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Airports and the Environment 2013

balancing the capacity enhancing needs of the national airspace system with the need to protect the environment can be challenging the faa estimates that the annual number of passengers travelling by air in the united states will grow from 750 million in 2012 to over 1 billion by 2023 it also forecasts a corresponding 20 percent increase in the number of flights which could add to existing flight delays and air traffic congestion even while the aviation system has grown and continues to grow airports have sought to limit the environmental impacts generated by their construction and operations such as noise water air and waste pollution in part to meet applicable legal requirements however airports environmental impacts have been a source of friction with neighbouring communities this book addresses the actions that airports have taken to reduce the environmental impacts of airport operations and development and the strategies they can adopt to mitigate delays in implementing capital projects and operational changes

Aviation and the Environment 2011-04

the faa estimates that the number of flights in the u s will increase 20 by 2024 it also has identified numerous airports that will need to expand to handle more flights however increasing airport capacity and operations poses potentially significant impacts on the environment and quality of life for surrounding communities this report addresses 1 airports actions to reduce their environmental impacts 2 the extent airports believe environmental issues delay development or operational changes and 3 the strategies airports can adopt to address environmental issues the report surveyed the 150 busiest airports as measured by the number of operations illus this is a print on demand edition of a hard to find report

Effects of Airports on the Society 2014-04-15

seminar paper from the year 2014 in the subject business economics supply production logistics grade 1 3 university of applied sciences wildau course aviation management master language english abstract the air transport industry is despite all challenges a continuously growing sector the world bank publishes registered airlines departures every year in 2012 3 3 times more planes departed than in 1975 and still 1 4 times more than in the year 2000 it is out of question that this rapid increase of aircraft movements of today more than 30 million per year had and will have effects on the surrounding areas of airports icao even predicts the number to rise up to 50 million by the year 2030 with many new airport facilities needed in germany the frankfurt startbahn west 18 construction in the 1980 s was one of the most negative experiences with two shot protesters this tragic event but also the ongoing protests around the world show the need of improving airport expansion strategies and interaction with the society this paper will therefore illustrate the positive and negative impacts of airport operations on the society further using the example of frankfurt airport and its pro and contra initiatives the social

responsibility of an airport will be described and possible solutions and opportunities to reduce conflicts will be brought up thereby sustainability of airports includes fields like economic profitability operational safety environmental responses to air operation impacts and the regional society social responsibility can be defined as the obligation of an organization's management towards the welfare and interests of the society in which it operates

Management of the Environmental Impact at Airport Operations 2009

this book provides a comprehensive guide to the economics of airports for all managers regulators and educators within the aviation industry written by three renowned experts but made accessible and relevant for all those working within the industry or aspiring to do so it is the perfect entry point for learning about the underlying economics of airports as a crucial component of the air transport system it explains the cost structures of airports and then relates these to how airports determine their charges it explains how charges at different airports vary whether this is due to different types of traffic different input prices ways of producing outputs or different levels of efficiency most airports are publicly owned or regulated and there has been a trend towards privatisation the book explains how airports have been regulated and assesses how well the regulatory structures have performed it discusses the trend towards light handed regulation and the reliance on competition where this exists the book examines the problems of limited capacity at airports and how these are resolved through slots and charging systems and the long term solution of investment in airports why it is controversial and how it can be achieved effectively it also considers the environmental impacts of airports and the issues these pose for managers from the well known problems of airport noise to the growing recognition of the impacts of air transport on climate change and the roles airports play in mitigating these consequences written for airport and airline managers regulators and students this book will suit bachelor's and master's programmes on air transport management

Guidance Notebooks for the Environmental Assessment of Airport

Development Projects: Users' guide 1978

temporary flight restrictions tfrs can be implemented for several reasons including security hazards space operations special events and vip travel vip tfrs specifically presidential tfrs have much greater impact than other types of tfrs because they encompass a larger geography are longer in duration and may have little advance notice the trb airport cooperative research program's acrp research report 224 understanding impacts to airports from temporary flight restrictions identifies financial and other ramifications of tfrs on airports and aviation related businesses also included as part of the report is an electronic tool that will estimate the financial ramifications of a tfr for a specific airport or related business further a video was created that shows how to use the spreadsheet with instructional voiceovers explaining its features

Interactions of Technology and Society 1974

seminar paper from the year 2013 in the subject business economics business management corporate governance grade 1 0 university of applied sciences wildau institute of technology language english abstract the air transport industry is despite all challenges a continuously growing sector the world bank publishes registered airlines departures every year in 2012 3 3 times more planes departed than in 1975 and still 1 4 times more than in the year 2000 it is out of question that this rapid increase of aircraft movements of today more than 30 million per year table 1 had and will have effects on the surrounding areas of airports icao even predicts the number to rise up to 50 million by the year 2030 with many new airport facilities needed in germany the frankfurt startbahn west 18 construction in the 1980 s was one of the most negative experiences with protests against airport extensions up to 120 000 people were demonstrating for more than 10 years two police men were shot and seven injured on one demonstration in 1987 after the runway was already operating for three years this tragic event but also the ongoing protests around the world show the need of improving airport expansion strategies and interaction with the society this paper will therefore illustrate the positive and negative impacts of airport operations on the society further using the example of frankfurt airport the social responsibility of an airport will be described and possible solutions and opportunities to reduce conflicts will be brought up thereby sustainability of airports includes fields like economic profitability operational safety environmental responses to air operation impacts and the regional society social responsibility can be defined as the obligation of an organization s management towards the welfare and interests of the society in which it operates

