

The 5G appeal

Scientists and doctors call for a moratorium on the roll-out of 5G. 5G will substantially increase exposure to radiofrequency electromagnetic fields RF-EMF, that has been proven to be harmful for humans and the environment.



Request for a moratorium on the 5G rollout Request for guidelines based on independent research Request for your documents showing that 5G is safe

Dear Dr. Karmenu Vella, EU Commissioner of Environment

cc: National Ministers of Environment, Wildlife Conservation Society, World Wildlife Fund,
The Nature Conservancy (europa@tnc.org), Greenpeace

We make reference to the Precautionary Principle (PP)¹ It *"enables a rapid response to be given in the face of a possible danger to human health...institutions may take protective measures without having to wait until the reality... of risks become apparent ... preventive action should be taken"* (C-157/96 ; C-180/96, 99-100).² Research confirms 5G to be a risk to all life on earth.

With this communication we touch upon three points:

1. Firstly, we request in the 5G Appeal to EU,³ of which you are a public servant and representative, to declare an immediate **moratorium** on 5G deployment. Many cities and regions in Europe and USA have already done so⁴. The 5G appeal to EU is now confirmed by 230+ truly independent scientists and physicians from 36 countries. The Space 5G appeal⁵ has more than 83 000 affirmations from 168 countries. According to PP¹ and EU IP/00/96⁶ *"protection of health takes precedence over economic considerations."*
2. Secondly, we ask for groups of truly industry-independent researchers to establish **new guidelines for exposure**. An "In-depth analysis" of the deployment of 5G⁷ published by EU in April 2019, needs to be seriously considered. It stated that *"One aspect, for example, that is not well understood today is the unpredictable propagation patterns that could result in unacceptable levels of human exposure to electromagnetic radiation."*(p. 6).

There are published reviews⁸ showing that pulsed EMFs as 5G, are in most cases much more biologically active than are continuous waves (non-pulsed) EMFs of the same average intensities. When the intensities of these pulses are averaged over a 6 minute period, as in the 2013 EU/ICNIRP guidelines,⁹ these guidelines claim that there cannot be any effects because the intensity averaged over 6 minutes is too low. It follows from this that the EU and similar safety guidelines are deeply flawed in their ability to protect against effects produced by short strong pulses. 5G is designed to be extraordinarily highly pulsed¹⁰ in order to carry very large amounts of information per second. Consequently, this aspect adds to other evidence that 5G will be potentially much more dangerous and that the EU/ICNIRP guidelines are not protective.

The EMF Scientists Appeal¹¹ calls for greater health protection from EMF exposure. Professor Emeritus Martin L. Pall describes in his report¹² that ICNIRP and SCENIHR deny scientific facts. ICNIRP has only 13 members¹³, some with obvious conflicts of interest, in contrast to the 5G appeal with 230+ endorsements³ and the EMF Scientists Appeal¹¹ endorsed by 247 truly independent EMF and health scientists. According to (Art. 191)¹⁴ the Precautionary Principle¹ as stated in the TFUE (Art. 114, 3:)¹⁵ *"take as a base a high level of protection, taking account in particular of any new development based on scientific facts"* and (Art 168:)¹⁶ *"A high level of human health protection shall be ensured ... promoting research into ... prevention, as well as health information and education, and early warning of...threats to health ... in particular initiatives aiming at the establishment of guidelines"*. That process should start with a scientific evaluation 'as complete as possible'."

(Handbook of EEA Law, page 843).¹⁶ Council of Europe Resolution 1815¹⁷ (8.2.1) suggests, based on extensive research, guidelines of 0.6 V/m or preferably 0.2 V/m, about 1/100 of the current guidelines.

3. Thirdly, with this letter we are formally requesting, in accordance with Art. 42¹⁸ on EU Fundamental Rights, **access to all documents** in your possession, either created by you or at your disposal, related to the effects of EMF to human health and the environment. Once in possession of such a list, we will decide which of those documents, if any, are of interest and show that 5G is safe. The list of the documents, and the ways to access them, should be sent to the email addresses below.

We note that, while the EU is eagerly promoting the rollout of 5G, a new EU report admits⁷ *“the problem is that currently it is not possible to accurately simulate or measure 5G emissions in the real world”* (p. 12). *“Significant concern is emerging over the possible impact on health and safety arising from potentially much higher exposure to radiofrequency electromagnetic radiation arising from 5G”* (p. 4). The EU report also stresses dangers: *“Increased exposure may result not only from the use of much higher frequencies in 5G but also from the potential for the aggregation of different signals, their dynamic nature, and the complex interference effects that may result, especially in dense urban areas.”* (p. 11)

We wish to inform the Commissioner that, we will consider litigation in all competent courts, if inevitable, to enforce our rights in case you do not entirely meet our requests. We expect a reply to this letter and the 5G Appeal to EU³ (see suggestions p. 3) by the **deadline of 19 June 2019**, to be provided personally by the Commissioner and not by your staff. This issue is too urgent and the threat to all living organisms on this planet is too great for this issue to be ignored and/or delegated to subordinates. All communications on this issue will be publicly available.

