

Climate Lab, LTH, Lund University, Sweden

Research and education in the area of climate, extreme weather events, heat and cold stress, and health. Coordination and participation in ongoing research projects: ERA4CS ClimApp, EU H2020 Heat-Shield, EU H2020 Enbel, Belmont AWARD-APR.

AREAS OF ACTIVITY

Climate Services

Education

EU Projects

Health Sector

Research & Development

PROJECT

ClimApp: Translating climate service information into personalized adaptation strategies to cope with thermal climate stress

ClimApp is an EU JPI Climate ERA4CS project. The mobile phone App integrates weather forecast and individual factors into human thermal models and thermal indices, provides personalized health risk warnings and advice to cope with heat and cold stress when facing extreme weather events. The App is developed in Europe and works globally. It helps to improve decision-making for adaptation.

Other videos on the ClimApp project:

https://www.youtube.com/watch?v=Jr9x5z_yxig

<https://www.youtube.com/watch?v=SrYG5vuNYJ8&t=2s> Contact: Chuansi Gao

<https://www.ecca21.eu/participants/430> Official website of the project:

<https://www.lth.se/climapp/>

Applies to

Health

Climate services

Adaptation strategy

Extreme weather events

Climate change adaptation

Disaster risk management and reduction

Decision support tools, decision-making



ECCA 2021 - Climate Adaptation solutions – ClimApp

Video <https://youtu.be/SmJrrDScmIs>

ECCA 2021 - Climate Adaptation solutions - ClimApp
ClimApp incorporated four ISO standards

Copy link

The diagram illustrates the range of environmental heat and the corresponding ISO standards used in ClimApp. It shows three temperature points: -50 C, +23 C, and +50 C. A red arrow labeled 'Environmental heat' points from left to right, indicating the direction of increasing heat. Below the arrow, the corresponding ISO standards are listed: IREQ (Clo), Wind Chill for -50 C; PMV / PPD for +23 C; and WBGT, PHS (hydration) for +50 C. The +23 C point also includes a 'Seven-point thermal sensation scale' table.

Seven-point thermal sensation scale	
+3	Hot
+2	Warm
+1	Slightly warm
0	Neutral
-1	Slightly cool
-2	Cool
-3	Cold

Watch on YouTube