



# **TOURISM INVESTMENTS – COLLECTIVE CONSUMPTION – NON-MONETARY INDICATORS**

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UNWTO/DG Grow Workshop, 29-30 November, Brussels  
Measuring the economic impact of tourism in Europe: the TSA

# General overview

## TSA:RMF Manual

- **Table 8** – Tourism gross fixed capital formation
  - By products – Tourism specific fixed assets, Investments by the tourism industries in other non tourism-specific produced assets
  - By industries – Tourism industries, Other industries
  
- **Table 9** – Tourism collective consumption
  - By products (CPC, Rev 2.1, level of Subclasses)
  - By levels of government (national, regional, local)

# General overview

## TSA:RMF Manual

- **Table 10 – Non-monetary indicators**
  - Number of trips and overnights
    - By forms of tourism (inbound, domestic, outbound)
    - By classes of visitors (tourists, same-day visitors)
  - Inbound tourism: Number of arrivals and overnights
    - By modes of transport (air, waterway, land)
  - Number of establishments and capacity (rooms, beds, utilization)
    - By types of accommodation (ISIC Rev 4, division 55 and 68)
  - Number of establishments in tourism industries
    - Classified according to average number of jobs

# Tourism Gross Fixed Capital Formation – Methodology

## What is GFCF

- The total value of a producer's acquisitions of fixed assets
  - Tangible assets – machinery, building, land, inventory
  - Intangible assets – patents, trademarks, copyrights, goodwill, brand recognition
  - Used repeatedly, continuously for more than one year

## Tourism perspective

- Investments in basic infrastructure as transport, accommodation, recreation, centres of interest etc.
- Two approaches:
  - Total TGFCF of the tourism industries
  - The GFCF of tourism-specific capital goods directly linked to the provision of services to visitors

# TGFCF – Methodology

## List of TGFCF items

### TANGIBLE FIXED ASSETS

1. Accommodation facilities
  - Hotels and other
  - Second homes
2. Other buildings and structures
  - Restaurants and similar
  - Passenger transport infrastructure and buildings
  - Buildings for culture
  - Facilities for sport, recreation
  - Other facilities and structures

3. Passenger transport equipment
  - Land transport
  - Sea transport
  - Air transport
4. Other machinery and equipment
5. Cultivated assets (land improvements)

### INTANGIBLE FIXED ASSETS

# TGFCF – Experience within EU and CZ

## EU experience

- TSA publications (Eurostat, 2016 edition)
  - Figures for 7 countries: CZ (2014), SK, NO (2013), HU, PL (2012), EE, ES (2011)

## CZ experience

- Data for 2003 to 2014
- Methodology and classifications used
  - ESA 2010, Classification of assets, Industries by NACE
- Data sources
  - National Accounts data
  - Data in matrix: 12 groups of assets by 128 industries

# TGFCF – Method towards estimating Tourism GFCF (CZ)

Aggregated data from NA are further disaggregated

- Assets
  - Particular group are broken down to lower detail using data from SBS surveys
  - (AN.111) Dwellings – to 4 sub-groups
  - (AN.1121) Buildings other than dwellings – to 17+1 sub-groups
    - F. i. Hotels, Garages, Museums and libraries (+1 restaurants – separated)
  - (AN.1122) Other structures – to 25 sub-groups
  - (AN.1131) Transport equipment – to 9 sub-groups
  - Other 8 groups are not disaggregated
- Industries
  - 128 divisions (2 digit) or groups (3 digit) – to 217 groups
  - Special treatment of second homes

# TGFCF – Method towards estimating Tourism GFCF (CZ)

## Estimating tourism share

- Each of 64 assets and 217 industries is categorised according to its importance to tourism in the Czech Republic as:
  - Tourism characteristic
  - Tourism connected
  - Tourism non specific
- For each case (Asset and Category of industry) tourism share is estimated
  - Examples:
    - Hotel (tourism characteristic asset) and Hotel (tourism characteristic industry) – share 100% (i.e. total GFCF belongs to tourism)
    - Sport playgrounds (tourism characteristic asset) and Sport services (tourism characteristic industry) – share 50%






