



WHO Collaborating Centre Course: CLIMATE CHANGE, WEATHER AND HUMAN HEALTH

October 30th - November 1st 2018

Location: Faculty of Medicine, lecture rooms F202, F101 and A101, Apastie 5-7, Oulu.

Schedule: October 30th-November 1st, 2018

Organizer: WHO Collaborating Centre in Global Change, Environment and Public Health, Center for Environmental and Respiratory Health Research (CERH), Faculty of Medicine, University of Oulu.

Course funded by the Health and Biosciences Doctoral Program, UniOGS.

Climate change is the biggest global health threat of the 21st century



Program

Time	DAY 1 Tuesday October 30	DAY 2 Wednesday October 31	DAY 3 Thursday November 1
8.00	Lecture room F202 Theme: <i>Climate Change</i> Registration	Lecture room F101 Theme: <i>Climate change and primary health effects</i>	Lecture room F202 Theme: <i>Climate change and tertiary health effects</i>
8.30	Introduction and welcome words. Prof. Jouni Jaakkola (15 min)	Lecture I: Effects of ambient temperature on human health. Docent Tiina Ikäheimo (45 min)	Lecture I: The holistic effects of climate change on the Saami culture and well-being. Postdoc researcher Klemetti Näkkäläjärvi (20 min)
8.45	Lecture I: Introduction to climate change, weather and health. Prof. Jouni Jaakkola (30 min)		Lecture II: The holistic effects of climate change on the Saami health. Prof. Jouni Jaakkola (20 min)
9.15	Lecture II: What is climate change? I. Causes, observations and projections. Prof. Timothy Carter (45 min)	Lecture II: Projections of temperature-related excess mortality under climate change scenarios. Prof. Jouni Jaakkola (45 min)	Lecture III: Climate change and conflicts. Prof. Colin Butler (45 min)
10.00	Coffee break	Coffee break	Coffee break
10.30	Lecture III: What is climate change? II. Socioeconomic impacts, vulnerabilities and responses. Prof. Timothy Carter (45 min)	Theme: <i>Climate change and secondary health effects</i> Lecture III: Biodiversity and health Professor Emeritus Tari Haahtela (45 min)	Lecture IV: WHO climate change and health activities. Prof. Vladimir Kendrovski (45 min) Discussion
11.15	Lecture IV: Climate change and global health. Prof. Colin Butler (45 min)	Lecture IV: Climate change, pollen and allergic diseases. Docent Timo Hugg (45 min)	
12.00	Lunch	Lunch	Lunch
13.00	Lecture room F202 Lecture V: Oulu climate change and health activities. Päivi Laajala, Mayor of the city of Oulu (20 min) Lecture VI: EU climate change and health activities. Member of the European Parliament Sirpa Pietikäinen (20 min) Discussion	Group work	Lecture room 101A Future perspectives. Panel discussion: Moderator Prof. J. Jaakkola, discussants Prof. V. Kendrovski, Prof. C. Butler. Closing words, Prof. Jouni Jaakkola
14.00	Group work info		
14.30	Coffee break	Coffee break	
15.00	Group work	Lecture room F101 Group work discussions	

Some changes may occur.

Group work themes

- Heat-related health effects
- Societal effects: conflicts, famine, migration
- Pollen and allergic diseases
- Housing and health

Course material

Butler, CD (ed.) Climate Change and Global Health. Revised Reprint. CABI 2016, 318 p.



Course lecturers/speakers

Professor Colin D. Butler, Australia. Professor Butler 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. Professor Butler is the editor of the book “Climate Change and Global Health” used during the course. He is the initial co-chair of the Health-Earth network.

Research Professor Timothy Carter, Finnish Environment Institute, Finland. The expertise of Professor Carter is related to climate change impact and adaptation; scenario development and application; vulnerability indicators; impact modelling as well as spatial mapping. He is one of the leading authors of the report on climate change impacts, adaptation and vulnerability, by the IPCC, the Intergovernmental Panel on Climate Change. He has been a contributor to these reports for over twenty years.

Professor Vladimir Kendrovski, WHO European Centre for Environment and Health. 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.

Professor Emeritus Tari Haahntela is a specialist in Pulmonary Medicine and Allergology, and former Professor of Clinical Allergology in the University of Helsinki (-2012). He is the Chairman of the Finnish Asthma (1994-2004) and Allergy Programmes (2008-2018). He is an Editorial Board member of several scientific journals, Board member of Global Initiative of Asthma (GINA) and World Allergy Organisation (WAO). His research interest is the origin of allergy, asthma and other immune disorders, and especially their association to environmental and life-style changes. He has postulated the

biodiversity hypothesis to explain an increase in the occurrence of asthma, allergies and other autoimmune diseases.

Member of the European Parliament Sirpa Pietikäinen M.Sc. (Economics), Finnish Member of the European Parliament representing the European People’s Party (EPP) since 2008. Finland’s Minister of Environment from 1991 to 1995 and a Member of the Finnish Parliament from 1983 to 2003.

Mayor of the City of Oulu Päivi Laajala M.Sc. (Admin), Mayor of Oulu 1.4.2017–. In 2008–2017 Päivi Laajala served as Director-General, Head of The Department for Local Government Department, subsequently Regional Administration and Regional State Administrative Department at the Ministry of Finance. In 2005-2008 Laajala served as Deputy Mayor of City of Oulu. Prior to this, she has worked as Mayor of City of Kannus, Mayor of Kauhajoki Municipality and as Director of social- and welfare department in Pielavesi Municipality.

Professor Jouni J. K. Jaakkola, CERH, University of Oulu, Finland. Director of the Center for Environmental and Respiratory Health Research (CERH) and WHO Collaborating Centre in Global Change, Environment and Public Health, University of Oulu. Jaakkola has since 1980’s conducted research into environment and health in populations applying epidemiologic methods and combining multidisciplinary collaboration. In 2009, he established CERH and initiated a research program on Global Change, Environment and Public Health. This program includes studies on primary, secondary, and tertiary health effects of climate change and other topics linked to climate change and health. He is the initial co-chair of the Health-Earth network.

Docent Tiina M. Ikäheimo, CERH, University of Oulu, Finland. The research of Dr Ikäheimo focuses on the effects of extreme temperature on human health, especially in identifying susceptible populations 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.

Docent Timo Hugg, CERH, University of Oulu, Finland. The expertise of Dr. Hugg is related to pollen dispersal between in- and outdoor environments, pollen concentrations in different urban environments, and the effects of environmental exposures on asthma, allergic diseases and symptoms.

Postdoctoral researcher Klemetti Näkkäläjärvi, University of Lapland, Finland. 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. Näkkäläjärvi has been working as full-time president of Finnish Saami parliament for seven years and he has been studying reindeer herding and Saami culture from the 1990. Currently Näkkäläjärvi is working as a postdoctoral researcher studying the influences of climate change to Saami reindeer herding. His current research interests concern also changes in biodiversity and its influences to Saami people.

More information: www oulu fi/cerh/node/54655

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