looks, acts, and operates consistently throughout;
- **Control:** The user controls the interaction:
  - o Actions result from explicit user requests.
  - Actions are performed quickly.
  - Actions are capable of interruption or termination.
  - The user is never interrupted for errors.
- Efficiency:
  - Minimises the user's eye and hand movements;
  - o Transitions between various system controls flow easily and freely;
  - Navigation paths are as short as possible ensuring that users never lose their work as a result of an error on their part.
- Simplicity:
  - Provides an interface that is as simple as possible;
  - Makes common actions simple at the expense of uncommon actions being made harder;
  - Provides uniformity and consistency.

<sup>&</sup>lt;sup>3</sup> <u>https://en.wikibooks.org/wiki/GUI Design Principles</u>



Technologies of HTML5, CSS3 and JavaScript were adopted during the implementation of the interface to archive the responsive result, cross browser and multi-device compatibility.

### 2.2 Website structure

The structure shown in Figure 1 was followed for the 5G-EPICENTRE website. It was designed in such way to portray all of the project's vital information, as well as future news and developments. For producing the website structure, the mapping tool SlickPlan<sup>4</sup> was used.





### 2.3 Website content and screenshots

The homepage of 5G-EPICENTRE website is the one appearing first once the user enters it. A screenshot from the website's homepage is shown in Figure 2. As observed, the homepage includes a header that hosts links to all social media accounts of the 5G-EPICENTRE project on LinkedIn, Twitter and YouTube. The header is accessible from all website's pages, as it has been designed in order to simplify the navigation process within it. Moreover, the project logo is part of the header section, and can be used as a shortcut, by redirecting the user to the homepage when pressed.

<sup>&</sup>lt;sup>4</sup> <u>https://slickplan.com/</u>





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### 5G ExPerimentation Infrastructure hosting Cloud-nativE Netapps for public proTection and disaster RElief







### About 5G-EPICENTRE Project

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Figure 2: Website homepage





Figure 3: 5G-EPICENTRE website list of objectives

Furthermore, the homepage includes visual illustrations relevant to the project, key project information and facts, along with a "Read more" button that redirects the visitor to a more comprehensive page, which includes details of 5G-EPICENTRE. Scrolling down the homepage, users can view the project's objectives, as shown in Figure 3, news and events, consortium partners and a section for subscription to the project newsletter.



The "Read more" button leads to the "About Us" page, which can also be accessed via the header (Figure 4). This page also acts as a hub for the "Concept and Methodology", "Objectives", "Consortium" and "Pilot Experiments" pages.

# About Us

# 5G ExPerimentation Infrastructure hosting Cloud-nativE Netapps for public proTection and disaster RElief

5G is considered to be the next decade mainstream broadband wireless technology and can leverage the efficiency and effectiveness of everyday high demanding operations such as Public Protection and Disaster Relief (PPDR).

International Telecommunication Union (TV) considera LTC. Advanced systems and 50 as a mission orbital PPOR termology able to address the needs of mission orbital intelligence by supporting mission orbital voice, data and voice services as an INT radio interface. SC-EPICENTRE will derive an open and to rend experimentation 50 pietform focusing on software solutions that serve the needs of PPDR. The envisioned pietform will enable SMDs and developers to acquire knowledge with regard to the least 50 applications and approaches for first responders and once management, as well as to build up and experiment with their solutions.

The 50-EDICENTRE pletform will be lased on an open Service oriented Architecture, following the current best DevOpis practices (contained as of an incoservices) and will be able to accommodate and provide open access to 55 hetworks' reportant, acting this way as a 55 open source reportant to PDB NetApps For the assessment of the above mentioned pletform, the replaction of several use cases is being foreseent which will be realized os a PDDD vertical. The purpose of the use cases to to expand along the entire range of the 3 /TU ide/ined service types like ENISD, mVRC and URLLC) so well as to provide the four for overseeing the platform's secure intercoverability expetitives beyond verdor specific inclementation. The engaged GMEs and organizations that will part coase into the realization of the use cases constitute active players in the outris security and dispter management, thus acting as key enviore for the assessment of SG-EPICENTRE with regard to the real meds that should be addressed. Finally, through the Lee cases realization, RPb reasont to 50 will be measured, especially those that are pertain to service' pression time.



