

INCAPACITATED GENERATION IS GROWING

On a meditation retreat in Hereford in November 2024 I met a primary school teacher from London, UK, of children aged 4-6 years. She had been teaching for 23 years and could see a change in the well-being of young children. She said nearly two thirds of her pupils now had special needs including autism, allergies, eczema, ADHD, diabetes, obesity and developmental delays in speech and behaviour.

We had a serious discussion as to the possible causes. She said this was rarely discussed among teachers as they were too busy dealing with the problems to have the time to investigate why this was happening. I described the alarming situation in America where one in ten children are now being diagnosed as having Autism and many with the same poor health and behaviour problems as she had described. The causes being investigated in America include vaccinations, poor diet in the form of processed and genetically modified foods, environmental toxins in water, soil, air and household products, and exposure to EMF (Electro-magnetic Frequencies).

The newest phenomenon in her time, the teacher had pondered, is the use of mobile phones. She wondered if one of the causes might be that parents are communicating less with their babies and toddlers as they are addicted to screen time. Are babies and toddlers missing the face-to-face contact needed to develop and mature? As young children demand attention, they may be given a mobile device to keep them quiet.

The teacher did not know anything about the health hazards of wi-fi (EMF) to children, only the mobile phone behaviours she had observed. In this article I would like to investigate EMF as the **invisible** elephant in the room as far as children and our youth are concerned.

What are the problems of EMF Electromagnetic pollution?

I found a good place to start to answer this question was a video about a presentation in Spain from a European environmental group on the subject, "Healthy Schools, Cable Only Campaign". Only one of the presenters spoke English so the summaries shared in this article have been auto translated from Spanish which will account for any awkward grammar. The presenters stood out as authentic people who genuinely cared about the well-being of the world's children and were prepared to take a stand in their professional capacities and warn us about the risk of EMF pollution to our children.

Electromagnetic pollution is an invisible pollution that is generally little known about of which we have developed a low level of collective awareness. In addition to being invisible, electromagnetic pollution is prevalent and ubiquitous. Its levels are constantly growing, and we have it practically everywhere.

Digitalisation is developing mainly wireless media. Our children, young people, teachers and non-teaching staff go to school and institutes every day where they spend a large part

of their daily life. They are exposed to the environmental impacts of wireless computer equipment in these places on a continuous basis.

The following excerpts are from environmental scientists who have a humanitarian and ethical commitment to alert parents and teachers about the harmful effects of this type of contamination. Also to spread the message on how it is possible and viable to have access to the internet and use new technologies in a bio-compatible and safe way in homes and educational centres.

Here are the main points of advice from an interview with **Dr Oleg Grigoriev**, Doctor of Biological Sciences, Chairman of the Russian National Committee for Protection Against Non-ionizing Radiation. He presents the scientific knowledge that supports the *protectionist measures* adopted by the Ministry of Health in the field of digitalization of schools in Russia. His recommendations include:

- children under 10 years of age must remain completely removed from electromagnetic exposure in schools,**
- the total ban on mobile devices in the educational environment (school and home) and the installation of mobile phone antennas on school grounds,**
- as well as the recommendations of wired Internet connection, not using Wi-Fi in primary school or for children under two years of age,**
- and using paper books for reading and activities.**

Dr Oleg Grigoriev described how we are getting to the point that this generation may be totally incapacitated. These young folk will go out and they will be a bit foolish because their nervous system is overstrained and not so well formed.

EMF affects the nervous system, particularly of children. A very large percent of them are not healthy. Children cannot focus. They are absent minded. They show aggressive behaviour. Their parents don't know what to do, how to calm them. There is a growth of cancer and cancerous diseases among children.

Children write badly, count badly in a sense of clumsily. They don't step out in the same condition as children before the introduction of wi-fi.

They have a degree of moisture saturation in the brain which is affected even when exposed to cell phones for a few minutes.

Distance learning makes this worse in classrooms.

The organ of sight is affected by electronic tablets' light and wi-fi.

I repeat, we are heading to a situation that the current generation may be absolutely incapable of work. Absolutely? Yes. If they have impaired vision. If their nervous system is impaired. It is a worldwide precedent.

Kids will go out and about and be a bit dummy, visually impaired and physically poorly developed.

Here is a summary from a presentation given by **David Gee**, former advisor to the **European Environment Agency** and one of the authors of the reports 'Late Lessons in Early Warnings', including the one on electromagnetic radiation from mobile devices. The **protectionist paradigm**, historically promoted by the Russian scientific committee, has its continuity at the European level with **Resolution 1815 of the Parliamentary Assembly of the Council of Europe**. David Gee is a defender of the *precautionary principle* applied to electromagnetic fields for the protection of children and young people.