Airport Quotas and Peak Hour Pricing 1976

as both an enabler and accelerator of globalisation aviation has had profound and sometime unintended and unanticipated social and economic impacts commercial airports are not only transport nodes that facilitate aerial movement they are also major centres of employment but often sites of political contestation surrounding their planning and development as economic growth imperatives conflict with environmental concerns noise is often cited as being one of the most socially contested aspects of airport operations for local communities particularly when flights are operating during the night this is a particular challenge for cargo operators whose business model is based on rapid overnight delivery and distribution specific factors including night noise curfews and the provision and co location of freight forwarders are significant determinants of airport choice and this in turn leads to freight forwarding firms clustering at major freight facilities as well as meeting the mobility needs of business travellers and cargo consignors air travel also facilitates the mass movement of leisure passengers the benefits challenges and limits to growth of this market segment are explored together with the social economic and environmental challenges tourism creates for receiving countries the role of airlines in planning developing and marketing tourist destinations is also examined in this volume aviation led tourist development is particularly

pronounced in cities such as Singapore and Dubai where air service deregulation and airport airline destination marketing strategies have created not only major international transit hubs but also significant centres of international urban tourism in addition to serving routes with high levels of passenger and cargo demand aviation also performs a vital role for geographically remote and or inaccessible regions that cannot be rapidly accessed by road sea or rail owing to lower levels of demand the need for small and sometimes specially equipped aircraft and the vagaries of the local weather and climate these services are expensive to operate and may not be economically viable without subsidy experiences from the US and European Union examine some of the issues surrounding the operation of these services the volume concludes with consideration of aviation's environmental impacts and potential mitigation strategies such as the EU's emissions trading system

Guidance Notebooks for the Environmental Assessment of Airport

Development Projects 1978

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Airport Economics 2023-07-27

In this book, the authors gather and present current research in the study of the automotive and airport industries. Topics discussed include estimating airport efficiency, intelligent automotive braking technology and performance, shareholder value of European airports, the economic effects of air transportation, fuzzy large index model to assess the automotive supply chain, international financial and crisis impacts to the automotive industry, and microbial contamination of aviation fuel as a potential hazard for flight safety.

Understanding Impacts to Airports from Temporary Flight Restrictions

2020

trb s airport cooperative research program acrp report 160 addressing significant weather impacts on airports provides a web toolkit that raises airport operator awareness about vulnerabilities caused by significant weather events the toolkit helps airports develop more robust contingency and recovery plans in addition to their airport emergency plans this toolkit focuses on events that are rare but plausible that is events that may have happened in the distant past or in adjacent geographic areas but are not common event types at the airport itself and therefore may not be in the forefront of the airport managers minds publisher s description

Draft Environmental Impact Report for the Airport Element of the Regional Transportation Plan 1975

studienarbeit aus dem jahr 2012 im fachbereich tourismus sonstiges note 1 3 international school of management standort münchen sprache deutsch abstract 1 vorbemerkung 2 definitionen 3 der verkehrsflughafen 3 1 funktionen eines flughafens 3 2 attraktivitätskriterien eines flughafens 4 wirtschaftsfaktor flughafen 4 1 wirtschaftliche eckdaten 4 1 1 die quellen der erlöse 4 1 2 die kostenfaktoren 4 2 primärflughäfen in deutschland 4 2 1 flughafen münchen 4 2 2 flughafen frankfurt 4 3 die wirtschaftliche relevanz für region und land 4 3 1 direkte effekte 4 3 2 indirekte effekte 4 3 3 induzierte effekte 4 3 4 katalytische effekte 5 ausblick das image von flughäfen war schon mal besser als sie nach dem zweiten weltkrieg voraussetzung für die luftbrücke der amerikaner nach berlin waren waren sie symbol für das Überleben und den unbeugsamen willen einer stadt sich nicht von einem übermächtigen gegner in die knie zwingen zu lassen dann waren sie das tor zur großen weiten welt das nur für wenige privilegierte offenstand das deutsche tor zur welt und dreh und angelpunkt des internationalen transfers war zu jener zeit frankfurt genauer der rhein main flughafen 400 000 passagiere wurden dort 1952 abgefertigt und mit einer aus heutiger sicht eher überschaubaren flotte mit zwei zwischenstopps über den atlantik geflogen im laufe der folgenden jahrzehnte und im zuge eines kontinuierlichen wirtschaftswachstums gewann ein neuer begriff immer mehr an bedeutung mobilität zu wasser zu land und vor allem in der luft fliegen wurde erschwinglich luftfracht wurde zum geflügelten wort treibstoff schien unbegrenzt vorhanden zu sein und der notwendige aus oder neubau von flughäfen stand außer frage 2011 wurden allein im rhein main flughafen 56 4 millionen passagiere abgefertigt von den anderen airports deutschlands gar nicht zu reden aber die zeiten haben sich gewandelt mehr als en halbes jahrhundert nach der ersten euphorie hat sich das bild in der Öffentlichkeit vom flughafen als etwas besonderem geändert Ökologische aspekten werden zunehmend wichtig und heftige kämpfe und neue startbahnen sind an der tagesordnung es gibt kaum ein thema das zum einen so polarisiert und zum anderen ökonomisch für die region eine solch bedeutung hat der münchener franz josef strauß flughafen ist dafür das jüngste beispiel der bau einer neuen startbahn war einen bürgerentscheid wert und dass dieser abschlägig beschieden wurde bedeutet nicht dass in der sache das letzte wort gesprochen ist