# TGFCF – Results (CZ)

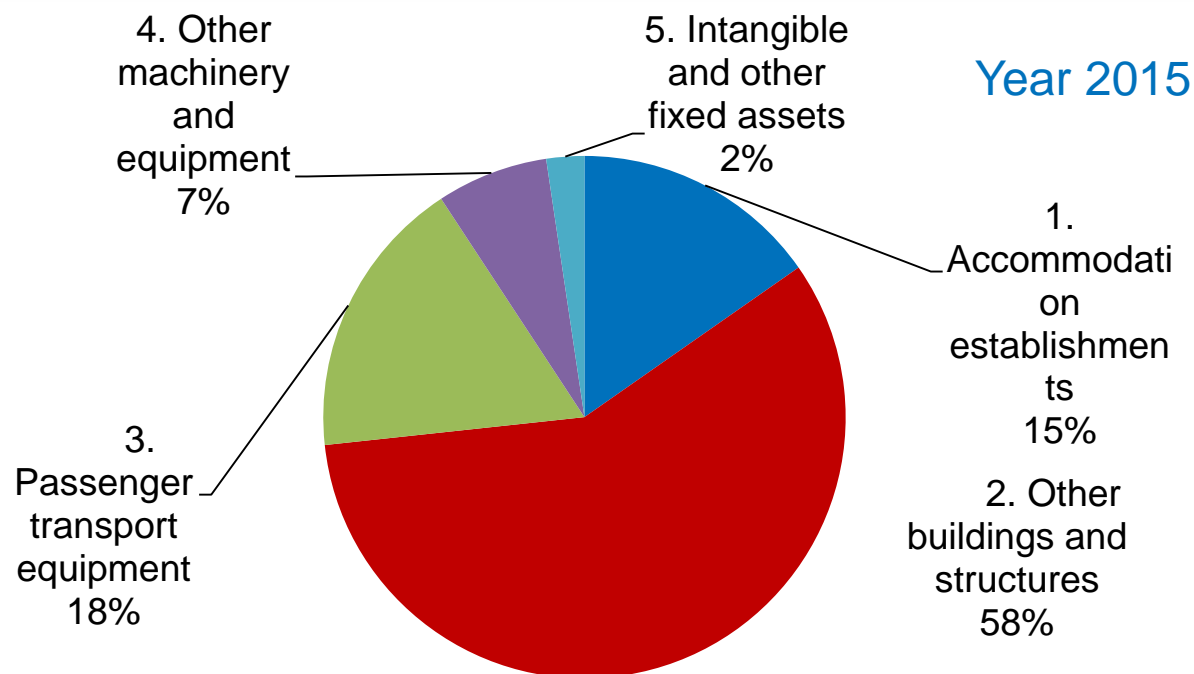
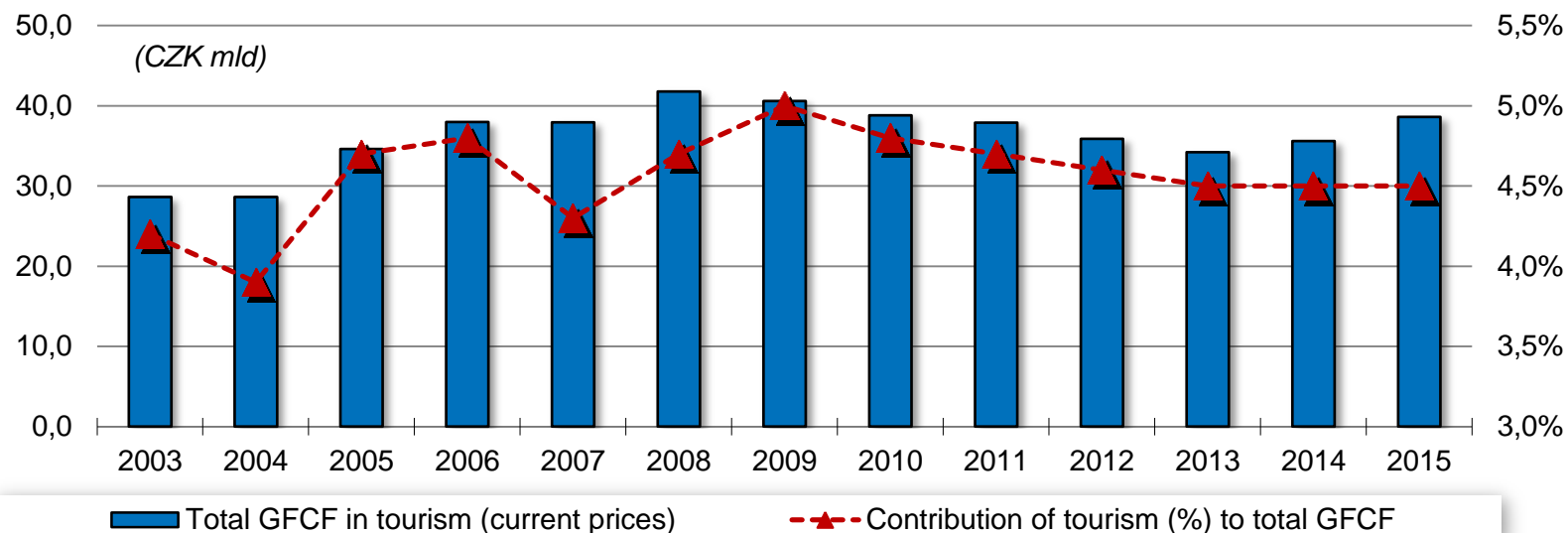


