

Tourism Satellite Account (TSA) in Hungary

Meeting of the Group of Experts on National
Accounts
22-25 May 2018 Geneva

Tourism satellite accounts

- **First issue made in 2004-2007, new methodology is applied in the new tables between 2008-2013.**
- Recently is under preparation the **2016-2017** issue.
- At the beginning supported by the National Economic Ministry, recently by the Hungarian Tourism Agency.

Publications:

- Tourism Satellite Account in Hungary:

<http://www.ksh.hu/docs/hun/xftp/idoszaki/turizmszatt/turizmszat14.pdf>

Summary table on Hungarian data:

https://www.ksh.hu/docs/eng/xstadat/xstadat_annual/i_oge001.html



Content of TSA

TOURISM DEMAND STATISTICS
(inbound, domestic, outbound)



TOURISM SATELLITE
ACCOUNTS



NATIONAL ACCOUNT
STATISTICS
(input-output tables, supply and use
tables and Gross fixed capital
formation)



EMPLOYMENT STATISTICS

Tourism satellite accounts

- Compilation of TSA tables in Hungarian Central Statistical Office (HCSO):

Tourism
department

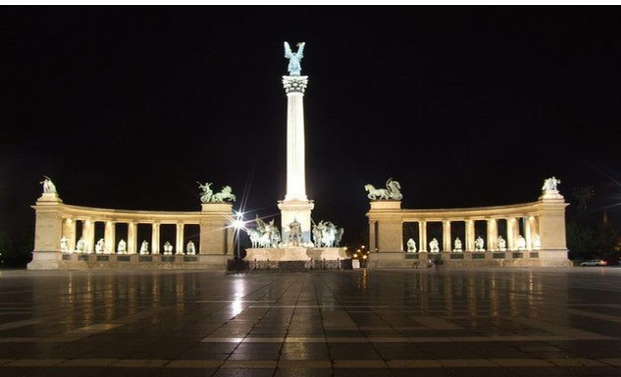
- Table
1, 2, 3,
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National
Accounts
department

- Table
5-6, 8

Labour market
department

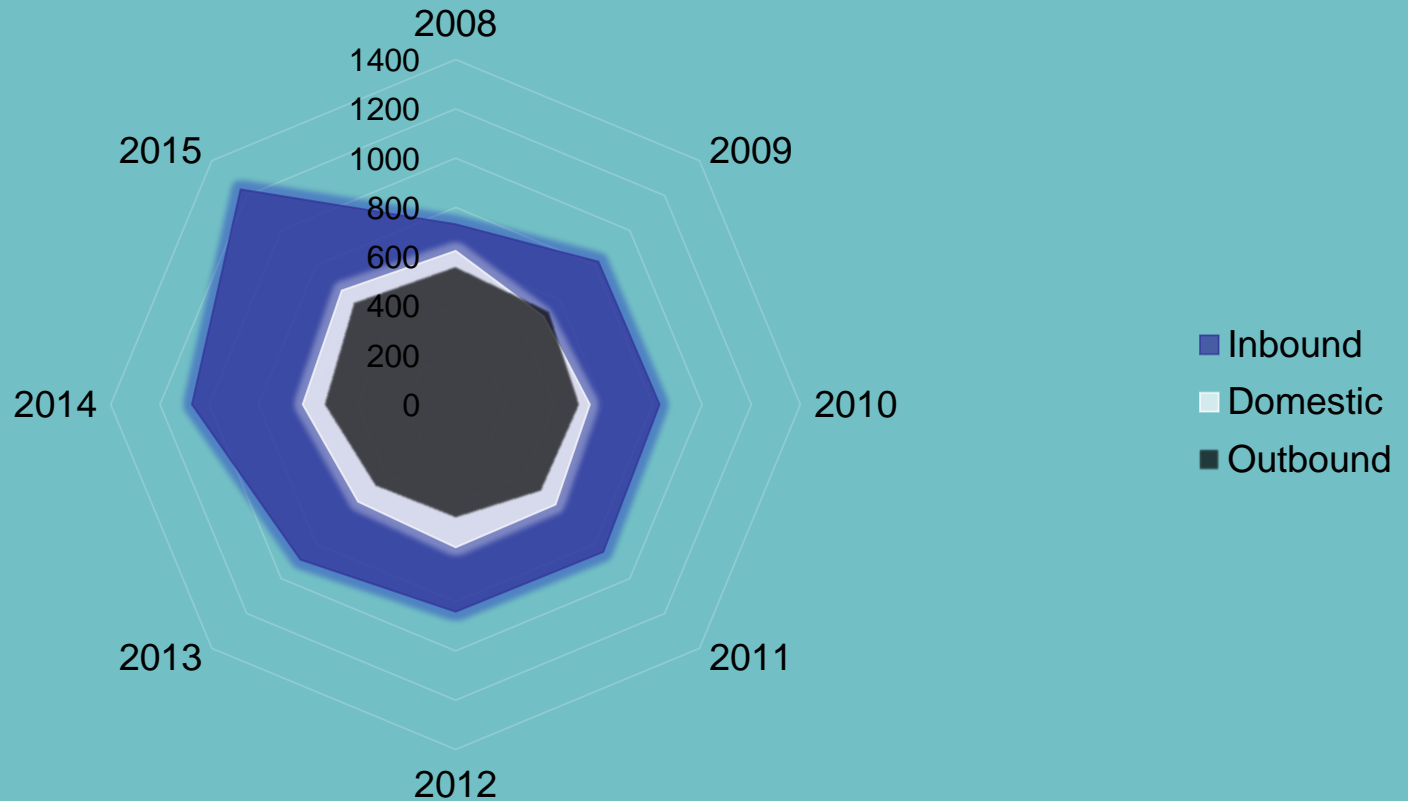
- Table
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Content of Hungarian TSA

