

Measuring the Sustainability of Tourism

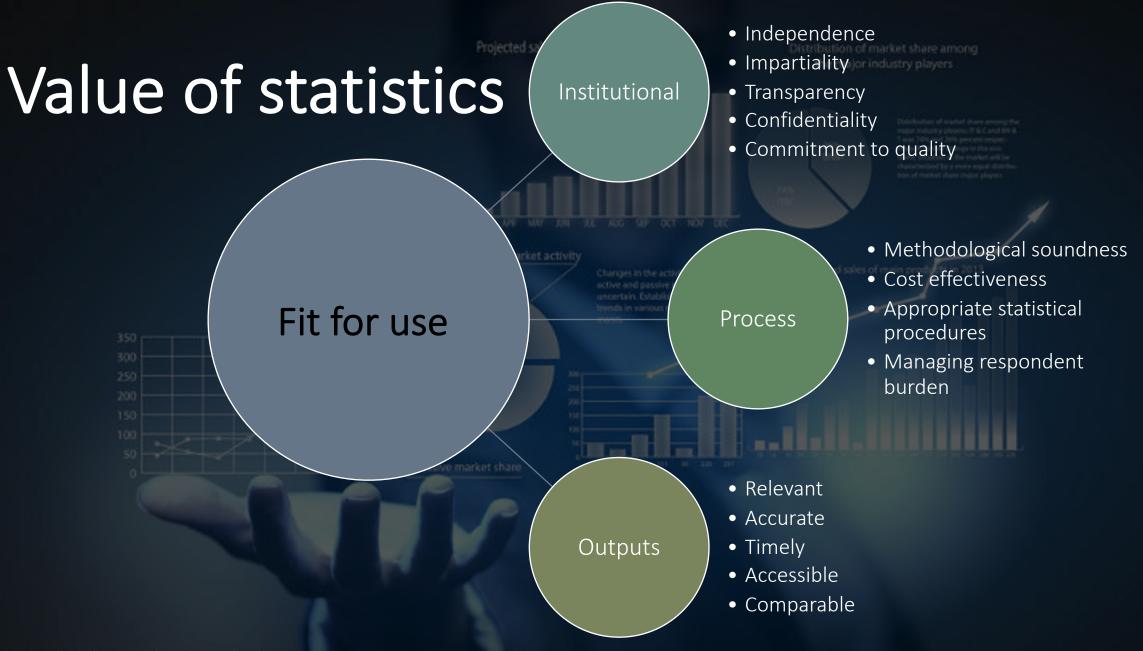
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Symposium on Country Experiences 14 December 2022

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Statistics

Mobilizing the power of data to make better decisions to serve the public good



Tourism

... is a social, cultural and economic phenomenon related to the movement of people outside their usual place of residence

... has an impact on the economy, the natural and built environment, the local population at the places visited and the visitors themselves

Sustainable Tourism

• Makes optimal use of environmental resources, maintaining essential ecological processes

• Respects the socio-cultural authenticity of host communities, conserves their living cultural heritage

• Ensures viable, long-term economic operations, providing socio-economic benefits to stakeholders

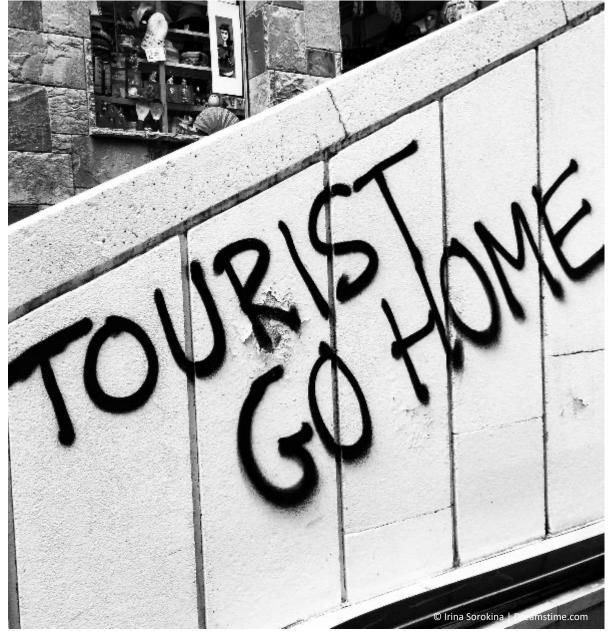
https://www.freepik.com/free-photo/man-wheelchair-his-nurse-enjoying-sunrisebeach_26388694.htm#page=2&query=disability%20tourism&position=6&from_view=search&track=aitestb">Image by fxquadro on Freepik



