

Special Issue

Drought Risk Management in the Context of Climate Change

Message from the Guest Editors

With climate change, droughts are increasing in recurrence, severity, duration, and spatial extent. The drought risk will be one of the most important threats of this change, often in conjunction with other impacts such as temperature rise and changing ecosystems. This calls for an accelerated and improved fight against the devastating effects of droughts, which manifest themselves quite differently depending on the location including (agro-)ecosystems, water regime, welfare of people and nations, resilience mechanisms, etc. Since adaptation to climate change is receiving increasing attention, this is also a suitable moment to review the evidence of (changing) drought risks and drought risk management and identify knowledge, technological, political and implementation gaps to guide promising developments for the future. Key elements of drought risk management must be reviewed: drought monitoring and early warning systems, vulnerability and impact assessments, impact mitigation, and drought response measures. Not least, coordination mechanisms are needed to make these elements synergistically work together.

Guest Editors

Dr. Daniel Tsegai

External Relations, Policy and Advocacy Unit, United Nations Convention to Combat Desertification (UNCCD), Platz der Vereinten Nationen 1, 53113 Bonn, Germany

Dr. Michael Bruentrup

German Development Institute / Deutsches Institut für Entwicklungspolitik (DIE), Tulpenfeld 6, 53113 Bonn, Germany

Deadline for manuscript submissions

closed (15 December 2021)



Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.9



mdpi.com/si/42750

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

[mdpi.com/journal/
atmosphere](https://mdpi.com/journal/atmosphere)





Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.9



[mdpi.com/journal/
atmosphere](https://mdpi.com/journal/atmosphere)



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

Dr. Daniele Contini

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

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))