

A Comparative Study of TSA Compilation Methods for Asian countries

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Of course, any remaining errors are our responsibility.

Objective of this study

To clarify how the TSA is compiled in Asian countries

1. Primary tourism statistics

- Which primary tourism statistics are used in the compilation?

2. SNA and Input-Output table

- How are SNA and I-O table applied to the compilation?

3. Organizations

- Which organizations are responsible for compiling the TSA?

Questionnaire Survey

We conducted a questionnaire survey about TSA.

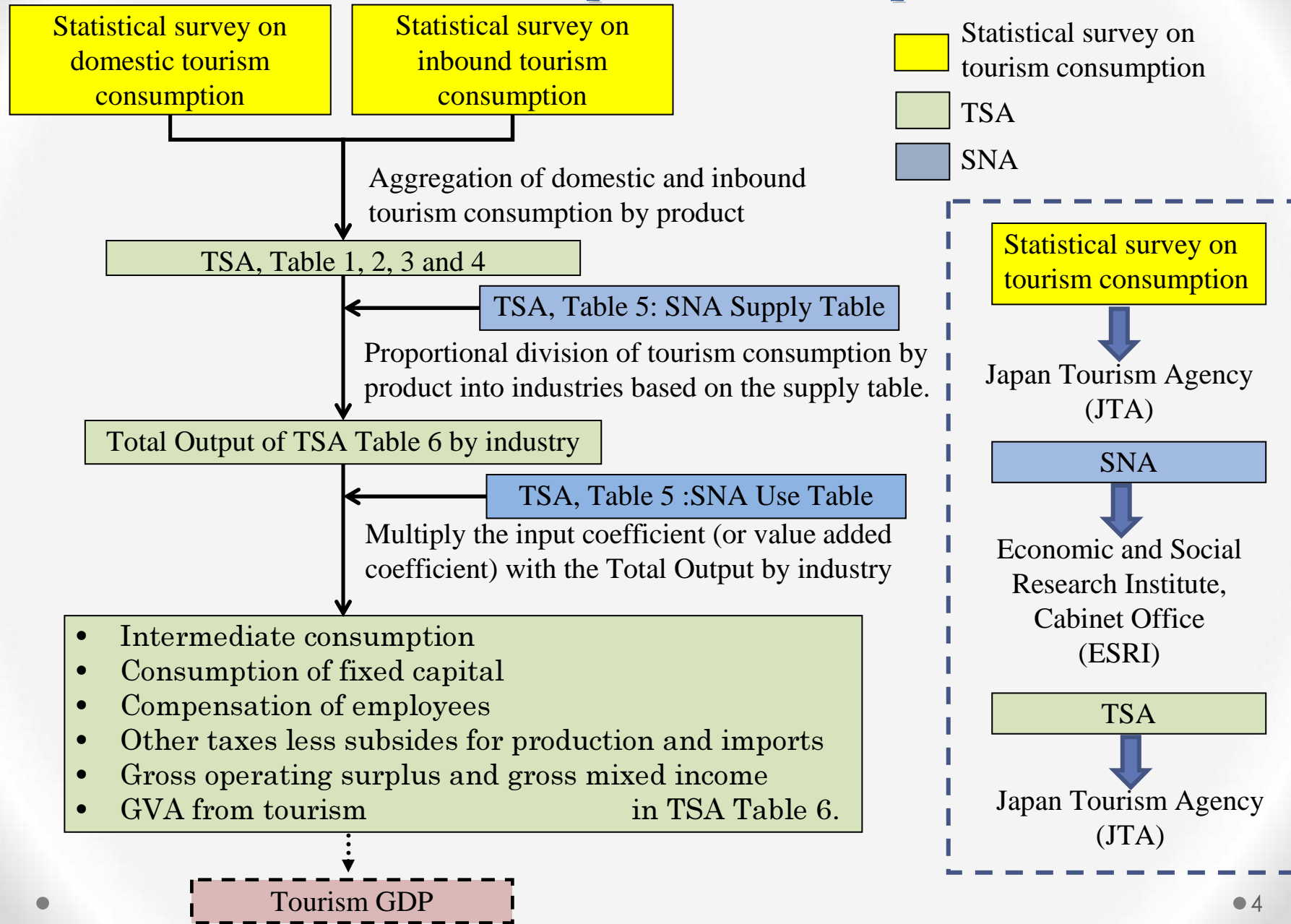
Target Countries

Brunei, Cambodia, Indonesia, Korea, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand and Japan

Survey Items

1. Status of TSA compilation
2. Development status of primary tourism statistics
 - Domestic tourism consumption
 - Inbound tourism consumption
 - Number of accommodation guests
3. Development status of the SNA and I-O table
4. Organization responsible for TSA compilation

Overview of TSA compilation in Japan



Status of TSA Compilation

	Brunei	Cambodia	Indonesia	Japan	Korea	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand
Table 1	✓	✓	✓	✓	✓		✓	✓	✓		✓
Table 2	✓		✓	✓	✓		✓		✓		✓
Table 3	✓*		✓	✓	✓		✓		✓		✓
Table 4	✓		✓	✓	✓		✓		✓		✓
Table 5	✓		✓	✓	✓		✓		✓		✓
Table 6	✓			✓	✓		✓		✓		✓
Other Tables	7,9*		7,8,10	7	7,8,9,10		7	7,9	7,8,9**,10		10
Compilation cycle	14 months			1yr	4yr	-			1yr	-	

