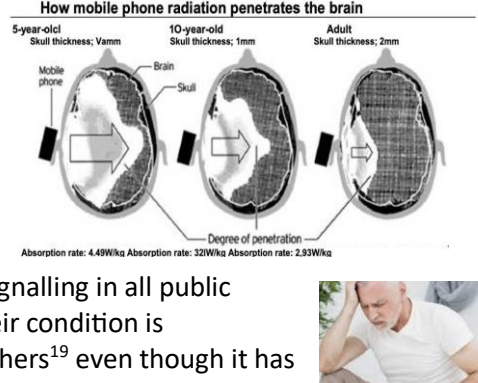
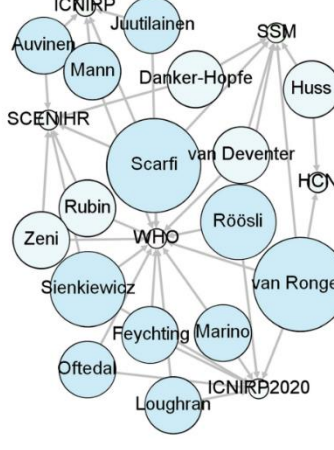


**Understanding the link between wireless technologies and health**

1		<p>Electrical impulses are essential for all life forces used in the bodies of humans and animals and used across the planet in nature and the weather. They are delicately balanced and often subtle in strength, but without them, life cannot continue<sup>1</sup>.</p>																																																																		
2	<p>Light is part of the electromagnetic spectrum, and so are microwave signals used in telecommunications. However, these are man-made signals which are not found naturally in the earth's environment<sup>2</sup>. Microwave wavelengths are maximally absorbed by humans, animals, insects and trees.</p>																																																																			
3		<p>Microwave signals used in telecommunications are found in the 'non-ionising' part of the electromagnetic spectrum, which goes from visible light down to radio waves.</p> <p>Non-ionising waves can interact badly with our bodies; for example, too much ultraviolet (UV) radiation causes sunburn<sup>3</sup>.</p> <p>5G millimetre waves sit next to infrared light, which penetrates the skin into nerves and tissue and can help heal the body in small doses. However, at the longer 24/7 exposures of today, 5G beams may damage skin, organs and the nervous system<sup>4,5</sup>; see 5G expert opinion video <a href="#">here</a>.</p>																																																																		
4	<p>Non-ionising waves are used for 3G, 4G and 5G wireless. They are complex, spiked and pulsed.</p> <p>They impact the body and cause many bioeffects, including many current health conditions based on oxidative stress such as heart disease, immune disorders, sleep and mood disorders, migraines, damage to sperm and ovaries and DNA damage, a precursor for cancer<sup>6,7</sup>. There are hundreds of published experiments showing many types of negative effects on human physiology from everyday wireless signals<sup>8</sup> (see ORSAA videos and podcasts overviewing the science <a href="#">here</a>). Most concerning are the effects on children's mental and emotional well-being<sup>9</sup>.</p>	<table border="1"> <thead> <tr> <th>Effects / changes / disruptions</th> <th>Number of papers</th> </tr> </thead> <tbody> <tr><td>Altered enzyme activity / Protein...</td><td>102</td></tr> <tr><td>Biochemical changes</td><td>100</td></tr> <tr><td>Oxidative stress / ROS / Free radicals</td><td>79</td></tr> <tr><td>Cell function / Morphology</td><td>59</td></tr> <tr><td>Sperm / Testicular</td><td>40</td></tr> <tr><td>DNA damage / Mutagenic / Genotoxic</td><td>38</td></tr> <tr><td>Neurobehavioural/Cognitive</td><td>33</td></tr> <tr><td>Altered gene expression</td><td>29</td></tr> <tr><td>Haematological</td><td>27</td></tr> <tr><td>Cell apoptosis</td><td>24</td></tr> <tr><td>EEG / Brainwaves</td><td>24</td></tr> <tr><td>Immune system</td><td>21</td></tr> <tr><td>Endocrine / Hormonal</td><td>20</td></tr> <tr><td>Thyroid</td><td>20</td></tr> <tr><td>Brain development /...</td><td>19</td></tr> <tr><td>Liver</td><td>11</td></tr> <tr><td>Memory Impairment</td><td>11</td></tr> <tr><td>Cardiovascular / Vascular</td><td>11</td></tr> <tr><td>Synergistic / Combinative</td><td>10</td></tr> <tr><td>Cellular stress</td><td>10</td></tr> <tr><td>Induced adaptive response</td><td>7</td></tr> <tr><td>Glucose level / metabolism</td><td>7</td></tr> <tr><td>Neurotransmitters</td><td>6</td></tr> <tr><td>Inflammation</td><td>6</td></tr> <tr><td>Mitochondria</td><td>4</td></tr> <tr><td>Visual / Ocular</td><td>4</td></tr> <tr><td>Blood brain barrier</td><td>4</td></tr> <tr><td>Tumour promotion</td><td>3</td></tr> <tr><td>Calcium influx / Efflux</td><td>2</td></tr> <tr><td>Circadian rhythm disrupt'n</td><td>2</td></tr> <tr><td>Headaches / Migraines</td><td>2</td></tr> <tr><td>Fatigue</td><td>2</td></tr> </tbody> </table>	Effects / changes / disruptions	Number of papers	Altered enzyme activity / Protein...	102	Biochemical changes	100	Oxidative stress / ROS / Free radicals	79	Cell function / Morphology	59	Sperm / Testicular	40	DNA damage / Mutagenic / Genotoxic	38	Neurobehavioural/Cognitive	33	Altered gene expression	29	Haematological	27	Cell apoptosis	24	EEG / Brainwaves	24	Immune system	21	Endocrine / Hormonal	20	Thyroid	20	Brain development /...	19	Liver	11	Memory Impairment	11	Cardiovascular / Vascular	11	Synergistic / Combinative	10	Cellular stress	10	Induced adaptive response	7	Glucose level / metabolism	7	Neurotransmitters	6	Inflammation	6	Mitochondria	4	Visual / Ocular	4	Blood brain barrier	4	Tumour promotion	3	Calcium influx / Efflux	2	Circadian rhythm disrupt'n	2	Headaches / Migraines	2	Fatigue	2
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5	<p>The Australian ARPANSA<sup>1</sup> guidelines for safety limits on exposures<sup>10</sup> use the International ICNIRP<sup>2</sup> limits on exposures<sup>11</sup>, which are set way too high because ICNIRP only admits to short term heating as important to health, and not to any other effects. Many biological effects on humans and wildlife have been found at levels lower than that than the ICNIRP limits<sup>12,13</sup>. ICNIRP / ARPANSA opinion is based on two experiments in the 1980s showing that at a certain level of heating from non-ionising radiation, rats and monkeys stopped pressing a bar for food<sup>14</sup>. These results give no indication of the effects of long term, real-world wireless signalling on human physiology. They are therefore irrelevant to users in the current world.</p>																																																																			