- 1) **Inbound tourism demand:** tourism expenditure by Hungarian residents in Hungary.
- 2) **Domestic tourism demand:** non-resident tourists expenditures in Hungary.
- 3) **Outbound tourism expenditure:** resident tourist expenditures in abroad.
- 4) **Internal tourism consumption:** Domestic + Inbound tourism demand
- 5-6.) **Total domestic supply** and internal tourism consumption
- 7) **Employment** in the tourism industries
- 8) **Tourism gross fixed capital formation** of tourism industries
- 10) **Non monetary** indicators

Tourism expenditures by classes of visitors (Bln HUF)



5–6. Total domestic supply and internal tourism consumption (at purchasers' prices), 2015 [million HUF]

Products	Tourism industries												Total	Other industries	Output of domestic producers (at basic prices)
	1. Accommodation	2. Food	3. Railway	4. Road	5. Water	6. Air	7. Transport	8. Travel agencies	9. Cultural	10. Sports	11. Spa	12. Transport support			
	(5.1)	(5.2)	(5.3)	(5.4)	(5.5)	(5.6)	(5.7)	(5.8)	(5.9)	(5.10)	(5.11)	(5.12)			
A.) Internationally defined tourism specific products															
1 – Accommodation services for visitors	330 658	1 618	240	0	91	0	0	243	0	1 934	1 279	2 603	338 666	34 028	372 694
2 – Food and beverage serving services	64 802	909 627	0	0	177	0	0	135	0	1 426	548	404	977 119	47 329	1 024 448
3 – Railway passenger transport services	0	0	250 990	0	0	0	0	0	0	0	0	125	251 115	172	251 287
4 – Road passenger transport services	0	0	0	265 726	0	0	106	416	0	0	0	0	266 248	3 191	269 439
5 – Water passenger transport services	0	348	0	0	2 273	0	0	0	0	0	0	507	3 128	765	3 893
6 – Air passenger transport services	0	0	0	0	0	383 362	0	0	0	0	0	0	383 362	0	383 362
7 – Transport equipment rental services	0	0	0	531	0	0	115 175	116	0	0	0	475	116 297	4 537	120 834
8 – Travel agencies and other reservation services	207	246	0	226	390	255	0	26 613	0	414	0	0	28 351	6 759	35 110
9 – Cultural services	0	39	0	0	0	0	0	613	325 200	0	0	0	325 852	1 292	327 144
10 – Sports and recreational services	82	13	0	0	521	19	0	48	0	320 267	0	0	320 950	5 728	326 678
B) Other products related to tourism															
11 – Spa services (country specific product)	4 246	52	0	0	0	0	0	0	0	2 135	306 305	0	312 738	6 050	318 788
12 – Support activities for transportation	0	0	20 751	126	265	3 141	258	0	0	0	0	647 518	672 059	165 749	837 808
C) Other products															
13 – Other goods	293	949	0	255	35	0	728	131	941	482	70	127	4 011	31 111 982	31 115 993
14 – Other services	5 922	4 219	3 158	10 939	2 444	0	1 698	37 264	6 107	10 574	9 056	21 426	112 807	32 743 806	32 856 613
I. TOTAL OUTPUT (at basic prices)	406 210	917 111	275 139	277 803	6 196	386 777	117 965	65 579	332 248	337 232	317 258	673 185	4 112 703	64 131 388	68 244 091
II. TOTAL INTERMEDIATE CONSUMPTION	229 187	614 049	169 136	137 565	3 040	230 290	33 451	135 648	169 582	187 356	132 944	327 815	2 270 063	37 150 640	39 420 703
(I–II) TOTAL GROSS VALUE ADDED (at basic prices)	177 023	303 062	106 003	140 238	3 156	156 487	84 514	29 931	162 666	149 876	184 314	345 370	1 842 640	26 980 748	28 823 388

