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Eddy Covariance: A Practical Guide to Measurement and Data Analysis (Paperback)

By -

Springer, Netherlands, 2014. Paperback. Book Condition: New. 2012 ed.. 229 x 152 mm. Language: English . Brand New Book. This highly practical handbook is an exhaustive treatment of eddy covariance measurement that will be of keen interest to scientists who are not necessarily specialists in micrometeorology. The chapters cover measuring fluxes using eddy covariance technique, from the tower installation and system dimensioning to data collection, correction and analysis. With a state-of-the-art perspective, the authors examine the latest techniques and address the most up-to-date methods for data processing and quality control. The chapters provide answers to data treatment problems including data filtering, footprint analysis, data gap filling, uncertainty evaluation, and flux separation, among others. The authors cover the application of measurement techniques in different ecosystems such as forest, crops, grassland, wetland, lakes and rivers, and urban areas, highlighting peculiarities, specific practices and methods to be considered. The book also covers what to do when you have all your data, summarizing the objectives of a database as well as using case studies of the CarboEurope and FLUXNET databases to demonstrate the way they should be maintained and managed. Policies for data use, exchange and publication are also discussed and proposed. This one...



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Reviews

Thorough information! Its this kind of very good read. It is writter in basic words and not hard to understand. You wont feel monotony at anytime of your respective time (that's what catalogues are for regarding should you question me).

-- **Roel Bogisich Sr.**

Definitely one of the best book We have at any time go through. It is actually filled with wisdom and knowledge I am quickly could get a delight of studying a published book.

-- **Dr. Kim Bergnaum**