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E Objectives
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ceso more

Figure 4: 5G-EPICENTRE "About" page

Information regarding the concept on which 5G-EPICENTRE is based, as well as the methodology that will be followed throughout the project are available on the "Concept and Methodology" page (Figure 5).

The "Objectives" page, presented in Figure 6, lists the six objectives of the 5G-EPICENTRE project.

In Figure 7, the "Consortium" page, where all the participating partners are presented, is shown. By clicking on the logo of the partners, the user is transferred to the partners' websites.

The "Pilot Experiments" page has information related to the experimentation that will be conducted throughout the project, as well as a list of the eight Use Cases (UCs) that will be examined. In Figure 8, all 5G-EPICENTRE UCs are shown, as illustrated on the "Pilot Experiments" page.

In Figure 9 the "Dissemination & Communication" page is presented. In a similar fashion to the "About Us" page, shown in Figure 4, this page is utilised as a hub for the "Public Deliverables", "Workshops & Demo", "Publications", "Brochures & Flyers", and "Newsletters" pages.

The "News & Events" page, shown in Figure 10, is constantly updated with related news and project developments throughout the project's lifespan, as well as after its end.



#### Concept and Methodology

#### The Concept

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#### Methodology

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Figure 5: 5G-EPICENTRE "Concept and Methodology" page



# Objectives

### The SG-EPICENTER objectives are:

#### OI.

Build an end-to-end 90 experimentation platform specifically tailored to the needs of the public safety and emergency response market payers

#### 02

Print 5G systems in PPDG-based triels, successfully demonstrating SC-EPICENTRE onboarded sops as a crucial communications accompaniment to buoks safetymission pritical communications technologies.

### 03,

Cutivets a SC Experiments as a Service' model, which will enable developers and SHBs to experiment with PPDR applications in parameterized, easily repeatable, and shareable environments

#### 134.

Patilitate automation, continuous deployment and multiaccess edge computing supported by containented network functions, so as to reduce sentce creation time and time-to-market for 50 solutions.

#### 05.

Lavarage Artificial intelligence for achieving cognitive experiment coordination and illecycle management, including dynamic SC strong, application avarances and insightful ML driven analytics.

#### OE,

implement impact-driven dissemination, standardisation and exploitation.

Figure 6: 5G-EPICENTRE "Objectives" page





### Consortium Project Coordinator AIRBUS Mr. Sean-Michel Duquerroa AIRBUS DEFENCE SPACE SLC Project Department Consortium eBOS Forthnet FORTH ELLINIKI ETAIRIA TILEPIKDINONIKAI TILEMATIKON EFARMOODN AE FOUNDATION FOR RESEARCH AND TECHNOLOGY - HELLAS (FORTH) EBOS TECHNOLOGIES LTD altice ATHONET q Indus. QUADRAT INFORMATICA SL ATHONET SRL ALTICE LABS SA .... 0 Fraunhofer RedZing 14648 FRAUNHOFER GESELLSCHAFT ZUR FOERDERLING DER ANGEWANDTEN FORSCHUNG UNIVERSIDAD DE MALACA REDZING SERVICES DMITED EV 1 v nemergent ORama VB CTTC CENTRE TECNOLOGIC DE TELECOMUNICACIONS DE CATALUNYA NEMERCENT SOLUTIONS S.L. CREMEVRISA SERVICES ONESOURCE Opto POUBIQUO WEIN CT ONE SOURCE CONSULTORIA INFORMATICA LOA OPTOPRECISION CMBH VOUBIQUO SRListella ISTELL A SPA

Figure 7: 5G-EPICENTRE "Consortium" page





Figure 8: UCs as shown in 5G-EPICENTRE "Pilot Experiments" page

# Dissemination & Communication



Figure 9: 5G-EPICENTRE "Dissemination & Communication" page



# **News & Events**



Figure 10: 5G-EPICENTRE "News & Events" page



Finally, the "Contact Us" page, shown in Figure 11, provides users with the ability to get in touch with the Project Coordinator, ADS, who is responsible for any type of formal communication on behalf of the project. By using the contact form, any requests are sent directly to the Project Coordinator.

