

# IEMFA Newsletter April 2022

## Europe: "Stop ((5G)) - Stay connected but protected"

The European citizens' initiative is up and running - it started on 1st March 2022 and will run for 12 months.

A total of 1 million signatures need to be collected from citizens across the EU.

Signatures can be made both on paper or signed digitally on [www.signstop5g.eu](http://www.signstop5g.eu).

The ECI rests on three pillars:

1. **Protection of all life on earth** - Current exposure limits provide insufficient protection — especially for vulnerable people (like children, pregnant women, patients, the elderly), animals, pollinating insects and plants
2. **Protection of our environment** - Unsustainable energy consumption, radiation emissions, harmful mining and pollution will endanger biodiversity and natural habitats
3. **Protecting our data** - increased risk of cybercrime, data leak, theft, resale and misuse of artificial intelligence

Find lots of information and background at: <https://signstop5g.eu/>



## Sweden: First case study so far: 5G causes microwave syndrome



The first-ever study of the health effects of 5G radiation on humans shows that **5G causes typical symptoms of microwave syndrome and a massive increase in microwave radiation**. The case study also confirms once again that radiation causes ill health far below levels allowed by the authorities.

[The study](#) was published in the journal Medical Access no 1/ 2022 and was carried out by the cancer doctor and researcher Lennart Hardell from

the Research Foundation Environment & Cancer and Mona Nilsson from the Radiation Protection Foundation. The study concerns the health consequences for a man and a woman who received a 5G base station directly above their apartment, only 5 metres above their bedroom.

**Source:** Radiation Protection Foundation. <https://www.stralskyddsstiftelsen.se/2022/02/22/forsta-studien-av-effekter-av-5g-stralning-pa-manniska-visar-att-5g-orsakar-mikrovagssyndromet/>

## Europe: Mercury-containing lamps and fluorescent tubes banned

Mercury has been allowed in lamps and fluorescent tubes despite being one of the most dangerous environmental toxins. Next year, the EU will ban the majority of uses following an initiative by the Swedish Chemicals Inspectorate and the Swedish Energy Agency.

Source: TT News Agency

## Worldwide: Ambition to establish a network of EMF lawyers

Andreas Shialaros, a lawyer from Cyprus, wants to set up a network of lawyers who can share knowledge and cooperate in ALL types of EMF cases; mobile masts, smart meters, adjacent smart buildings and anything with "smart" written on it or with an antenna.

*"The scope of legal challenges can be endless As I personally see it, every antenna, big or small, is a potential legal challenge. "*, he writes in an email.

*"The challenges can vary: appeals against administrative actions for licensing of spectrum, appeals and/or civil actions for approval of smart meters, tort cases (nuisance, assault) against governments/councils/telecom companies/individuals who allow installations (depending on the licensing procedure in each country), appeals for failure to act (this applies to responsible authorities who never updated their exposure limits), criminal cases for personal injury, the list is endless.*

*It is a fact that public health policy is a national matter, so each case must be examined nationally. But as case law begins to be established in different EU Member States, it will be easier to address the problem across Europe, because **all EMF cases have a common element: the ICNIRP guidelines, which have now become the "elephant dancing on the coffee table"**.*

## Sweden: Many people sick from high microwave radiation in Stockholm



On Saturday 22 January, thousands of people gathered at Sergels Torg in the centre of Stockholm, Sweden for a demonstration. People who participated have contacted the Radiation Protection Foundation and testified about symptoms they experienced on the spot or afterwards. In Sergels Torg in 2021, extremely high levels of radiation were measured from 4G and 5G base stations.

