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

Marie-Eve Héroux  Marco Paviotti.
Wolfgang Babisch.  Göran Pershagen
Mark Brink.  Anna Preis.
Peter Lercher.  Martin van den Berg.
Jos Verbeek.

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

Mauri Johansson, MD, MHH  
Specialist in Community and Occupational Medicine, including Environmental Medicine (retired)  
Denmark/EU  
07.07.2016

Susan Crosthwaite  
Community Councillor. Author of ‘Request for Action’ to Scottish Government  
Scotland  
07.07.2016

Sarah Laurie  
Bachelor Medicine, Bachelor Surgery and CEO, Waubra Foundation  
Australia  
07.07.2016

Dr. Rachel Connor  
Bachelor Medicine, Bachelor Surgery, and Fellow of the Royal College of Radiologists. Chair of Moscow and Waterside Community Council  
United Kingdom  
07.07.2016

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

Tomaž Ogrin, BSc, MSc  
Chemistry, researcher, scientist  
Slovenia  
08.07.2016

Dr. Katarina Dea Žetko, BA, MSc, PhD  
historical and germanic linguistics, Lecturer  
Slovenia  
08.07.2016

Ontario, Canada  
08.07.2016

Jerry L. Punch, Ph.D.  
Professor Emeritus, Department of Communicative Sciences and Disorders, Michigan State University, East Lansing, Michigan  
USA  
08.07.2016

Curt Devlin, B.A., MA  
Software Architect, Health Sciences  
USA  
08.07.2016

Alec N. Salt, PhD. Professor of Otolaryngology, Washington University School of Medicine, St Louis  
USA  
08.07.2016
Gary Goland, Cert App Sci, (Medical Lab), Royal Melbourne Institute of Technology, Medical researcher, Adelaide  

Australia 08.07.2016

Dominic Mette  
Friends Against Wind  

France 08.07.2016

Sven Johannsen  
CEO & Erik Brunne, Cert. Acoustic Engineers & Infrasound Experts, GuSZ Gutachter u. Sachverständigen Zentrum für Umwelt-Messungen GmbH  
www.umweltmessung.com  

Germany 08.07.2016

Johannes Mayer M.D.  
Family medicine, Osteopathic Medicine Clin. Ass. Prof. Osteopathic medicine Athens/Ohio/USA  
President Osteopathic physicians (BDOÄ)  

Germany 08.07.2016

Greta Gallandy-Jakobsen  
author, retired teacher, editor of wind turbine victims’ website vind-alarm-danmark.eu  

Denmark 08.07.2016

Sherri Lange  www.na-paw.org  
CEO North American Platform Against Wind Power.  

USA & Canada. 08.07.2016

Wayne C. Spiggle, MD  
physician  

USA 08.07.2016

John Harrison, PhD  

Canada 08.07.2016

Mark Duchamp  
President, Save the Eagles International  
www.SaveTheEaglesInternational.org  
+34 693 643 736  

Spain 08.07.2016

Maxwell Whisson, MB,BS FRCPath  
retired medical consultant and leader in Medical Research, primarily cancer & haematology  

Australia 09.07.2016

George Papadopoulos  
Pharmacist (B. Pharm), Yass, NSW  

Australia 09.07.2016

Mary Morris  
Community based noise and health researcher and community advocate, (near) Waterloo, South Australia  

Australia 09.07.2016

R.Y. McMurtry CM, MD, FRCS, FACS  

Canada 09.07.2016

Arline L. Bronzaft, Ph.D  
Professor Emerita, City University of New York  

USA 09.07.2016
Angela Kearns  
Retired Registered Nurse and Midwife  
Eric Rosenbloom  
President National Wind Watch, Inc.  
<https://www.wind-watch.org/>  
Australia  09.07.2016

Mariana Alves-Pereira, PhD  
Researcher and Expert on the biological response to Infrasound and low-frequency noise exposure  
Portugal  09.07.2016