<sup>1</sup> Australian Radiation Protection and Nuclear Safety Agency <https://www.arpansa.gov.au/>

<sup>2</sup> International Commission on Non-Ionizing Radiation Protection <https://www.icnirp.org/>

<p>6</p>	<p>The ICNIRP guidelines ignore any consequences for sensitive, vulnerable populations, including:</p> <ul style="list-style-type: none"> <li>• Children, small adults and women who have a higher incidence of coupled electromagnetic energy deposited into their brains<sup>15,16</sup></li> <li>• The increase of autism, depression and anxiety in young people is linked to 24/7 wireless exposures, altering neurotransmitters and increasing brain inflammation<sup>9,17</sup>.</li> <li>• ElectroHyperSensitivie individuals who are effected by wireless signalling in all public places, with a significantly reduced quality of life<sup>18</sup>. Moreover, their condition is incorrectly labelled as psychosomatic by industry-friendly researchers<sup>19</sup> even though it has been recognised in workers compensation cases<sup>20</sup>.</li> </ul>	<p><b>How mobile phone radiation penetrates the brain</b></p> 
<p>7</p>	<p>The telecommunications industry and ARPANSA continue to use the inaccurate and outdated ICNIRP guidelines to its advantage. ICNIRP is a small <a href="#">self-referencing</a> private club of industry-friendly researchers with no relevant medical expertise and tainted by industry links. They are far from being an independent organisation<sup>21</sup>. There are many cross-links between industry-tainted scientists<sup>22</sup>, the WHO EMF project<sup>23</sup>, ICNIRP and national regulatory bodies<sup>24</sup> (see diagrams to right and below) <a href="#">Investigate Europe</a>, an independent media group concluded major conflicts of Interest among ICNIRP members<sup>24</sup>. EU parliamentarians<sup>25</sup>, and the court of Turin<sup>26</sup> have declared the ICNIRP position to be compromised and unreliable. In spite of this, ICNIRP guidelines are supported by ARPANSA and are used to govern levels of exposure allowed for the Australian public, effectively giving carte-blanche to the telcos, energy companies, and ACMA.</p>	

