

CoP Small Work Group 1: Prediction and Prevention of Heat-related Health Risks across Time Scales

BEN ZAITCHIK & CASCADE TUHOLSKE, CO-CHAIRS

Primary Goal

To reduce morbidity and mortality associated with extreme heat events and rising temperatures through reliable, decision-relevant integrated information systems, that include early warning, targeted to reduce heat impacts on vulnerable populations.

This effort will focus on identifying, applying and documenting Earth observation (EO) needs to reduce heat-related health risks.

The goal is to build a globally relevant capacity to use EO to understand, predict, and reduce health risks from heat across time scales.

2022 Activities

Ongoing informal seminar series: research presentations from Xiaojiang Li, Ashish Sharma, and Zach Guido

Heat research showcase for the GEO-Health CoP

Focused discussions on EO heat products and urban heat monitoring

Exchange of experience and funding announcements. The Heat Small Working Group had several members succeed in heat-related proposals to NASA, DOE, and NSF, among others

Continued brainstorming for collaborative Work Group activities, but no direct actions to date

Plans for 2023

Option 1: continue with the current model. The Work Group offers a useful forum for research talks and scientific exchange

Option 2: focus on one or more research topics and seek funding to pursue a collaborative project

Option 3: select one or more topics of shared interest and write a perspectives piece or other publishable output that draws on the Work Group's collective experience