



Sustainability of Air Transport System: A Quantitative Assessment of Current and Future Developments

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Message from the Guest Editor

The air transport system generally includes demand and supply components, represented by the main actors/stakeholders involved. The former generally includes users (air passengers) and air freight/cargo shippers/receivers. The latter includes the airlines, airports, air traffic control, aerospace manufacturers, local communities around airports, and dedicated regional, national, and international regulatory/policy authorities (bodies). So far the system has grown at an average annual rate of about 5% in passenger and 6% in freight/cargo traffic. Such development has consequently created both positive effects/benefits and negative impacts/costs on society and the environment. The former have generally included a contribution to the globalization of the world's economy, local and global employment, and overall user welfare. The latter have included increasing local noise around airports, congestion and delays of transport services/flights and their users, an inherent increasing risk of incidents/accidents, emissions of GHGs contributing to global warming and climate change, land use, and waste.





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