

Open Letter to the members of the panel developing the WHO Environmental Noise Guidelines for the European Region.1.

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Anna Preis.
Stephen Stansfield.
Martin van den Berg.

Ladies and Gentlemen,

We understand that you are currently in the process of developing the WHO Environmental Noise Guidelines for the European Region as a regional update to the WHO Community Noise Guidelines. We also understand that:

1. The new Guidelines will be based upon a review of evidence on the health effects of environmental noise in the light of significant research carried out in the last few years.
2. The guidelines will review evidence on the health benefits of noise mitigation and interventions to decrease noise levels.
3. The evidence will be systematically reviewed to assess likely effects such as: sleep disturbance, annoyance, cognitive impairment, mental health and wellbeing, cardiovascular diseases, hearing impairment and tinnitus and adverse birth outcomes.

One of the sources of noise you are investigating is that from wind turbines which was not addressed in previous guidelines.

We welcome your review because, despite mounting anecdotal and academic evidence, for too long mitigation against adverse health effects following the construction of wind turbines has been absent from planning guidelines and **noise pollution regulations** in many European countries, especially **with respect to sound below 200 Hz.**

There is a pressing need for new guidelines to encourage governments better to safeguard the health of their citizens.

You will be aware that these problems are not confined to Europe. Neither are they confined to human beings.

We are hopeful that your deliberations will result in tough new European guidelines which in turn will prompt a serious worldwide examination of all aspects of this problem, including the widely-reported effects on animals.

Yours sincerely,

The undersigned:

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Mariana Alves-Pereira, PhD Researcher and Expert on the biological response to Infrasound and low-frequency noise exposure	Portugal	09.07.2016
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William G. Acker Consulting Engineer with Acker & Associates; Eight years of research work on Infrasound & Low Frequency Noise from Cooling Towers, Industrial Wind Turbines, Boilers and Automoblies. Green Bay, Wisconsin	USA	10.07.2016
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Dr Mireille Oud medical physicist, founder of Dutch LinkedIn Expertise Group on Low Frequency Noise, author of ' Explanation for suffering from low-frequency sound '	Netherlands	11.07.2016
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Ross McLeod Environmental Health Officer(retired), Queensland	Australia	13.07.2016
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Shellie Correia, Mothers Against Wind Turbines TM mothersagainstwindturbines.com	Canada	15.07.2016
Ferdinand Deželak. Head of laboratory for physical measurements Institute of Occupational Safety. Ljubljana. Vice president of the Slovenian Acoustic Society.	Slovenia	15.07.2016
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Jay J Tibbetts MD Vice Chair/Chair Brown County Board of Health Declared Shirley Wind IWTs a Human Health Hazard Oct, 2014 Green Bay, WI	USA	15.07.2016
Kalevi Nikula, Legal and External Affairs Director (retired) M.Sc., Physiology, Biophysics, Biochemistry. Chairman, The Finnish Association of Citizens Against Industrial Wind Power Plants (TV-KY ry.) http://www.tvky.info	Finland	16.07.2016

Troels Flyvholm.	Denmark	16.07.2016
Kaj Bank Olesen, mink farmer from Vildbjergand & wind turbine refugee.	Denmark	16.07.2016
Bo Samson. Flight Engineer & quality coordinator, Tornbyvej 6 3700 Danmark	Denmark	16.07.2016
Marco Bernardi Dipl.-Ing. Fahrzeugbau, KFZ-Sachverständiger Webmaster von www.windwahn.de www.opfer.windwahn.de Seit 22 Jahren schallgeschädigt durch WEA	Schleswig-Holstein, Deutschland	16.07.2016
Dr. Friedrich Buer, Freier Biologe	Bayern, Deutschland	16.07.2016
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Dr. med. Manfred Fuckert Arzt für Allgemeinmedizin-Homöopathie	Baden-Württemberg, Deutschland	16.07.2016
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Elke Gutschow-Veit, Anwohnerin an WKA	Dithmarschen, SH, Deutschland	17.07.2016
Dr. Bernard Voigt, Artz Fur, Abeitsmedizin Wiss, tagig zur - "Wirkung von IS auf die Gesundheit"	Baden-Wurttemberg, Deutschland	17.07.2016

