Special Issue

Frontiers in Quantifying CO_2 Uptake by Forests

Message from the Guest Editors

Forests capture the primary greenhouse gas carbon dioxide (CO2) from the atmosphere and are therefore considered an important aspect in tackling climate change issues. To assess the effectivity of forests in removing CO2 from the atmosphere and to set climate change mitigating actions on a solid basis, it is fundamental to accurately quantify CO2 uptake by forests. This Special Issue invites contributions dealing with forest CO2 capture dynamics in all kinds of forest ecosystems across the globe. Specifically of interest are new developments in quantifying forest CO2 uptake, methodological problem discussions, method improvements, method intercomparisons and synthesis studies. The overall aim of this Special Issue is to offer a comprehensive overview of the state of the art of methods to quantify forest CO2 uptake. The synergy of the contributions to this Special Issue may optimize our understanding of forest CO2 capture dynamics by reducing approach-related uncertainties.

Guest Editors

Dr. Georg Jocher

Dr. Natalia Kowalska

Prof. Dr. John D. Marshall

Deadline for manuscript submissions

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Atmosphere
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

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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

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

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