WORKSHOP ON TIME-SERIES DESING TO ESTIMATE SHORT-TERM EFFECTS OF ENVIRONMENTAL HEALTH RISK FACTORS IN THE EASTERN MEDITERRANEAN AND MIDDLE EAST (EMME)

Monday, October 11th 2021
12:30 – 14:30 CEST

- Time-series regression analysis is a key public health tool for investigating the short-term effects of environmental risk factors.
- This workshop offers a general introduction to the basics of the time-series design and a description of the basic statistical modelling process for the most common environmental risk factors in the EMME.
- The workshop will combine a theoretical introduction with practical examples and real data.

Contents:

Basic concepts for the time-series design:

- Trend and seasonality
- Exposure-response and lagged effects

Quantifying short-term effects of environmental risk factors:

- Extreme temperature effects
- Air pollution and desert dust exposures

Who should participate? The workshop is aimed at any scientists and graduate students who are interested in the field of environmental health, as it will focus on a study design widely used in environmental epidemiology. At the end of the workshop, participants will be able to understand the state-of-the-art methodology for time-series regression to estimate the short-term effects of environmental risk factors within their own research projects.

Facilitator: **Dr Aurelio Tobias**, Associate Professor, Institute of Environmental Assessment and Water Research (IDAEA), Spanish Council for Scientific Research (CSIC), Barcelona, Spain.

Registration: Please register until October 8th by clicking here.

Inquires: Please contact Aurelio Tobias at aurelio.tobias@idaea.csic.es

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