ClimApp

(Translating climate service into personalized adaptation strategies to cope with thermal climate stress)

Duration: 36 months (September 2017 – August 2020)

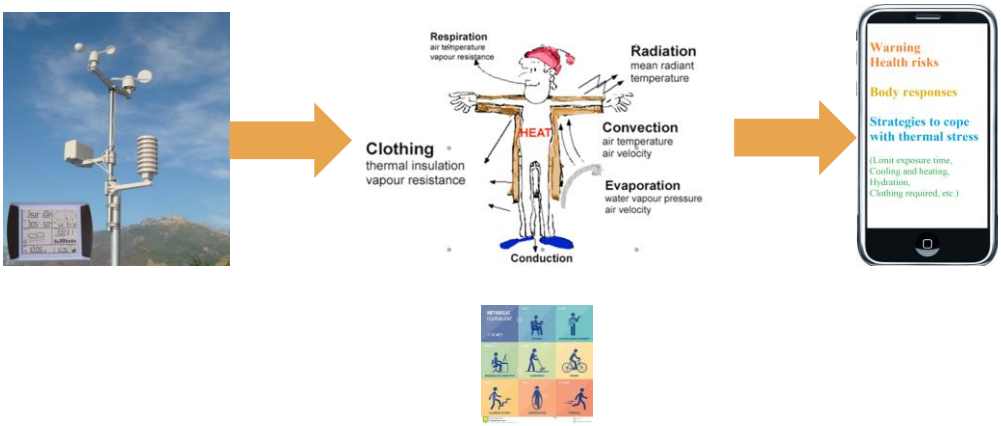
Web: http://www.lth.se/climapp

A project funded under ERA4CS

Your elevator pitch

Extreme weather events such as heat waves and cold spells are major health challenges. The impacts of heat and cold stress are dependent not only on climate factors, but also on individual thermoregulation capacity, metabolic heat production, and clothing. The overall aim of this project is to develop an advanced mobile phone App that integrates weather forecast data into human heat balance models and individual user characteristics. The App will predict thermophysiological responses, to provide timely recommendations for individuals and public and private sectors, to support decision-making for adaptation strategies, to improve thermal resilience, health and productivity when facing thermal climate challenges.

Human heat balance models and heat indices
(WBGT, PHS, PMV, IREQ)



5 key words to be "googled"

Thermal climate, heat and cold stress, thermophysiology and heat balance, personalized mobile phone App, adaptation strategies

About you and your interest

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Coordinator of ClimApp project (http://www.lth.se/climapp)

Main research interest: human thermal climate interactions, climate change and health, heat and cold stress, thermal comfort, thermophysiology, adaptation strategies to alleviate thermal stress in the context of climate change.

About the project consortium

The competence of the consortium is of multidisciplinary nature covering the expertise in interrelated areas of seven organizations in four countries and engagement of nine stakeholders and end users from public and private sectors in seven countries across Europe.

Organization	**Country**	**Role**
Lund University (LU)	Sweden	Coordinator (Lead PI)
FritzdorfSport	Sweden	Subcontractor, expert in smartphone hydration App development
University of Copenhagen (KU)	Denmark	PI
Technical University of Denmark (DTU)	Denmark	PI
VU University in Amsterdam (VU)	The Netherlands	PI
Regional Public Health Services Gelderland-Midden (VGGM)	The Netherlands	Subcontractor, expert in public health service
MeteoSwiss	Switzerland	Climate service provider, non-budget beneficiary