Susan Smith  
Retired teacher. Founding member of Mothers Against Wind Turbines. Experiencing life within 900 metres of an industrial wind turbine  
Canada  09.07.2016

George M Lindsay, B.Sc., PhD  
Engineer  
United Kingdom  09.07.2016

Ove Björklund  
Engineer. Board member of the Association “Good Environment Hylte”  
Sweden  09.07.2016

Madeleine Kura  
Co-founder of Cesme Sustainability Platform website  
http://www.cesmeplatformu.org/en/ Izmir  
Turkey  09.07.2016

Sandy Reider, MD  
Lyndonville, Vermont  
USA  09.07.2016

Per Fisker, MD  
retired Consulting Gynecologist and Obstetrician  
Denmark  10.07.2016

Jutta Reichardt, Soz.Päd.(graduate degree) behavioral therapist  
Spokeswoman of sound victims on www.opfer.windwahn.de  
(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 http://www.helgaro-liv.se/  
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 Automobiles. Green Bay, Wisconsin  
USA  10.07.2016

James Vanden Boogart  
President, Brown County Citizens for Responsible Wind Energy. Brown County  
USA  10.07.2016
David Moriarty
Falmouth, Mass

Marshall Rosenthal
MA Cultural Anthropology, Syracuse University, BS
Biology, City College of NY, former Health Officer, Child
Development Group of Mississippi

Bruce Rapley, BSc, MPhil, PhD
Consulting Scientist, Principal Consultant: Environmental
Health, Acoustics and Human Cognition, Atkinson & Rapley
Consulting Ltd. arg@paradise.net.nz

Steven Cooper
Acoustical Engineer, The Acoustic Group

Janet Holtkamp
practitioner of Chinese Medicine, Nieuw-Buinen

Ipar Buğra Dilli
Head of Karaburun City Council

Ghislaine Siguier
Présidente, Victimes des Éoliennes (Victims of Wind
Turbines), http://en.friends-against-wind.org/victims

Dr Mireille Oud
medical physicist, founder of Dutch LinkedIn Expertise
Group on Low Frequency Noise, author of 'Explanation for
suffering from low-frequency sound'

Prof. Dr. Ümit Erdem
EGE University, Agricultural Faculty, Dep. of Landscape
Architecture, Izmir
Emeritus Fellow
Member of the European Ecological Federation
http://www.europeanecology.org

Prof. Dr. Zuhal Okuyan (MD)
Community Health specialist and Medical Ethics lecturer
Dokuz Eylül University, Izmir

Mustafa Tamsik
Bodrum Peninsula Environmental Protection Platform

Acoustic Investigator

Jean Pierre Riou
Président de l'association "Le Mont Champot"
(lemontchampot.blogspot.fr)

Robert W. Rand, ASA, INCE

USA
10.07.2016
USA
10.07.2016
New Zealand
11.07.2016
Australia
11.07.2016
Netherlands
11.07.2016
Turkey
11.07.2016
France
11.07.2016
Netherlands
11.07.2016
Turkey
11.07.2016
Turkey
11.07.2016
USA
11.07.2016
France
11.07.2016
USA
11.07.2016
Christine Lavanchy
Research laboratory technician. Member of Paysage Libre Vaud committee, 1096 Cully
Switzerland 11.07.2016

Paul Housiaux
Solicitor (retd.)
United Kingdom 11.07.2016

Simon & Brooke Yates
Mt Torrens, South Australia
Australia 11.07.2016

Barbara Lebiedowska
Professor emeritus, independent researcher
Poland 11.07.2016

Marek Lebiedowski
Professor emeritus, independent researcher
http://www.kdepot.eu/
Poland 11.07.2016

Marcin Przychodzki
Lawyer and editor-in-chief of stopwiatrakom.eu website
Poland 11.07.2016

Paweł Kotwica
Political scientist, translator and community advocate
Poland 11.07.2016

Marek Jasudowicz
Mayor, Municipality of Giżycko, Masurian Lake District
Poland 11.07.2016