Vasa and Örebro, 19 May 2019

Yours sincerely,

Rainer Nyberg

NRNyberg@abo.fi

EdD, MPs, professor emeritus, Vasa, Finland

Lennart Hardell

lennart.hardell@environmentandcaner.com

MD, PhD, oncologist, Örebro, Sweden

1. The precautionary Principle (<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=LEGIS-SUM:I32042>)
2. InfoCuria - Case-law of the Court of Justice (<http://curia.europa.eu/juris/document/document.jsf?text=&docid=43817&doclang=EN>)
3. www.5gappeal.eu
4. See Attachment 1. Many European and US cities/regions stop 5G because they wait for research to be done.
5. www.5gspaceappeal.org/
6. Commission adopts Communication on Precautionary Principle (http://europa.eu/rapid/press-release_IP-00-96_en.htm)
7. 5G Deployment ([http://www.europarl.europa.eu/Reg-Data/etudes/IDAN/2019/631060/IPOL_IDA\(2019\)631060_EN.pdf](http://www.europarl.europa.eu/Reg-Data/etudes/IDAN/2019/631060/IPOL_IDA(2019)631060_EN.pdf))
8. Pall M. (<https://www.degruyter.com/view/j/reveh.2015.30.issue-2/reveh-2015-0001/reveh-2015-0001.xml>)
9. DIRECTIVE 2013/35/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (<https://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2013:179:0001:0021:EN:PDF>)
10. Wu T et al ([https://www.ncbi.nlm.nih.gov/pubmed?term=%22IEEE+Microw+Mag%22\[jour\]](https://www.ncbi.nlm.nih.gov/pubmed?term=%22IEEE+Microw+Mag%22[jour]))
11. <https://www.emfscientist.org/>
12. Pall M. Response to 2018 ICNIRP Draft Guidelines and Appendices on Limiting Exposure to Time-Varying Electric, Magnetic and Electromagnetic Fields (100 kHz to 300 GHz) (http://www.5gappeal.eu/wp-content/uploads/2018/10/icnirp_2018_pall.pdf)
13. <https://www.icnirp.org/en/about-icnirp/commission/index.htm>
14. EUR-Lex (<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=celex:12016E191>)

15. Official Journal of the European Union (<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=OJ:C:2016:202:FULL&from=EN>)
16. The Handbook of EEA Law (<https://www.springer.com/us/book/9783319243412>)
17. Resolution 1815. <https://assembly.coe.int/nw/xml/XRef/Xref-XML2HTML-en.asp?fileid=17994>
18. Right of access to documents. https://ec.europa.eu/info/aid-development-cooperation-fundamental-rights/your-rights-eu/know-your-rights/citizens-rights/right-access-documents_en

Attachment 1

Many European and US cities/regions stop 5G because they wait for research to be done.

UK , 14 December 2018:	UK-based microwave weapons expert Barrie Trower reports that 17 mystery countries are taking steps to avoid getting 5G.
US , 6 February 2019:	US Senator Blumenthal definitively establishes that no safety studies have been done on 5G. At least 21 US cities/regions have passed ordinances restricting “small cell” installation. Many are charging “recertification fees” to make it unprofitable for the wireless industry.
US , 24 March 2019:	Portland Oregon city officials state clear opposition to the installation of 5G networks around the city, supported by the mayor and two commissioners.
Italy , 28 March 2019:	Florence applies the precautionary principle , refusing permissions for 5G and referring to “the ambiguity and the uncertainty of supranational bodies and private bodies (like ICNIRP)”, which “have very different positions from each other, despite the huge evidence of published studies”.
Italy , 28 March 2019:	One Roman district votes against 5G trials , with others expected to follow. Other motions to Stop 5G are expected in the four regional councils, one provincial council and other municipal councils of Italy.
Russia , 28 March 2019:	The Russian Ministry of Defense refuses to transfer frequencies for 5G , which effectively delays any 5G rollout there for several years.
Belgium , 31 March 2019:	The Belgian Environment Minister announces that Brussels is halting its 5G rollout plans , saying, “The people of Brussels are not guinea pigs whose health I can sell at a profit.”
Germany , 4 April 2019:	Germans sign a petition en masse to force the German Bundestag to debate 5G .
Netherlands , 4 April 2019:	Members of Parliament in the Netherlands insist that radiation research must be carried out before any approval of the 5G network.
USA , 5 April 2019:	California Supreme Court Justices unanimously uphold a 2011 San Francisco ordinance requiring telecommunications companies to get permits before placing antennas on city infrastructure.

Switzerland , 9 April 2019:	The Canton of Vaud adopts a resolution calling for a moratorium on 5G antennas until the publication this summer of a report on 5G by the Swiss Federal Office for the Environment.
Switzerland , 10 April 2019:	Geneva adopts a motion for a moratorium on 5G , calling on the Council of State to request WHO to monitor independent scientific studies to determine the harmful effects of 5G.