# DEVELOPMENT OF INBOUND TOURISM IN THE CZECH REPUBLIC AFTER ITS JOINING THE EUROPEAN UNION

Jana Valentova, Martin Vasko

University of Economics in Prague, Faculty of International Relations, Department of Tourism Studies, The Czech Republic

#### **Abstract**

In the year 2014 the Czech Republic commemorated the 10<sup>th</sup> anniversary of its joining the European Union, which leads to thinking of the general development of the country in all sectors of national life including the travel industry. As the travel industry is of great importance for the national economy of the Czech Republic, this article outlines the development of inbound tourism in the Czech Republic since that time when the Czech Republic joined the European Union, i.e. from 2004 till 2013. This anniversary seems to be a suitable opportunity to evaluate the development of inbound tourism in the course of 10 years by means of main published indicators – number of guests non-residents at collective accommodation establishments, number of overnight stays of guests non-residents, average length of stay, foreign exchange incomes. Stating facts about impacts of European Integration on the development of tourism in the Czech Republic is indispensable. The positive development of the published indicators after the year 2004 may be connected above all with our membership in the European Union. As the Czech Republic is rich in unique historic, cultural and natural heritage sites, the paper mentions attractive sites from the viewpoint of foreign visitors – some of these sites are on the UNESCO World Cultural and Natural Heritage List – and other prerequisites for various forms of inbound tourism.

Key words: Czech Republic, inbound tourism, foreign exchange incomes, development, territorial aspect, European Union

## Introduction

On May 1, 2004 the Czech Republic became a new member state of the European Union together with other 9 states. It would be relevant to think of the general development of the country in all sectors of national life including the travel and tourism industry. This paper is aimed only at some aspects of inbound tourism in the Czech Republic from 2004 till 2013 by means of the following main published indicators: number of guests non-residents at collective accommodation establishments, number of overnight stays of guests non-residents, average length of stay and foreign exchange income.

Collective accommodation establishments – facilities with at least five rooms or ten beds serving the purposes of tourism, i.e. providing temporary accommodation of guests for holiday, tour, spa care, business trip, training, course, congress, symposium, stay of children on school trips, summer and winter camps etc. Among collective accommodation establishments are hotels, motels, boatels, guest-houses, hostels for tourists, holiday dwellings, camps and other accommodation facilities. Among other accommodation facilities are, for example, corporate recreational establishments, training centres, cultural-historical buildings, spa facilities and other accommodation complexes which have bed capacity for tourism. Guest – every person (not including

staff and owner of the accommodation facility who live here) who used services of the facility for temporary accommodation, including children. A guest can use the services of the accommodation facility for various purposes with the exception where it would be used for employment services or a proper study (if the time of its use exceeds 1 year). In corporate recreational establishments and training centres a guest is deemed to be every person who used the facilities for temporary accommodation for the above-mentioned reasons, whether these are company's employees themselves, their family members or outside people. In therapeutic spas a guest is deemed to be every person who undergoes a spa treatment regardless of the complexity of treatment etc. Persons using accommodation facilities services as temporary residence are not counted as guests. Number of overnights - total number of overnights of guests staying in accommodation establishments in the monitored period. Average length of stay is calculated as division of number of overnights and number of guests. (Czech Statistical Office)

The balance of payments is an indicator of economic development and external economic balance. This is the systematic statistical record of all economic transactions between national and international economies in a particular period. Foreign exchange incomes from tourism area - a part of balance of services consisting of three components - exports and imports of

2/2015 5

transport services, travel services and other services, such as services in the field of communications, building industry, insurance, finances. The travel services are recorded in the balance of services; on the credit side exports of travel services (i.e. active tourism), on the debit side imports of travel services (i.e. passive tourism). These terms – active and passive tourism are derived from the fact of their effects on the balance of payments. Active tourism means inflow of foreign exchange, on the contrary passive tourism outflow of foreign exchange. The component travel services contains incomes and expenditures of all visitors to the Czech Republic (including tourists and excursionists and travellers who are in transit) that were used by them for goods and services in order to their personal consumption during their stay in the destination country and after their returning to home. (Palatkova, 2014: 22-23)

Looking back at the period 2004-2013, 10 years of the accession of the Czech Republic to the European Union, it would be relevant to state the facts how the European integration contributed to the development of inbound tourism in the country.