Hal Wilson B.Ed (Chemistry and Mathematics) retired, Staffordshire

Rick James, INCE
E-Coustic Solutions, LLC, Okemos, MI 48805
USA 11.07.2016

Prof. Dr. Ali Osman Karababa
Faculty of Medicine, Department of Public Health, Ege University, Izmir
Turkey 11.07.2016

Annette Smith
Executive Director, Vermonters for a Clean Environment
USA 11.07.2016

Dr Gary Hopkins
Emergency physician
Australia 11.07.2016

Dr. Alan C Watts OAM; HDA; B.Sc; M.B., Ch.B; L.R.C.P; M.R.C.S.
retired medical practitioner with an interest in the health effects of wind turbines
Australia 12.07.2016

Dr. Colleen J Watts OAM; B.Sc.Agr.(Hons); M.Phil; Ph.D.
Environmental scientist
Australia 12.07.2016

Carl V Phillips, MPP PhD
consumer health advocate; former professor of public health and evidence-based medicine
Australia 12.07.2016

Annie Gardner
Australia 12.07.2016
Patina Schneider  
Australian Industrial Wind Turbine Awareness Network  
Australia  
12.07.2016

Jean-Louis Butré  
President of EPAW.org.  
Also: President of the French Fédération Environnement Durable regrouping 1060 French local associations  
France  
12.07.2016

Witold Jaszczyk, D.Eng.  
Vice President, Central Board, Liga Walki z Hałasem (Anti-Noise League), http://www.lwzh.org.pl/  
Poland  
12.07.2016

Zbigniew Sienkiewicz  
Ecology, environment & human health, protection of citizens' rights  
Poland  
12.07.2016

Keith Stelling, MA, MNIMH, Dip Phyt  
Independent Researcher, Ontario  
Canada  
12.07.2016

David R. Lawrence, MD  
Board Certified Internal Medicine ABIM  
Member Connecticut State Medical Society, Member Litchfield County Medical Association, Executive Committee.  
Assistant Clinical Professor, Department of Medicine, University of Connecticut School of Medicine  
USA  
12.07.2016

Norma C. Schmidt, RN BScN  
Retired Professor of Nursing  
Canada  
12.07.2016

Peter R Mitchell, AM BehE  
Founding Chairman of the Waubra Foundation  
Australia  
13.07.2016

Catherine Mitchell  
Director, Mothers Against Wind Turbines, Ontario  
Canada  
13.07.2016

Linda Rogers, NP-PHC  
Nurse Practitioner Primary Health Care, Ontario  
Canada  
13.07.2016

John O'Sullivan  
CEO, Principia Scientific International, principia-scientific.org  
United Kingdom  
13.07.2016

Krzysztof Skotak  
Researcher, Environmental and Health expert, National Institute of Public Health  
Poland  
13.07.2016

Dr. Matthias Kleespies  
Environmental scientist and climate researcher  
Germany  
13.07.2016

Ross McLeod  
Environmental Health Officer(retired), Queensland  
Australia  
13.07.2016

Dr Timothy Ball  
(Climatologist), Professor (retired), University of Winnipeg  
Canada  
13.07.2016
Andrew Duncan B.S.c Property Studies.  
County Councillor Westmeath County Council.  
Spokesperson Lakelands Windfarm Information Group (LWIG).

Malcolm Roberts, BE, Engineering  
University of Queensland,  
MBA, Business, University of Chicago.  
Project manager for The Galileo Movement (Aus).

Lon Briet,  
Environmental Platform. Bodrum.

Michael Jankowski. Electronics Engineer.

Nicholas Kouwen, PhD., P.Eng., FASCE.  
Distinguished Professor Emeritus and Adjunct Professor  
Department of Civil and Environmental Engineering  
University of Waterloo. Waterloo, ON. N0C 1E0

Shellie Correia, Mothers Against Wind Turbines TM  
mothersagainstwindturbines.com

Ferdinand Deželak. Head of laboratory  
for physical measurements Institute of Occupational Safety.  
Ljubljana. Vice president of the Slovenian Acoustic Society.

