



Greenhouse Gases Monitoring, Inventory, and Modelling Studies in Poland

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Message from the Guest Editors

Dear Colleagues,

To summarize the state of GHG research in Poland, this Special Issue aims to provide a consistent source of information concerning past and present activities regarding different aspects of atmospheric greenhouse gases studies, as well as allow a better exchange of knowledge about GHG research and strengthening cooperation between research groups working in different aspects of climate change observed in this region of Europe. Original results, review papers, and model studies related to the following aspects are all welcome contributions:

- Long-term observations of greenhouse gases at remote sites in Poland and Central/Eastern Europe;
- Carbon cycle studies in urban areas;
- Application of stable and radioactive traces in greenhouse gas studies;
- Greenhouse gas emission estimations for Poland;
- Role of different ecosystems in greenhouse gas balance in Poland;
- Modelling of emission, mixing ratios, and transport of greenhouse gases.

Dr. Mirosław Zimnoch

Guest Editor





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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!

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