Thailand’s Tourism Satellite Accounts compilation, results and its impact on the economy

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Office of the Permanent Secretary Ministry of Tourism and Sports (MOTS), Government of Thailand

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Objective of the presentation

1. To share experiences in Thailand’s TSA compilation, methodology and data used

2. To present TSA results in 2021

3. To show economic impact of tourism industries on the economy
Thailand’s TSA compilation system

Based on TSA;RMF 2008

in 2010 and continued until present

Covers Table 1 to table 10

Scope of compilations
- Annual TSA for the whole economy (Table 1-10)
- Quarterly TSA (Table 1-6)
- TSA by regions (Table 1-6)
- TSA by tourism development 15 cluster (Table 1-6)

TSA compilation are worked out in consistent with National Accounts statistics

TSA & Tourism statistics are compiled and released regularly by Economics Tourism and Sports Division, Ministry of Tourism and Sports
Method of compilations and Data used

Table 1

Inbound tourism expenditure by products and classes of visitors

- Number of tourists by
  - Countries
  - Mode of transportations
  - Group tour/non-group tour

- Immigration Bureau
  - Inbound tourism expenditure survey
    - expenditure classified by tourism products

- compilation

- Inbound tourism expenditures

- Tourism receives from BOP

- Bank of Thailand
### Table 2
Domestic tourism expenditure by products, classes of visitors and types of trips

<table>
<thead>
<tr>
<th>Number of domestic tourists</th>
<th>Domestic tourism expenditure</th>
<th>Accommodation survey</th>
<th>Tourism statistic</th>
<th>Survey of domestic tourism expenditure</th>
</tr>
</thead>
</table>
Table 3
Outbound tourism expenditure by products and classes of visitors

Total outbound tourism expenditures

Survey of outbound tourism expenditure

Tourism expenditure from BOP

Bank of Thailand
Method of compilations (cont.)

Table 4

<table>
<thead>
<tr>
<th>Inbound tourism expenditure by products and classes of visitors</th>
<th>Domestic tourism expenditure by products, classes of visitors and types of trips</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second home in kind consumption</td>
<td>Internal tourism consumption by products</td>
</tr>
<tr>
<td>Other transfers</td>
<td>Under development</td>
</tr>
</tbody>
</table>
Production accounts of tourism industries and other industries (at basic prices)

Table 5

- Annual National Accounts statistic (NESDC)
- 2015 National Input- Output table (NESDC)
- 2017 Tourism Input-Output table (MOTS)
- Other data e.g.
  - Survey of hotel & guesthouse (NSO)
  - Survey of land transportation by bus (NSO)
  - Etc.
Method of compilations (cont.)

Table 6
Total domestic supply and internal tourism consumption (at purchasers’ price)

Production accounts of tourism industries and other industries (at basic prices)

- Taxes on products and Production taxes
- Trade and transportation cost
- Imports

Internal tourism consumption/expenditure

Production accounts of tourism industries and other industries (at purchaser prices)

Tourism ratio
Table 7

Employment in tourism industries

- Labor force survey (LFS)
- Number of tourism establishment
- Special survey of tourism employment

National Statistical Office (NSO)
Table 8  Tourism gross fixed capital formation of tourism industries and other industries

- Gross fixed capital formation in tourism industries and other industries
- Annual National Accounts (NESDC)
- Special survey of investment in tourism industries
- Special survey of Local government investment expenditure for tourism purpose
- Investment spending of selected government enterprise related to tourism activities (e.g. Thai Airways PLC, Airport of Thailand PLC, Thai Railway Authority etc.)
Method of compilations (cont.)

Table 9  
Tourism collective consumption by products and level of government

<table>
<thead>
<tr>
<th>Annual report of Tourism Authority of Thailand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report of government Budget</td>
</tr>
<tr>
<td>Budget Bureau</td>
</tr>
</tbody>
</table>
Method of compilations (cont.)