Children are biologically more sensitive than adults. Thus, radiation penetration is greater. They live longer for long term effects to manifest. EMF from masts, laptops, computers, cell phones, Bluetooth, tablets, microwave ovens, baby monitors... Children need reduction in exposure. Medicines are lower in dose for children. X-rays are lower for children but not EMF. Keep exposures as low as possible!

What tools are available?

The Precautionary Principle – actions taken even where there is scientific uncertainty.

Children and their brains are at risk. Telecommunication say it is safe (think of lead in petrol...). It's still controversial but go for the *precautionary principle*.

The Electromagnetic Field is an important bio-tropic factor that affects not only human health in general but also affects the process of higher nervous activity, including behaviour and thinking.

Recommendations at household level?

Act reasonably. Cut children off as much as possible from tablets and wi-fi. Delay as long as possible giving them mobile devices.

No cell phone before the age of 16.

Use headphones.

If you see a 5G mast or antenna out your window, check radiation levels in the house.

Where possible, get rid of the source of radiation. Use ethernet cables for internet.

Have wi-fi modems/routers as far away as possible from humans.

Create electronic deprivation in the construction of a house and invest in protection from EMF.

Children are in the risk group for the first time during the entire period of civilisation. The *precautionary position* regards safe levels of electromagnetic pollution for children.

Recommendations at school, pre-school and nursery?

Health risks of 'smart classes' exposes children to magnetic and non-magnetic radiation and increases stress levels in children.

Screens in classrooms with wi-fi set up anywhere. Where are the modems/routers positioned? What strength?

Distance from wi-fi modems/routers 5 metres at least.

Exercise after computer use.

Use ethernet cables for internet.

16 years for phone.

Under ten years wi-fi stimulates the nervous system of children.

(Some governments have already acted or are planning to act to protect their entire populations with Austria, Russia, France¹, Israel, Canada and Spain already being proactive in *precautionary measures*.)

Time for the Precautionary Principle for all children.

This next excerpt is from **Pedro Costa Morata**, engineer, ecologist, national environmental award winner and historical expert on the problems of electromagnetic pollution in the Spanish state. He sets out the current situation in 10 points.

Thirty years ago, there was an increase in concern about the extension of EMF due, above all, to the uncontrolled and unstoppable expansion of mobile communication and ultimately wireless. This concern is reflected in facing numerous difficulties mainly in the media where there is a systematic censoring of conveying this concern. This concern is nevertheless taking place in cities and some courts – progress is being made with difficulty and making significant milestones.

1. The increase in intensity and extent of social concern.

This concern continues to grow with some scientists alerting to the danger of having wireless devices available to children and adolescents. The **UK's Radiation Protection Committee** in 2006 focused its concern on the age group of 3-8 years which was the one that initially worried them the most. Their report, among others, rigorously established that wi-fi devices subject children and adolescents to a risk that is as serious as it is

¹ France has banned WI-FI in Nurseries and recommending ethernet cables to replace WI-FI in schools.

unnecessary due to immaturity in the development of important tissues and organs, drawing special attention to the brain and nervous system:

- the weakening of memory
- the reduction of mental and cognitive capacity
- irritation
- sleep disturbance
- the possibility of increasing the risk of epilepsy

These are conditions that we cannot allow to become 'normal' in our children.

2. The progressive recharging of the atmosphere by electromagnetic technology that interferes with living organisms.

The atmosphere that surrounds us is progressively being re-charged with an electromagnetic energy of technological origin that has been absent for 2-3 million years of human evolution – the human genus is being placed before an unknown but certainly negative situation since electromagnetic fields influence as forces the molecular bond of our cells all the time. New developments in wireless devices use increasingly higher modulation frequencies and are close to some frequencies that are generated by our own organism. It is fallacious and irresponsible to maintain that this reality of deployment of radioelectric devices and this environmental pollution does not inter-face with living organisms, specifically humans. It is extremely shocking that most of the scientific-technological community continues to adhere to the myth of electromagnetic harmlessness.

The facts are proving its inaccuracy. It is certain that in the medium to long term when the damage is immense, they will have to answer for their insensitivity.

3. The *growing* extension of wireless networks, becoming an increasingly used pedagogical instrument and requirement.

The wireless networks have spread without pause and are becoming more than a pedagogical instrument and requirement of increasing use, to which teachers and parents give in – more out of ignorance and disinterest. All over, P.T.A.'s (Parent Teacher Associations) are rising up to oppose this dramatic indifference in a critical process that we should all support and accelerate as much as possible. Meanwhile international institutions that are less subservient to large economic corporations such as the **Council of Europe** have been assuming responsibility, warning and recommending governments to adopt *precautionary measures* in the face of large corporation aggressiveness.

