



Fifth Generation Communication Automotive Research and innovation

# Deliverable D1.1

## Project Website

Version: v2.0

2019-01-31

*This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 761510. Any 5GCAR results reflects only the authors' view and the Commission is thereby not responsible for any use that may be made of the information it contains.*



<http://www.5g-ppp.eu>

# Deliverable D1.1

## Project Website

<b>Grant Agreement Number:</b>	761510
<b>Project Name:</b>	Fifth Generation Communication Automotive Research and innovation
<b>Project Acronym:</b>	5GCAR
<b>Project Website:</b>	<a href="https://5gcar.eu/">https://5gcar.eu/</a>
<b>Document Number:</b>	D1.1
<b>Document Title:</b>	Project Website
<b>Version:</b>	v2.0
<b>Delivery Date:</b>	2019-01-31
<b>Editor:</b>	Mikael Fallgren (Ericsson)
<b>Authors:</b>	Mikael Fallgren (Ericsson), Konstantinos Antonakoglou (KCL)
<b>Keywords:</b>	5GCAR, Website
<b>Status:</b>	Final
<b>Dissemination level:</b>	Public

**Disclaimer:** This 5GCAR D1.1 deliverable is not yet approved nor rejected, neither financially nor content-wise by the European Commission. The approval/rejection decision of work and resources will take place at the next Review Meeting, after the monitoring process involving experts has come to an end.

# Abstract

This deliverable gives an introduction and overview to the 5GCAR project website and its content.



# Contents

1	Introduction .....	5
1.1	Objective of the document .....	5
1.2	Structure of the document.....	5
2	Project website .....	6
2.1	Main part.....	7
2.2	Sidebar .....	10
3	Technical information .....	11



# 1 Introduction

The 5GCAR project website is located at: <https://5gcar.eu/>

## 1.1 Objective of the document

This document gives an overview of the 5GCAR project website at the time of the deliverable submission (2019-01-31). The project website will be continuously updated with information as it become available during the lifetime of 5GCAR.

## 1.2 Structure of the document

Section 1 gives a general introduction to the document and its structure. Section 2 describes the project website with its main part and sidebar structure. Section 3 contains technical information.



## 2 Project website

The main page (Home) is the starting point for visitors to the 5GCAR website which provides a high-level overview of the project and the upcoming activities. The official 5GCAR logo is in the center, followed by the 5GCAR video is highlighted, see Figure 2.1. Thereafter, a short description of project and members of the project consortium follows, see Figure 2.2. From the top menu one can select About 5GCAR, Activities, and Documents where more detailed information can be attained. This main part of the website is outlined in Section 2.1. In addition, some information sections are provided to the right of the page in a sidebar where for instance Upcoming activities are highlighted. The sidebar is visible in all pages and are described more in detail in Section 2.2. In the bottom of the page, there is an email ([5GCAR-Contact@5g-ppp.eu](mailto:5GCAR-Contact@5g-ppp.eu)) provided for the ones who want to get in contact with the 5GCAR project.

