

## Special Issue

# GIS Modeling and Remote Sensing: Insights into the Past, Present and Future of Global Climate Change

### Message from the Guest Editors

This Special Issue, based on the suggested theme, will bring together innovative studies using geotechnologies associated with Geographic Information Systems (GIS) to analyze the effects of climate change in regional and global case studies. It will monitor climate change and model climate and environmental patterns, exploring current impacts and projections of future scenarios, aiming to provide subsidies for effective decision-making for mitigating and adapting to climate change both at the level of natural ecosystems and in agriculture. This Special Issue will serve as a forum for the dissemination of advances in multisource data use, such as satellite/sensor images, meteorological data, and computational modeling for analyses at temporal and spatial scales.

### Guest Editors

Dr. Jhon Lennon Bezerra Da Silva

Dr. Marcos Vinicius Da Silva

Dr. Henrique Oliveira

Dr. Antonio Evami Cavalcante Sousa

### Deadline for manuscript submissions

18 February 2026



## Atmosphere

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*Atmosphere*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[atmosphere@mdpi.com](mailto:atmosphere@mdpi.com)

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## 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!

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### 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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