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TEASER With air transportation recovering around the globe, the policy focus shifts back to environmental protection and the climate change impact of air transportation. Arrival operations at airports form part of a substantial benefit pool. **WHY IMPORTANT** Little attention is currently given to the underlying mechanism of changing weather phenomena on arriving air traffic. **APPROACH** This paper presents the conceptual approach to describe arrival management sequencing as a spatio-temporal problem within 200NM around an airport. The success of the trajectory-based operations will be analysed in light of significant weather disruptions at the arrival airports and within the studied arrival horizon. **EXPERIMENT MAJOR RESULT/TAKE AWAY**

Note

This article is work in progress. We also use the Quarto manuscript project type to explore the new features. Please consult these pages regularly to follow any updates.

Introduction

Background

Concept, Methods, and Data

Results and Discussion

Conclusion

References