The personal data collected through this contact form is processed lawfully, fairly and in a transparent manner in relation to the data subject, and in full compliance with the European Union (EU) General Data Protection Regulation (GDPR).



Figure 11: 5G-EPICENTRE "Contact Us" page

### 2.4 Personal data management

When visiting the website for the first time, a prompt to accept the website cookies via an "accept cookies" button is available (Figure 12). The Terms of Service and the Privacy Policy used on the website are aligned with the GDPR. Both the Terms of Service and the Privacy Policy are publicly available and are accessible from the homepage.

Figure 13 shows a screenshot from the Privacy Policy on the 5G-EPICENTRE website. The links to the Terms of Service, Privacy Policy and Cookies Policy are the following:

- Privacy Policy: <u>https://www.5gepicentre.eu/privacy-policy/</u>
- Terms of Service: <u>https://www.5gepicentre.eu/terms-of-service/</u>
- Cookies Policy: <u>https://www.5gepicentre.eu/cookies-policy/</u>





#### Figure 12: Prompt to accept cookies



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# **Privacy Policy**

#### Introduction

This Production in the Physical Biologics and Security Control with the Control International Security Control and Control Control and Con

The processing of persons data, such as non-e, address of a new electron of a data subject and persons be in the winthle Central Data Protocoler Republicks processing of persons with the sectory agents are presented as applicable to applicable to the CC. PERSONNEED Considers Through the relate presented decadation, we would like to inform anyone concerned and the general audit of the Address tope, and purposed the persons data would be to the concerned and the general audit of the Address tope, and purposed the persons data would be to the concerned and the general audit of the Address tope, and purposed the persons data would be to the concerned and the general audit of the Address tope, and program to which they are writted process. Exchange, data subjects we informed, by means of the data protocol decimented, while lights to which they are writted all the data controls of the subjects are informed top means of the data protocol and an applicable to an organization or measure tope non-topic and and the data and a control of the organization and the protocol content and regardation or measure tope non-topic and and the difference of the person tope means the topic tope of the person and the protocol and the protocol and the protocol of the person of the person tope means that the protocol content and the protocol person of the person of

#### **Usetul Definitions**

- v. Herberteil Better
- Personal Data is any information reliating to an interview of a lot of and according to an interview because in any information of the second second
- · Derertal data treach

Descent intervention a network of except evelop to the employee to a strack indechantum percentation, presentation descence of an exercise percent percent percent percent of the exercise the exercise

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Controller bit the rational or legal person within the agency or other oddy which, a one or jointly with others determines the purposes and means of the processing of sename data.

a Provisient

Processes as retrieve at legel service, public extremity agency or other barry which proceeds used of able or levels of the constraints

#### Figure 13: Screenshot of Privacy Policy on 5G-EPICENTRE website



### 2.5 Google Analytics website traffic

Google Analytics is a free web analytics service offered by Google that tracks the website traffic and reports the results through Key Performance Indicators (KPIs). The 5G-EPICENTRE website is registered in Google Analytics, which offers a vast number of reports. In Figure 14 and Figure 15, the Google Analytics dashboard and demographic details are shown, respectively. Through Google Analytics, data with regard to the project website traffic can be obtained.

The social media accounts traffic is monitored by their respective analytics engine, *i.e.*, LinkedIn analytics for LinkedIn, Twitter analytics for Twitter and Google Analytics for YouTube.