**Why have you not heard about this?**

<p>8</p>	<p><b>Cover up by compromised science and regulatory bodies</b></p> <p>The science of harm from wireless (microwave) signals has been covered up for 50 years, similar to smoking. The 'science of doubt' has been delivered in the service of members of international mobile telecommunications associations. Well-positioned, industry-supported researchers have delivered ineffective information, omitting known health risks, to government, policy makers and the public.</p> <p>e.g. Ericsson Sweden which develops Telecommunication equipment had staff members in the 1990s who became Electrohypersensitivity (EHS), including the brilliant Swedish engineer Per Segerback <a href="#">Ericsson made accommodation for the condition</a> so these valued workers could continue working<sup>27</sup>.</p> <p>e.g. Australian CSIRO scientist David McDonald became electrosensitive at work, and was awarded compensation by the Administrative Appeals Tribunal of Australia in 2013<sup>28</sup></p> <p>e.g. Currently, many mobile phone models (including Samsung and iPhone) emit signals that heat the brain higher than the ICNIRP standards (which are already way too high). This scandal has been known of since 2016, yet covered up<sup>29,30</sup>. Industry continues to sell phones that violate ICNIRP, and governments continue to turn a blind eye to this fact. Thus, the brains of millions of users around the world are being exposed to dangerously high levels of microwave radiation 24/7 year after year.</p> <p>The coverup situation has allowed the rollout of 5G to occur with zero scrutiny from government and policy makers<sup>31</sup>. This was admitted to by the Telcos in the US Senate Inquiry<sup>32</sup>.</p> <p>Ever since DNA damage from mobile phones was found in the late 1990s, the telecommunications industry, in their own words, has been '<a href="#">war-gaming the science</a>'. Several Australians have been pivotal in this cover up and the promotion of industry friendly advice<sup>33-36</sup>.</p> <p>Altogether, this coverup and the resultant profiteering of the wireless industry is a scandal as big as the cover up regarding several harmful substances created by chemical and pharmaceutical companies.</p>
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9 **Compromise and greenwashing in government**

The recent [5G parliament inquiry](#) did not cover health as an issue. In spite of this, 85% of the 538 submissions expressed concerns about health effects. While this inquiry was still in progress, the Australian Federal Minister for Communications, Cyber Safety and the Arts, approved [nine million dollars in taxpayer funds](#) to counter 'misinformation about 5G'.

Several parliamentary members of the 5G Inquiry hold shares in the wireless industry.

**Government is beholden to industry** due to the huge funding coming from telecommunications (millions per year in revenue from ACMA licensing).

**Government is bedazzled by greenwashing and other promises.** The 5G rollout is about profit and convenience, but politicians have been coerced via a 'richer, healthier and smarter' and 'green washing' spin strategy. The opposite is true<sup>13</sup>:

- 5G millimetre signals do not travel far and thus require 'line of sight', meaning many more towers and antennas on street poles. To power all of this infrastructure, the 5G rollout uses 10 times more energy than previous technologies or wired solutions (admitted to by industry<sup>13</sup>).
- Rolling out 5G for 'green' reasons has created a hypocrisy in government policy that violates all current calls for reducing energy consumption. Users are paying the bill as energy process soar without the real explanation being given.
- There is a lack of safe 'White zones' for those peoples whose [health is affected by wireless radiation](#)<sup>37</sup>.

**Better solutions for connectivity exist**, but are so far ignored; e.g., wired connectivity is faster, more reliable and much more energy efficient<sup>6,38,39</sup>, and smart meters only need to be read once a quarter rather than taking data many times a day<sup>13</sup>.