4. The warnings and precautionary recommendations developed by international organisations such as the Council of Europe (Resolution 1815).

We have already mentioned the Council of Europe and its resolution 1815, of the Parliamentary Assembly of 2011, which has a precise and straightforward text. It challenged the immobility of other institutions that are trapped between global and commercial interests. This **resolution 1815** of 2011, which comes to have rare dignity for international institutions, expresses in point 83 its **concern for children**, first requesting that public administrations should develop campaigns for teachers, parents and students. Secondly, that wireless communication such as wi-fi, be discarded in the early childhood, primary and secondary educational stages.

5. International protectionist scientific declarations (such as that of Madrid) that echo scientific calls and alerts, consider the unofficial international guidelines obsolete and request the application of said PACE² Resolution 1815.

Our country, Spain, must mention the **Madrid Declaration of 2017**, which echoed the numerous critical reactions of relevant scientists and scientific associations around the world that declared obsolete the guidelines and thresholds established by the informal and international institutions and calling for the recognition of **resolution 1815 of the Council of Europe**.

6. The failure to comply with environmental legislation in the 5G plans pointed out by the Ombudsman.

On 21 August 2019, the Ombudsman of the Kingdom of Spain did not hesitate in declaring that the deployment of 5G wireless technology does not comply with environmental legislation, the **2013 Environmental Assessment Act**, since it does not provide for the submission of strategic environmental or impact assessments of telecommunications plans and projects linked to this technology. A scandalous case of non-compliance by our political bodies with the legislation being approved by themselves.

7. The uncritical acquiescence of our governments to the business drive of these technologies without heeding the warnings.

In effect our governments, regardless of their political colour, are faced with business impetus from the deployment of these technologies without considering or discerning what they contain in terms of harmful novelty or aggravations of dangers to public health. They maintain a general telecommunication law from 2014. Articles 34 and 35 of that law are clear examples of how technological speciesism induces surprising and blatant

² PACE Parliamentary Assembly of the Council of Europe.

democratic regressions that seek to limit the possibilities of response and defence of the citizen.

8. The ability of the powerful lobby represented by the College of Telecommunications Engineers to extend its tentacles.

The main representative of the telecommunications sectors companies, the College of Telecommunications Engineers, extends its tentacles through press offices, scientific followers, mercenaries and, of course, to certain officials strategically placed in the state administration who, from the Ministry of Health, carry out a doubly miserable task by blocking any call for prudence. The concern and caution for reasons of public health minimised on the one hand with consenting to the increase of political administrative prerogatives of the commercial sector. On the other hand, we must add the extensive list of entities who remain silent and consciously avoid taking any position. The lack of attentive and responsible analysis of the health problem by the relevant medical associations is a glaring and ethical error.

What these corporations use is an instinctive reaction to not recognise new health problems coming from the world of industry or consumption. Think of asbestos that already in the 1930's in France, public concern was uncovered and all the medical colleges refused to recognise it. It had to take 80 years, generations after the first affected ones, for it to be recognised. To recognise lung cancer due to the environment toxin of asbestos. We are still in the hands of frivolous governments who blindly react from the general Telecommunications Law 2014³.

9. The need to protest, resist and warn of the risks of a technology that does not lead to more well-being or social peace.

In the light of history and recognising the oversized power of telecommunications in today's world that does not induce more well-being and social peace, citizens who are

³ General Telecommunications Law 2014
UK Govt.

On the basis of current scientific information, exposures from wi-fi equipment satisfy international guidelines. There is no consistent evidence of health effects from RF exposures below guideline levels and no reason why schools and others should not use wi-fi equipment.

<https://www.gov.uk/government/publications/wireless-networks-wi-fi-radio-waves-and-health/wi-fi-radio-waves-and-health>

In 2014, when exposure thresholds were established, the thermal or heating effect on human tissues were the only concerns. However, we now know that RF radiation can cause biological effects even at levels below thermal thresholds, including cancer, reproductive and neurological harm, and DNA damage. And yet, despite a growing body of independent, peer-reviewed research, the regulatory agencies in the U.S. and U.K. have not changed their thermal-only standard.

(2022) www.BabySafeProject.org

aware of the myths of communication and the damage caused by lack of public control over this powerful business, must **protest** and **resist** and not hesitate to **warn**. Particularly true in relation to the aggression, ubiquity and propaganda field that accompanies mobile communications, all of which configure an unprecedented phenomenon.

10. Starting in the school environment as this campaign does, for healthy schools, free of electromagnetic contamination, and questioning whether this process of technologization of teaching educates, prepares and cultivates with an advantage over traditional systems (books, teachers).