#### Figure 14: Google Analytics dashboard

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3	tanee		178	78	121	18395	5.93	in USA	1388	8.00	41.02
к.	Ceprus			78	222	68.87%	5.08	44 (34	8341	8.00	#100
5	Lot of Lo		72	11		14.855	218	8106	185	8.95	41.02
٩.	twis:		.84	14		42.23%	04	14 2%	THO	10	41.00
ŧ.	China					12.3%	8.18	81.020	196	846	-
8	Germany			31	20	10.0%	2.41	wears.	190	2.00	41.00
÷.,	Detate			28	<u></u>	3.0%	2.08	acos.	181	8.01	4110
ie.	Fieron				14	12.149	1008	01.101	- 1994	0.00	40.00

Figure 15: Site demographics details



### 2.6 Website administration

This section describes the administration site of the project website. The website has been built using WordPress (version 5.4.2). WordPress is a web-based software widely used for website designs with an emphasis on accessibility, performance, security, and ease of use. WordPress is GDPR compliant and offers a large database of plugins to be used which are always updated with new trends and they are user-friendly. The WordPress platform is hosted by Bluehost, a web hosting solutions provider. Bluehost always installs the latest version of WordPress so that all the recent features are available on the 5G-EPICENTRE website.

By using the WordPress, the administrator can create a new page, rename or delete an existing page, along with the option to change the content of an existing page. The administrator may also see and edit the "Menu items" and "Menu Structure". A screenshot of the "Publications" page, where the content of the page can be edited by using the WordPress Elementor, is shown in Figure 15.



Figure 16: Editing of "Publications" page in WordPress Elementor



# **3** Social media accounts

In this section, the social media platforms utilised as dissemination tools for reaching out to the audience regarding developments and activities of 5G-EPICENTRE are discussed. The project is based on three social media platforms, which are Twitter, LinkedIn and YouTube. Through the aforementioned social media platforms engagement with stakeholders and wider audience interested in the field where 5G-EPICENTRE is active can be achieved. Especially considering Covid-19 restrictions regarding physical presence, online platforms remain the only tool for engaging with audience and disseminating the project's developments.

All three social media accounts have been created during the first month of the project. Each platform has a different scope; however, by utilising all of them different audiences can be targeted, thus maximising the social media impact and online presence of the project. In particular, Twitter has been created to reach a wider audience which initially may not have an interest in the specific activities of the project. However, with the use of hashtags, a wide range of topics in which the project is involved can be addressed, which may in turn create interest in the project. On the other hand, LinkedIn targets individuals who can potentially have an interest/background with respect to the project activities, as it is an established platform for companies, industry experts and researchers. Finally, YouTube is used to publish videos related to the project's activities. In Figure 17- screenshots from 5G-EPICENTRE Twitter and LinkedIn accounts are presented.



Figure 17: 5G-EPICENTRE Twitter page





Figure 18: 5G-EPICENTRE LinkedIn page



Figure 19: 5G-EPICENTRE YouTube channel



# 4 Evaluation

The KPIs of the aforementioned dissemination tools, *i.e.* the website and social media, are presented in Table 3. As observed, the target for the number of unique visitors has been surpassed. On the other hand, for the social media the 83% of the original goal has been achieved in 11 months. Nevertheless, the project is in its early development stages with limited content, which is a crucial factor for gaining new audience on the social media.

Table 3: Website and social media KPIs

Medium	Success Indicators	Target Values	Achieved Value (M11)
Project website	Number of visitors	>400/year	738
Social Media	Number of followers	>200/year	165



# **5** Conclusions

This deliverable includes information on how the website and social media accounts for 5G-EPICENTRE were set.

In meeting the project's relevant KPIs, the analytical tools will be utilised to monitor the progress and impact, as well as tables for tracking several dissemination activities via the website and social media accounts. In order to achieve those KPIs, the website and the social media accounts of the project will be continuously updated with the latest news, planned events and their outcomes, and public deliverables throughout 5G-EPICENTRE lifespan.