

Using environmental data in occupational and environmental epidemiology: the first joint workshop of AG 3 & AG 10

Environmental and occupational epidemiologists often apply similar analytical methods in different contexts, but we can also learn from each other and from our methodological distinctions. The advance of climate change raises the importance of environmental data in occupational studies. The Planetary Health approach acknowledges the interconnection between the health of people, animals, plants, and the environment, and requires more transdisciplinary collaborations. This first joint workshop of our working groups is one step towards this favorable vision.

In this workshop, we want to explore methods and topics of interest for environmental and occupational epidemiology. We also want to highlight the links between these two fields and foster an integrative thinking. In a recent survey of both working groups, the group members suggested several methodological topics for the collaboration. The methodological topics with the highest voting were selected for the joint workshop of AG 3 and AG 10:

- environmental data sources in environmental or occupational epidemiological studies,
- estimating dose-response relationships,
- using generalized additive models to model temporal and spatial relationships,
- socioeconomic data as a confounder or effect modifier in environmental and occupational epidemiological studies.

While we are interested in mutual learning of methods, we also welcome presentations of research applying the aforementioned methods, and of course, encourage the presentation of new approaches. Furthermore, contributions examining the intersection between environmental and occupational epidemiology, such as the impact of climate change on health in occupational and residential conditions (e.g., changing workloads due to extreme temperatures) are also welcome. We also encourage presentations of works in progress.

This **hybrid** workshop will be held **in English** at the Federal Institute of Occupational Safety and Health (Bundesanstalt für Arbeitsschutz und Arbeitsmedizin, BAuA) in Berlin. If you would like to present your work at the workshop (related to one of the topics described above), please, send us the title of your proposal for a contribution and a short description (2-3 sentences) by simply answering to this email.

Date of workshop: September 7-8, 2023

Deadline for submission of short abstracts: April 30th, 2023

We will come back to you with a more detailed program of our workshop in good time before the meeting and hope to meet you in Berlin!

The speakers of AG 3 und AG 10: Katarzyna Burek, Janice Hegewald, Jean-Baptist du Prel, Stefanie Lanzinger, Kateryna Fuks, André Conrad, Dietrich Plafß