
Invitation for a Climate Dialogue- 'Tænketræf'

*at CONCITO,
conference room, 1st floor, Læderstræde 20, 1201 Copenhagen K
on 23 October 2023 from 10.30 – 12.30 hrs*

Cooling – a multipurpose tool to addressing climate change? Pre-view of the first ever Global Cooling Stocktake Report

Cooling – a multipurpose tool to addressing climate change – mitigation, adaptation & resilience in the Global North and the Global South.

Cooling is fundamental to quality of life in a warming world. It provides thermal comfort to vulnerable populations, keeps food safe on its journey from farm to fork, ensures that vaccines are stable and accessible, and enables workforces to remain productive and digital economies viable. But the growth in cooling is leading to a substantial increase in energy use and greenhouse gas emissions.

Demand for cooling is expected to triple by 2050 because of rising temperatures, urbanization, and growing household income. Meeting that demand will require 8,000 new power plants or almost doubling the expansion of renewable energy the next five years and put strain on electricity infrastructure. The number of cooling appliances could grow by a factor 15 in Africa, and parts of South-Central Asia. Annually, food volumes that could feed almost 900 million people is wasted because of lack of cold chains. Under business as usual, global greenhouse gas emissions from cooling are projected to reach 3.5 billion tons of carbon dioxide equivalent (CO₂e) by 2050.

Applying best policies pathways, emissions from cooling could fall 97 per cent to near-zero. Passive cooling strategies, including nature-based solutions, and energy efficient cooling systems, can be multipurpose tools for addressing emission reductions, adaptation, resilience, and sustainable development.

Against this backdrop, CONCITO has supported the multistakeholder Cool Coalition under UNEP in developing the first ever Global Cooling Stocktake Report to be presented at COP28. The report examines the mitigation potential and policy actions in four main market sectors: residential and non-residential space cooling; and residential and non-residential cold chains. It provides a global status check and overview of implemented country actions and outlines the pathways to get to near-zero emissions in key cooling sectors.

Programme

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| 10.00 – 10.30 | Arrival and coffee |
| 10.30 – 10.32 | Welcoming remarks By Deputy Director Jarl Krausing, CONCITO, |
| 10.32 – 11.15 | Preview presentation of the first Global Cooling Stocktake Report |

by *Professor Radhika Khosla, Oxford University*, Lead author of the report

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| 11.15 – 11.30 | Cool Coalition strategies on cooling for COP28 and beyond by <i>Head of Cool Coalition Secretariat, Lilly Riahi, UNEP</i> |
| 11.30 – 11.45 | A private sector perspective on challenges and opportunities linked to the cooling agenda at national and global level by <i>VP Rasmus Abildgaard Kristensen, Danfoss (tbc)</i> |
| 11.45 – 12.25 | Q & A and debate |
| 12..25- 12.30 | Close of meeting |

Registration

Register before Friday 13 October 2023 at noon using this [link](#).

Calender invitations are not issued for Think Tank Climate Dialogues so kindly note the date and time in your calender.

Questions can be directed to Dorthea Damkjær via e-mail dd@concito.dk or mobile phone + 45 2082 3472.

On Climate Dialogues

The purpose of CONCITO Climate Dialogues is to create a space for dialogue climate related issues. Experts, academics, stakeholders, and decision makers meet to exchange knowledge, reflect on current affairs and their impact on the climate change challenge and create options for common understanding. Chatham House Rules applies, and thus the expertise and reflections of participants cannot be quoted after the session and will only form part of a general summary and used as background information. Therefore, the Dialogues are not recorded.