Table 10 Non monetary indicators

Tourism non monetary indicators

Tourism statistic
Main results in 2021

Thailand's tourism economy in 2021

Internal tourism consumption

356,813.51 Million baht

28.77 percent is Inbound tourism expenditure and 71.23 percent is Domestic tourism expenditure

As a result of the Covid-19 epidemic, Internal tourism consumption decreased 59.78%

28.77 %

71.23 %

Internal tourism consumption decreased by 59.78%

GVATI
796,497.11 million baht
Growth -20.13%

TAX
9,999.42 million baht
Growth -62.73%

TGDP
356,105.44
Growth -60.51%
Share to GDP 2.20%

TDGDP
135,975.60
Growth -61.41%
Share to GDP 0.84%

TIDGDP
220,129.84
Growth -59.93%
Share to GDP 1.36%

Employment in Tourism Sector

Total Employment in Tourism Sector (person)

2019: 4,376,506
2020: 3,909,592
2021: 3,984,582

Total Employment of the Country (person)

2019: 37,613,438
2020: 37,680,200
2021: 37,751,300

% Employment in tourism industry/ Total employment of the country (%)

2019: 11.64%
2020: 10.38%
2021: 10.55%
Comparison of TSA in 2019 (before covid19) and 2021 (covid19)

<table>
<thead>
<tr>
<th></th>
<th>2019</th>
<th>2021</th>
<th>Compare 2021 to 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inbound expenditure</td>
<td>1,949,116 MB</td>
<td>102,654 MB</td>
<td>-94.7%</td>
</tr>
<tr>
<td>Domestic expenditure</td>
<td>1,081,759 MB</td>
<td>254,159 MB</td>
<td>-76.5%</td>
</tr>
<tr>
<td>Internal consumption</td>
<td>3,030,875 MB</td>
<td>356,814 MB</td>
<td>-88.2%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Share 2019</th>
<th>Share 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inbound expenditure</td>
<td>64.3%</td>
<td>28.8%</td>
</tr>
<tr>
<td>Domestic expenditure</td>
<td>35.7%</td>
<td>71.2%</td>
</tr>
</tbody>
</table>

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## Comparison of TSA in 2019 (before covid19) and 2021 (covid19)

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<tr>
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<th>2019</th>
<th>2021</th>
<th>Compare to 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GVATI</strong></td>
<td>1,662,845 MB</td>
<td>796,497 MB</td>
<td>-52.1%</td>
</tr>
<tr>
<td><strong>TDGVA</strong></td>
<td>1,154,999 MB</td>
<td>126,272 MB</td>
<td>-76.5%</td>
</tr>
<tr>
<td><strong>TDGDP</strong></td>
<td>1,245,037 MB</td>
<td>135,976 MB</td>
<td>-89.1%</td>
</tr>
<tr>
<td><strong>TDGDP/GDP</strong></td>
<td>7.37%</td>
<td>0.84%</td>
<td></td>
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</tbody>
</table>

### Employment

<table>
<thead>
<tr>
<th></th>
<th>2019</th>
<th>2021</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employment in tourism industries</td>
<td>4.37 million persons</td>
<td>3.98 million persons</td>
<td>-9.0%</td>
</tr>
<tr>
<td>Employment in tourism industries/total employment</td>
<td>11.64%</td>
<td>10.55%</td>
<td></td>
</tr>
</tbody>
</table>
Conceptual measurement of economic impact of tourism industries on the economy

- TDGDP
- Tourism industries and Other industries
  - Indirect econ impact
  - Other industries
- Direct econ impact
  - Input-Output analysis
    - Type I
    - Type II
- Tourism share
- Tourism internal consumption
  - Tourism induced GDP
  - Induced econ impact
- Compensation of employee
- Private consumption expenditure
Results of economic impact of tourism industries and other industries

<table>
<thead>
<tr>
<th></th>
<th>2019</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tourism Direct GDP</strong></td>
<td>1,245,037 MB</td>
<td>135,976 MB</td>
</tr>
<tr>
<td><strong>Tourism Indirect GDP</strong></td>
<td>1,843,801 MB</td>
<td>220,130 MB</td>
</tr>
<tr>
<td><strong>Tourism Induced GDP</strong></td>
<td>793,882 MB</td>
<td>89,936 MB</td>
</tr>
</tbody>
</table>

Share to GDP

- \( \frac{\text{(Tourism Direct GDP + Tourism Indirect GDP)}}{\text{GDP}} \) = 18.29% (2019) 2.20% (2021)
- \( \frac{\text{(Tourism Direct GDP + Tourism Indirect GDP + Tourism Induced GDP)}}{\text{GDP}} \) = 22.99% (2019) 2.76% (2021)
End of Presentation &

Thank you for your attention

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