

Special Issue

Source Attribution of Air Pollution in Europe

Message from the Guest Editors

To design effective mitigation strategies to reduce air pollution exposure in Europe, a thorough understanding of the origin of air pollutants is required. This Special Issue aims to collect a body of original research on source attribution studies in Europe. We welcome dedicated experimental studies that elucidate the contributions of single-source types based on specific source tracers or a set of sources using receptor modelling. Furthermore, we welcome model-based studies that quantify—as well as show improvements in such calculations—source contributions to air pollution levels. New modelling approaches employ different labelling and perturbation techniques with variable strengths and weaknesses. Relevant contributions include those from, for e.g., natural sources, anthropogenic source sectors, specific source regions, and local and transboundary contributions. Assessments may analyze and compare different time horizons, for e.g., annual means, seasonal variability, and/or episodes. The evaluation and comparison of different source attribution approaches is a topic of particular interest.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

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