



## Eddy Covariance Methodology for Carbon, Water and Energy Exchanges

Guest Editor:

**Dr. Nicola Arriga**

Joint Research Centre, European  
Commission, Ispra, Italy

Deadline for manuscript  
submissions:

**closed (5 May 2023)**

### Message from the Guest Editor

Dear Colleagues,

Twenty-five years ago, a few pioneering groups started measuring fluxes of carbon dioxide, water, and sensible heat between forests and atmosphere with a promising methodology: eddy covariance. This Special Issue aims to collect updated views on eddy covariance applications including, but not limited to:

- Exchanges from “hot spots” or underrepresented surfaces (e.g., Mediterranean, Tropics, urban or water surfaces);
- Long-term ecosystem productivity and hydrology;
- Integration with land-surface modelling or numerical weather prediction schemes.

Dr. Nicola Arriga  
*Guest Editor*





an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Daniele Contini

Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

## 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!

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

**Journal Rank:** CiteScore - Q2 (*Environmental Science (miscellaneous)*)

## Contact Us

---

Atmosphere Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/atmosphere](http://mdpi.com/journal/atmosphere)  
[atmosphere@mdpi.com](mailto:atmosphere@mdpi.com)  
[X@Atmosphere\\_MDPI](https://twitter.com/Atmosphere_MDPI)