

# 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](mailto:europa@tnc.org)), Greenpeace

We make reference to the Precautionary Principle (PP)<sup>1</sup> 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).<sup>2</sup> 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,<sup>3</sup> of which you are a public servant and representative, to declare an immediate **moratorium** on 5G deployment. The 5G appeal to EU is now confirmed by 230+ truly independent scientists and physicians from 36 countries. The Space 5G appeal<sup>4</sup> has more than 83 000 affirmations from 168 countries. According to PP<sup>1</sup> and EU IP/00/96<sup>5</sup> *"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 5G,<sup>6</sup> 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 reviews<sup>7</sup> 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 ICNIRP and the 2013 EU guidelines,<sup>8</sup> 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 guidelines are flawed in their ability to protect against effects produced by short strong pulses.

The EMF Scientists Appeal<sup>9</sup> calls for greater health protection from EMF exposure. Professor Emeritus Martin L. Pall describes in his report<sup>10</sup> that ICNIRP and SCENIHR deny scientific facts. ICNIRP has only a rather limited number of members<sup>11</sup>, some with obvious conflicts of interest, in contrast to the 5G appeal with 230+ endorsements<sup>3</sup> and the EMF Scientists Appeal<sup>9</sup> endorsed by 247 truly independent EMF and health scientists. According to (Art. 191)<sup>12</sup> the Precautionary Principle<sup>1</sup> as stated in the TFUE (Art. 114, 3:)<sup>13</sup> *"take as a base a high level of protection, taking account in particular of any new development based on scientific facts"* and (Art 168:)<sup>14</sup> *"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'.<sup>14</sup> (Handbook of EEA Law, page 843).<sup>14</sup> Council of Europe Resolution 1815<sup>15</sup> (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. 42<sup>16</sup> 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 admits<sup>6</sup> *“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 EU<sup>3</sup> (see suggestions p. 3) by the **deadline of 20 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, Finland and Örebro, Sweden 20 May 2019

Yours sincerely,

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1. The precautionary Principle (<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=LEGISSUM:l32042>)
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](http://www.5gappeal.eu)
4. [www.5gspaceappeal.org/](http://www.5gspaceappeal.org/)
5. Commission adopts Communication on Precautionary Principle ([http://europa.eu/rapid/press-release\\_IP-00-96\\_en.htm](http://europa.eu/rapid/press-release_IP-00-96_en.htm))
6. 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))
7. Pall M. (<https://www.degruyter.com/view/j/reveh.2015.30.issue-2/reveh-2015-0001/reveh-2015-0001.xml>)
8. 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>)
9. <https://www.emfscientist.org/>
10. 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](http://www.5gappeal.eu/wp-content/uploads/2018/10/icnirp_2018_pall.pdf))
11. <https://www.icnirp.org/en/about-icnirp/commission/index.htm>
12. EUR-Lex (<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=celex:12016E191>)
13. Official Journal of the European Union (<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=OJ:C:2016:202:FULL&from=EN>)
14. The Handbook of EEA Law (<https://www.springer.com/us/book/9783319243412>)
15. Resolution 1815. <https://assembly.coe.int/nw/xml/XRef/Xref-XML2HTML-en.asp?fileid=17994>
16. 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](https://ec.europa.eu/info/aid-development-cooperation-fundamental-rights/your-rights-eu/know-your-rights/citizens-rights/right-access-documents_en)