



# Tourism Management

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Note

## The tourism satellite account: foundations, progress and issues

[Douglas C. Frechtling](#)  

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### Abstract

In reaction to several decades of a pluralistic approach to measuring the impact of tourism on national economies, the tourism satellite account (TSA) has been proposed to provide consistent and comprehensive measurements across nations, through time, and with country's own systems of national accounts. The principles of national income accounting promulgated in 1993 by the United Nations and other multi-lateral organizations made provision for satellite accounts for activities not now separated in the national account structure. This article outlines the development of this new tool for analyzing the economic impact of tourism. It explains the concepts and coverage of the TSA and how it expands the scope of traditional tourism impact analysis. It outlines how the results may be employed in these analyses. It explores the major issues of developing the TSA concepts and measurement techniques, and why these are important to ensuring the full potential of this promising new analytical tool is realized.

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#### [Toward an accurate assessment of tourism economic impact: A systematic literature review](#)

2022, *Annals of Tourism Research Empirical Insights*

*Citation Excerpt :*

...The direct impact of the tourism industry has therefore been underestimated. In response, Frechtling (1999, 2010) introduced the TSA framework into the tourism literature, which split the outputs of each industry into tourism and non-tourism outputs based on expenditure data, then aggregated all tourism outputs, including all tourism-affiliated industries, as the output of the overall tourism industry. Compared to the representative sectors used in previous CGE

models, the TSA is much more accurate in measuring and assessing the direct impact of the tourism industry (Song et al., 2012)....

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2017, Tourism Management Perspectives

*Citation Excerpt :*

...In that purpose, we used GIS software QGIS, Grass GIS and SAGA, with tools of three-dimensional calculations (Bíl, Bílová, & Kubeček, 2012). The satellite recordings data were downloaded from the official web page of USGS (United States Geological Survey) and from the official web page Earth Explorer – LAND SAT (<http://earthexplorer.usgs.gov/>) we downloaded Aster Global Dem data with the exceptional view of Digital Elevation data (Wu & Chen, 2016; Frechtling, 1999). After we downloaded the data we exported them to the GIS software....

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2015, Annals of Tourism Research

*Citation Excerpt :*

...Other unsolved issues include the treatment of tourism gross fixed capital formation, tourism collective consumption, and subnational TSAs. For a detailed discussion on TSAs, see Frechtling (1999), Frechtling (2010) and UNWTO (2010). Nevertheless, Jones and Munday (2008) point out TSAs can be ideally used as a basis for CGE modelling....

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## Paths to success: Benchmarking cross-country sustainable tourism

2012, Tourism Management

*Citation Excerpt :*

...For instance, the economic impact of tourism activities is usually estimated on the basis of data on number of arrivals, receipt per tourist, average length of stay and other economic indicators. In order to correctly estimate tourism activity and the impact of tourism on national economies, some studies have developed tourism account methodologies (e.g. Frechtling, 1999; Frechtling & Horvath, 1999). Other studies have focused on the use of tourism resources (natural, cultural, etc.)....


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