Finally, one of the campaigns of this reality that is definitive is the one that promotes the **electromagnetic protection of children and youth** already proposed by environmentalists in "Action for healthy schools". They focus on reducing and controlling wireless communications in educational centres. This implies the use of networks and fixed connections which not only reduce radioelectric exposure and its health damages but also prevents this. Electronic devices must be placed in well-defined places and with a fixed connection.

None of this presents difficulties that cannot be resolved quickly and at a low cost.

We will end this presentation realizing that teaching is increasingly using electronic instrumentation. How educated, prepared and cultured are our new students compared with the traditional systems of fruitful and personal use of paper and books, and the attentive and stimulating presence of the teacher?

Thank you very much.

Pedro Costa Morata

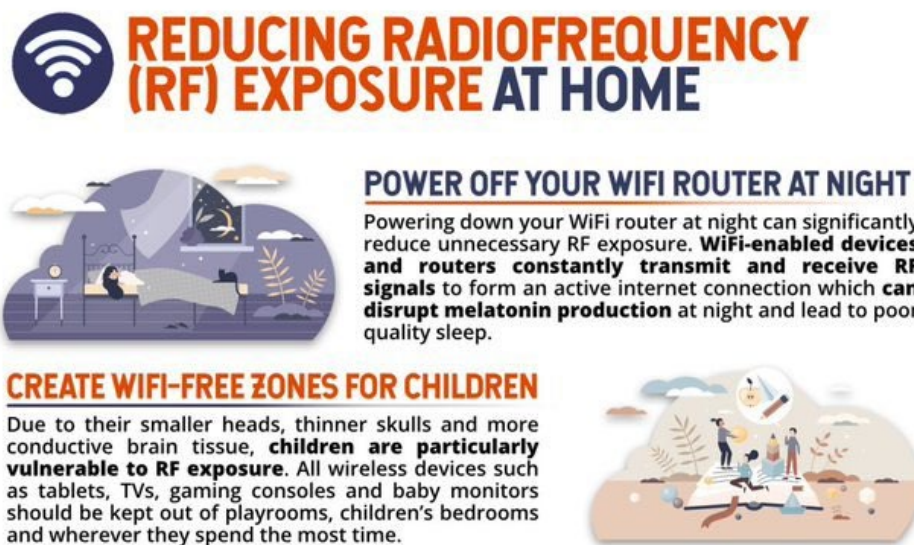
These presentations all urgently recommend that we fight for the application of the **precautionary principle**, particularly for children and young people. The ten point guide that Pedro Costa offers draws attention to the conflict of interests in industry and institutions which keep us within the cloud of electromagnetic pollution from which schools are not free.

Due to the greater vulnerability of children and young people in the electromagnetic fields, we have had **early warnings issued for several decades**, from scientific and professional institutes, telling us about the development of neurological and brain disorders due to early excessive exposure to screens.

We also find that early and addictive use of screens, apart from the direct influence of electromagnetic radiation, effects neurological and cerebral development, and greater vulnerability to the acquisition of addictive behaviour.

This 'invisible elephant' in the room, EMF, is proving increasingly to be one of the causes for the increase in chronic illnesses and behaviour problems in children. There are enough early warnings of risk for the immediate response of the *precautionary principle* for all children and young people in homes, nurseries and schools.

We are all at different stages in the radiation exposure lottery. Some know that EMFs are harmful. Many are unwell but don't know that EMFs are causing illness. Others are still well but oblivious to the accumulative nature of wireless radiation. This generation of children are in the 'at risk' group and need those who know to protest, resist and warn, to ensure that this generation are not incapacitated, and grow up healthy and able to fulfil their precious life potential.



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Thank you to Danish Antoinette Janssen and her blog [Multerland](#) for creating awareness about EMF pollution. Also thank you to Russian Dr Oleg Grigoriev for his humanitarian sharing of scientific concern for the risks of EMF to babies, children and young people.

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12. **NOTE:** 30 students in a classroom, each with their personal laptops that connects wirelessly to the WiFi Router. That's 31 WiFi Transmitters in total not ONE. All next to each other. You have a CLOUD. A RADIATION CLOUD.

Building Biology precautionary guidelines (SBM 2015) for RF Radiation state:

- **No Concern at:** $< 0.1 \mu\text{W}/\text{m}^2$
- **Slight Concern at:** $0.1 - 10 \mu\text{W}/\text{m}^2$
- **Severe Concern at:** $10 - 1,000 \mu\text{W}/\text{m}^2$
- **Extreme Concern at:** $> 1,000 \mu\text{W}/\text{m}^2$ Imagine what happens to those kids who sit in that RADIATION CLOUD with a power density of $>60,000 \mu\text{W}/\text{m}^2$ for hours.