5–6. /2 Cont. Total domestic supply and internal tourism consumption (at purchasers' prices), 2015 [million HUF]

Products	Output of domestic producers (at basic prices)	Imports	Domestic supply (at purchasers' prices)	Internal tourism consumption	Tourism ratios (%)
	(5.15)=(5.13)+(5.14)	(6.1)	(6.4)=(5.15)+(6.1)	(4.3)	(6.5)=(4.3)/(6.4)*100
A.) Internationally defined tourism specific products					
1 – Accommodation services for visitors	372 694	0	372 694	352 171	94,5%
2 – Food and beverage serving services	1 024 448	0	1 024 448	338 086	33,0%
3 – Railway passenger transport services	251 287	8 465	259 752	9 813	3,8%
4 – Road passenger transport services	269 439	1 814	271 253	22 235	8,2%
5 – Water passenger transport services	3 893	0	3 893	670	17,2%
6 – Air passenger transport services	383 362	164 510	547 872	177 818	32,5%
7 – Transport equipment rental services	120 834	0	120 834	1 459	1,2%
8 – Travel agencies and other reservation services	35 110	0	35 110	35 110	100,0%
9 – Cultural services	327 144	0	327 144	55 260	16,9%
10 – Sports and recreational services	326 678	8 776	335 454	134 201	40,0%
B) Other products related to tourism					
11 – Spa services (country specific product)	318 788	0	318 788	105 172	33,0%
12 – Support activities for transportation	837 808	315 417	1 153 225	23 125	2,0%
C) Other products					
13 – Other goods	31 115 993	23 309 037	54 425 030	583 781	1,1%
14 – Other services	32 856 613	4 115 773	36 972 386	50 412	0,1%
I. TOTAL OUTPUT (at basic prices)	68 244 091	27 923 792	96 167 883	1 889 311	2,0%
II. TOTAL INTERMEDIATE CONSUMPTION	39 420 703				
(I–II) TOTAL GROSS VALUE ADDED (at basic prices)	28 823 388				

Multiplicator effect

- Indicator relate to tourism-specific branches
- Show how much gross output will be generated in the whole economy.
- We have multiplicator indices for every 5 years.

Multiplicator indices	
Tourism specific products	2010
1 – Accommodation services for visitors	1.86
2 – Food and beverage serving services	1.86
3 – Railway passenger transport services	1.52
4 – Road passenger transport services	1.52
5 – Water passenger transport services	1.38
6 – Air passenger transport services	1.25
7 – Transport equipment rental services	1.22
8 – Travel agencies and other reservation services	1.32
9 – Cultural services	1.53
10 – Sports and recreational services	1.76
11 – Spa services (country specific product)	1.35
Total branches	1.61
Emplyoment	1.32
<i>Leontiev invers method</i>	

Expected results

Understanding of the tourism socio-economic importance and:

- comparability to other economic sectors and other countries,
- recognition of structure of tourism (added value, job creation and the size of investment by branches),
- help the regional policies.