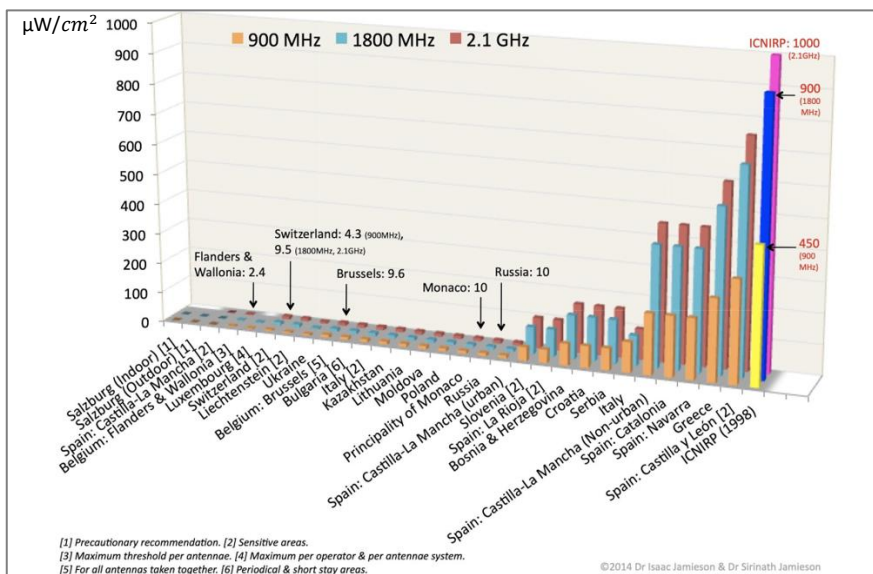
10 Industry, ICNIRP and ARPANSA argue that we need to wait for 'conclusive evidence'. However, this level of certainly is only relevant to science, not to policy makers who need to focus on mitigating risks<sup>40</sup>.

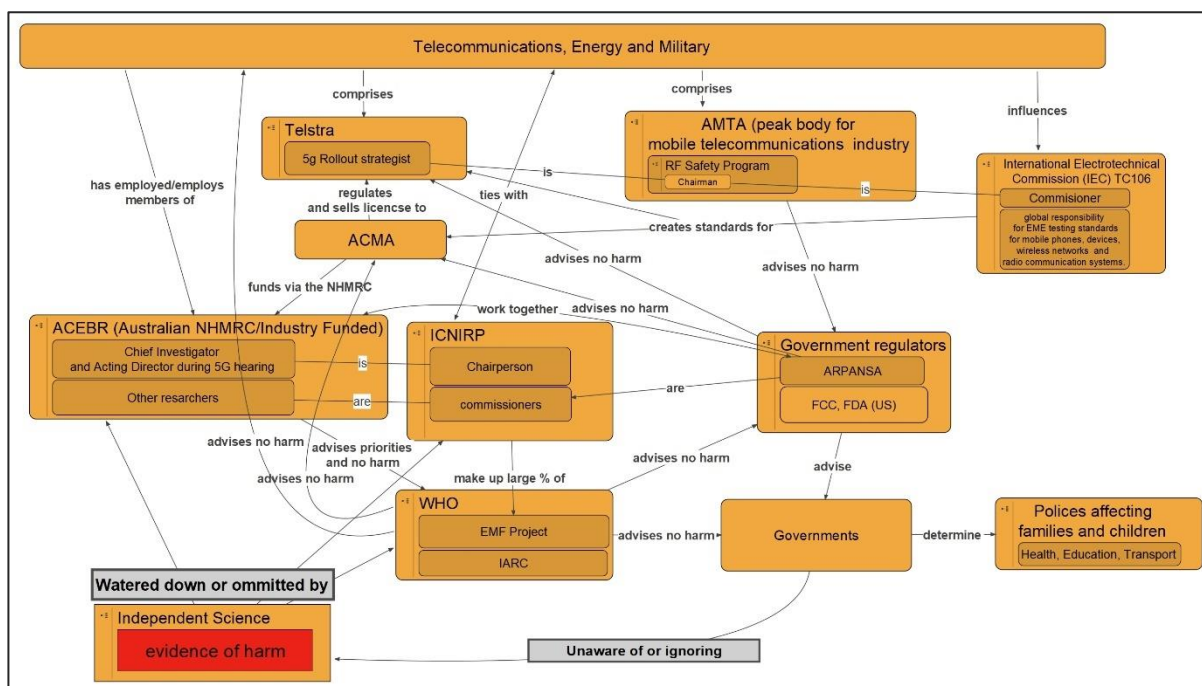
Australia needs to take action to risk manage continuous wireless radiation exposures, just like it has done in the past with ionising radiation used by the nuclear industry.

Many other countries have lowered their exposure limits (see below).