PARIS AGREEMENT ON CLIMATE CHANGE







Role of UNWTO in measurement

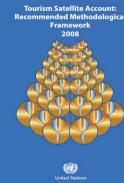
...to collect, to analyse, to publish, to standardize and to improve the statistics of tourism, and to promote the integration of these statistics within the sphere of the United Nations system

(United Nations General Assembly Resolution A/RES/58/232)

nternational Measurement Frameworks

Basic tourism statistics

International Recommendations for Tourism Statistics 2008 System of National Accounts 2008



Economic contribution

Sustainability

System of Environmental-Economi Accounting 2012 Central Framework



Visitors and their characteristics Tourism expenditure Tourism industries Tourism Direct GDP Tourism GVA Tourism employment



Environmental: emissions, water, energy, waste, land Social: decent work, health, education, culture, heritage Economic: industries, establishments, employment

Statistical Framework for MST

Environmental	Water Energy Waste Emissions Land, protected areas Ecosystems Biodiversity		
Social	Decent work Health Education, skills Income, wealth Institutions, governance Culture Heritage Perception/Attitudes	Global National Subnational	
Economic	GDP Industries Establishments Employment Visitor expenditure Investment	(Business)	

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MST around the world



*World Bank Official Boundaries. The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the UNWTO.

Role of the MST Pilots

- Test the framework for
 - policy relevance
 - feasibility
- Feed the framework under development with lessons "from the ground" to
 - Fine-tune the technical developments
 - Resolve key measurement issues
- Contribute to stakeholder engagement and consensus building

Some examples of MST pilots findings

Netherlands: 4% value added, 7% taxes (biggest polluters paid least)

Costa Rica: 1.4% of GDP is from nature-based tourism, of which half is from only 5 destinations Austria: €2,300 tourism income/capita, 78/100 acceptance

Egypt: accommodation Inbound>Domestic (energy) Domestic>Inbound (water)

Philippines: Domestic tourism 3x more water & energy than inbound tourism

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KwaZulu-Natal (South Africa): value of nature-based tourism: R12.9 billion Top contributors: savanna & grassland Samoa: 13 % GDP and 22% employment, 10% water and 12% electricity





EXPERIENCES FROM PILOT STUDIES IN MEASURING THE SUSTAINABILITY OF TOURISM

A SYNOPSIS FOR POLICY MAKERS Austria: A pilot study that culminated in a Masterplan in Tourism

Fiji: A roadmap to measuring the sustainability of tourism Germany: A new "Tourism-Sustainability Satellite Account" Italy: Measuring the impact of tourism-related air emissions

Mexico: Identifying areas of influence for measuring the sustainability of tourism

Philippines: Estimating water and energy consumption in tourism

Samoa: An extended Tourism Satellite Account (TSA) pilot exercise

Saudi Arabia: Estimating the environmental effects of tourism

Sweden: A method for estimating GHG emissions in tourism

Thailand: A regional pilot that resulted in a National TSA-SEEA System of Accounts

Vietnam: Land-based pollution in the Quang Ninh province





Seven new pilots

Costa Rica: Estimating the economic contribution of naturebased tourism

Indonesia: Environmental impacts of tourism in marine areas

New Zealand: Measuring the contribution of tourism to greenhouse gas emissions

South Africa: An experimental method to value nature-based tourism Spain, Canary Islands: Setting the focus on the micro-destination scale

Uganda: Integrating biodiversity and tourism accounts

Arab countries: A proposed roadmap for MST

Five existing pilots with further developments

Austria: monitors its Tourism Master Plan with MST-based indicators Fiji: Advancing the implementation of the roadmap on MST

Italy: Tourism and road transport emissions

Mexico: Scaling up the status of MST pilot to a national project

Sweden: An experimental method to measure environmental pressures from tourism consumption





Measuring the Sustainability of Tourism

Thank you

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