

Seminar on Climate Change Impact research for Mitigation strengthening

Time: 31st August, 14:00 – 15:30 **Place:** DC:467, Design Centre, Sölvegatan 26, Lund

Speaker: **Professor Tord Kjellstrom**

Visiting Fellow at the Australian National University and Senior Research Fellow, Centre for Technology Research and Innovation, Cyprus; Management team member of EU H2020 Heat-Shield project.

Formerly Professor of Environmental and Occupational Health at universities in New Zealand, Australia and the United Kingdom, and Visiting Researcher at the Lund University Pufendorf Institute.

40 years experience in research and teaching in this field with a focus during the last 20 years on Climate Change impacts on Health and well-being in particularly affected communities in low and middle income countries. He and his team has published more than 100 papers and reports on heat effects on people at work.



Climate change is progressing around this planet and the serious heat waves this northern summer are symptoms of the difficult conditions that are emerging. The focus on the mitigation debate in all countries is on what can be done in the country to reduce our greenhouse gas (GHG) emissions. This is essential, but another way to have an influence on the climate change trends is via research on the impacts and mitigation solutions that can be promoted in the countries with the largest GHG emissions (China, USA, India, European Union, Nigeria, and Brazil).

If you are a student or staff member in LU/LTH and are concerned about climate change and its' effects on the planet you will still live on for many decades, then you can have an influence on the climate change policies and reduce the impacts via research and analysis. Our focus in the seminar is on Heat and how it undermines social and economic development. Your work could analyse and describe the Heat problems in the large GHG countries, and link this analysis to the impacts and costs of Mitigation methods (e.g. renewable energy systems) that reduce GHG emissions. If our research leads to China reducing its' GHG emissions by 1%, it is 3 times more than all GHG emissions from Sweden.

This field is truly inter-disciplinary and involves these disciplines and others: Thermal Ergonomics, Climate modelling, Occupational and Public Health, Urban planning, Architecture and Design, Energy analysis, Engineering, Management Systems, Economics and Sociology.

Professor Kjellstrom will give examples of his own research on this topic and encourage a dialogue and discussion about new research initiatives with international cooperation as a key feature. Enthusiastic researchers at LU/LTH can engage in this truly international work, and prepare funding proposals for research at a time when government authorities are particularly aware of the negative impacts of increasing environmental heat levels.

Please come and share ideas on how research can limit Climate Change !