In Australia, government needs to do its job rather than letting industry dictate the terms.

Most of the recommendations of the Australian 2001 senate inquiry into this issue<sup>41</sup> have not been adopted, including educating parents and children about harmful effects, giving communities and councils input into placement of towers, establishing an independent body that sets standards (i.e. not ACMA or ARPANSA), funding priorities for research to be based on a register of complaints about harmful effects, and wider buffer zones for powerlines.





**The interconnectedness of industry and government advisory bodies nationally and internationally**

**References**

1. Becker RO, Marino AA. *Electromagnetism and life*. vol 124. State University of New York Press Albany; 1982. [https://www.aipro.info/wp/wp-content/uploads/2017/08/ELECTROMAGNETISM\\_AND\\_LIFE.pdf](https://www.aipro.info/wp/wp-content/uploads/2017/08/ELECTROMAGNETISM_AND_LIFE.pdf)
2. Bandara P, Carpenter DO. Planetary electromagnetic pollution: it is time to assess its impact. *The Lancet Planetary Health*. 2018;2(12):e512-e514. [https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196\(18\)30221-3/fulltext](https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196(18)30221-3/fulltext)
3. Lipsky ZW, German GK. Ultraviolet light degrades the mechanical and structural properties of human stratum corneum. *Journal of the mechanical behavior of biomedical materials*. 2019;100:103391. doi:DOI: 10.1016/j.jmbbm.2019.103391.
4. Grigoriev YG. Frequencies used in Telecommunications An Integrated Radiobiological Assessment (translated by ORSAA). 2022; <https://www.orsaa.org/orsaa-research-papers---part-2.html>
5. Kostoff RN, Heroux P, Aschner M, Tsatsakis A. Adverse health effects of 5G mobile networking technology under real-life conditions. *Toxicology Letters*. 2020;323:35-40. <https://doi.org/10.1016/j.toxlet.2020.01.020>
6. EPRS/STOA report: Health impact of 5G, Study for the Panel for the Future of Science and Technology (European Parliamentary Research Service, Scientific Foresight Unit) (2021). [https://www.europarl.europa.eu/RegData/etudes/STUD/2021/690012/EPRS\\_STU\(2021\)690012\\_EN.pdf](https://www.europarl.europa.eu/RegData/etudes/STUD/2021/690012/EPRS_STU(2021)690012_EN.pdf)
7. National Toxicology Program. Toxicology and carcinogenesis studies in Sprague Dawley (Hsd: Sprague Dawley SD) rats exposed to whole-body radio frequency radiation at a frequency (900 MHz) and modulations (GSM and CDMA) used by cell phones. *National Toxicology Program Technical Report Series*. 2018;(595) <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8039879/>
8. McCredden JE, Cook N, Weller S, Leach V. Wireless technology is an environmental stressor requiring new understanding and approaches in health care. *Frontiers in Public Health*. 2022;10:4893. <https://www.frontiersin.org/articles/10.3389/fpubh.2022.986315/full>
9. Davis D, Birnbaum L, Ben-Ishai P, et al. Wireless technologies, non-ionizing electromagnetic fields and children: Identifying and reducing health risks. *Current Problems in Pediatric and Adolescent Health Care*. 2023;101374. doi:10.1016/j.cpped.2023.5 3:101374. <https://www.sciencedirect.com/science/article/pii/S1538544223000238>

[www.orsaa.org](http://www.orsaa.org)

