

# Geomodelling Weather Patterns of Canada in 2050: Predictions and Implications

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## Summary

This paper presents a geomodelling approach to predict the weather patterns of Canada in 2050. Integrating satellite imagery, sensor data, and historical climate records, the study aims to provide insights into future seasonal variations, extreme weather events, and long-term climate trends. The findings highlight the potential impacts on various sectors and emphasize the role of advanced predictive models in climate change adaptation and mitigation.

## Theory / Method / Workflow

Description of geomodelling and its relevance in weather prediction.

Details of the data sources used: satellite imagery, ground-based sensors, and historical records.

Explanation of computational models and GIS techniques employed.

## Results, Observations, Conclusions

Detailed presentation of the geomodelling outcomes for Canadian weather in 2050.

Discussion of observed trends in seasonal variations and extreme weather events.

Analysis of the implications of these findings for different regions of Canada.

## Novel/Additive Information

Discussion of the novel aspects of this research in the context of existing literature.

The additive value of this study in the field of climate science and geomodelling.

## Acknowledgements