

## European Cluster EMF and Health

### Deliverable Cluster brochure

#### Document Summary Information

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<b>Lead Project</b>	ETAIN	<b>Deliverable Editor</b>	Anke Huss, Silvia Ariccio
<b>Contributors</b>	NextGEM: Nikolaos Petroulakis, Panos Chatziadam, Andreas Gavrielides ETAIN: Anke Huss, Anna Higuera, Elsa Boloix, Silvia Ariccio GOLIAT: Pau Rubio, Monica Guxens SEAWave: Theodoros Samaras, Ioannis – Anestis Markakis		



This cluster is comprised out from four consortia that have received funding from the European Union's Horizon Europe research and innovation programme: ETAIN (101057216), GOLIAT (101057262) NextGEM (101057527), SEAWave (101057622). Funded by the European Union. Views and opinions expressed are, however those of the author(s) only and do not necessarily reflect those of the European Union or the European Commission. Neither the European Union nor the granting authority can be held responsible for them.



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## Table of Contents

Executive Summary .....	3
1 Introduction .....	4
2 Brochure's layout and structure .....	5
3 Brochure's intended use cases .....	6
4 The brochure.....	7
5 Conclusion .....	11



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## Executive Summary

The current deliverable “Cluster brochure” will present CLUE-H’s brochure and especially its layout, content and intended uses. The brochure is ready and available on CLUE-H’s website <https://www.emf-health-cluster.eu/>.



# 1 Introduction

The main goal of this section is to provide a brief outline of the objectives of the specific CLUE-H Deliverable, how these are aligned and relate with the cluster overall, and what approach was followed in order to achieve them.

The deliverable “Cluster brochure” reports on the development of the CLUE-H official brochure.

Having an official brochure is a requirement for the cluster in order to have a simple and flexible tool to share the cluster’s activities among potential stakeholders. Consistently, with CLUE-H deliverable template, this document starts with the Executive Summary followed by the introduction of the document in Section 1.

Section 2 presents the brochure’s layout and structure, presenting what kind of content is included and how the layout and format choices have been done consistently with CLUE-H visual identity.

Section 3 presents the brochure’s intended use cases.

Section 4 presents the content of the brochure, via screenshots for each of its pages.

Finally, Section 5 presents a short conclusion of this deliverable.



## 2 Brochure's layout and structure

The brochure layout and format follow CLUE-H visual identity, employing its official logo and colour scheme, as defined by the deliverable Cluster web portal and visual identity. It employs Google Open Font Inter, i.e., a font that is very similar to CLUE-H's font "Helvetica", and it is even more optimised for on-screen reading than the original Helvetica font. Font size ranges between 12pt and 20pt.

Consistently with current common practices in EU project brochures, the brochure includes a summary of the cluster's aims, a short presentation of the working groups and of the research consortia belonging to it, namely ETAIN, SEAWave, GOLIAT, and NextGEM, including links to their websites and social network profiles; the brochure also includes a list of the partners belonging to each research consortium.

That means that the recipient can understand the cluster's aims and internal organisation; the brochure allows to learn about the research consortia belonging to the cluster and reach their respective communication channels to find more information about them. The cluster brochure:

- presents the CLUE-H aim,
- describes the CLUE-H Working Groups,
- introduces the CLUE-H research consortia,
- lists all CLUE-H partners



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### 3 Brochure's intended use cases

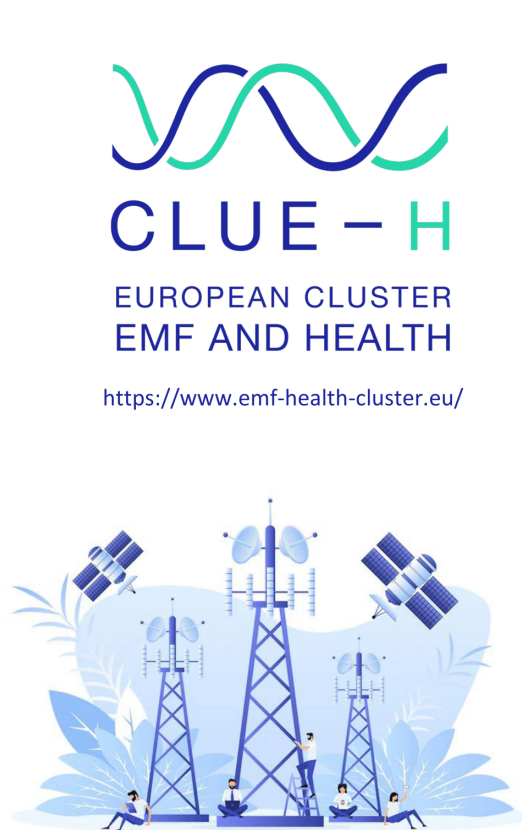
The CLUE-H brochure is part of the communication and dissemination activities undertaken for this cluster. It has been developed as a simple and flexible tool to distribute online for reaching interested stakeholders and present the cluster's aim and members.

