

**QUALITY REPORT FOR STATISTICAL SURVEY**  
**Annual Report on Waterway Fleet in Inland Waterways (PR/G-12)**  
**for 2020**

Organisational unit: Spatial Statistics Directorate, Transport Statistics Department

Prepared by: Snježana Kos and Korana Šakić Pokrivač

July 2025

## 0. Basic information

- Purpose, goal, and subject of the survey

The purpose of the survey is to collect and disseminate the data on the registered fleet of vessels in inland waterways, newly registered vessels and deregistered vessels in inland waterways.

- Reference period

Calendar year

- Legal acts and other agreements

Annual Implementation Plan of Statistical Activities of the Republic of Croatia

- Classification system

– Codebook of Harbour Master's Offices – inland waterways

– Codebook of Types of Vessels

- Statistical concepts and definitions

Tug is a powered vessel developing not less than 37 kW and designed for the towing of dumb barges, pushed-towed barges and rafts, but not for the carriage of goods. Port and sea tugs are excluded.

Pusher vessel is a powered vessel developing not less than 37 kW and designed or fitted for the pushing of pushed barges or pushed-towed barges, but not for the carriage of goods. Port pusher vessels are excluded.

Powered vessel is a powered vessel developing not less than 37 kW and designed or fitted for the towing of dumb barges, pushed-towed barges or rafts and for the pushing of pushed and pushed-towed barges, but not for the carriage of goods.

Self-propelled barge is an inland waterway freight vessel having its own means of mechanical propulsion. Self-propelled tanker barge is a self-propelled barge intended for the bulk transport of liquids or gases.

Dumb barge is an inland waterway freight vessel which is designed to be towed and does not have its own means of mechanical propulsion.

Dumb tanker barge is a dumb barge for the bulk transport of liquids or gases.

Pushed barge is an inland waterway freight vessel which is designed to be pushed and does not have its own means of mechanical propulsion.

Push tanker barge is a push barge for bulk transport of liquids or gases.

Carrying capacity of an IWT freight vessel is the maximum authorised weight of goods, expressed in tonnes, which a vessel may carry.

Power (kW) is a mechanical force developed by the motive power installation in a vessel. Converting h.p. into kW is done by multiplying h.p. with the coefficient 0.735. (1 h.p. = 0.735 kW; 1 kW = 1.36 h.p.).

- Statistical units

Registered vessels in the Republic of Croatia

- Statistical population

Waterway fleet in inland waterways

## **1. Relevance**

### **1.1. Data users**

- European Commission
- state institutions and different organisations in the transport sector

#### **1.1.1. User needs**

The standard applied at the level of the European Statistical System meets the needs of national and international users.

#### **1.1.2. User satisfaction**

The first user satisfaction survey of the Croatian Bureau of Statistics was conducted in 2013, the second one in 2015. The results of the survey are available on the website of the Central Bureau of Statistics <https://dzs.gov.hr/highlighted-themes/quality/user-satisfaction-surveys/686>.

### **1.2. Completeness**

The survey covers all the variables prescribed by legal acts.

#### **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**

The indicator is not applicable.

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

Not applicable.

#### **2.2.1. Coverage error**

The indicator for this survey is not computed.

#### **2.2.2. Over-coverage rate**

The indicator is not applicable.

#### **2.2.3. Measurement errors**

During the statistical data processing, received data are compared to the previous year, after which possible deviations are checked in cooperation with the reporting units.

#### **2.2.4. Non-response errors**

Non-response errors are reduced to zero during the analysis by frequently contacting the reporting units (by phone, e-mail and letters) as well as by building good business relationships with reporting units.

#### **2.2.5. Unit non-response rate**

The indicator is not computed.

#### 2.2.6. Item non-response rate

The indicator is not computed.

#### 2.2.7. Processing errors

The indicator for this survey is not computed.

#### 2.2.8. Imputation rate

The indicator is not applicable.

#### 2.2.9. Model assumption error

The indicator for this survey is not applicable.

### 2.3. Data revision

#### 2.3.1. Data revision – policy

The users of statistical data are informed about revision (preliminary, final data) on the website of the Croatian Bureau of Statistics.

#### 2.3.2. Data revision – practice

Provisional data are not published in the survey; therefore, there are no data revisions.

#### 2.3.3. Data revision – average size

The indicator is not applicable.

### 2.4. Seasonal adjustment

The indicator for this survey is not applicable.

## 3. Timeliness and punctuality

### 3.1. Timeliness

Eight months after the end of a year

#### 3.1.1. Timeliness – first results

The indicator is not applicable.

#### 3.1.2. Timeliness – final results

Timeliness – final results: T + 238.

### 3.2. Punctuality

The percentage of editions/data delivered in a timely manner is 100%.

#### 3.2.1. Punctuality – delivery and publication

Delivery and publication is 1.

## **4. Accessibility and clarity**

Data are disseminated electronically on the website of the Croatian Bureau of Statistics.

### **4.1. News releases**

Data compiled in this survey are not published in a First Release.

### **4.2. Online database**

Data are not available in online databases.

### **4.3. Microdata access**

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

### **4.4. Documentation on methodology**

Definitions used in data collection are available in the publications of the Croatian Bureau of Statistics, while additional elements are available in the Glossary for Transport Statistics - fourth edition.

## **5. Coherence and comparability**

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

The indicator for this survey is not applicable.

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

Since 1999

#### **5.2.1. Length of comparable time series**

Length of comparable time series is 22.

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

The comparable time series of data has been available since 1999.

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

The indicator is not applicable.

### **5.4. Coherence – national accounts**

The indicator is not applicable.

### **5.5. Coherence – administrative sources**

The indicator is not applicable.

## **6. Cost and burden**

### **6.1. Cost**

The indicator is not computed.

### **6.2. Burden**

The indicator for this survey is not computed.