Owing to the multidimensional characteristics of tourism, the sector is highly influenced by the new demands derived from the widening, deepening and enlargement of the European integration. The policies adopted by the regional area and the implementation of the more advanced degrees of integration with its resulting consequences are decisive factors in the development of the tourism sector in member countries. Among the responsibilities of European Community institutions, there has been some preoccupation with the sector and there is awareness of the important role that tourism plays in job creation, in the increase of income per inhabitant and, in many regions, in the development of infra-structures, skilled labour and economic diversification (Ricketer, 1994; Cardoso, Ferreira, 2000). An "action plan in favour of tourism" (European Commission, 1997; Cardoso, Ferreira, 2000) was created and the goals for this area were already defined in 1986. Lavery (1993) synthesised those objectives: facilitating tourism in the Community; improving the geographical and seasonal distribution of tourism; better use of financial aid; better information and protection for tourists; improvement of working conditions; and improved knowledge of the tourism sector and increased cooperation among member countries. (Lavery, 1993; Cardoso, Ferreira, 2000: 403).

The prospect of EU accession in 2004 could be envisaged as having further beneficial effects in the form of free movement of persons, the eventual adoption of the euro, the liberalisation of air transport and through generation of more positive images, as well as increased publicity. (Hughes, Allen, 2009: 186). As authors Hamarnehova and Senkova mentioned in their article the year 2004 was successful; at that time the highest growth in arrivals of foreign visitors in the Czech Republic in the period of 1993 - 2008 was registered. It was connected with our affiliation to the EU. (Hamarnehova & Senkova, 2011). The following growth continued until the beginning of 2008 when the first signs of global financial crisis appeared. (Franke et al., 2012).

Source of information about inbound tourism of the Czech Republic intended for four man indicators is the regular research by the Czech Statistical Office and the Czech National Bank. Information is also obtained from Ministry for Regional Development of the Czech Republic, Czech Tourist Authority – Czech Tourism and available scientific articles. The used methods are: descriptive statistical analysis, correlation analysis. Spearman correlation coefficient has been used in order to analyse relations between the development of foreign exchange income, and the number of guests non-residents and the number of overnight stays. Each of the published indicators has been evaluated in accordance with positions of the given countries in 2013. Country names are stated in 2-letter codes by the ISO owing to the required editor's guidelines including the limited size of tables.

### The Czech Republic as an incoming destination

The Czech Republic as an incoming Central-European destination is frequented by foreign visitors in every season of the year. It can offer them all kinds of tourist attractions – unusually beautiful old towns, such as Cesky Krumlov, Kutna Hora, Telc, Trebic, hundreds of castles, chateaux, historic buildings and monuments, a lot of spas with spa services of long tradition, as well as interesting museums, art galleries and famous cultural events.

There are twelve towns and municipalities, which were inscribed on the UNESCO World Heritage List; over 200 castles, chateaux and monuments; more than 40 protected historic towns; 37 spas; 80 golf courses; 4 national parks and 25 protected landscape areas; 8 mountain ranges; 40219 km of walking trails, 37000 of cycling routes, 3092 km of skiing tours and 1800 km of horse riding routes. The capital city of Prague, which abounds in historic monuments of many periods with attractive examples of Gothic, Renaissance and Baroque architecture and remaining buildings of the former Jewish Town, is worth seeing. (Czech Tourist Authority-CzechTourism, 2012).

In accordance with The National Tourism Policy of The Ministry for Regional Development of the Czech Republic the most important forms of tourism for which the Czech Republic has the best prerequisites are:

Urban and cultural tourism – despite all the current trends in the travel and tourism industry this remains a key element of the supply. Urban and cultural tourism are essential elements in all forms of exploratory tourism where the tourists seek to learn more or become more familiar with the destination. Holidays in the countryside – the most typical are summer and winter holidays in the mountains, holidays near bodies of water, camping, rural tourism and agro tourism, consumption of tourism products typical for the region, etc. The trend over the last few years has shown stagnation in summer holidays in the mountains while, on the other hand, rural tourism has been slowly developing. Sport and active holidays - over the last twenty years, the focus of demand for our mountain centres in some regions has shifted in part to the winter season. In this regard, however, the possibilities for development of our winter centres is under threat by foreign competition. In many areas, hiking, biking and other sporting activities associated with exploring the cultural and natural value of the area have been developing very dynamically in the summer season not only in the mountains, but also in the foothill areas. Spa tourism – the spa industry plays an important role in the overall supply. It makes up about 8% of total capacity. MICE tourism – the capital city of Prague, which is the only destination in the Czech Republic belonging to a category of international importance for congress tourism, i.e. with the capacity of its facilities and their amenities. (Ministry for Regional Development of the Czech Republic, 2013: 78)

# Development of inbound tourism in the Czech Republic

The following tables show the development of the main published indicators in the Czech Republic. Each of the published

indicators in tables 1-7 has been evaluated in accordance with positions of the given countries in 2013. The highest number of guests non-residents (see table 1 and table 2) was realised by Germany during the whole period, but with downward trend. It was followed by Great Britain till 2009 and by Russia since 2010. Poland ranked among TOP 5 countries in 2008. The United States held in TOP 5 excepting the years influenced by the financial crisis in 2008-2011. The crisis had a negative impact on number of guests from most of the given countries. On the contrary, a growth between 2003 and 2004 (Great Britain 58%, Italy 39%, France 33%, Russia, United States and Japan 32% and Spain 31%) can be seen. It is apparent that China, the Republic of Korea, Ukraine and Russia have upward trend.

Tab. 1 Number of guests non-residents at Czech collective accommodation establishments in 2003–2009

|    | 2003      | 2004    | 2005      | 2006    | 2007    | 2008      | 2009    |
|----|-----------|---------|-----------|---------|---------|-----------|---------|
| DE | 1 439 124 | 1569369 | 1 606 947 | 1617431 | 1549441 | 1 475 858 | 1393112 |
| RU | 124655    | 164036  | 185 705   | 239 632 | 321520  | 418184    | 326895  |
| SK | 252763    | 266917  | 260212    | 281 854 | 309 255 | 299 278   | 287810  |
| PL | 291344    | 253916  | 261576    | 273 659 | 298 621 | 376592    | 341 136 |
| US | 221311    | 292588  | 303 641   | 322026  | 322214  | 305 057   | 274311  |
| GB | 412402    | 650622  | 657110    | 566225  | 565470  | 484279    | 371346  |
| IT | 281 420   | 391 192 | 405 079   | 399023  | 413085  | 374632    | 357492  |
| FR | 193215    | 256429  | 257 683   | 240 280 | 236790  | 235 654   | 223 901 |
| AT | 165283    | 183871  | 184235    | 175911  | 177 170 | 170 663   | 177715  |
| NL | 238 564   | 273 757 | 295 856   | 284499  | 247 861 | 236193    | 203764  |
| ES | 153331    | 201110  | 224327    | 220050  | 256722  | 247 240   | 194406  |
| CN | N/A       | N/A     | 17806     | 29710   | 38421   | 53 108    | 61798   |
| KR | N/A       | N/A     | 46850     | 74907   | 79575   | 68478     | 55 440  |
| UA | N/A       | N/A     | 32817     | 49564   | 61 508  | 76126     | 76419   |
| JP | 93110     | 122613  | 153980    | 145 804 | 136587  | 123275    | 114777  |

Source: author's work by data of the Czech Statistical Office

Tab. 2 Number of non-residents at Czech collective accommodation establishments in 2010–2013

|    | 2010      | 2011     | 2012      | 2013    |
|----|-----------|----------|-----------|---------|
| DE | 1 348 482 | 1386976  | 1 420 698 | 1385398 |
| RU | 414671    | 559021   | 694138    | 759138  |
| SK | 307 192   | 344 101  | 382595    | 395 352 |
| PL | 350637    | 371 127  | 370910    | 386739  |
| US | 312883    | 314950   | 366910    | 386591  |
| GB | 368 643   | 327 95 1 | 346527    | 353 973 |
| IT | 332551    | 337 645  | 353 165   | 333 828 |
| FR | 251 468   | 283480   | 275 449   | 270798  |
| AT | 189886    | 185719   | 203 891   | 212198  |
| NL | 194138    | 197975   | 198687    | 185 464 |
| ES | 196011    | 225778   | 201 537   | 176875  |
| CN | 79 186    | 108629   | 145 409   | 163 857 |
| KR | 77 687    | 96605    | 131418    | 149 804 |
| UA | 104060    | 109439   | 125 929   | 137 067 |
| JP | 133 052   | 121663   | 136557    | 130740  |

Source: author's work by data of the Czech Statistical Office

Tab. 3 Number of overnights of non-residents at Czech collective accommodation establishments in 2003-2009

|    | 2003      | 2004      | 2005      | 2006      | 2007      | 2008      | 2009      |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| DE | 5 662 032 | 5 902 332 | 5887902   | 6055215   | 5 634 733 | 5 291 228 | 4851927   |
| RU | 720617    | 930187    | 1 045 907 | 1356792   | 1706744   | 2111252   | 1 662 497 |
| US | 691111    | 860774    | 898046    | 972239    | 938446    | 845 031   | 742314    |
| IT | 815 552   | 1150016   | 1168315   | 1 142 234 | 1 202 820 | 1073038   | 1013057   |
| GB | 1167396   | 1814249   | 1797329   | 1531993   | 1 520 357 | 1251930   | 959480    |
| PL | 655365    | 542320    | 556565    | 609 872   | 651238    | 786381    | 718423    |
| SK | 765 878   | 795351    | 760077    | 806174    | 871302    | 655 858   | 582 305   |
| FR | 520018    | 666379    | 660786    | 612873    | 610394    | 593 443   | 568151    |
| NL | 865 654   | 967 322   | 1 108 994 | 1052352   | 914484    | 869668    | 736412    |
| ES | 488 551   | 628231    | 709 448   | 693 476   | 822 399   | 754290    | 587 193   |
| UA | N/A       | N/A       | 140871    | 218150    | 264392    | 294050    | 253 639   |
| AT | 352 047   | 386177    | 389526    | 363 692   | 358963    | 357 826   | 364287    |
| IL | 278 900   | 255 063   | 204919    | 227552    | 213519    | 239 193   | 314341    |
| DK | 333 877   | 394872    | 368 890   | 371128    | 355374    | 350938    | 316392    |
| CN | N/A       | N/A       | 38788     | 65 233    | 76763     | 101712    | 111120    |
| SE | 230366    | 241 923   | 223 494   | 218920    | 205519    | 221040    | 215927    |

Source: author's work by data of the Czech Statistical Office

Tab. 4 Number of overnights of non-residents at Czech collective accommodation establishments in 2010–2013

|    | 2010    | 2011    | 2012          | 2013    |
|----|---------|---------|---------------|---------|
| DE | 4609595 | 4578249 | 4600971       | 4403668 |
| RU | 2092320 | 2864815 | 3 4 4 8 1 8 3 | 3780134 |
| US | 826589  | 829396  | 916450        | 947 467 |
| IT | 947233  | 946206  | 975 915       | 895052  |
| GB | 930457  | 807 136 | 833451        | 847514  |
| PL | 739425  | 777 019 | 778 963       | 800146  |
| SK | 620723  | 683 159 | 762346        | 773874  |
| FR | 649458  | 739 150 | 704820        | 684725  |
| NL | 652844  | 644 627 | 673 649       | 631471  |
| ES | 579671  | 662 989 | 565 875       | 483 038 |
| UA | 295 680 | 340732  | 391330        | 415901  |
| AT | 391722  | 380 184 | 408 422       | 414418  |
| IL | 332110  | 325 646 | 337 676       | 357816  |
| DK | 361741  | 301 254 | 327 208       | 308773  |
| CN | 136742  | 187380  | 235 932       | 259897  |
| SE | 220996  | 208 897 | 224883        | 257881  |

Source: author's work by data of the Czech Statistical Office

The highest number of overnights (see table 3 and 4) was realised by Germany during the whole period and by Russia since 2007. The tables indicate downward trend of Great Britain and the Netherlands. Italy and United States occupied good position in TOP 5. During this period significant growths can

be seen with Ukraine, Israel and China (basic indexes are 2.95, 1.40 and 6.70). It is necessary to state a considerable growth in number of overnights between 2003 and 2004 (Poland 55%, Great Britain 41%, Russia 29%, Spain 28%, Italy 25% and Denmark 18%).

Tab. 5 Average length of stay of non-residents at Czech collective accommodation establishments in 2003–2013

|    | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----|------|------|------|------|------|------|------|------|------|------|------|
| RU | 5,78 | 5,67 | 5,63 | 5,66 | 5,31 | 5,05 | 5,09 | 5,05 | 5,12 | 4,97 | 4,98 |
| IL | 3,9  | 3,98 | 3,82 | 3,85 | 3,91 | 4,05 | 3,90 | 3,95 | 3,95 | 3,73 | 3,61 |
| NL | 3,63 | 3,53 | 3,75 | 3,70 | 3,69 | 3,68 | 3,61 | 3,36 | 3,26 | 3,39 | 3,40 |
| DE | 3,93 | 3,76 | 3,66 | 3,74 | 3,64 | 3,59 | 3,48 | 3,42 | 3,30 | 3,24 | 3,18 |
| DK | 3,17 | 3,09 | 3,13 | 3,22 | 3,23 | 3,23 | 3,18 | 3,31 | 3,13 | 3,15 | 3,10 |
| UA | N/A  | N/A  | 4,29 | 4,40 | 4,30 | 3,86 | 3,32 | 2,84 | 3,11 | 3,11 | 3,03 |
| ES | 3,19 | 3,12 | 3,16 | 3,15 | 3,20 | 3,05 | 3,02 | 2,96 | 2,94 | 2,81 | 2,73 |
| IT | 2,9  | 2,94 | 2,88 | 2,86 | 2,91 | 2,86 | 2,83 | 2,85 | 2,80 | 2,76 | 2,68 |
| SE | 2,86 | 2,73 | 2,68 | 2,68 | 2,71 | 2,63 | 2,67 | 2,60 | 2,59 | 2,60 | 2,64 |
| BR | N/A  | N/A  | 2,78 | 2,73 | 2,71 | 2,71 | 2,63 | 2,68 | 2,72 | 2,60 | 2,61 |
| FR | 2,69 | 2,60 | 2,56 | 2,55 | 2,58 | 2,52 | 2,54 | 2,58 | 2,61 | 2,56 | 2,53 |
| US | 3,12 | 2,94 | 2,96 | 3,02 | 2,91 | 2,77 | 2,71 | 2,64 | 2,63 | 2,50 | 2,45 |
| GB | 2,83 | 2,79 | 2,74 | 2,71 | 2,69 | 2,59 | 2,58 | 2,52 | 2,46 | 2,41 | 2,39 |
| SK | 3,03 | 2,98 | 2,92 | 2,86 | 2,82 | 2,19 | 2,02 | 2,02 | 1,99 | 1,99 | 1,96 |
| AT | 2,13 | 2,1  | 2,11 | 2,07 | 2,03 | 2,1  | 2,05 | 2,06 | 2,05 | 2    | 1,95 |

Source: author's calculation

The average length of stay (see table 5) was decreasing in 2003-2013 as for Russia, Germany, Ukraine, Spain, the United States, Great Britain, Slovakia and Austria; while as for other countries the trend was fluctuating. Russia held firm on the 1st place for the whole period, while Israel on the 2nd or 3rd places followed by the Netherlands, Germany and Ukraine (only between 2005 and 2009) by turns. In 2010 Ukraine was replaced in the TOP 5 by Denmark. It is interesting to state that Brazil took a very good position.

Foreign exchange incomes were beginning to observe after joining of the Czech Republic the European Union according to the territorial aspect (see tables 6-7). The analysis involves

the countries whose incomes exceeded the limit 2 billion CZK. Germany always occupied the 1<sup>st</sup> position with values higher four- or five times in comparison with the countries on the 2<sup>nd</sup> position which was occupied mostly by Slovakia. Since 2005 position of Russia is getting better in the TOP 5 and since 2007 Ukraine was among TOP countries. In this group Great Britain played an important role until 2011, Poland appeared not before 2011. All countries excepting Russia and Ukraine were noted for decrease in 2008, eventually 2009 in consequence of the global financial crisis. From Asian countries only Japan is becoming important for the Czech Republic.

Tab. 6 Tourism foreign exchange incomes in 2004-2009

| in<br>millions<br>of CZK | 2004    | 2005        | 2006      | 2007    | 2008      | 2009       |
|--------------------------|---------|-------------|-----------|---------|-----------|------------|
| DE                       | 36172,2 | 42311,8     | 50347,8   | 52494,5 | 48087,0   | 43 689,1   |
| SK                       | 7 466,6 | 7726,9      | 10662,2   | 11655,6 | 10457,5   | 7 665,4    |
| RU                       | 4960,5  | 6583,4      | 6824,1    | 7 444,3 | 7531,5    | 8 682,3    |
| PL                       | 4827,7  | 3956,6      | 4716,9    | 4773,8  | 4258,1    | 3 3 7 0, 9 |
| UA                       | 141,4   | 3086,9      | 4056,8    | 5 904,9 | 9193,4    | 9949,1     |
| AT                       | 4917,1  | 3 2 4 5 , 3 | 4243,3    | 4247,6  | 3 5 5 2,0 | 3214,9     |
| GB                       | 8 652,6 | 8 4 4 6 , 7 | 7712,2    | 7786,0  | 6981,9    | 7 0 5 6, 7 |
| IT                       | 5 044,2 | 4187,7      | 4987,7    | 5098,8  | 4592,5    | 5 648,9    |
| US                       | 5 135,2 | 5 180,1     | 5233,9    | 5 445,8 | 5 137,3   | 5 3 9 7, 8 |
| FR                       | 3 052,6 | 3339,5      | 3210,6    | 3251,5  | 2 882,5   | 3 194,1    |
| ES                       | 2 662,6 | 2817,6      | 3 2 3 4,6 | 3238,4  | 2849,8    | 2838,6     |
| NL                       | 4159,0  | 3587,6      | 4213,8    | 3129,9  | 2720,6    | 2281,7     |
| JP                       | 1 488,3 | 1812,10     | 1 786,0   | 1831,4  | 1 624,7   | 1 937,1    |

Source: author's work by data of the Czech National Bank

2/2015

Tab. 7 Tourism foreign exchange incomes in 2010-2013

| in millions<br>of CZK | 2010       | 2011        | 2012    | 2013    |
|-----------------------|------------|-------------|---------|---------|
| DE                    | 42 643,1   | 47213,5     | 46920,1 | 46303,0 |
| SK                    | 8 680,2    | 9469,5      | 9774,6  | 10484,9 |
| RU                    | 8375,4     | 8192,2      | 8 699,0 | 8 626,6 |
| PL                    | 5 3 9 7, 4 | 5 652,4     | 6588,0  | 6928,6  |
| UA                    | 8425,7     | 5 9 3 9 , 9 | 6335,6  | 6303,9  |
| AT                    | 5 607,2    | 5767,6      | 6258,2  | 6042,6  |
| GB                    | 6781,6     | 5931,6      | 5927,1  | 5 947,7 |
| IT                    | 5491,1     | 5 5 6 2, 9  | 5 100,4 | 5 638,4 |
| US                    | 5211,9     | 5317,1      | 5 067,5 | 4925,8  |
| FR                    | 3476,5     | 3495,1      | 3 684,3 | 3 402,6 |
| ES                    | 3025,1     | 2303,6      | 2884,1  | 2879,0  |
| NL                    | 2768,2     | 2 438,2     | 2 488,4 | 2398,4  |
| JP                    | 2 2 3 9,6  | 2366,6      | 2 120,8 | 2266,6  |

Source: author's work by data of the Czech National Bank

Tab. 8 Total summary of the main published indicators of the Inbound Tourism- total rating in the years 2004-2013

| Pos-on | C-try | No. of non-<br>residents | C-try | No. of overnights | C-try | Av-age<br>length | C-try | Foreign exchange incomes mil.CZK |
|--------|-------|--------------------------|-------|-------------------|-------|------------------|-------|----------------------------------|
| 1.     | DE    | 13314588                 | DE    | 51815820          | RU    | 5,31             | DE    | 456182,1                         |
| 2.     | GB    | 4279744                  | RU    | 20998831          | IL    | 3,86             | SK    | 94043,3                          |
| 3.     | RU    | 3958285                  | GB    | 12293896          | NL    | 3,97             | RU    | 75919,4                          |
| 4.     | IT    | 3416272                  | IT    | 10513886          | DE    | 3,89             | GB    | 71224,1                          |
| 5.     | PL    | 2993569                  | US    | 8776752           | ES    | 3,26             | UA    | 59337,5                          |
| 6.     | US    | 2979860                  | NL    | 8251823           | UA    | 3,20             | US    | 52052,4                          |
| 7.     | SK    | 2881803                  | SK    | 7311169           | IT    | 3,08             | IT    | 51352,6                          |
| 8.     | FR    | 2338717                  | PL    | 6960352           | US    | 2,95             | PL    | 50470,3                          |
| 9.     | NL    | 2079630                  | FR    | 6490179           | GB    | 2,87             | AT    | 47 095,9                         |
| 10.    | ES    | 1990725                  | ES    | 6486610           | FR    | 2,78             | FR    | 32989,2                          |
| 11.    | AT    | 1695976                  | AT    | 3815217           | SE    | 2,65             | NL    | 30185,8                          |
| 12.    | JP    | 1225938                  | DK    | 3456570           | SK    | 2,54             | ES    | 28733,4                          |
| 13.    | DK    | 1087670                  | IL    | 2807835           | PL    | 2,33             | JP    | 19473,2                          |
| 14.    | KR    | 780764                   | JP    | 2712022           | AT    | 2,25             | DK    | 15641,8                          |
| 15.    | UA    | 772 929                  | UA    | 2469846           | JP    | 2,21             | HU    | 13349,2                          |

Source: author's calculation

Table 8 shows the total rating of TOP 15 countries in each of the published indicators. Among TOP 15 countries in 3 indicators the EU member countries predominated. 79% of guests non-residents came from EU member countries (Germany, Great Britain, Italy, Poland, Slovakia, France, the Netherlands, Spain, Austria, Denmark). By the same countries 76% of overnights were realised, but in different positions. 21% of guests came from the United States, Japan, the Republic of Korea and Ukraine. 24% of overnights were realised by Russia, the United States, Israel, Japan and Ukraine. 81% of foreign exchange incomes were generated from the same countries, as mentioned above, and Hungary; 19% from Russia, Ukraine, the United States and Japan. Guests from the mentioned EU countries spent on average less overnights than guests from Russia, Israel, Ukraine and Japan.

For the purpose of completion of the evaluation the correlation analysis was used. It showed the countries (see table 9) with the evident functional direct dependence between foreign exchange incomes and number of guests –non-residents; number of overnights. The strongest correlations displayed Great Britain, Russia, France and the Netherlands, namely in both indicators in relation to the foreign Exchange incomes. A further strong dependence connecting with Austria appeared between number of guests and foreign exchange incomes. The other countries playing an important role after our joining the EU did not display the functional direct dependence between number of guests, number of overnights and foreign exchange incomes.

Tab. 9 Statistically significant correlations

|                          | Number of guests non-residents<br>Country and Coef./P-value                                      | Number of overnights<br>Country and Coef./P-value                            |
|--------------------------|--|--|
| Foreign exchange incomes | GB 0.9515/0.0043<br>RU 0.8182/0.0141<br>FR 0.7697/0.0209<br>NL 0.7576/0.0230<br>AT 0.7455/0.0253 | GB 0.9636/0.0038<br>NL 0.7939/0.0172<br>RU 0.7576/0.0156<br>FR 0.7212/0.0305 |

Source: author's calculations

### Note

Explanation of 2-letter codes by the ISO used in the tables 1 - 9: AT - Austria, BE - Belgium BR - Brazil, CN – China, DK – Denmark, DE – Germany, ES – Spain, FR – France, GB – the United Kingdom HU – Hungary, IL – Israel, IT – Italy, JP – Japan, KR – the Republic of Korea, NL – Netherlands, RU – the Russian Federation, SE – Sweden, SK – Slovakia, UA – Ukraine, US – the United States of America (International Organization on Standardization, 2006).

### Conclusion

The aim of this paper was to analyse the development of four main published indicators - number of guests non-residents at collective accommodation establishments, number of overnights, average length of stay and foreign exchange incomes from inbound tourism after 2004 when the Czech Republic was affiliated to the European Union according to the territorial aspect and year before that. The authors indicated new ways to evaluate development of the inbound tourism in the Czech Republic and summary evaluation of the main indicators from the period of 2003 – 2013. The authors intended to contribute to the enrichment of special economic literature concerning this subject. On the basis of their research the authors intended to point out the fact that European countries and member coun-

tries of the European Union above all play significant role for inbound tourism. As to the TOP 15 countries, the data showed that from the published indicators (excepting Average length of stay) dominated member states of the EU (more than 75%). The development of these observed indicators showed a significant growth between 2003 and 2004, which was probably caused by our affiliation to the European Union. The partial aim was to find out by means of correlation coefficients whether statistically significant dependences between foreign exchange incomes and number of guests (overnights) were shown in the observed period. The strongest correlations displayed Great Britain, Russia, France, the Netherlands and Austria. Further to the mentioned above, it would be useful to deal with the analysis of these relations more in detail, as well as a prediction of development till 2020 or 2030, namely on the basis of regressive analysis. It would be both interesting and demanding to find out to what extent a considerable decrease of the Russian customer base and, on the contrary, a rapid increase of the Chinese and South Korean customer bases may influence the Czech tourism market. The authors hope this research can serve both as a basis for the following research in this area and as a means for practising new ways for holding a good position of the Czech Republic in the Travel and Tourism Industry. These subjects could be used in practice of destination marketing and with a desirable intention to promote the Czech Republic abroad.

