



Climate Variability and Human Impacts in Central Europe Based on Documentary and Instrumental Data

Guest Editors:

Dr. Rudolf Brázdil

Dr. Miroslav Trnka

Dr. Petr Dobrovolný

Dr. Petr Stepanek

Dr. Lukáš Dolák

Deadline for manuscript
submissions:

closed (30 April 2022)

Message from the Guest Editors

The focus of this Special Issue concentrates on characterizing long-term climate variability on the scale of past 500-year climate reconstructions based on documentary data (temperature, precipitation, droughts) as well as on the analysis of recent climate change based on instrumental meteorological observations (temperature, precipitation, snow cover, etc.) with respect to circulation patterns in Central Europe. Particular attention is devoted to the analysis of climate anomalies, climate and weather extremes with the most serious impacts on human society. These types of studies focus particularly on the most endangered sectors of human society represented, among others, by loss of human lives and material damage caused by hydrometeorological extremes. The knowledge obtained from proposed studies seems to be crucial for understanding recent and future climate change and for the management of adaptation measures for ensuring future sustainable environmental development in this part of Europe.





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

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
[X@Atmosphere_MDPI](https://twitter.com/Atmosphere_MDPI)