cyCLONE: CLimate change impacts on the ONset of diseases and Eco-anxiety in Catalonia

Description

Climate change is long known to have an impact on different aspects of human health. CLIMATICAT addresses the impacts of climate on the health of the Catalan population, focusing on mental health. We address this topic by integrating different kinds of data: temperature, air pollution, geographic movement, and health (diagnoses, exacerbations, deaths).

Our analyses will lead to the identification of which groups of individuals are most vulnerable to climate change impacts, including anxiety caused by climate change existential threats (an estimation of the prevalence of eco-anxiety will be made), what diseases are the most expected to co-occur with mental health diseases, and how likely these co-occurring diseases are to be exacerbated by climate change events. All the results and data used in the analyses will be available through an interactive dashboard.

Aquest projecte forma part de la convocatòria Ajuts per finançar projectes de recerca per la mitigació i adaptació al canvi climàtic 2023, amb el suport del Departament de Recerca i Universitats, el Departament d'Acció Climàtica, Alimentació i Agenda Rural i el Fons Climàtic de la Generalitat de Catalunya.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación