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# 5G HEART

**5G HEalth AquacultuRe and Transport validation trials**

## D7.3: Project Dissemination Materials

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Abstract	This deliverable shortly summarises the general dissemination materials produced during the project and utilised by the project partners in the promotion of the 5G-HEART project.
Keywords	Dissemination, dissemination materials

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<b>Project co-funded by the European Commission in the H2020 Programme</b>		
<b>Nature of the deliverable:</b>		R <sup>1</sup>
<b>Dissemination Level</b>		
PU	Public, fully open, e.g. web	✓
CI	Classified, information as referred to in Commission	
CO	Confidential to 5G-HEART project and Commission Services	

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<sup>1</sup> R: Document, report (excluding the periodic and final reports)

DEM: Demonstrator, pilot, prototype, plan designs

DEC: Websites, patents filing, press & media actions, videos, etc.

OTHER: Software, technical diagram, etc.



## EXECUTIVE SUMMARY

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This deliverable summarises the general dissemination materials produced during the project. The dissemination materials presented include the printed materials in the form of project leaflets, roll-ups and key results booklet as well as the online materials in the form of project's public deliverables, newsletters and vertical trial videos. The presented materials have been utilised by the project partners in the promotion of the 5G-HEART project in a variety of physical and virtual events during 2019-2022.



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## 1 INTRODUCTION

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This deliverable summarises the general dissemination materials produced during the project. The dissemination materials presented in the following sections include the printed materials in the form of project leaflets, roll-ups and key results booklet as well as the online materials in the form of project's public deliverables, newsletters and vertical trial videos. The dissemination materials excluded from this deliverable are the scientific publications and demo videos produced by individual project partners themselves. However, these materials are all listed at the 5G-HEART website<sup>2</sup> and the interested readers can find the related details online.

In addition to the dissemination materials presented in this deliverable, the project has produced templates for documents, presentations and posters that the project partners have been able to utilise when disseminating and communicating project results to different stakeholder groups and the general public. In addition, the 5G-HEART website launched in the beginning of the project has been utilised as the online information hub containing the links to all online dissemination materials as well as to the project's social media accounts used as news channels to distribute the announcements of the availability of new dissemination materials published at the project website.

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<sup>2</sup> <https://5gheart.org/>



## 2 PRINTED DISSEMINATION MATERIALS

This section summarises the printed materials utilised in different physical dissemination events.

### 2.1 Leaflets/flyers

The project has produced two versions of the 5G-HEART leaflet [1], containing general information on the on the project and utilised as handouts in different dissemination events. The leaflet versions are summarised in Table 1.

Table 1: 5G-HEART leaflets/flyers

Issue	Contents	Publication date
Project overview leaflet	Project concept, impact, ecosystem, objectives and consortium	26 February 2021
Event flyer	Summary of project concept, impact and consortium	28 February 2022

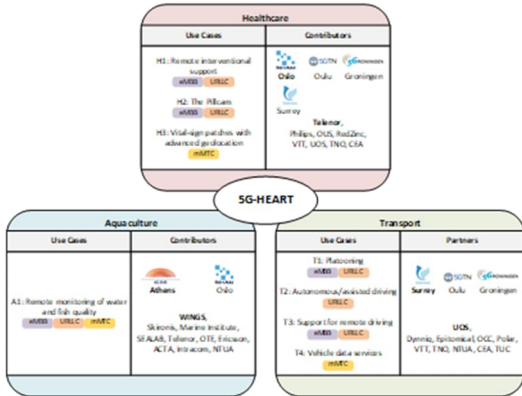
### 2.2 Booklet

The project has produced a 5G-HEART Key Results booklet [2] that was used as a handout in the 5G-HEART Final Event [3]. The booklet contains short introductions to the 5G-HEART project and its three target verticals as well as selected result highlights from 26 different trial scenarios. As a standalone document, the booklet provides only an introduction to the 5G-HEART trials results and full details are available in the technical deliverables at the project website.

### 2.3 Roll-ups

The project has produced two 5G-HEART roll-ups, containing general information on the project and utilised as project visuals in different exhibitions and 5G-HEART Final Event. The roll-up designs are shown in Figure 1.





**IMPACT**

5G-HEART will show through business and ecosystem studies how all the vertical sectors separately and combined contribute to the improved quality of life for citizens, more efficient resource usage and sustainable society.

**Healthcare**

More efficient clinical processes, improved patient pathways and outcomes, reduced hospital OPEX, and reduced impact of geography and economy on the quality of health care globally.

**Transport**

Increased public safety in platooning and autonomous/assisted driving, new business models for the transport of people and goods, and contributions towards evolving standards.

**Aquaculture**

More advanced and sustainable food production in Europe, autonomous feeding, better fish health and fish farm management.

**CONSORTIUM**



**FOLLOW US:** Facebook: 5gheart, LinkedIn: 5G-HEART EU Project, Twitter: @5gheart, YouTube: 5GHEART

Website: 5gheart.org, Coordinator: Dr. Harsh Kim (harsh.kim@vtt.fi), VTT Technical Research Centre of Finland. This project received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 857034.



**CONCEPT**

5G-HEART deploys, trials and validates innovative digital use cases on top of five European 5G test facilities including all three ICT-17 platforms (5G-VINCI, 5GENESIS and 5G EVE) as well as two national infrastructures (5G-TN and 5Groningen).