The symptoms described by the people include **"sunburn" on the face, eye pain and impaired vision, severe headache, fever and chills, dizziness, nausea and vomiting, body aches, sleeping problems,**

**palpitations and chest / head pressure - typical symptoms of microwave sickness.**



**Source:** Radiation Protection Foundation.

<https://www.stralskyddsstiftelsen.se/2022/03/24/manga-sjuka-av-den-hoga-mikrovagsstralningen-pa-sergels-torg/>

## Link between electrical appliances and childhood leukaemia

A meta-study found that prolonged exposure to power lines and electrical devices generating magnetic fields higher than 0.4  $\mu$ T, such as electric heating filters, clocks and watch radios, is associated with an increased risk of leukaemia in children. The study focused only on magnetic fields.

A relevant question is what risk electric cars and mobile phones, for example, pose with their strong magnetic fields.

*Exposure to magnetic fields and childhood leukemia: a systematic review and meta-analysis of case-control and cohort studies. Reviews on Environmental Health.*

Source : <https://www.degruyter.com/document/doi/10.1515/reveh-2021-0112/html>

## US court urges agency to review EMF standards

Two years after the lawsuit was filed, the U.S. Court of Appeals for the D.C. Circuit ruled. Circuit in August 2021 that the FCC must re-examine the research to determine whether its electromagnetic radiation regulations should be updated.

Furthermore, the Court called the Commission's actions "*arbitrary and capricious*" because it had ignored evidence of the damage to children's brains (which are not fully developed) and to male and female reproductive systems. **The court also ruled that because the FCC never produced any regulations on the effects of radio frequency radiation on wildlife, it had "utterly failed" to address the evidence of potential environmental harm.**

However, the Court did not set a date for FCC compliance, which means that the Commission can keep its old regulations in place indefinitely.

**Source :** <https://washingtonspectator.org/fcc-electromagnetic-radiation/?fbclid=IwAR1GVspsCOBzKafOqLdEiMXf0G0tXgEhAdVcQ8IAPG2Xt4J2Vurey6F4XwQ>

## USA: Robot bees to pollinate our crops when bees die

Are we creating dead zones where urban or rural farmers will not be able to grow food or have a vegetable garden?

**The tech industry can advise us to use the very technology that damages ecosystems by using drones to pollinate our crops.** The giant US and global retailer Walmart has already filed a patent for a pollinating robot bee that could pollinate crops like real bees. Other organisations are also developing artificial bee drones.





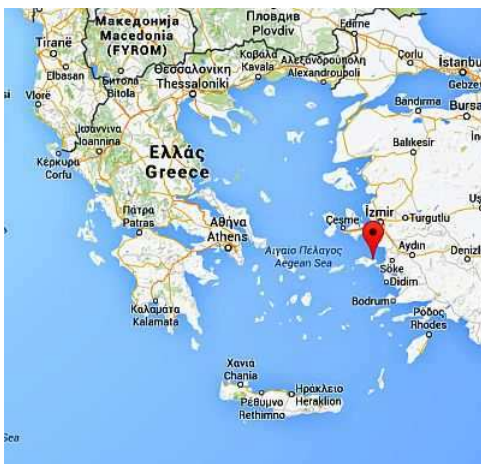
What about drone ownership, privacy, safety and adverse effects on sensitive native bees and flowers with the use of these drones? Many questions, no answers but predictable undesirable outcomes.

**Source** : Business Insider

<https://www.businessinsider.com/walmart-robot-bees-farming-patent-2018-3?r=US&IR=T>

## **Greece: 5G antennas cause massive decline of insects on the island of Samos**

*Diana Kordas on the Greek island of Samos has compiled a well-done and detailed environmental report:*



In recent decades, environmental pollution from RF radiation has increased significantly.

**After the introduction of 3G, all the frogs disappeared.**

**After the introduction of 4G/LTE (2016), all turtles disappeared from the wetlands, while the number of birds and species started to decrease rapidly, especially small birds such as sparrows, chaffinches and mergansers, greenfinches, goldfinches and yellowhammers. Insect numbers also declined. Large flocks of crows now dominate the area, indicating an imbalance in the ecosystem.**

**In addition, after the 4G was deliberately targeted at the southern shores, marine life also declined.** Squid, sea snails,

sea hares, nudibranchs, starfish and one type of seahorse became very rare or disappeared altogether. This is not due to pollution of the sea. Although this is an agricultural area where agrochemicals are used, it has been farmed for many years and sea life did not change radically until 4G/LTE started covering the area. The large reed beds in the area act as a filter for agricultural chemicals, so the run-off to the sea is clean.