- ✓: compiled, *: in part, **: on going

Development status of primary tourism statistics

Statistical survey regarding domestic tourism consumption

	Brunei	Cambodia	Indonesia	Japan	Korea	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand
1	✓ : Conducted : Not Conducted		✓	✓	✓		✓		✓		✓
2	A : Annually M : Monthly Q : Quarterly O : Other		Q	Q,M	M,O		M		O (6M)		Q
3	Sample size		6,700	25,000	2,394		30,472		12,500		200,000
4	Number of products		17	46	9		6		11		7
5	M : Mail W : Website (Online) T : Telephone I : Interview O : Other		I	M	M,I		O		O		I

Development status of primary tourism statistics

Statistical survey regarding inbound tourism consumption

	Brunei	Cambodia	Indonesia	Japan	Korea	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand
1	✓ : Conducted : Not Conducted	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	A : Annually M : Monthly Q : Quarterly O : Other	A	O	Q	M	A	O	A	M	Q	Q
3	Sample size	5,000	16,600	26,400	10,056	3,200	50,000	250	8,000	22,600	40,000
4	Number of products	5	13	20	9	6	5	6	18	5	7
5	M : Mail W : Website (Online) T : Telephone I : Interview O : Other	I	I	I	I	I	I	I	I	I	I

Development status of primary tourism statistics

Statistical survey regarding the number of accommodation guests

	Brunei	Cambodia	Indonesia	Japan	Korea	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand
1	✓ : Conducted : Not Conducted		✓	✓	✓		✓	✓			✓
2	A : Annually M : Monthly Q : Quarterly		M	M,Q	A		A,Q	A			M
3	Sample size		5,768*	18,000	561		3,129	20			10,000
4	M : Mail W : Website (Online) T : Telephone I : Interview O : Other		O	M,W	M		M,W, O	M			I
5	Amount data		No	No	Yes		Yes	Yes			No
6	Application for the TSA		Yes	No	No		Yes	No			Yes

* In 2013, for one month

Development status of the SNA and Input-Output table

	Brunei	Cambodia	Indonesia	Japan	Korea	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand
SNA Supply Table	✓✓	—		✓✓	—	—	✓✓	—	✓✓	✓	✓
SNA Use Table	✓✓	—		✓✓	✓✓	—	✓✓	—	✓✓	✓	✓
Input-Output Table	✓✓	—	✓✓	✓	✓✓	—	✓✓	—	✓✓	✓	✓✓

- ✓✓ : Compiled and Applied for the compilation of the TSA
- ✓ : Compiled and Not Applied for the compilation of the TSA
- : Not Compiled

How is the TSA applied in Asian countries?

	Brunei	Cambodia	Indonesia	Japan	Korea	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand
For estimating tourism GDP	✓			✓	✓		✓	✓	✓		✓
As basic data to estimate the economic ripple effect of tourism	✓			✓	✓		✓	✓	✓		✓
For understanding the input-output structure of tourism-related industries	✓				✓		✓	✓			✓
As basic data to set a tourism policy goal	✓						✓	✓	✓		
For international comparison with other countries	✓				✓		✓		✓		✓
For simulation and forecasting							✓		✓		✓
Tourism share in GDP(%)			4.0	2.3	2.4		5.4	0.01	6.0		4.0

✓ : Applied : Not applied

Organizations in charge

	Brunei	Cambodia	Indonesia	Japan	Korea	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand
Statistics on domestic tourism consumption	-	T/S/B (3)	S (2)	T (3)	T	-	S (6)	T/B/S	T/S (8)	-	T (9*)
Statistics on inbound tourism consumption	-	T (3)	T/S (4)	T (3)	T	T	T (47)	T	T (4)	T (10)	
SNA	E (4)	S (4)	S	E (63)	B	-	S (51)	-	S (13)	S (13)	E (35)
Input-Output table	E (4)	T/S (5)	S	S (5)	B	-	S (18)	-	S (13)	S (13)	E (4)
TSA	T (5)	T/S/B (7)	T/S (15)	T (3)	T	-	S (7)	-	T/S (8)	-	T

T: National Tourism Organization, S: National Statistical Organization,
E: Economic Planning Organizations, B: Central Bank

() = Number of persons in charge

*: including persons in charge for the TSA

Conclusion

About Domestic tourism consumption statistics

- Countries that do not conduct the domestic tourism consumption survey tend not to compile the TSA.
- A method that enables the compilation of the TSA using a household consumption survey or a simple tourism consumption survey is needed for some countries.

About Inbound tourism consumption surveys

- Most countries conduct an inbound tourism consumption survey, as they are heavily interested in inbound tourism.
- The number of countries that try to compile the TSA may increase if a new TSA format (or table) describing inbound tourism GDP is developed.

About Organizations responsible for compiling TSA

- A new framework to exchange ideas about TSA is required in Asia.