The CLUE-H brochure will be available in the cluster's repository for all the partners to be able to access it and use it. It is intended to be used exclusively online, consistently with contemporary ecological practices. It will also be shared through the relevant websites and social networks whenever it will be deemed appropriate. It will be shared via email with potential stakeholders whenever it will be deemed appropriate, especially to introduce them to the cluster, its aim and research consortia.



## 4 The brochure

Figure 1, 2, 3, and 4 show, respectively pages 1, 2, 3, and 4 of the brochure.



### The questions...

- How much are we exposed to radiofrequency electromagnetic fields (EMF)?
- How is our electromagnetic environment changing with the introduction of new wireless technologies, in particular 5G?
- Are there any impacts on our health, the ecosystems, and the environment?

### From science to policy...

These questions will be addressed by the European Research Cluster on EMF and Health (CLUE-H). The results are expected to fill the knowledge gaps that exist regarding the impact of wireless technologies on the environment and health. They will be essential in ensuring a safe deployment and use of future wireless networks which can benefit citizens and society, for example in health, transport, e-government and smart cities.

### Our strategy

The four multidisciplinary research initiatives collaborate on transversal themes in five common working groups in order to establish a framework programme for research on radiofrequency electromagnetic fields. At the same time, each one of the four CLUE-H projects concentrate on specific aspects related to radiofrequency electromagnetic fields, health, and the environment.

Figure 1: First page of the CLUE-H brochure, presenting the cluster's aim



### CLUE-H Working Groups

**WG1 Science translation for policy and practice:** responsible for the production of the policy strategy of the cluster and the policy briefs.

**WG2 Data management and exchange:** focusing on a unified framework for data storage, documentation, and management practices, including common repositories, databases, and project outputs visualization.

**WG3 Communication and Dissemination:** conceived to harmonize communication and dissemination activities of the CLUE-H projects and to maximise their impact. Main WG3 tasks consist of organising CLUE-H workshops and trainings, managing CLUE-H communication via a common website, through a common visual identity, with newsletters and news items for the website, and with policy briefs.

**WG4 Experimental studies:** in charge of developing a common methodological strategy among the experimental activities when applicable.

**WG5 Exposure assessment:** responsible for sharing methodology and experience in exposure assessment and application to evaluation of risks to health. Focus of the WG is on different novel sensors to measure RF-EMF exposure.



Figure 2: Second page of the CLUE-H brochure, presenting CLUE-H working groups





[twitter.com/EtainEu](https://twitter.com/EtainEu)  
[linkedin.com/showcase/etaingroup](https://www.linkedin.com/showcase/etaingroup)  
<https://www.etaingroup.eu/>

“In ETAIN, we are investigating 5G-related risks with a planetary health approach, including experiments about their effect on human tissues, and insects, such as bees. We are also developing an app for giving people more transparency and more control over their exposure to electromagnetic field.” Dr. Anke Huss.



[twitter.com/seawave5g2022](https://twitter.com/seawave5g2022)  
[linkedin.com/company/seawave-project/](https://www.linkedin.com/company/seawave-project/)  
<https://seawave-project.eu/>

“SEAWave aims to contribute to the scientific basis for health risk assessment of 5G and offer the means for effective health risk communication and results dissemination to all stakeholders, ranging from citizens and national regulators, to standardization bodies and the industry.” Dr. Theodoros Samaras.



**CLUE-H research consortia (2022-2027)**



“GOLIAT aims to monitor RF-EMF exposure, particularly from 5G, provide novel insight into its potential causal health effects, and understand how exposures and risks are perceived and best communicated using citizen engagement.”  
Dr. Mónica Guxens.

“The NextGEM vision is to ensure EU citizens’ safety when employing EMF-based technologies by the generation of health-relevant scientific knowledge and for evidence-based risk assessment. NextGEM will create also the NextGEM Innovation and Knowledge Hub (NIKH) to assess EMF and Health related outcomes, offered in a standardised way to relevant stakeholders.” Dr. Nikolaos Petroulakis



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Figure 3: Third page of the CLUE-H brochure, introducing CLUE-H’s research consortia



More than 60 organizations from 17 countries



Disclaimer

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Figure 4: Fourth page of the CLUE-H brochure, listing all cluster’s partners



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## 5 Conclusion

This document describes the cluster's brochure, its structure, its layout, its intended use cases as well as its content. The brochure is expected to be one of the main tools employed for disseminating the cluster among potential stakeholders.