This poses a major problem for the environment, especially birds and insects. On our 3½-acre plot on Samos, we have seen a dramatic decline in insect numbers between 2012 and 2021. Some insect species may be extinct and several species appear to be suffering from DNA damage.

The area where we live did not have much microwave radiation until 2016, when 4G/LTE networks started to be installed on Samos and many new mobile phone masts were built, and then insects and birds started to decrease noticeably. A tipping point was reached in the summer of 2021, after the installation of a new 5G mast was erected near our land. This mobile mast is part of a new 5G network on Samos.

**Since July 2021, when the 5G network on Samos went live, insects on our land have declined by 80-90% depending on the species. All orders of insects are affected.** The cause of the insect reduction can only be RF radiation from the mobile phone masts. No pesticides are used in this area and nothing else can explain the sudden and sharp decline in the number of insects on the site since July 2021. Small mammals, especially rodents, are also declining rapidly.

**5G frequencies seem to be the main cause of the recent decline in insects, which is seen across the island.** The consequences of the decline will be far-reaching: it will affect wildlife diversity,





agriculture and beekeeping. Worse still, it could lead to crop failure or mass collapse of bee colonies. Insectivorous birds will decline dramatically and may become extinct.

Frequency (waves per second) seems to be a more important factor than signal strength in the reduction of insects. Greece uses bandwidths of 0.7 GHz, 3.5 GHz and 22.5 GHz; the last of these is often referred to as millimetre waves.

**Wherever 5G signals are present, insects have declined, regardless of whether these areas are close or far from mobile phone masts. Samos is rapidly losing most of its insects, including pollinators.**

**Source :** <https://safetechinternational.org/wp-content/uploads/2022/03/5G-causes-massive-insect-declines-on-Samos.pdf>

***If we and the rest of the mammals were to disappear overnight, the rest of the world would do quite well. But if insects and other invertebrates disappeared, the world's ecosystems would collapse.***

Sir David Attenborough

### **French court revokes licence for Internet via satellite**

France revokes the licence allowing Elon Musk's Starlink company to use two frequency bands to provide satellite internet in France. SpaceX reportedly has only one ground station left in France. The other two encountered local opposition. Villagers expressed concern that the network's earth stations would affect livestock, despite assurances from the country's own ANFR (National Frequency Agency) that it is perfectly safe and well below the legal limit.

**According to the decision, two groups had requested the annulment of the frequency licence and this was granted, according to the decision, due to a lack of public consultation.**

**Source :** [https://www.theregister.com/2022/04/06/starlink\\_france\\_license/](https://www.theregister.com/2022/04/06/starlink_france_license/)



### **Study: mobile radiation harms tomato plants**

Radio frequency (RF) radiation in the environment is increasing and affecting all living creatures, including plants grown near communications base stations. In response, researchers have investigated the effects of RF radiation at 1800 MHz on plant health and antioxidant content in tomato plants.

The general health of the plant was analysed by physiological changes such as plant height, leaf size, root system length and germination rate upon exposure to radiation and showed a significant decrease ( $p < 0.05$ ) compared to the control.

**Irradiation also showed a significant reduction in photosynthetic pigments in the leaves.** A further confirmation of stress on exposed plant tissue was that a higher level of  $H^2 O^2$  (hydrogen peroxide) was obtained in exposed leaves than in the control. The morphological changes, i.e. leaf

curling, discoloration and reduction in size, became more prominent with increasing exposure time.