Sustainable Growth of Airports 2014-05-21

reviews the range of risks to airports from projected climate change and the emerging approaches for handling them based on surveys of airports in the u s toronto and the u k

Metropolitan Washington Airports Policy 1980

trb s airport cooperative research program acrp synthesis 51 impacts of aging travelers on airports describes the challenges of wayfinding fatigue technology and equipment and needed amenities as well as the practices that airports are enacting to accommodate and improve the airport experience of aging travelers the report is designed to help users better understand the aging demographic and define issues and implement effective practices to accommodate aging travelers at airports publisher s description

Aviation Social and Economic Impacts 2019-10-21

trb s airport cooperative research program acrp report 34 handbook to assess the impacts of constrained parking at airports explores different types of parking constraints that airports experience and highlights tools to assess the impacts of the constraints and strategies to deal with them the handbook includes a predictive modeling tool in a cd rom format designed to help determine the effects of implementing various parking strategies the cd is also available for download from trb s website as an iso image

San Francisco International Airport Expansion 1977

many airports seek to understand their impacts on neighboring towns cities and regions through economic impact analyses employment studies and environmental studies such as those that focus on sustainability efforts or noise the trb airport cooperative research program s acrp research report 221 measuring quality of life in communities surrounding airports addresses an emerging need that airports have to take a more holistic look at how they affect their neighbors and how they can build stronger community relationships airports can benefit from a more comprehensive understanding of the variables affecting their surrounding communities over which they may have little to no control supplemental materials to the report include a dataset a quality of life assessment survey tool and a sample quality of life assessment introduction powerpoint

Environmental Impacts of Airport Operations, Maintenance, and Expansion -

Scholar's Choice Edition *2015-02-16*

Asia's emerging and growing megacities are expected to handle a large volume of air traffic flows for regional national and local economic development in wider production networks in some phases of development major capital investments to improve airport capacity and accessibility within megacities are required this report reviews urban policies on airport development and investment in airport infrastructure in Asian megacities analyzes the influence of airport system development on spatial transformation of megacities and offers policy options to promote economic competitiveness of growing and emerging megacities

Social Impacts of Civil Aviation and Implications for R and D Policy *1971*

The objective of this research is to develop a process to evaluate sustainability practices as they relate to the impacts on day to day airport operations and maintenance the elements of the evaluation process should include at a minimum the short and long term implications of maintaining the sustainability practice budgetary implications staffing issues appropriate metrics environmental impacts and a tool for conducting a cost benefit analysis project description

Airports and the Automotive Industry *2013*

This report reviews international experience in reconciling planning and environmental constraints with demand for airport capacity and the potential benefits in terms of productivity and growth from developing international airline services

T.F. Green Airport Improvement Program *2011*

Addressing Significant Weather Impacts on Airports *2016*

The regional economic impacts of airports in Germany *2012-10-26*

Sitka Rocky Gutierrez Airport, Airport Improvement Projects *2009*

Stapleton International Airport, Denver 1986

JFK International Airport Light Rail System 1997

BART-San Francisco International Airport Extension 1996

Airport Climate Adaptation and Resilience 2012

Lambert-St. Louis International Airport Improvements, St. Louis County
1997

Phoenix Sky Harbor International Airport 2006

Social Impacts of Civil Aviation and Implications for R & D Policy 1972

Impacts of Aging Travelers on Airports 2014

Handbook to Assess the Impacts of Constrained Parking at Airports 2010

An Airport Community Noise-impact Assessment Model 1980

New Bedford Regional Airport Improvements Project 2009

Measuring Quality of Life in Communities Surrounding Airports 2020

Developing Airport Systems in Asian Cities *2022-12-01*

Guidebook for Assessing Airport Lead Impacts *2016*

Evaluating Impacts of Sustainability Practices on Airport Operations and Maintenance *2014*

Final Environmental Impact Statement for Replacement Airport at Halls Crossing, San Juan County, Utah *1990*

***ITF Round Tables Expanding Airport Capacity in Large Urban Areas*
*2014-04-15***

Palmdale International Airport, New Airport *1982*

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