10. Australian Radiation Protection and Nuclear Safety Agency (ARPANSA). Radiation Protection Standard for Limiting Exposure to Radiofrequency Fields —100 kHz to 300 GHz. 2021. .  
2021;[https://www.arpansa.gov.au/sites/default/files/rps\\_s-1.pdf](https://www.arpansa.gov.au/sites/default/files/rps_s-1.pdf)
11. International Commission on Non-Ionizing Radiation Protection. Guidelines for limiting exposure to Electromagnetic Fields (100 kHz to 300 GHz). *Health Physics*. 2020;118(5):483-524.  
doi:doi:10.1097/HP.0000000000001210 [https://journals.lww.com/health-physics/fulltext/2020/05000/guidelines\\_for\\_limiting\\_exposure\\_to.2.aspx](https://journals.lww.com/health-physics/fulltext/2020/05000/guidelines_for_limiting_exposure_to.2.aspx)
12. International Commission on the Biological Effects of Electromagnetic Fields (ICBE-EMF). Scientific evidence invalidates health assumptions underlying the FCC and ICNIRP exposure limit determinations for radiofrequency radiation: implications for 5G. *Environmental Health*. 2022;21(92)doi:<https://doi.org/10.1186/s12940-022-00900-9>.  
<https://ehjournal.biomedcentral.com/articles/10.1186/s12940-022-00900-9>
13. Nyberg NR, McCredden JE, Weller SG, Hardell L. The European Union prioritises economics over health in the rollout of radiofrequency technologies. *Reviews on Environmental Health*. 2022;doi:doi.org/10.1515/reveh-2022-0106. <https://www.degruyter.com/document/doi/10.1515/reveh-2022-0106/html>
14. Lai H, Levitt BB. The roles of intensity, exposure duration, and modulation on the biological effects of radiofrequency radiation and exposure guidelines. *Electromagnetic biology and medicine*. 2022;41(2):230-255.
15. Gandhi OP, Morgan LL, De Salles AA, Han Y-Y, Herberman RB, Davis DL. Exposure limits: the underestimation of absorbed cell phone radiation, especially in children. *Electromagnetic biology and medicine*. 2012;31(1):34-51.
16. Gandhi OP, Lazzi G, Furse CM. Electromagnetic Absorption in the Human Head and Neck for Mobile Telephones at 835 and 1900 MHz. *IEEE transactions on microwave theory and techniques*. 1996;44(10):1884-1897.  
<https://core.ac.uk/download/pdf/276285064.pdf>
17. Herbert MR, Sage C. Autism and EMF? Plausibility of a pathophysiological link part II. *Pathophysiology*. 2013;20(3):211-234. <https://www.marthaherbert.org/library/Herbert-Sage-2013-Autism-EMF-PlausibilityPathophysiologicalLink-Part21.pdf>
18. Hedendahl L, Carlberg M, Hardell L. Electromagnetic hypersensitivity—an increasing challenge to the medical profession. *Reviews on environmental health*. 2015;30(4):209-215.
19. Dieudonné M. Electromagnetic hypersensitivity: a critical review of explanatory hypotheses. *Environmental Health*. 2020;19(1):1-12. <https://ehjournal.biomedcentral.com/articles/10.1186/s12940-020-00602-0>
20. Early ill-health retirement' and 'Employment Support Allowance' awarded on the basis of Electromagnetic Hypersensitivity (EHS) - Further detail Press Release. 2022. <https://phiremedical.org/wp-content/uploads/2022/08/Press-Release-EHS-Social-Worker-granted-long-term-ill-health-pension-UK-Named-further-detail-included.pdf>
21. Nordhagen EK, Flydal E. Self-referencing authorships behind the ICNIRP 2020 radiation protection guidelines. *Reviews on environmental health*. 2022;June<https://www.degruyter.com/document/doi/10.1515/reveh-2022-0037/html>
22. Flydal E. Head of Swiss Radiation Protection Committee accused of 5G-swindle. Nordic countries deceived, too. [https://einarflydal.com/wp-content/uploads/2020/02/Einar-Flydal-The-Accusations-against-R%C3%B6%C3%B6li-and-the-BERENIS-20200220\\_v-3.pdf](https://einarflydal.com/wp-content/uploads/2020/02/Einar-Flydal-The-Accusations-against-R%C3%B6%C3%B6li-and-the-BERENIS-20200220_v-3.pdf)
23. Mercer D. The WHO EMF project: legitimating the imaginary of global harmonization of EMF safety standards. *Engaging Science, Technology, and Society*. 2016;2:88-105.  
<https://estsjournal.org/index.php/ests/article/download/41/33/>
24. Investigate Europe. The 5G mass experiment. How much is safe? <https://www.investigate-europe.eu/en/2019/how-much-is-safe/>
25. Buchner K, Rivasi M. The International Commission on Non-Ionizing Radiation Protection: Conflicts of interest, corporate capture and the push for 5G. 2020.
26. The Court of Appeal of Turin. Romeo v. INAIL the decision of the Tribunal of Ivrea of 2017. 2020.
27. Npo 2Doc documentaries. Ubiquity, Season 7, Episode 132. [https://www.npostart.nl/2doc/22-10-2018/VPWON\\_1273569](https://www.npostart.nl/2doc/22-10-2018/VPWON_1273569) (Dutch-English: The English part starts at the 5-minute mark and goes for about 10 minutes)
28. Administrative Appeals Tribunal of Australia. Dr Alexander McDonald and Comcare, File numbers 2011/0031, 2011/5355 & 2012/2826. Australia 2013.
29. Arazi M. *Phonegate. Overexposed and deceived: What the cell phone industry doesn't want you to know (Eng. translation by Regan Kramer)*. Massot Editions; 2020.