A significant decrease in total phenolic content (37.06%), flavonoid content (71.38%), vitamin C content (72.45%) and DPPH (59.32%) and total antioxidant assays (71.89%) was found, revealing significant impairing effects on secondary metabolites and the antioxidant potential of tomato plants. Lycopene content increased continuously up to 73.13% at 120 h of irradiation, which was a direct indication of detrimental effect on fruit skin and release of lycopene due to softening of fruit tissues.



**The results thus illustrate the negative effects of such waves on tomato plant quality.**

The limited understanding of the metabolic processes involved in plant responses to this type of radiation makes this research valuable for agriculture.

**Mobile telecommunications regulators should be informed and, in addition, the installation of mobile phone base stations on agricultural land should be prohibited.**

The study is entitled: *Attributes of non-ionizing radiation of 1800 MHz frequency on plant health and antioxidant content of Tomato (Solanum Lycopersicum) plants*

**Source :** <https://www.sciencedirect.com/science/article/pii/S168785072200125X>

### **Sweden: Electrical Safety Authority**

The Swedish Electrical Safety Agency has recognised the interference problems with switched power electronics, wind turbines, solar cells, etc. In principle, they predict a greatly deteriorated electromagnetic environment and call it smart electrification. Nothing is said about long term studies on humans.

**Source:** Swedish Electrical Safety Authority.

<https://www.elsakerhetsverket.se/om-oss/press/nyhetsbrev/2022/mars/elektrifieringsstrategin---en-snabb-smart-och-samhallsekoniskt-effektiv-elektrifiering/>

## Germany: piglets sickened by radiation from mobile phone mast

In a German herd, piglets had poor growth and frequent diarrhoea, arthritis and bacterial infections. All these symptoms had a major economic impact on pig producers, as the growth rate of the pigs was extremely low.

**Veterinarians took many different samples from the pigs and from the housing environment, and concluded that the pigs' immune systems had collapsed.** The vets tried to find the cause of the pigs' compromised immune system in an alternative way.

Using a method called bioresonance, which measures the effect of radiation on the

organism, the veterinarians were able to determine that the pigs had been exposed to radiation, according to the German magazine AgrarHeute, and after numerous examinations, the veterinarians concluded that the pigs were sickened by radiation from a mobile mast erected one kilometre away from the barnyard.

**The radiation caused the pigs' immune system to deteriorate, their pancreas to malfunction, their carbohydrate metabolism to be disrupted and their intestinal flora to become unbalanced.**

The solution was to use a bioresonance device that is now connected to the main water supply line for the pigs' drinking water and that emits a regulating frequency spectrum in the drinking water 10 hours a day. After just one week using the bioresonance method, the piglets began to stabilise. There were fewer cases of diarrhoea, the use of antibiotics decreased and the growth rate of the piglets increased, AgrarHeute writes.

<https://landbrugsavisen.dk/gris/tyskland-sm%C3%A5grise-blev-syge-af-str%C3%A5ling-fra-mobilmast%C2%A0?fbclid=IwAR1YkBeAXm9L4wEGuVXmny5V7MS7XJNhjp9VSTnoAsailjKDay1l2xoiZS>



## Australia: Research on smart meters

Although there is a large body of peer-reviewed studies showing that microwave radiation from wireless technologies is harmful to all living organisms and to all organ systems, there is virtually no specific research on "smart" meters. However, Dr Frederica Lamech has looked at a government study in Victoria, Australia, which looked at how symptoms developed after smart meters were installed. **One would expect negative symptoms similar to radiation sensitivity/electrosensitivity (EHS) and this was confirmed by Dr Lamech (2014).** She writes:

"In 2006, the Victorian government in Australia mandated the introduction of smart meters in Victoria, making it effectively impossible for an entire population to avoid exposure to man-made high-frequency non-ionising radiation. The issue appears to pose an unprecedented challenge to public health in Victoria. As of August 2013, 142 people had reported adverse health effects from wireless smart meters by submitting information to an Australian public website using its health and legal register."

After removing all unauthorised participants without a confirmed address, she conducted a survey of symptoms reported after the smart meters were installed. She found a host of negative physical health symptoms. These symptoms had a negative impact on these people's ability to lead a normal life.

