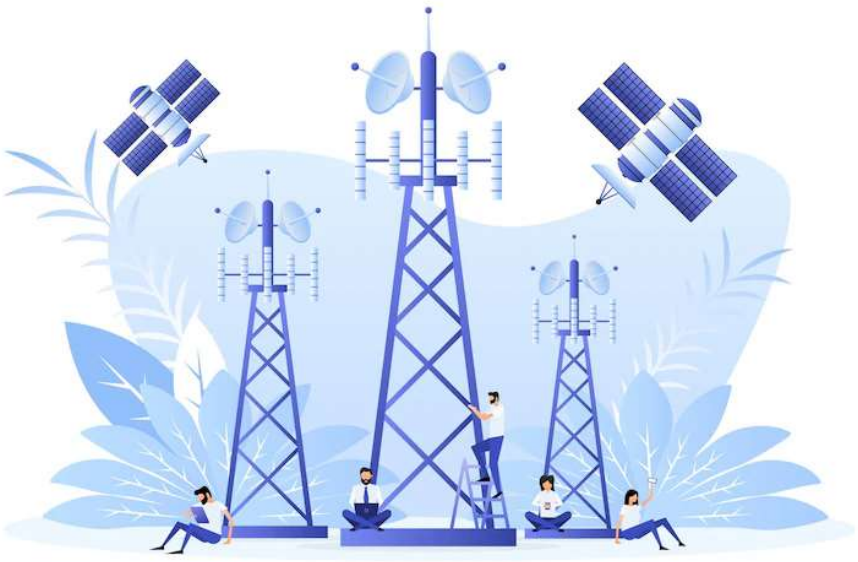
CLUE – H

EUROPEAN CLUSTER
EMF AND HEALTH

https://www.emf-health-cluster.eu/



## 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 four 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.

## CLUE-H Working Groups

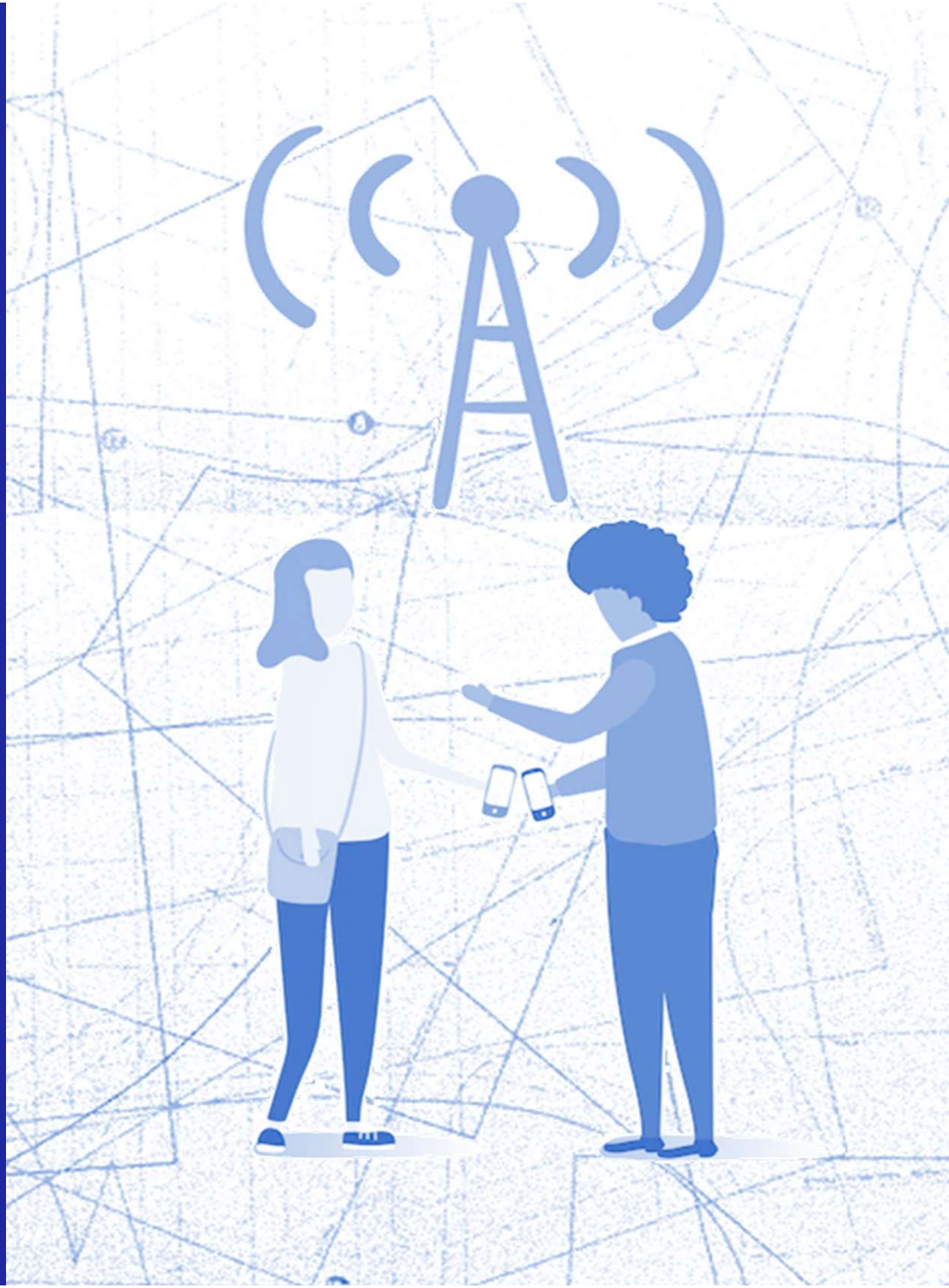
**WG1 Science translation for policy and practice:** responsible for the production of the policy strategy of the cluster and the policy briefs.

**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 harmonise communication and dissemination activities of the CLUE-H projects, in order to maximise their impact. WG3 is responsible to develop the visual identity, organising common activities between the CLUE-H projects and handling offline and online communication and dissemination.

**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 applicable to the research question.



twitter.com/EtainEu

linkedin.com/showcase/etainproject

https://www.etainproject.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

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.

ETAIN SEAWave

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

GOLIAT NextGEM

"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. Mònica Guxens.

twitter.com/hashtag/Projectgoliat

instagram.com/explore/tags/projectgoliat

https://projectgoliat.eu/

"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

linkedin.com/company/nextgem-project/

twitter.com/NextGEM_eu

https://www.nextgem.eu/

## More than 60 organizations from 17 countries

**ETAIN**


**SEAWave**


**GOLIAT**


**NextGem**


**Disclaimer**

This cluster is comprised out of 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. The 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.