



CERH

Center for Environmental and Respiratory Health Research

UNIVERSITY of OULU
OULUN YLIOPISTO



Arctic environment, people and health – Building bridges between research and policymakers

Seminar speakers



Jouni J. K. Jaakkola

*Ph.D. in Epidemiology and Biostatistics, McGill University
D.Sc. in Medicine, Dept of Public Health, University of Helsinki*

*Director, WHO Collaborating Center in Global Change,
Environment and Public Health, University of Oulu*

*Director, Center for Environmental and Respiratory Health
Research (CERH), University of Oulu*

Professor of Public Health, University of Oulu

Dr Jaakkola has a wide experience in leading multidisciplinary studies of the health effects of environmental factors in indoor environments, ambient air, water and soil. He has published over 190 scientific articles in peer-reviewed scientific journals (WOS Hirsch 51; Google scholar Hirsch 68). He has directed several international multidisciplinary research centers and institutes; in early 1990s he established the Environmental Epidemiology Unit at the University of Helsinki; in 1998 he was a founder and co-director of the Johns Hopkins Center of Childhood Asthma in Urban Environments; from 2003 to 2008 he served as director of the Institute of Occupational and Environmental Medicine, University of Birmingham, UK; and in 2008 he returned to Finland and established the CERH at the University of Oulu.

Professor Jaakkola has broad international collaboration in the area of environment and health. He has participated in the regional multi-sectorial committee for strategies of climate change, chairing a group focusing on health and wellbeing. He established by invitation a WHO Collaborating Center in Global Change, Environmental and Public Health that is hosted by CERH. He has served from 1990s as advisor for WHO and PAHO (Pan American Health Organization) in environmental health, most recently in climate change and health. Jaakkola is a founding member and a co-director of Health-Earth network.



Tytti Tuppurainen

M.A., University of Oulu

*Member of the Finnish Parliament (since 2011) / Social
Democratic Parliamentary Group*

*Second Deputy Chairperson of Parliament's Grand
Committee (EU Affairs)*

*Member of Parliament's Agriculture and Forestry Committee
Member of the Oulu City Council (since 2000)*

Vice-chairperson of the UN Association of Finland

Before becoming a Member of the Finnish Parliament, Tytti worked as a R&D Coordinator for the Oulu University of Applied Sciences, Oulu UAS School of Music, Dance and Media. Tytti has also had various tasks with House for Sustainable Development: Project Manager and Public Relations, and CEO for Oulu Ekotuote Ltd. (Recycling and Environmental Waste Management). She has graduated as a Master of Arts from the University of Oulu. Mrs Tuppurainen was the chair of regional climate change council 2009-2011.



Vladimir Kendrovski

*Technical Officer for Climate Change and Health
WHO Regional Office for Europe
Professor Ss. Cyril and Methodius University,
Department of Hygiene Macedonia, Skopje, Macedonia
MD, MSc, PhD*

Dr Vladimir Kendrovski is a specialist in hygiene and environment and health. Before joining the World Health Organization in 2012 he was an Associate Professor at the Medical School in Skopje, where he also served eight years as Head of Sector for Environmental Health at the National Institute for Public Health, and during this time was President of the Institute's Executive Board from 2009 to 2012. Dr Vladimir Kendrovski works on public health adaptation to climate change at the WHO European Centre for Environment and Health in Bonn, Germany. He assists European Member States in the development and implementation of policies in relation to climate change, extreme events and health issues.

Whilst at the National Institute for Public Health Dr Kendrovski worked on the creation of project and strategic documents in public health and health policy. He then concentrated on climate change adaptation to environmental hazards and was instrumental in drafting the national climate change adaptation health strategy and Heat Health Action Plan in 2010. He was President of the National Climate change and Health Steering Committee and advised the Minister of Health on extreme weather, climate change and sustainable health policy. Dr Kendrovski has worked as a consultant, researcher and coordinator of national and international public health projects of the European Union, UNICEF, WHO, World Bank and projects of the South East European Initiative. He was a member of the ECDC Advisory Board from 2010 to 2012 and a national expert for the EFSA and WHO IHR. Dr Kendrovski was President of the Macedonian National Association of Environmental Health specialists from 2007-2012, an editor in chief of the Macedonian journal Archives of Public Health (2009-2012) and he is a member of the Advisory Editorial Board of Archives of Industrial Hygiene and Toxicology.



Colin D. Butler

Professor, University of Canberra, Australia

Professor Butler is a former Australian Research Council Future Fellow, the topic of which was "Health and sustainability: Australia in a global context". Colin is especially interested in future global health, including the consequences of global environmental changes such as to the climate, ecosystems, energy sources and resource depletion. He has published widely, and given many invited talks on topics including food security, population growth, ecology and infectious diseases. Collaborations include with the World Health Organization, the Special Programme on Tropical Diseases Research, the World Medical Association and the UN Environment Program. He is co-founder of the NGO BODHI, active especially in India, since 1989. He is sole editor of "Climate Change and Global Health" (CABI, 2014; 2016) and the senior editor of "Health of Planet, People and Places Reflections based on Tony McMichael's four decades of contribution to epidemiological understanding" (ANU Press, 2015). His research interests include Sustainability, Human rights and their links with human health.



Jaakko Kukkonen,

*Research Professor, Finnish Meteorological Institute
Visiting Professor, University of Hertfordshire (U.K.)
Adjunct Prof. (Docent) of physics, University of Helsinki*

Prof. Kukkonen has worked in the field of atmospheric physics and chemistry, including especially the development, evaluation and application of mathematical models. He has participated in 24 EU-funded projects and has procured more than 7 MEUR in research income. He has previously been the Head of Air Quality Research Department at the FMI from 2004 to 2013. He has reviewed six professor- or adjunct professorships, been an opponent at three doctoral dissertations, the supervisor of six dissertations and an academic inspector of nine dissertations.