# References

Cardoso, C., & Ferreira, L. (2000). The effects of european economic integration on tourism:

Challenges and opportunities for portuguese tourism development. International Journal

of Contemporary Hospitality Management, 12(7), 401-408. Retrieved from

http://search.proquest.com/docview/228317682?accountid=17203

Czech National Bank (2005-2014). Online 2014, October 10: Retrieved from

http://www.cnb.cz/cs/statistika/platebni bilance stat/publikace pb/bezny ucet pb tc/

Czech Statistical Office (2004-2014). Önline 2014, October 10: Retrieved from http://www.czso.cz/csu/redakce.nsf/i/crua\_cr Czech Tourist Authority – Czech Tourism (2012). European Quartet: Facts and Figures 2012. Online 2014, November 15: Retrieved from http://european-quartet.com/EuropeanQuartet/media/EuropeanQuartet/Brochure/EQ%202012%20Facts%20 and%20Figures/index.html

European Commission (1993), in Cardoso, C., & Ferreira, L. (2000). The effects of european economic integration on tourism: Challenges and opportunities for portuguese tourism development. International Journal of Contemporary Hospitality Management, 12(7), 401-408. Retrieved from http://search.proquest.com/docview/228317682?accountid=17203

Franke, A. et al. (2012). Statistiky cestovního ruchu. Praha: Wolters Kluwer CR, a. s.

Hamarnehova, I., & Senkova, A. (2011). Analytical Overview of the Evolution of Selected Tourism Indicators in the Czech and Slovak Republic During 1989–2010. *Journal of Tourism and Services, No. 2.*, 7-34. Praha: Vysoká škola obchodní v Praze, o. p. s.

Hughes, H. L., & Allen, D. (2009). Central and Eastern Europe and EU accession 2004:

Views of the impact on tourism. Tourism and Hospitality Research, 9(3), 185-198.

2/2015

doi:http://dx.doi.org/10.1057/thr.2009.9

International Organization on Standardization. Online 2006. *International Standard ISO 3166-1*, *Codes for the representation of names of countries and their subdivisions--Part 1: Country codes, ISO 3166-1: 2006 (E/F)*. Retrieved from http://www.nationson-line.org/oneworld/country\_code\_list.htm

Lavery, P. (1993), in Cardoso, C., & Ferreira, L. (2000). The effects of european economic integration on tourism: Challenges and opportunities for portuguese tourism development. *International Journal of Contemporary Hospitality Management*, 12(7), 401-408. Retrieved from http://search.proquest.com/docview/228317682?accountid=17203

Ministry for Regional Development of the Czech Republic (2013). *The National Tourism Policy of the Czech Republic for the period 2014-2020.* Online 2014, November 1: Retrieved from http://www.mmr.cz/getmedia/01144b63-0600-43c1-9bf5-cd-d487c313fb/MMR-Cestovni-ruch-v-Ceske-republice.pdf

Palatkova, M. (2014). Mezinárodní turismus. Praha: Grada Publishing.

Richeter, L. K. (1994), in Cardoso, C., & Ferreira, L. (2000). The effects of european economic integration on tourism: Challenges and opportunities for portuguese tourism development. *International Journal of Contemporary Hospitality Management, 12*(7), 401-408. Retrieved from http://search.proquest.com/docview/228317682?accountid=17203

### Information on the authors:

**Jana Valentova**, **Ing.**, **Ph.D.** - University of Economics in Prague, Faculty of International Relations, Department of Tourism Studies, jana.valentova@vse.cz

Martin Vasko, Ing., Ph.D. - University of Economics in Prague, Faculty of International Relations, Department of Tourism Studies, martin.vasko@vse.cz

Jana Valentova has been working as a Lecturer at the Department of Tourism studies, Faculty of International Relations, University of Economics in Prague since 2006. She graduated from the doctorate studies and got her, Ph.D. in 2015. Before that she worked in the fields of foreign trade and inbound tourism (incoming travel agencies, Czech Tourist Authority). Her research interests include destination marketing, inbound tourism, travel motivation, consumer behaviour in tourism, international tourism.

Martin Vasko has been working as a Lecturer at the Department of Tourism studies, Faculty of International Relations, University of Economics in Prague since 1994. He got his, Ph.D. in 2015. His research interests include destination marketing, on-line consumer behaviour in tourism, international tourism, e-Tourism and m-Tourism.

**Address:** University of Economics in Prague, Faculty of International Relations, Department of Tourism Studies, namesti W. Churchilla 4, 130 67 Praha 3, Czech Republic)

Contact details: (+420 775926666, +420 224095226); jana.valentova@vse.cz; martin.vasko@vse.cz,