**Notably, only 8% of the final group (92 people) reported having problems with EHS before the smart meters were installed.**

*"This points to the possibility that smart meters may have unique features that lower people's threshold for developing symptoms," says Dr Lamech.*

**The most commonly reported symptoms were:**

- insomnia
- headache
- tinnitus
- fatigue
- cognitive disorders
- dysesthesia (abnormal sensation)
- dizziness

Dr. Lamech's study: *Self-reporting of symptom development from exposure to radiofrequency fields of wireless smart meters in Victoria, Australia: a case series.* (2014) Lamech F. Altern Ther Health Med. 2014 Nov-Dec;20(6):28-39.

<https://www.ncbi.nlm.nih.gov/pubmed/25478801>

Source : <https://mdsafetech.org/smart-meters/>



## **Sweden: Scientific article: Health risks from radiofrequency radiation, including 5G, should be assessed by experts without conflicts of interest**

Researchers Lennart Hardell and Michael Carlberg have published an article on the expansion of 5G without investigating the risks to human health and the environment. They write:

*"The evaluation of the health risks of RF radiation from 5G technology is ignored in a report by a Swiss governmental expert group and in a new publication by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). Conflicts of interest and industry links appear to have contributed to the biased reports. **The lack of a proper impartial risk assessment of 5G technology puts the population at risk. In addition, there seems to be a cartel of individuals monopolising evaluation committees, reinforcing the paradigm that the technology is risk-free. We believe these activities should be qualified as scientific misconduct.**"*

Article: *Health risks from radiofrequency radiation, including 5G, should be assessed by experts with no conflicts of interest.* <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7405337/>





## **BBC: a growing number of people are ditching their smartphones**

Around nine out of ten people in the UK now own a smartphone, which is broadly the case across the developed world. A recent study found that the average person spends 4.8 hours a day on their phone. In an article, BBC NEWS Business reports on people who have decided to get rid of their smartphones.

*Dulcie Cowling, 36, ditched her smartphone and switched to an old Nokia that can only make and receive calls and texts. A pivotal moment that led to the decision was when she was with her two boys at the playground. **"I was on my mobile and when I looked up I saw that every parent - upwards of 20 of them - were checking and browsing their phones," she says. "I thought - when did this happen? Everyone is missing out on real life. I don't think you're lying on your deathbed thinking you should have spent more time on Twitter or reading articles online."***

*Alex Dunedin threw away his smartphone two years ago. "Culturally, we've become addicted to these tools," says the education researcher and technology expert. **"They impede cognition and hinder productivity."** Another reason for his decision was environmental concerns. **"We waste exponentially more energy and produce exponentially more carbon emissions,"** he says. He has become happier and more productive since he stopped using a smartphone, he says. Mr Dunedin doesn't even have an old-fashioned mobile phone or even a landline anymore. Instead, he is only electronically contactable via email to his home computer. **"It's improved my life,"** he says.*

***"My thoughts are freed from being constantly cognitively linked to a machine that I have to supply with energy and money. I think the danger of technology is that it drains our lives."***

*Lynne Voyce, a 53-year-old teacher and author from Birmingham, ditched her smartphone in 2016 to encourage her daughters to reduce the time they spent on their phones. And it worked. **"Not having a smartphone reduced the pressure on my brain,"** she says, **"I didn't feel like I had to respond to things immediately or be available when I was out."** Then, last August, she reluctantly had to buy one again because of the need to manage QR codes at restaurants and so-called Covid passes, plus it made it easier to keep in touch with her daughter in Paris. **"After the pandemic, and with my daughter not living abroad, I might try to give it up again. It sounds like an addiction, doesn't it?"** she says.*

The full article can be read here: <https://www.bbc.com/news/business-60067032>



In the past, we "only" needed to protect ourselves from electric and magnetic fields. Now we are bombarded by everything wireless - with unprecedented consequences!