



## Global Union Against Radiation Deployment from Space

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

Mr. Ban Ki-moon  
Secretary-General  
United Nations  
New York NY 10017

By email: [participate@whsummit.org](mailto:participate@whsummit.org)

3rd May, 2016

Dear Mr. Secretary-General,

RE: Humanitarian Conference

The **Global Union Against Radiation Deployment from Space (GUARDS)** applauds your new initiative, with the ideal to “aim high.”

Information we submit here for your consideration and Summit inclusion pertains to the health and welfare of all humanity, now and into the future. The issues, ubiquitous in our lives and receiving little attention, are the health and environmental impacts of global WiFi development. Starting this year, eight companies are planning to launch more than 11,000 satellites, drones, and lasers to provide comprehensive WiFi coverage from space. Additionally, Google’s Project Loon includes deployment of 200,000 high-altitude balloons at 62,500 feet, beginning in January 2016.

Our campaign against this development is based on three things:

- First, wireless connections and transmissions use **pulse-modulated microwave (MW) electromagnetic radiation** at low intensity levels. However, these have been shown by multiple peer-reviewed studies to cause serious adverse bioeffects – genetic, neurological, physiological and psychological damage (<http://www.mainecoalitiontostopsmartmeters.org/?p=1469>). This is a violation of the Nuremberg Code of Ethics and UN Declaration of Human Rights. One hundred million persons who have already become radiation sensitive will needlessly suffer and more will become so, increasing the number of people displaced and harmed by wireless radiation. Numerous references and details about the rights violations are contained in the Objection to Google, Inc.’s License Application filed with the FCC by GUARDS ([https://apps.fcc.gov/els/GetAtt.html?id=170563&x=.](https://apps.fcc.gov/els/GetAtt.html?id=170563&x=;)).

Biological effects of radiofrequency radiation (RFR) from wireless technology have been extensively covered by the 1,500-page BioInitiative Report on RFR/MW health effects, published in 2012. (Microwave radiation is part of the radiofrequency spectrum.) The authors are 29 scientists from 10 countries. They reviewed thousands of studies showing interference with chemical processes in the body, implicating RFR/MW in the above-mentioned adverse health effects (<http://www.bioinitiative.org/>).

The importance of this issue has been demonstrated recently by the **Argentinian government**. Several legislators introduced a bill severely limiting public exposure to wireless radiation. It was further demonstrated by **Haifa**, Israel ordering removal of WiFi from schools and replacement with wired connections. This followed a documentary exposing the suffering of students and teachers from WiFi (<http://reshet.tv/Shows/specialsreshet/vml,315/> or, for English subtitles, <https://www.youtube.com/watch?v=bpJsIWuV-PA&feature=youtu.be>).

- Second, not only will wireless access to the internet NOT guarantee wealth in remote or undeveloped regions, mining coltan needed for wireless devices has contributed to and continues contributing to violence, abject poverty and pollution in central Africa (<http://www.aspistrategist.org.au/the-conflict-mineral-coltan-mining-in-dr-congo-and-australia/>).
- Third, most global wireless deployment plans require substantially increasing the number of annual rocket launches. Both common types of rocket exhaust are detrimental to the environment. Solid rocket fuels release ozone-destroying chemicals that will wreak havoc on our already disappearing ozone layer, and kerosene fueled rockets release black carbon, which can accelerate climate change. For details go to: <http://www.stopglobalwifi.org/>. Increased rocket launches required to support global wireless would, therefore, accelerate climate change and contribute to humanitarian suffering, endangering the lives of those living in low-lying areas such as the Pacific region and the Maldives – creating, over time, countless environmental refugees. Northern populations dependent on sea and river ice are already suffering as well.

In 2015, 220 scientists from more than 41 nations submitted the *International EMF Scientist Appeal* to the United Nations, UN member states and the World Health Organization (WHO). The scientists request agencies, states and institutions adopt more protective exposure guidelines for electromagnetic fields (EMF) and wireless technology in the face of increasing evidence of risk from this rapidly increasing environmental pollutant: <http://www.iemfa.org/emf-scientist-appeal-to-the-united-nations/>. Scientists never make such requests lightly. Obviously, they feel the threat to public health and the environment is real and serious.

Associate Professor Olle Johansson at the prestigious Karolinska Institute in Sweden quoted 9<sup>th</sup> May, 2015, in *The Telegraph*, UK: “*We are living in an environment estimated to contain more than 10 billion times more RF radiation than it did in the 1960’s. If this environment is safe, we’re talking about in the order of 15,000 to 25,000 papers – in peer-reviewed scientific journals – all being wrong. That has never happened before*”.

And online in *The Lancet* 15<sup>th</sup> July, 2015:

*Planetary health is a new science that is only beginning to draw the coordinates of its interests and concerns. It demands new coalitions and partnerships across many different disciplines to meet the pervasive knowledge failures [.....] And, perhaps most of all, it demands more creative imagination among scientists and practitioners working in health—redefining the meaning of human progress, rethinking the possibilities for human cooperation, and revitalizing the prospects for the health of human civilizations.*

We urge the Summit to address this issue before irreversible damage has been done.

Sincerely,

Sarah Benson  
Greece [sairb@hotmail.com](mailto:sairb@hotmail.com)  
30-22850-25871

Ed Friedman  
USA [edfomb@comcast.net](mailto:edfomb@comcast.net)  
207-666-3372

Marcey Kliparchuk  
Canada [marcey.klip@yahoo.ca](mailto:marcey.klip@yahoo.ca)  
780-760-0872

*GUARDS is an international coalition against global WiFi from space, a complex technology of radiation and toxic chemicals endangering all life on Earth.*