



5G Scientist App



Grant Agreement 101057216

What is ETAIN?

ETAIN is an EU-funded project aimed at **assessing the impact of radiofrequency electromagnetic fields (RF-EMF)** from both a human and planetary perspective while also exploring and proposing options to reduce exposure.

The project focuses on fostering interaction with citizens and stakeholders to better understand exposure levels and potential associated risks. To this end, **ETAIN has developed an application and a portal that enable users to measure their personal RF-EMF exposure and map exposure levels in European cities as a common good.**

Who is ETAIN?



5G Scientist App

This application **measures your exposure to radiofrequency electromagnetic fields in real-time**. Once installed, you can check your immediate exposure or allow the app to continuously measure your exposure in the background. Additionally, while in use, it evaluates the strength of your mobile and Wi-Fi networks, providing insights on whether your connectivity is low, medium, or high, and how to interpret these results.

By downloading this app, you will not only gain insights into your exposure but also contribute to scientific research as a **citizen scientist**. Your measurements will be combined with those of other users to create a **European exposure map**. This will be a valuable tool, allowing users to check the exposure levels of the areas they move through daily.

If you want to learn even more about your exposure, you can use the app's data to interact with the **Dose Calculator**, also developed by ETAIN. This tool will help you better understand your behaviour in relation to RF-EMF technologies.

5G Scientist App - How does the app work?

Step 1:



ETAIN 5G Scientist

Fields at Work

Download the app

Step 2:



Your phone will request permission for ETAIN 5G Scientist to access specific information.

1 We will collect and process your location and local network signal strength to create exposure maps, even after you close the app.

2 Send notifications to prompt regular app usage for proper functionality.

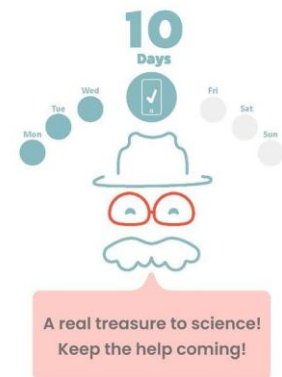
We do not collect information that identifies you (such as your name, phone numbers, or other identifiable information), so it is not possible to link the collected location data to you.

< Back



Next >

Step 3:



My exposure



My contribution



Map



Learn

5G Scientist App - How does the app work?

Step 4:

Measuring > Radiation

Radiation

Mobile | Wifi



4.2% (2.1 V/m) ⓘ

Your radiation level is 4.2% of the guideline value, mobile connection.

You have a **strong** mobile connection, so using your phone here creates **low** additional radiation.

Estimate your daily radiation

Learn more

Step 5:



Measuring > Radiation > Usage

Estimate your usage radiation

On average, how much do you call holding your phone to your ear?



On average, how much do you use your phone screen while connected to a mobile network?



See the results



Radiation



Contribution



Map



Learn

Step 6:

Measuring > Radiation > Usage >

Result

Your mobile phone radiation

Your daily radiation level is

5430.3 mJ/kg per day. ⓘ

14.8% originates from your phone
85.2% originates from your mobile network

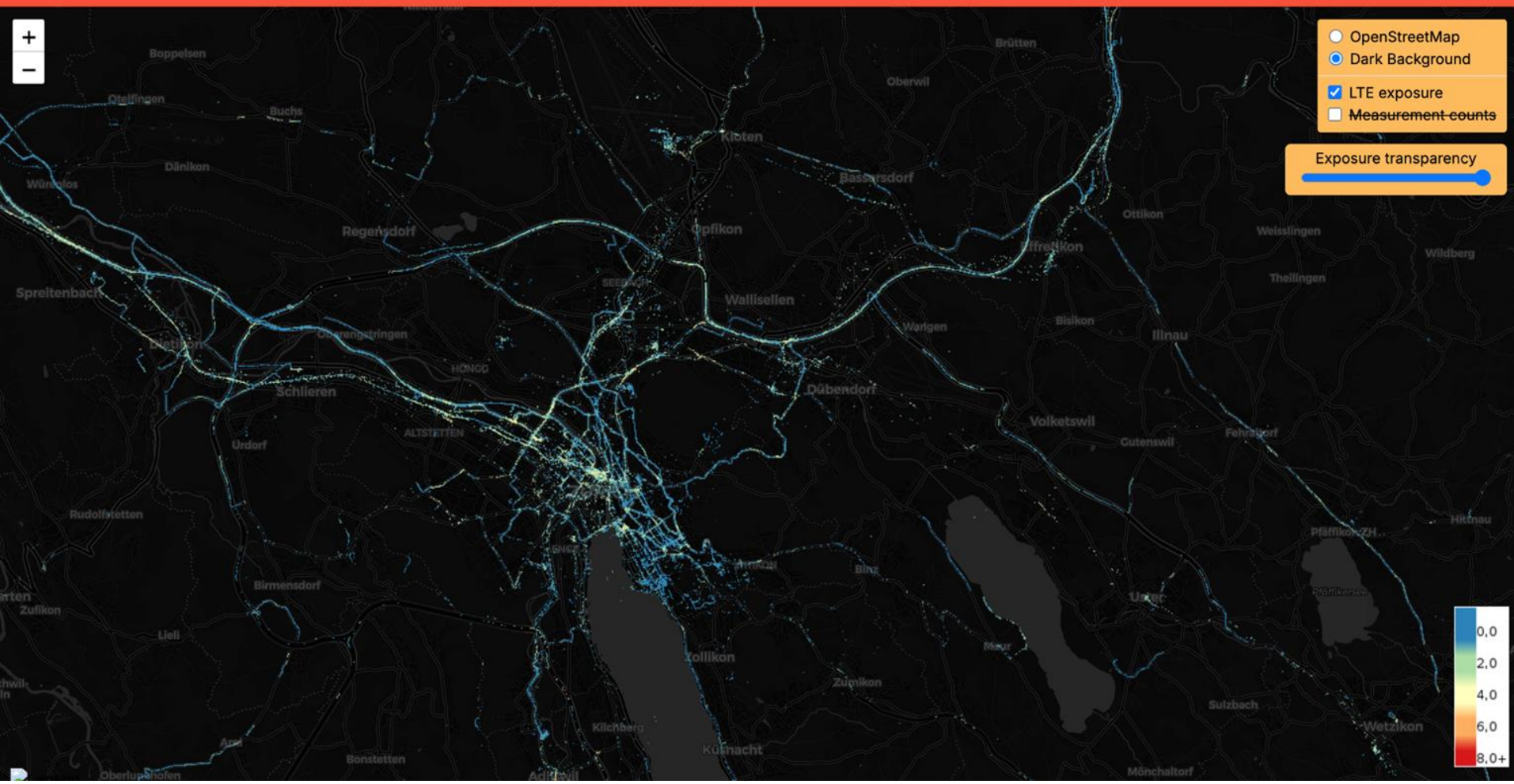
To compare:
The average daily radiation level in Europe is 252 mJ/kg per day.

This is only part of the story.

Calculate your total dose radiation

Back to overview

Learn more



Interested?

Download the app here



Check out the maps