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Dr. Manfred Obermüller	Hessen, Deutschland	18.07.2016
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Dr. med. Ulrike Diehl Facharzt für Innere Medizin Organisation Ärzte für Immissionsschutz www.aefis.de	Niedersachsen, Deutschland	18.07.2016
Jutta Maurer since 2006 severely affected by means of sound disease	Brandenburg, Germany	19.07.2016
Dr. Rolf Sammeck klinische Neuroanatomie Organisation: Ärzte für Immissionsschutz, www.aefis.de	Niedersachsen, Germany	19.07.2016
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Dr. med. Günter Petig Internist und Allgemeinmediziner	Schleswig-Holstein, Deutschland	20.07.2016
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<p>Dr. rer. nat. Joachim Musehold Biologe. Schleswig- Holstein,</p>	<p>Deutschland</p>	<p>22.07.2016</p>
<p>Geoffrey Sinclair, Environment Consultant. Experience in the field of wind turbines & their noise since 1990.</p>	<p>Wales. U.K</p>	<p>22.07.2016</p>
<p>Jane Wilson, RN President - Representing Wind Concerns Ontario. Ottawa.</p>	<p>Canada</p>	<p>22.07.2016</p>
<p>John Madigan Chair, Senate Select Committee into Wind Turbine Regulation, Australian Federal Parliament, 2015 http://www.aph.gov.au/Parliamentary_Business/Committees/Senate/Wind_Turbines/Wind_Turbines Former Independent Senator for Victoria</p>	<p>Australia</p>	<p>23.07.2016</p>
<p>Emyr Griffiths, BSc Biol.Geol. Independent infrasound researcher - wife is hypersensitive to wind turbine infrasound and is now a wind turbine refugee.</p>	<p>Wales. UK</p>	<p>23.07.2016</p>
<p>Dr M L McKenna Chair of Ballantrae Community Council Member of Ballantrae Development Group. Beachbank House Foreland.Ballantrae KA26 0NQ</p>	<p>Scotland.UK</p>	<p>23.07.2016</p>

Virginia Stewart Love, Grey Highlands, Ontario. Adversely affected by wind turbines since 2012 – effects corroborated by physician. The GREY/BRUCE presentation to the M.O.H & Health Board resulted in: (The Systemic Review 2013: Association between Wind Turbines and Human Distress) being conducted which determined "reasonable evidence supporting the existence of an association between wind turbines and distress in humans and the existence of a dose response relationship between distance from wind turbines."	Grey County, Canada	23.07.2016
Struan Stevenson (Member of the European Parliament for Scotland 1999-2014). Balig House, Ballantrae, KA26 0JY Ayrshire.	Scotland. UK	23.07.2016
Maurice E. Bakker BSc MBA Chairman Stichting Gigawiek (NGO serving those in vicinity of Windpark Houten) Rijnpolder 97 3991 HR Houten	The Netherlands	24.07.2016
Prof. em. dr. Albert Koers Chairman NLVOW (Netherlands Association of People Living in the Vicinity of Windfarms)	The Netherlands	24.07.2016
Barbara Ashbee Mulmur. Ontario. Impacted family and Co-ordinator of VOW - Victims of Wind	Canada	27.07.2016
Malcolm A. Swinbanks, M.A., PhD, Mathematician & Acoustician, having lived within an extensive windfarm community with direct experience of the adverse effects that can arise.	UK	27.07.2016
Ripley Group: Sandy & John MacLeod and family, (The late Mrs. Barbra Basser) and Family, (The late, Brenda) & Glenn Wylds & family, Melissa & Kent Wylds & Family and the neighbours who suffer silently.	Canada	28.07.2016
Leena Kurikka, Isokorventie 47 61300 Kurikka. Adversely impacted by noise from wind turbines.	Finland	29.07.2016

<p>Aaron Van Ooteghem, Norfolk County, Ontario. Our family was forced to leave our home by the adverse health impacts of turbine noise upon us.</p>	<p>Canada</p>	<p>29.07.2016</p>
<p>Greg Schmalz, Founder & manager of S.T.O.P. (Saugeen Shores Turbine Operation Policy), 114 Shipley Ave., Saugeen Shores, Ontario. N0H2C5</p>	<p>Canada</p>	<p>29.07.2016</p>
<p>Debbie Hughes R.N., M.A., CCRA Clinical Trials Research certified.</p>	<p>Canada</p>	<p>29.07.2016</p>
<p>Mo & Peter Caswell, Vale of Belvoir. Adversely affected by turbine noise and wishing to point out that: ‘When something affects you beyond the distance that “experts” claim to be safe – there is something wrong with the system which allows this.’</p>	<p>England. UK</p>	<p>30.07.2016</p>
<p>Patti Hutton Co-Facilitator HARM Central Bruce Grey Wind Concerns Ontario 3184 Bruce Road 20 RR3 Tiverton, Ontario. N0G2T0</p>	<p>Canada</p>	<p>31.07.2016</p>
<p>Detlef Krahe Prof. Dr.-Ing. FR Elektrotechnik Langjährige Erfahrung bez. Lärm: Wahrnehmung und Wirkung, insbesondere tieffrequenter Lärm NRW</p>	<p>Deutschland</p>	<p>01.08.2016</p>