

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

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Mark Brink.  
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Peter Lercher.  
Jos Verbeek.

Marco Paviotti.  
Göran Pershagen  
Kerstin Persson Waye.  
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:

Mrs. V.C.K. Metcalfe Community Councillor	Scotland	07.07.2016
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Virpi Poikolainen, Physical therapist, Bachelor of Health Care. Community & County Councillor	Finland	07.07.2016
Alun Evans MD Professor Emeritus. Centre for Public Health. The Queen's University of Belfast. Institute of Clinical Science B	Northern Ireland	08.07.2016
Vojko Bernard, metallurgist, President of Alpe Adria International	Slovenia	08.07.2016
Angela Armstrong, M.B., Ch.B. retired General Medical Practitioner and Occupational Physician	Scotland	08.07.2016
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Dr. Katarina Dea Žetko, BA, MSc, PhD historical and germanic linguistics, Lecturer	Slovenia	08.07.2016
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Wayne C. Spiggle, MD physician	USA	08.07.2016
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Jutta Reichardt, Soz.Päd.(graduate degree) behavioral therapist Spokeswoman of sound victims on <a href="http://www.opfer.windwahn.de">www.opfer.windwahn.de</a> (Affected by infra, low frequency and structure born sound of technical facilities such as wind turbines, pumps etc.)	Germany	10.07.2016
Esen Fatma Kabaday Whiting Çeşme Municipality Councillor Biologist, Environmental Specialist (MS), Project Cycle Management Specialist	Turkey	10.07.2016
Bernd Stymer Oldest and largest resistance against wind madness in Sweden website <a href="http://www.helgaro-liv.se/">http://www.helgaro-liv.se/</a>	Sweden	10.07.2016
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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Ghislaine Siguier Présidente, Victimes des Éoliennes (Victims of Wind Turbines), <a href="http://en.friends-against-wind.org/victims">http://en.friends-against-wind.org/victims</a>	France	11.07.2016
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Annie Gardner	Australia	12.07.2016

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Witold Jaszczuk, D.Eng. Vice President, Central Board, Liga Walki z Hałasem (Anti-Noise League), <a href="http://www.lwzh.org.pl/">http://www.lwzh.org.pl/</a>	Poland	12.07.2016
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Shellie Correia, Mothers Against Wind Turbines TM <a href="http://mothersagainstwindturbines.com">mothersagainstwindturbines.com</a>	Canada	15.07.2016
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Mads F. Hovmand, Senior Scientist Terrestrial Ecology, Department of Biology University of Copenhagen. DK-1353 Copenhagen K,	Denmark	15.07.2016
Gitte Nielsen Monnetvej 8	Denmark	15.07.2016
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.) <a href="http://www.tvky.info">http://www.tvky.info</a>	Finland	16.07.2016



Troels Flyvholm.	Denmark	16.07.2016
Kaj Bank Olesen, mink farmer from Vildbjergand & wind turbine refugeee.	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
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Dr. Manfred Obermüller	Hessen, Deutschland	18.07.2016
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Dr. Rolf Sammeck klinische Neuroanatomie Organisation: Ärzte für Immissionsschutz, <a href="http://www.aefis.de">www.aefis.de</a>	Niedersachsen, Germany	19.07.2016
Dr. med. Thomas Carl Stiller Facharzt für Allgemeinmedizin Gründer der Organisation Ärzte für Immissionsschutz <a href="http://www.aefis.de">www.aefis.de</a>	Niedersachsen, Germany	20.07.2016
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Geoffrey Sinclair, Environment Consultant. Experience in the field of wind turbines & their noise since 1990.	Wales. U.K	22.07.2016
Jane Wilson, RN President - Representing Wind Concerns Ontario. Ottawa.	Canada	22.07.2016
John Madigan Chair, Senate Select Committee into Wind Turbine Regulation, Australian Federal Parliament, 2015 <a href="http://www.aph.gov.au/Parliamentary_Business/Committees/Senate/Wind_Turbines/Wind_Turbines">http://www.aph.gov.au/Parliamentary_Business/Committees/Senate/Wind_Turbines/Wind_Turbines</a> Former Independent Senator for Victoria	Australia	23.07.2016
Emyr Griffiths, BSc Biol.Geol. Independent infrasound researcher - wife is hypersensitive to wind turbine infrasound and is now a wind turbine refugee.	Wales. UK	23.07.2016
Dr M L McKenna Chair of Ballantrae Community Council Member of Ballantrae Development Group. Beachbank House Foreland.Ballantrae KA26 0NQ	Scotland.UK	23.07.2016

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
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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
<b>Ripley Group:</b> 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 &amp; 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 &amp; 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>