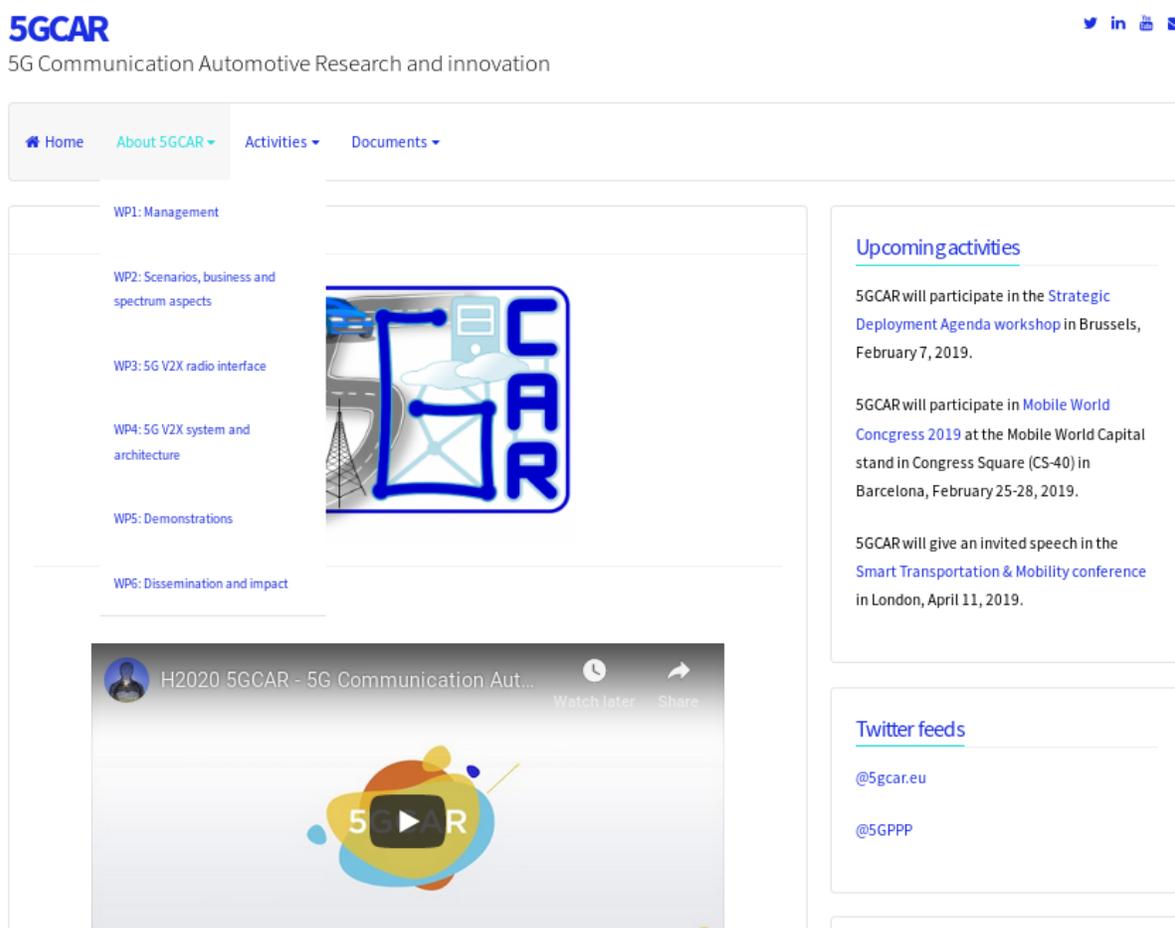


Figure 2.1: 5GCAR website – upper part of main page.

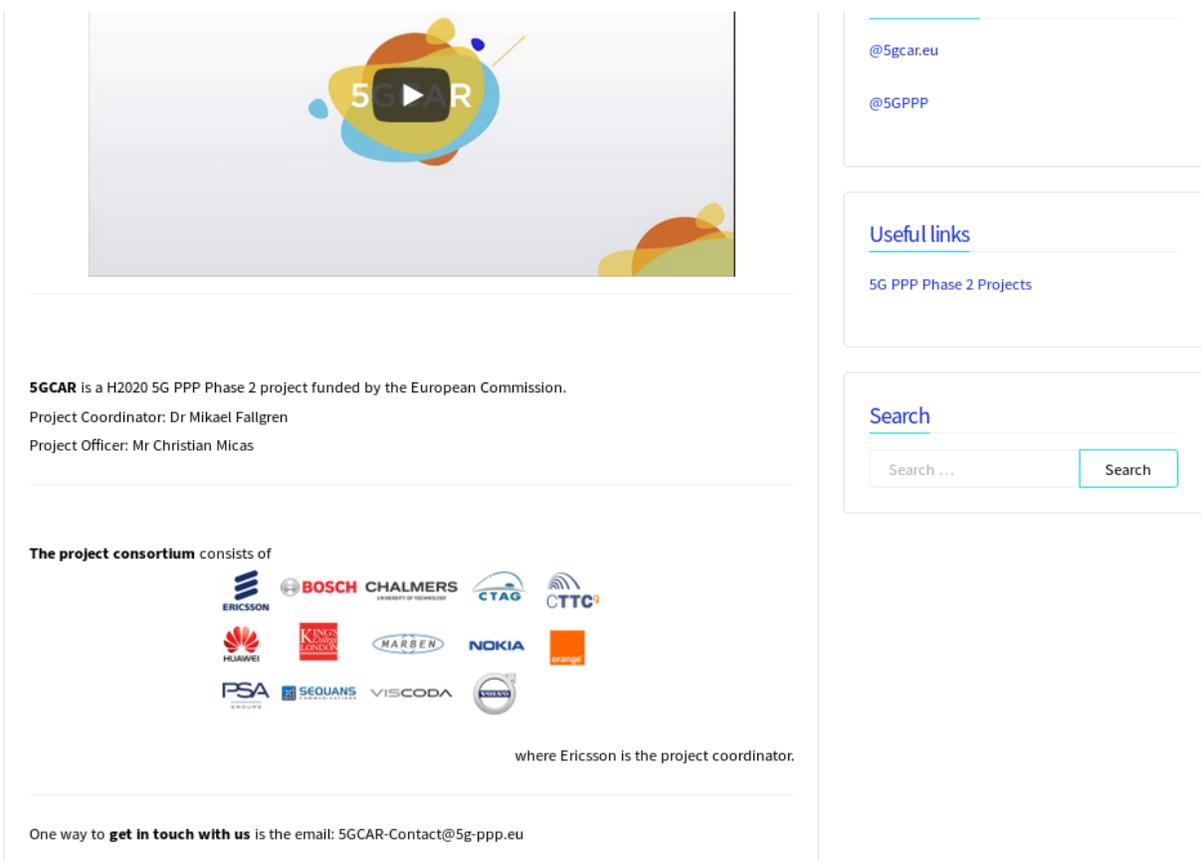


Figure 2.2: 5GCAR website – lower part of main page.

## 2.1 Main part

Part from the main page (Home) that has already been described above, the main part of the website consists of the following pages: About 5GCAR, Activities, and Documents.

**About 5GCAR:** here some general project information is presented, e.g. the consortium partners and a project overview. On subpages to this About 5GCAR the interested reader can find additional information about the work packages (from WP1 to WP6). In Figure 2.1 the six subpage options (ranging from WP1 to WP6) are visible when the mouse pointer hovers over the top menu About page option. As an example, Figure 2.3 illustrates the upper part of the WP2 website material that becomes visible when selecting the WP2: Scenarios, business and spectrum aspects option.

## WP2: Scenarios, business and spectrum aspects

### WP2 Objectives

The Objective of WP2 is to provide a common starting point for other work packages in the project. This WP details the potential use cases, thoroughly analyze their requirements and define relevant Key Performance Indicators (KPIs) requirements of the future 5G ecosystem in the context of the automotive sector. These results are available in D2.1. The current underlying business models were studied and emerging new businesses and players were investigated. Also, certain spectrum issues from the perspective of requirements and limitations were considered. These two items belongs to D2.2 deliverable.

### Results achieved in WP2

To achieve the WP2 objectives, the work has been divided in three tasks:

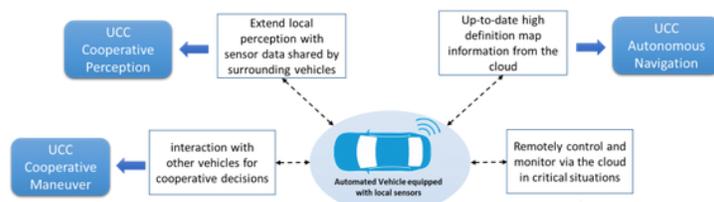


Figure 2.3: 5GCAR website – About 5GCAR page, WP2 subpage.

### Upcoming activities

5GCAR will participate in the [Strategic Deployment Agenda workshop](#) in Brussels, February 7, 2019.

5GCAR will participate in [Mobile World Congress 2019](#) at the Mobile World Capital stand in Congress Square (CS-40) in Barcelona, February 25-28, 2019.

5GCAR will give an invited speech in the [Smart Transportation & Mobility conference](#) in London, April 11, 2019.

### Twitter feeds

@5gcar.eu

@5GCPPP

**Activities:** here relevant Events to 5GCAR are highlighted in one subpage while Press related material such as the 5GCAR press release and the 5GCAR video from MWC 2018 are presented on another subpage. As an example, Figure 2.4 illustrates the upper part of the Events subpage where Upcoming events (i.e. Upcoming activities) as well as some of the Previous events are visible.



## 5GCAR

5G Communication Automotive Research and innovation



[Home](#) [About 5GCAR](#) [Activities](#) [Documents](#)

### Events

#### Upcoming events

On this page to your right under Upcoming activities.

#### Previous events

5GCAR participated in the [ICT 2018 Exhibition](#) 5G PPP stand in Vienna, December 4-6, 2018.