The data obtained from TSA in a country case

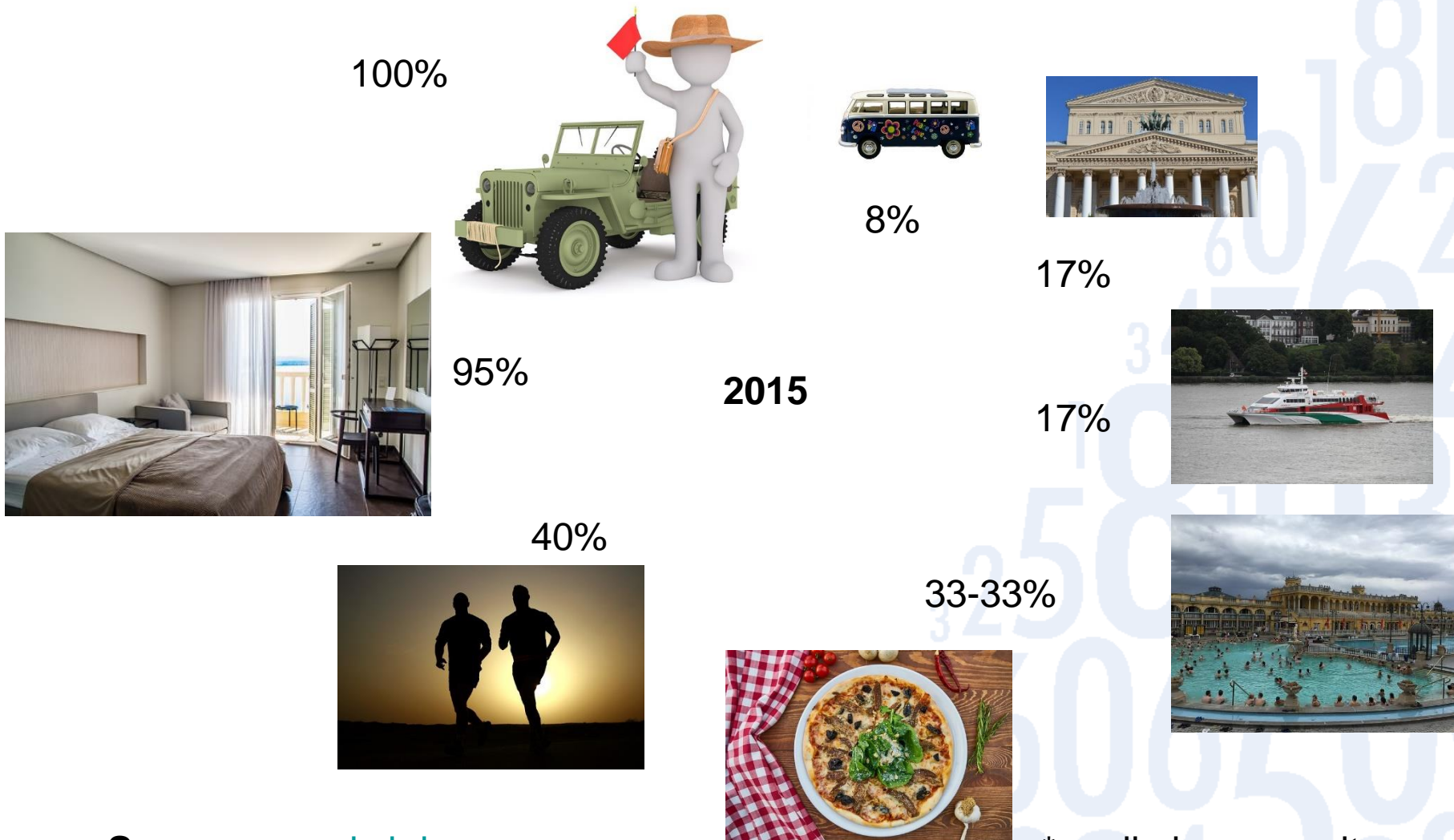
- Contribution of tourism to GDP
- Role of tourism in Balance of Payments
- Number of created jobs by tourism
- Size of touristic investments
- Size of revenues generated by tourism
- Volume of tourism consumption
- Situation of the tourism workforce



