



REPUBLIC OF CROATIA



CROATIAN BUREAU OF STATISTICS

**QUALITY REPORT FOR STATISTICAL SURVEY**  
**Development of the Geographical Information System (GIS)**  
**For 2018**

Organisational unit: Quality, Statistical Standards and Geoinformation  
System Development Department

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## 0. Basic information

- Purpose, goal, and subject of the survey

The general objective of this project is to geo-reference statistics against a system of grid cells using Cartesian coordinates.

- Reference period

Calendar year.

- Legal acts and other agreements

In the field of tourism statistics, the Croatian Bureau of Statistics conducts a monthly survey on tourism accommodation capacities and their occupancy. The purpose of the statistical survey is to monitor tourist activity realised in commercial accommodation establishments and to provide internationally comparable data in accordance with European standards for tourism statistics. The survey is implemented on the basis of the Official Statistics Act (NN, Nos 103/03, 75/09, 59/12 and 12/13 – consolidated text) and the Regulation No. 692/2011 of the European Parliament and the Council concerning European statistics on tourism.

The data source for the statistical survey on tourist traffic (number of tourist arrivals and nights) and accommodation capacities is an administrative source, the eVisitor System, which is under the responsibility of the Croatian Tourist Board. The eVisitor System is the central electronic system for checking in and checking out tourists, which functionally links all tourist boards in the Republic of Croatia. After publishing the Ordinance on Managing Tourist Records and the Form and Content of the Check-in Form for Checking in Tourists in Tourist Boards (NN, No. 126/15), the eVisitor System has officially become the central electronic system for checking in or checking out tourists in the Republic of Croatia. The Croatian Bureau of Statistics takes over a part of data from the administrative source, the eVisitor System, and further processes them statistically.

- Classification system

The National Classification of Activities, 2007 version – NKD 2007. (Section I Accommodation and food service activities, division 55 Accommodation).

- Concepts and definitions

The GeoSTAT activity is focused on developing guidelines for producing harmonised grid statistics and promoting national grid statistics in national statistical institutes. The reason for this activity comes from two major political definitions of EU: the European Statistical System (ESS) strategic goal to integrate spatial information and statistics and the INSPIRE initiative to develop interoperable spatial data sets. In order to achieve its final goal, Eurostat has made available a harmonised grid net of the whole Europe.

In addition to the European-wide grid net, there are country clips of the grid net covering only one country at a time. The grid net provides a reference system of grid cells for harmonised grid data set. The Croatian Bureau of Statistics uses the grids prepared by Eurostat for the purposes of the project.

The following variables are used for the purposes of merging statistics with geospatial information:

- a) data about tourist accommodation capacities
- b) ETRS 89 LAEA grid
- c) spatial units ranging from the state level down to the address level.

- **Statistical units**

Basic units of statistical observation are all legal entities and natural persons, households and business entities engaged in providing accommodation services to tourists at a certain address.

- **Statistical population**

The statistical population refers to the total number of tourist accommodation capacities located at a certain address connected by the 1 x 1 km grid.

## **1. Relevance**

### **1.1. Data users**

External data users:

- DG Regio
- citizens

#### 1.1.1 User needs

It is expected that DG Regio will be the major user of prepared data. The project of merging statistics with geospatial information resulted in production of data on the number of tourist accommodation capacities

#### 1.1.2. User satisfaction

Not applicable.

### **1.2. Completeness**

Data are published in accordance with the EU legislation.

#### 1.2.1 Data completeness rate

Data completeness rate is: 100%

## **2. Accuracy and reliability**

### **2.1. Sampling error**

Not applicable.

### 2.1.1 Sampling error indicators

Indicator for this survey is not applicable.

### 2.1.2 Bias due to sample selection process

Indicator for this survey is not applicable.

## **2.2. Non-sampling error**

Not applicable.

### 2.2.1 Coverage error

All units are included in the frame, since all addresses on the territory of the Republic of Croatia and all levels of spatial units are observation targets.

### 2.2.2 Over-coverage rate

Indicator for this survey is not applicable.

### 2.2.3 Measurement errors

Not applicable.

### 2.2.4 Non-response errors

Not applicable.

### 2.2.5 Unit non-response rate

Indicator for this survey is not applicable.

### 2.2.6 Item non-response-rate

Indicator for this survey is not applicable.

### 2.2.7 Processing errors

Not applicable.

### 2.2.8 Imputation rate

Indicator for this survey is not applicable.

### 2.2.9 Editing rate

Indicator for this survey is not applicable.

### 2.2.10 Hit rate

Indicator for this survey is not applicable.

### 2.2.11 Model assumption error

Not applicable.

### **2.3. Data revision**

#### 2.3.1 Data revision – policy

Users of statistical data are informed about revisions (preliminary, final data) on the web site of the Croatian Bureau of Statistics.

#### 2.3.2 Data revision – practice

Provisional figures are not published in this survey and therefore regular revisions are not planned.

#### 2.3.3 Data revision – average size

Indicator for this survey is not applicable.

### **2.4. Seasonal adjustment**

Not applicable.

## **3. Timeliness and Punctuality**

### **3.1. Timeliness**

#### 3.1.1 Time lag – first results

Indicator for this survey is not applicable.

#### 3.1.2 Time lag – final results

Indicator for this survey is not applicable.

### **3.2. Punctuality**

#### 3.2.1 Punctuality – delivery and publication

Indicator for this survey is not applicable.

## **4. Accessibility and clarity**

First results of the project were disseminated to Eurostat, DG Regio and on the GeoSTAT portal of the Croatian Bureau of Statistics.

As a part of the project, the Methodological Guidelines were prepared that contain the explanation of the whole procedure of producing population grids. The current version of the Methodological Guidelines will be revised if new moments appear during the production of data sets.

### **4.1. News release**

Not applicable.

#### **4.2. Other publications**

Methodological Guidelines No. 77/2019: "Merging Data on Accommodation Establishments and Tourist Activity with Geospatial Information in the Republic of Croatia"  
([https://www.dzs.hr/Eng/publication/metodologije/metod\\_77.pdf](https://www.dzs.hr/Eng/publication/metodologije/metod_77.pdf)).

#### **4.3. On-line database**

GeoSTAT portal of the Croatian Bureau of Statistics (<https://geostat.dzs.hr/>)

#### **4.4. Micro-data access**

The conditions under which certain users can access microdata are regulated by the Ordinance on the Conditions and Terms of Using Confidential Data for Scientific Purposes.

#### **4.5. Documentation on methodology**

The draft version of the Methodological Guidelines under the title Merging Data on Accommodation Establishments and Tourist Activity with Geospatial Information in the Republic of Croatia is bilingual. The Methodological Guidelines explain all levels of preparing and producing statistical data in grids as well as references to other documents that were used in the project.

### **5. Comparability**

#### **5.1. Asymmetry for mirror flows statistics**

Not applicable.

#### **5.2. Comparability over time**

##### 5.2.1 Length of comparable time series

Indicator for this survey is not applicable.

##### 5.2.2 Reasons for break in time series

Not applicable.

### **6. Coherence**

#### **6.1. Coherence – short-term and structural data**

Indicator for this survey is not applicable.

#### **6.2. Coherence – national accounts**

Indicator for this survey is not applicable.

### **6.3. Coherence – administrative sources**

Indicator for this survey is not computed.

## **7. Cost and burden**

### **7.1. Cost**

The project was financed by the European Commission – Eurostat.

### **7.2. Burden**

Not applicable.