

The EHRU Climate and Health Research Programme's Global Learning Series

Time series analysis of climate and environmental drivers of air pollution-related and vector borne diseases – wavelet transform analysis as a methodological approach and some issues with One Health data



Speaker: Suzana Blesic
Date: 14 August 2024
Time: 16h00 – 17h00

Suzana Blesic, PhD., MSc., BSc., is a statistical physicist and a data scientist based at the Institute for Medical Research Laboratory for Neurophysiology in Serbia. Her research is mostly on time series analyses of records from various complex systems.

Suzana's earlier work included the analyses and modelling of neuronal code using constant electrical activity. After completing her PhD, she then focused on temporal variations of and variable fluctuations in other complex systems in which she aimed to sharpen the mathematical and numerical tools and gaining a different perspective on the problem of understanding the recorded data from complex systems, which result

from almost limitless influences from different (mostly temporal) scales.

Currently, Suzana is working with records from climate systems and is particularly interested in climate and environmental drivers of various socio-economic, including health outcomes. Her goal is to try and grasp as many universal characteristics of these systems so that afterward she might be able to see and understand the features of any of these systems that were not seen and/or explained before.

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