The validation trials are built around use cases from healthcare, transport and aquaculture vertical industries which are hugely important in Europe, in terms of jobs, size (collectively surpassing €3Trillion) and export trade.

5G is important for these verticals in terms of improvements for utility, process efficiency and safety, and the validation trials confirm the various improvements, stimulating huge business opportunities within and beyond the project.

**OBJECTIVES**

Define and validate the cost efficient 5G converged network concepts, which enable an intelligent hub supported by multiple vertical industries.



**TRIAL SITES AND USE CASES**



**CONSORTIUM**



**FOLLOW US:** Facebook: 5gheart, LinkedIn: 5G-HEART EU Project, Twitter: @5gheart, YouTube: 5GHEART

Website: 5gheart.org, Coordinator: Dr. Harsh Kim (harsh.kim@vtt.fi), VTT Technical Research Centre of Finland. This project received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 857034.

a) Figure 1. 5G-HEART a) project impact and b) concept and objectives roll-ups.



### 3 ONLINE DISSEMINATION MATERIALS

This section summarises the online materials utilised in different virtual dissemination events and channels.

#### 3.1 Public deliverables

The main online dissemination materials related to the technical results and demonstrations of the 5G-HEART project are the public project deliverables [4]. Table 2 lists the deliverables available for download at the project website.

Table 2: Public 5G-HEART deliverables

ID	Title	Publication date
D2.1	Use Case Description and Scenario Analysis	30 November 2019
D3.2	Initial Solution and Verification of Healthcare Use Case Trials	31 May 2020
D4.2	Initial Solution and Verification of Transport Use Case Trials	30 November 2020
D5.2	Initial Solution and Verification of Aquaculture Use Case Trials	31 May 2020
D6.1	Preliminary Trials Plan	31 January 2021
D2.3	5G-HEART Network Architecture and Slice Definition	30 November 2021
D3.3	Evolved Solution and Verification of Healthcare Use Case Trials	30 November 2021
D4.3	Evolved Solution and Verification of Transport Use Case Trials	30 November 2021
D5.3	Evolved Solution and Verification of Aquaculture Use Case Trials	30 November 2021
D6.2	Final Trials Plan	31 December 2021
D6.3	KPI Assessment Tools	31 January 2022
D7.6	5G-HEART Showcases	31 July 2022
D3.4	Final Solutions for Healthcare Verticals Use of 5G	30 November 2022
D4.4	Final Solutions for Transport Verticals Use of 5G	30 November 2022
D5.4	Final Solutions for Aquaculture Verticals Use of 5G	30 November 2022
D6.4	Technology Evaluation	30 November 2022
D7.3	Project Dissemination Materials (this deliverable)	30 November 2022
D7.7	5G-HEART Final Event	30 November 2022

#### 3.2 Newsletters

The project has produced 12 5G-HEART Newsletters that have been made available at the project website [5]. The first 7 issues published throughout the project provided general information on the project and its activities, whereas the last 5 issues published during the last 1.5 months focused on the final results of the vertical trials as well as the final dissemination activities. The different newsletter issues are summarised in Table 3.

Table 3: 5G-HEART newsletters

Issue	Contents	Publication date
Newsletter #1	Project news	12 November 2019
Newsletter #2	Project news	27 April 2020
Newsletter #3	Introduction to healthcare vertical trials	6 July 2020
Newsletter #4	Introduction to transport vertical trials	15 December 2020
Newsletter #5	Introduction to trial facilities	28 May 2021
Newsletter #6	Introduction to aquaculture vertical trials	29 October 2021
Newsletter #7	Project news	3 June 2022
Newsletter #8	Healthcare vertical trials overview	7 November 2022
Newsletter #9	Transport vertical trials overview	17 November 2022
Newsletter #10	Aquaculture vertical trials overview	25 November 2022
Newsletter #11	Final event summary	30 November 2022
Newsletter #12	Final results summary	16 December 2022





### 3.3 Videos

The project has produced 12 5G-HEART trial videos with a harmonised visual design. The videos have been utilised in different physical and virtual events and were made available online at the project website [6]. Table 4 lists the trial videos produced by the project.

Table 4. 5G-HEART trial videos

Use case	Title	Publication date
<i>Healthcare</i>		
All use cases	5G for healthcare	14 November 2022
H1A	Educational surgery	7 November 2022
H1B	Remote ultrasound with 5G	7 November 2022
H1C	5G for remote paramedic support	7 November 2022
H1D	Urban search and rescue	7 November 2022
H3A+B	Remote patient monitoring with wearable sensors	7 November 2022
H3C	Aquaculture remote health monitoring	7 November 2022
<i>Transport</i>		
All use cases	5G for transport	14 November 2022
T2S1	5G standalone slicing for smart junction and paramedic support	7 November 2022
T2S4	Human tachograph	7 November 2022
T3S1	Tele-operated support	15 November 2022
<i>Aquaculture</i>		
All use cases	5G for aquaculture	30 November 2022



## 4 CONCLUSION

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This deliverable provided a short summary of the general dissemination materials produced during the project. The presented dissemination materials included the printed materials in the form of project leaflets, roll-ups and key results booklet as well as the online materials in the form of project's public deliverables, newsletters and vertical trial videos. The presented materials have been utilised by the project partners in the promotion of the 5G-HEART project in a variety of physical and virtual events during 2019-2022.



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