Tiina M. Ikäheimo

Docent, University of Oulu

Ph.D, University of Oulu

Phil. Lic., University of Oulu

*Vice-Director, WHO Collaborating Center in Global Change,
Environment and Public Health, University of Oulu*

Dr. Tiina Ikäheimo has comprehensive knowledge in the area of environmental temperatures, human performance and health complemented with research related to exercise and health. Her experience includes several disciplines, such as public health, environmental and occupational health, biomedicine, as well as health and exercise sciences. She has participated in research and development projects developing a model and tools for occupational cold-related risk assessment and management which eventually lead to the production of one ISO standard for the ergonomics of thermal environments. In addition to her research, Dr. Ikäheimo worked for ten years first as an editor, and later as an editor-in-chief of the International Journal of Circumpolar Health which publishes research related to health among populations of the arctic areas.

The current research of Dr. Ikäheimo focuses on the effects of extreme temperature on human health, especially in identifying susceptible populations which information may be utilized for planning and implementing prevention and protection measures to mitigate the expected adverse health effects of climate change. Her research combines controlled experiments and population studies. Dr. Ikäheimo has contributed to several peer-reviewed original articles and reviews, and produced international expert material such as chapters in text books and professional guides related to the effects of temperature on human health. Dr. Ikäheimo has also worked as an advisor in the area of extreme cold temperatures and human health, as well as having produced information material together with WHO experts.



Timo T. Hugg

Lecturer, University of Oulu

Ph.D. University of Oulu

*Vice-Director, Center for Environmental and Respiratory
Health Research (CERH), University of Oulu*

The expertise of Dr. Hugg is related to pollen dispersal between indoor and outdoor environments, pollen concentrations in different urban environments, and the effects of environmental exposures on asthma, allergic diseases and symptoms. He has published more than 80 publications from the fields of urban ecology, environmental protection, environmental health, biodiversity, human-induced environmental impacts and allergology, including 18 peer-reviewed scientific articles. Timo has previously worked as a teacher/lecturer in the different kind of organizations and as a head of South-Karelia Allergy and Environment Institute. Lately he is working in two multidisciplinary research projects funded by the Academy of Finland: "The Influence of Air Pollution, Pollen and Ambient Temperature on Asthma and Allergies in Changing Climate" (APTA, 2013–2017; coordinator of WP1: Pollen monitoring and analyses) and "Climate change, air quality and housing - future challenges to public health" (CLAIH, 2008–2012; coordinator). He is a member of European Aerobiology Society, starting at 2012.



Klemetti Näkkäläjärvi (Juvvá Lemet)

Ph.D. in Cultural Anthropology, University of Oulu

Ph.L. in Saami language and culture, University of Oulu

Post doc researcher, University of Lapland

Klemetti Näkkäläjärvi is a Saami researcher and a former Saami politician from Enontekiö, North Finland. He's a member of reindeer Saami family and his native language is North Saami. His Doctoral thesis studied the acculturation and landscape - memory of reindeer herding Saami in the 20th Century. His thesis discussed the topic how Saami traditional knowledge related to biodiversity is created,

learned and passed from one generation to the next in reindeer Saami Community. Näkkäljärvi has been working as full-time president of Finnish Saami parliament for seven years. He has especially worked during his presidency on matters concerning environmental protection, biodiversity, Arctic cooperation, Climate Change and protection of traditional knowledge of the Saami. Näkkäljärvi has held various posts connected with Saami culture and the Saami language. He played a central role in the planning of the permanent exhibit at the Siida Sámi Museum. Klemetti Näkkäljärvi has been studying reindeer herding and Saami culture from the 1990.

Currently Näkkäljärvi is working as a post doc researcher studying the influences of climate change to Saami reindeer herding. He is also preparing a vast research project on the climate change and its influences to the health and living conditions of Saami people. His current research interests concern also changes in biodiversity and its influences to Saami people.



Paavo Lipponen

Former Prime Minister of Finland 1995-2003

Paavo Lipponen is a former Prime Minister of Finland and former The Speaker of the Parliament (2003-2007). He has been a key figure on developing Arctic Policy and Northern Dimension policy in EU and Finland. Currently he is working as a consult. He has consulted eg. Pohjolan Voima oy and Nord Stream. He has participated in various international projects and is one of the authors of North Europe Institute publication on European Union- United States relations. He made a study on Finland's prospects for economic growth in Arctic region in 2015 for the Finnish business community.



Hanna Aho

Conservation specialists, The Finnish Association for Nature Conservation (FANC)

Hanna Aho (MSc.) works as a nature conservation officer at the Finnish Association for Nature Conservation (FANC). Her field is climate change, energy policy, mining and sustainable production and consumption. She has followed closely the negotiations for the Paris Agreement. Before she has worked for the environmental government of Finland, for exp. as a planner for the Centre for Economic Development, Transport and the Environment. Aho has a masters degree from ecology and evolutionary biology from the University of Helsinki.



Aleksi Härkönen

*Ambassador for Arctic Affairs
Master of Social Sciences, University of Helsinki 1977*

Ambassador Härkönen has been working as ambassador for Arctic Affairs from 1.12.2014. Ambassador Härkönen has served, for example, as the Finnish Ambassador to Estonia, Special Adviser to President Tarja Halonen, and Head of Finland's OSCE Chairmanship Task Force.