[www.orsaa.org](http://www.orsaa.org)

30. Arazi M, Davis DL. *Background and facts documenting PhoneGate and our call for congressional action. Phonegate and the Environmental Health Trust*. 2020.  
[https://ecfsapi.fcc.gov/file/10728122779746/Background%20and%20Facts%20on%20PhoneGate%20\(1\).pdf](https://ecfsapi.fcc.gov/file/10728122779746/Background%20and%20Facts%20on%20PhoneGate%20(1).pdf)
31. Investigate Europe. The 5G mass experiment. Big Promises, unknown risks.  
<https://www.youtube.com/watch?v=JKaoLxw0qJI>
32. Senator Richard Blumenthal. Flying Blind” on the Health Effects of 5G Wireless Technology Confirmed at US Senate Hearing After Senator Blumenthal Questions Industry (Video and press release reposted by EHTrust).  
<https://ehtrust.org/health-effects-of-5g-wireless-technology-confirmed-at-us-senate-hearing-after-senator-blumenthal-questions-industry/>
33. Scheidsteger K. Wargaming for Profit (English Version). Kompetenzinitiative e.V. <https://ehtrust.org/films-on-cell-phone-radiation-cell-towers-and-wireless/>
34. Slesin L. Motorola, Microwaves and DNA breaks: "War-gaming" the Lai-Singh experiments. *Microwave News*.  
<https://radio-waves.orange.com/en/radio-networks-and-antennas/5g/5g-and-health-mike-wood-chairman-international-electrotechnical-commission/>
35. Maisch DR. *The Procrustean Approach Setting Exposure Standards for Telecommunications Frequency Electromagnetic Radiation An examination of the manipulation of telecommunications standards by political, military, and industrial vested interests at the expense of public health protection*. University of Wollongong,; 2010.  
<https://ro.uow.edu.au/cgi/viewcontent.cgi?article=4148&context=theses>
36. Stop Smart Meters Australia. *The Telcos - Failing Regulation and Public Risk*. 2021.  
<https://stopsmartmeters.com.au/tag/telstra/>
37. Electrosensitivity: 'I didn't believe people had it, then it happened to me'.  
<https://www.bbc.com/news/av/stories-51281856>. <https://www.bbc.com/news/av/stories-51281856>
38. Héroux P, Belyaev I, Chamberlin K, et al. Cell Phone Radiation Exposure Limits and Engineering Solutions. *International Journal of Environmental Research and Public Health*. 2023;20(7):5398.  
<https://doi.org/10.3390/ijerph20075398>, <http://stopsmartmetersbc.com/wp-content/uploads/2020/08/Adverse-health-effects-of-5G-mobile-networking-technology-under-real-life-conditions-by-Ronald-N.-Kostoff-Paul-Heroux-Michael-Aschner-Aristides-Tsatsakis-Toxicology-Letters-January-25-2020.pdf>
39. Schoechle T. Re-Inventing Wires: The Future of Landlines and Networks. 2018;  
<https://electromagnetichealth.org/wp-content/uploads/2018/05/Wires.pdf>
40. Gee D. More or less precaution? In: Gee D, Grandjean P, Hansen SF, et al, eds. *Late lessons from early warnings: science, precaution, innovation*. EEA Report Vol. 2013 No. 1. European Environment Agency; 2013:675-701:chap 27. <http://www.eea.europa.eu/publications/late-lessons-2>
41. Inquiry into Electromagnetic Radiation (2001).  
[https://www.aph.gov.au/Parliamentary\\_Business/Committees/Senate/Environment\\_and\\_Communications/Completed\\_inquiries/1999-02/emr/report/index](https://www.aph.gov.au/Parliamentary_Business/Committees/Senate/Environment_and_Communications/Completed_inquiries/1999-02/emr/report/index)
42. Jamieson I. Electromagnetic hypersensitivity European Economic and Social Committee. Brussels, Belgium, November 4 2014;  
<https://www.eesc.europa.eu/resources/docs/dr-jamieson---revised-presentation.pdf>