Miha JANC, Dr.Vet.Med., Dr.Sci., Emeritus Professor of Microbiology.. University of Ljubljana, Slovenia.

Mads F. Hovmand, Senior Scientist  
Terrestrial Ecology,Department of Biology  
University of Copenhagen.DK-1353 Copenhagen K,

Gitte Nielsen  
Monnetvej 8

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

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


Dr. Friedrich Buer, Freier Biologe Bayern, Deutschland 16.07.2016

Dr. med. Dorothea Fuckert. Ärztin für Allgemeinmedizin-Psychotherapie Baden-Württemberg, Deutschland 16.07.2016


Dr. med. Christian Rohrbacher Facharzt für Innere Medizin, Psychoanalyse Schleswig-Holstein, Deutschland 16.07.2016


Achim Göbel Vorsitzender Regionalverband Taunus e.V. Initiator der Verfassungsbeschwerde Hessen, Deutschland 17.07.2016


Elke Gutschow-Veit, Anwohnerin an WKA Dithmarschen, SH, Deutschland 17.07.2016

Dr. Christoph Leinb  
Baden-Württemberg, Deutschland  
17.07.2016

Dr. Med Kuno Veit,  
Allgemeinarzt  
Schleswig-Holstein, Deutschland  
17.07.2016

Dr. rer. nat. Wolfgang Epple  
Baden-Württemberg, Deutschland  
18.07.2016

Dr. Manfred Obermüller  
Hessen, Deutschland  
18.07.2016

Herbert S. Coussons, MD,  
FACOG  
Practicing ObGyn and Primary Care Physician. Associate Clinical Professor Medical College of Wisconsin Medical Director and VP - Center for Applied Value Analysis  
USA  
18.07.2016

Eija-Riitta Korhola, doctor of environmental politics  
former member of the European Parliament (1999-2014)  
Finland  
18.07.2016

Carmen Krogh, BScPharm  
Independent Health Researcher  
Canada  
18.07.2016

Hans Günter Diehl  
Facharzt für Innere Medizin  
Organisation Ärzte für Immissionsschutz www.aefis.de  
Niedersachsen, Germany  
18.07.2016

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  
Niedersachsen, Germany  
19.07.2016

Dr. med. Thomas Carl Stiller  
Facharzt für Allgemeinmedizin Gründer der Organisation Ärzte für Immissionsschutz www.aefis.de  
Niedersachsen, Germany  
20.07.2016

Ortrud Kern, Betroffen von 200m hohen Windturbinen  
Bayern, Deutschland  
20.07.2016

Dr. med. Günter Petig  
Internist und Allgemeinmediziner  
Schleswig-Holstein, Deutschland  
20.07.2016

Mr Mike Stigwood,  
Environmental Health practitioner and acoustician, researcher into wind farm noise impact and lead consultant on the Cotton Farm research project. Mike@masenv.co.uk  
United Kingdom  
22.07.2016
Dr John Yelland, MA DPhil (Oxon) MInstP FIET AMASA MIOA. Physicist and acoustician currently practising as an independent consultant.


Experience in the field of wind turbines & their noise since 1990.


John Madigan Chair, Senate Select Committee into Wind Turbine Regulation, Australian Federal Parliament. 2015 Australia 23.07.2016
Former Independent Senator for Victoria

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.Ballontrae 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."


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


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


Aaron Van Ooteghem, Norfolk County, Ontario. Our family was forced to leave our home by the adverse health impacts of turbine noise upon us.


Debbie Hughes R.N., M.A., CCRA Clinical Trials Research certified.

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.’

Patti Hutton Co-Facilitator HARM Central Bruce Grey Wind Concerns Ontario 3184 Bruce Road 20 RR3 Tiverton, Ontario. N0G2T0

Detlef Krahé Prof. Dr.-Ing. FR Elektrotechnik Langjährige Erfahrung bez. Lärm: Wahrnehmung und Wirkung, insbesondere tieffrequenter Lärm NRW