## TSA T8 - Gross fixed capital formation in tourism in the Czech Republic

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- >  [TSA T8.1.1 Gross fixed capital formation in tourism in the Czech Republic by industries in 2003 \(TSA table T8\)](#)
- >  [TSA T8.1.2 Gross fixed capital formation in tourism in the Czech Republic by industries in 2004 \(TSA table T8\)](#)
- >  [TSA T8.1.3 Gross fixed capital formation in tourism in the Czech Republic by industries in 2005 \(TSA table T8\)](#)
- >  [TSA T8.1.4 Gross fixed capital formation in tourism in the Czech Republic by industries in 2006 \(TSA table T8\)](#)
- >  [TSA T8.1.5 Gross fixed capital formation in tourism in the Czech Republic by industries in 2007 \(TSA table T8\)](#)
- >  [TSA T8.1.6 Gross fixed capital formation in tourism in the Czech Republic by industries in 2008 \(TSA table T8\)](#)
- >  [TSA T8.1.7 Gross fixed capital formation in tourism in the Czech Republic by industries in 2009 \(TSA table T8\)](#)
- >  [TSA T8.1.8 Gross fixed capital formation in tourism in the Czech Republic by industries in 2010 \(TSA table T8\)](#)  
28.02.2017 (code: 020020-16)
- >  [TSA T8.1.9 Gross fixed capital formation in tourism in the Czech Republic by industries in 2011 \(TSA table T8\)](#)  
28.02.2017 (code: 020020-16)
- >  [TSA T8.1.10 Gross fixed capital formation in tourism in the Czech Republic by industries in 2012 \(TSA table T8\)](#)  
28.02.2017 (code: 020020-16)
- >  [TSA T8.1.11 Gross fixed capital formation in tourism in the Czech Republic by industries in 2013 \(TSA table T8\)](#)  
28.02.2017 (code: 020020-16)
- >  [TSA T8.1.12 Gross fixed capital formation in tourism in the Czech Republic by industries in 2014 \(TSA table T8\)](#)  
28.02.2017 (code: 020020-16)
- >  [TSA T8.2.1 Gross fixed capital formation in tourism in the Czech Republic in 2003-2014 \(TSA table T8\)](#)  
28.02.2017 (code: 020020-16)

# TGFCF – Results (CZ)



# Tourism Collective consumption – Methodology

## What is collective consumption

- Non market collective services
  - Delivered simultaneously to every member of the community
  - Passive use (no explicit agreement is required)
  - No rivalry in acquisition

## Tourism perspective

- Actions by public authorities to create environment for tourism
  - Examples:
    - Provision of legislation/regulation regarding tourism
    - Promotion of tourism
    - Maintenance of order/security and public space

# Tourism Collective consumption – EU experience

## EU experience

- TSA publications (2016 edition)
  - Figures for 2 countries only: DK (2013), ES (2011)
  - ES: Tourism social transfers in kind are included in collective consumption.