5GCAR attended the [6<sup>th</sup> Global 5G Event](#) in Rio de Janeiro, November 28-30, 2018, and participated as a speaker in the [IEEE 5G Summit Rio](#), November 30, 2018.

5GCAR hosted the 5G PPP Technical Workshop in Kista, November 20-22, 2018.

5GCAR participated in the [Global5G.org webinar](#), October 10, 2018.

5GCAR organized organize the [Second International Workshop on V2X Communications and Channel Modeling](#) in the PIMRC international workshop on V2X communications and channel modeling in Bologna, September 7, 2018.

#### Upcoming activities

5GCAR will participate in the [Strategic Deployment Agenda workshop](#) in Brussels, February 7, 2019.

5GCAR will participate in [Mobile World Congress 2019](#) at the Mobile World Capital stand in Congress Square (CS-40) in Barcelona, February 25-28, 2019.

5GCAR will give an invited speech in the [Smart Transportation & Mobility conference](#) in London, April 11, 2019.

#### Twitter feeds

[@5gcar.eu](#)

[@5GPPP](#)

**Figure 2.4: 5GCAR website – Activities page, Events subpage.**

**Documents:** here the Publications relating to the project are highlighted in one subpage (where the titles highlighted in blue are linked to the open access publications) and the project deliverables are listed in another subpage (with links bringing the reader to the respective deliverable). As an example, Figure 2.5 illustrates the upper part of the Publications subpage under Documents.



## Publications

### Published papers

[Energy and Latency Control for Edge Computing in Dense V2X Networks](#) by Zhao, J., Wang, L., Wong, K.-K., Tao, M., and Mahmoodi, T. (2018)

MMSE Receiver Design and SINR Calculation in MU-MIMO Systems with Imperfect CSI by A. Abrardo, G. Fodor, M. Moretti and M. Telek, in *IEEE Wireless Communications Letters* (2018)

Low-Latency Networking: Where Latency Lurks and How to Tame It," by X. Jiang *et al.* in *Proceedings of the IEEE* (2018)

[Genetic Algorithm-Based Beam Refinement for Initial Access in Millimeter Wave Mobile Networks](#) by Guo, Hao, Behrooz Makki, and Tommy Svensson in *Wireless Communications and Mobile Computing* 2018 (2018).

[Performance Comparison of Practical Resource Allocation Schemes for Device-to-Device Communications](#) by Fodor, Gábor. *Wireless Communications and Mobile Computing* 2018 (2018)

Collaborative Sensor Network Localization: Algorithms and Practical Issues by R. M. Buehrer, H. Wymeersch and R. M. Vaghefi in *Proceedings of the IEEE* (2018)

### Upcoming activities

5GCAR will participate in the [Strategic Deployment Agenda workshop](#) in Brussels, February 7, 2019.

5GCAR will participate in [Mobile World Congress 2019](#) at the Mobile World Capital stand in Congress Square (CS-40) in Barcelona, February 25-28, 2019.

5GCAR will give an invited speech in the [Smart Transportation & Mobility conference](#) in London, April 11, 2019.

### Twitter feeds

[@5gcar.eu](#)

Figure 2.5: 5GCAR website – Documents page, Publications subpage.

## 2.2 Sidebar

The sidebar of the website consists of the following sections: Upcoming activities, Twitter feeds, Useful links, and Search.

**Upcoming activities:** here the upcoming project activities are highlighted, see Figure 2.1.

**Twitter feeds:** links to the 5GCAR twitter feeds (@5gcar.eu: [https://twitter.com/H2020\\_5GCAR](https://twitter.com/H2020_5GCAR)) and to the 5G PPP twitter feeds (@5GPPP: <https://twitter.com/5gppp>) are provided here, see Figure 2.1.

**Useful links:** here we link to the 5G PPP Phase 2 Projects (<https://5g-ppp.eu/5g-ppp-phase-2-projects/>), see Figure 2.2.

**Search:** here a function enables a search on the website, see Figure 2.2.



### 3 Technical information

The domain “5gcar.eu” has been registered for the project. The 5GCAR website itself has been implemented using WordPress. The webserver is hosted by Ericsson IT services.

**Disclaimer:** This 5GCAR D1.1 deliverable is not yet approved nor rejected, neither financially nor content-wise by the European Commission. The approval/rejection decision of work and resources will take place at the next Review Meeting, after the monitoring process involving experts has come to an end.