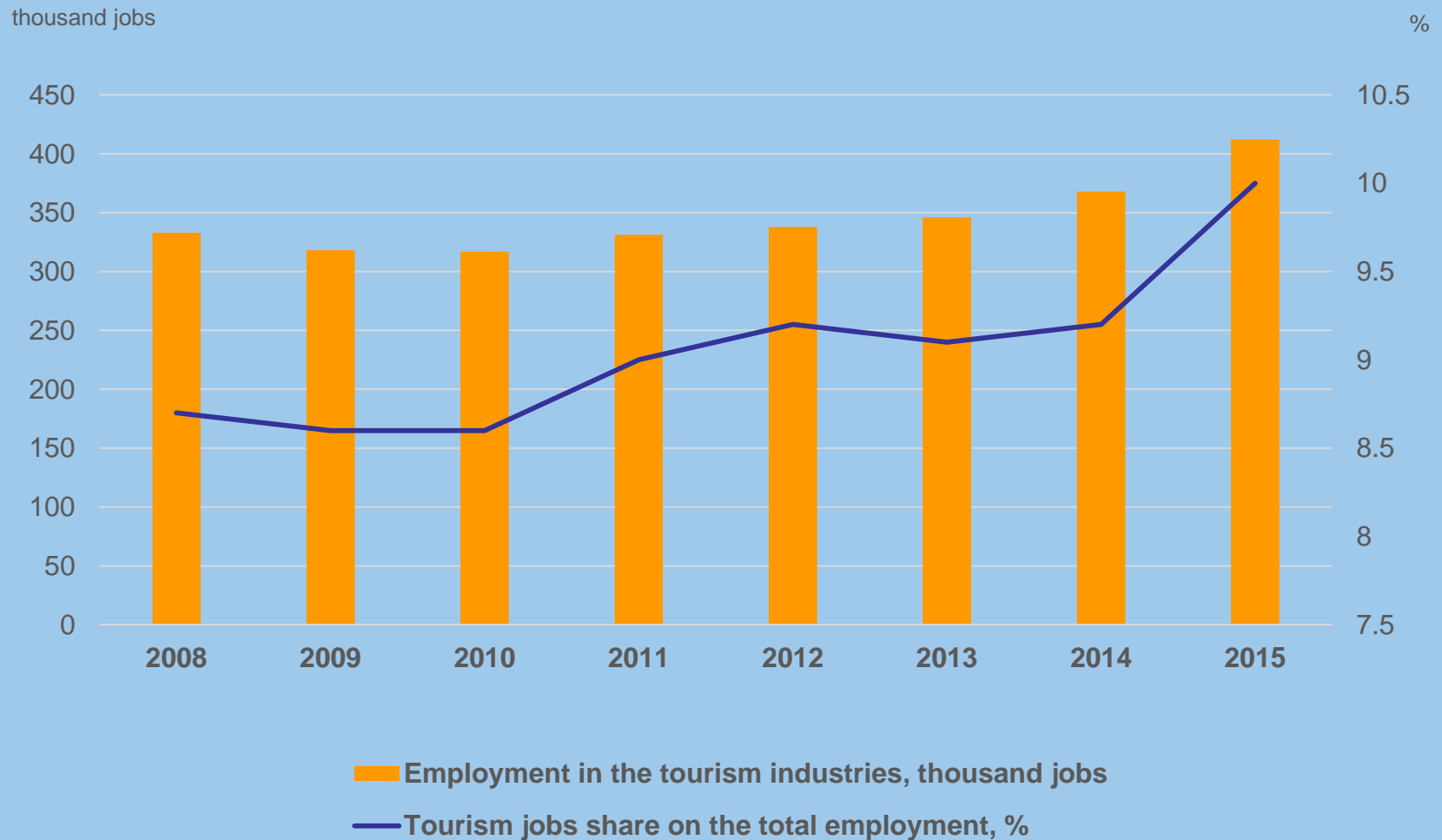
Results of the Hungarian Tourism Satellite Accounts

- **Tourism economic role and its effect on gross domestic product (2015):**
 - 6,0% to GDP
 - with multiplication effect: 9,7%
- **Internal tourism consumption ratio to Domestic supply (2015):**
 - 2,0%
 - (65% inbound, 35% domestic tourism expenditure)
- **Tourism effect on employment (2015)**
 - Around **412 thousand** direct employed
 - is the **10%** of total employment

Share of Tourism in output of Tourism specific products* (%)



Employment in the tourism industries



Footnote

- The principles replaced in 2008 with the new recommended Tourism Satellite Accounts Framework, which was evaluated by UNWTO, UNSD, OECD and Eurostat international institutions. The new methodology takes into account the changes in classification system (NACE Rev 2), as well as latest news and novelties offered by Member States from the first introduction.





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