## CZ experience

- No results completed

# Non-monetary data



## The role of non-monetary data

- Important for the interpretation of the monetary information
  - For instance: expenditure per one trip, night
- Useful for comparison
  - Over time
  - With other countries
  - With other indicators
  - Eurostat TSA exercise gives examples for such comparison which helps to find out discrepancies (question and answers) or errors in data

# Non-monetary data – Results (CZ)

## TSA T10 - Non-monetary indicators in tourism in the Czech Republic



- >  TSA T10.1 Number of trips and overnights by type of tourism and categories of visitors in the Czech Republic in 2003-2015 (TSA table T10)  
28.02.2017 (code: 020020-16)
- >  TSA T10.2 Number of establishments by forms of accommodation in the Czech Republic in 2003-2015 (TSA table T10)  
28.02.2017 (code: 020020-16)

### Cross-sectional statistics

- > [Foreigners](#)
- > [Gender Statistics](#)
- > [Senior citizens](#)
- > [Summary data on the Czech Republic](#)
- > [Regional statistics](#)
- > [Macroeconomic Indicators](#)
- > [International data](#)

# Non-monetary data – Results (CZ)

TSA T10.1 Počet cest a přenocování podle typu cestovního ruchu a kategorie návštěvníků v ČR v letech 2003-2015 (TSA tabulka T10)

Number of trips and overnights by type of tourism and categories of visitors in the Czech Republic in 2003-2015 (TSA table T10)

Rok 2015 / Year 2015 <sup>2)</sup> v tis. / thous.

Ukazatel	Příjezdový CR / Inbound tourism			Domácí CR / Domestic tourism			Výjezdový CR / Outbound tourism			Indicator
	Jednodenní návštěvníci	Turisté	Návštěvníci celkem	Jednodenní návštěvníci	Turisté	Návštěvníci celkem	Jednodenní návštěvníci	Turisté	Návštěvníci celkem	
	Same-day visitors	Tourists	Total visitors	Same-day visitors	Tourists	Total visitors	Same-day visitors	Tourists	Total visitors	
Počet cest	17 985	11 619	29 604	49 492	28 325	77 817	2 729	7 654	10 383	Number of trips
Počet přenocování	x	38 341	38 341	x	102 260	102 260	x	46 849	46 849	Number of overnights

Rok 2014 / Year 2014 <sup>1)</sup>

v tis. / thous.

Ukazatel	Příjezdový CR / Inbound tourism			Domácí CR / Domestic tourism			Výjezdový CR / Outbound tourism			Indicator
	Jednodenní návštěvníci	Turisté	Návštěvníci celkem	Jednodenní návštěvníci	Turisté	Návštěvníci celkem	Jednodenní návštěvníci	Turisté	Návštěvníci celkem	
	Same-day visitors	Tourists	Total visitors	Same-day visitors	Tourists	Total visitors	Same-day visitors	Tourists	Total visitors	
Počet cest	16 518	10 649	27 166	46 646	29 412	76 059	2 748	7 393	10 141	Number of trips
Počet přenocování	x	36 216	36 216	x	106 606	106 606	x	48 078	48 078	Number of overnights

TSA T10.2 Počet ubytovacích zařízení podle typu ubytování v ČR v letech 2003-2015 (TSA tabulka T10)

Number of establishments by forms of accommodation in the Czech Republic in 2003-2015 (TSA table T10)

Rok 2015 / Year 2015 <sup>2)</sup>

Ukazatel	Hotely a podobná zařízení	Ostatní hromadná zařízení	Individuální zařízení	Druhé domovy *)	Indicator
	Hotels and similar	Other collective establishments	Individual establishments	Second homes *)	
Počet zařízení	5 992	3 171	.	434 000	Number of establishments
Počet pokojů	136 026	70 232	.	.	Number of rooms
Počet lůžek	314 210	215 040	.	2 170 000	Number of beds
Čisté využití pokojů (%)	43,0	-	.	.	Net use of rooms (%)
Čisté využití lůžek (%)	36,2	-	.	.	Net use of beds (%)

Rok 2014 / Year 2014 <sup>1)</sup>

Ukazatel	Hotely a podobná zařízení	Ostatní hromadná zařízení	Individuální zařízení	Druhé domovy *)	Indicator
	Hotels and similar	Other collective establishments	Individual establishments	Second homes *)	
Počet zařízení	5 833	3 180	.	434 000	Number of establishments
Počet pokojů	132 520	69 962	.	.	Number of rooms
Počet lůžek	306 430	213 479	.	2 170 000	Number of beds
Čisté využití pokojů (%)	44,7	-	.	.	Net use of rooms (%)
Čisté využití lůžek (%)	35,2	-	.	.	Net use of beds (%)



**Thank you  
Your experience –  
Questions – Remarks**