

# TWINNING CONTRACT

BA 15 IPA SR 01 17

## Support to the reform of the statistics system in Bosnia and Herzegovina



## MISSION REPORT

Activity 2.B.4:

**Improving quality by increasing use of administrative data II**

**Component 2: Business Statistics**

Mission carried out by  
**Carsten Zangenberg, Statistics Denmark**  
**Ville-Matti Pilviö, Statistics Finland**

**05 - 08 November 2019**

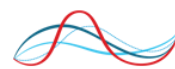
Version: Final



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## List of Abbreviations

AD	Administrative Data
BC	Beneficiary Country
BHAS	Agency for Statistics of Bosnia and Herzegovina
BiH	Bosnia and Herzegovina
CBBH	Central Bank of Bosnia and Herzegovina
EC	European Commission
EU	European Union
FBiH	Federation of Bosnia and Herzegovina
FIS	Institute for Statistics of Federation of Bosnia and Herzegovina
MS	EU Member State
RSIS	Institute for Statistics of Republika Srpska
RTA	Resident Twinning Adviser
ToR	Terms of Reference
ETL	Extract Transform and Load
GSBPM	General Statistical Business Process Model
ToR	Terms of Reference

## Executive Summary

*Through a draft mapping, the mission has shown considerable experience, but also a great potential in the use of administrative data in statistics production in BiH. A systematic and law-based approach to the administrative data owners as well as cooperation between the statistical producing entities could support the exploitation of this potential. Special techniques and methods are needed for reuse administrative data for public statistics. These can be developed and maintained in statistical institutions - supported through international cooperation.*

### 1. General comments

This mission report was prepared within the EU Twinning Project "Support to the reform of the statistics system in Bosnia and Herzegovina". It was the second mission to be devoted to business Statistics within Component 2 of the project.

The purposes of the mission were:

- Follow up from the previous mission

#### **To be prepared by the MS experts**

- Preparation of a template for creating an overview of the use and existence of administrative data in the production of official statistics.

#### **To be prepared by the BC Counterpart**

- The overview should cover the production of official statistics and written agreements and MoUs in BHAS, FIS, RSIS and CBBH
- Provide extracts from statistical laws regarding administrative data and exchange thereof for the purpose of statistical production.
- Identification of possible areas for experimental studies in order to use more administrative data in statistics production.

- Increased use of administrative data in official statistics

The consultants would like to express their thanks to all officials and individuals met for the kind support and valuable information which they received during the stay in Bosnia-Herzegovina and which highly facilitated their work.

This views and observations stated in this report are those of the consultants and do not necessarily correspond to the views of EU, BHAS, FIS, RSIS, CBBH, Statistics Denmark, INSEE, Statistics Finland and Croatian Bureau of Statistics.

### 2. Assessment and results

In line with EU best practices, BiH institutions - BHAS, FIS, RSIS and CBBH - have expressed a strong desire to increase the use of Administrative Data (AD) sources for statistical production. The first of three missions presented and elaborated the benefits of using AD. This was followed up by BC input outlining currently used AD sources as well as AD sources identified that could potentially be used. The material was collected through a common template and composed by the experts, broken down by the four institutions, the statistical topic and whether the data in question was used or a potential and desired use. These findings were mapped during this second mission (see Annex 2). Further elaboration of this mapping process will continue between the second and final mission with the aim to give a clear picture of the current situation and pave the way forward for using some of the potential sources by priority as set by all four BC institutions.

Based on reviews of laws in BiH on the production of public statistics, opportunities and issues were discussed and clarified in relation to specific areas.

Interactive discussions were also held covering general methods, techniques and editing in relation to specific applications of administrative data in statistics production including real life examples of validation, reporting and the management of AD. The experts have shared a number of examples of AD usage in Denmark and Finland, explaining how their processing system work.

Action plans as a tool for developing AD usage was introduced and explained. An interactive session was held aiming to develop specific action plans for prioritized identified available sources by the four institutions. Across institutions, exercises were conducted in the preparation of action plans based on estimated real possible AD in BiH.

Twinning assistance also covered the common issues to overcome obstacles encountered with resistant AD suppliers and a toolbox of methods to use (like image/trust building for statistical institutions) in dealing with data suppliers.

### 3. Conclusions and recommendations

BHAS, FIS, RSIS and CBBH have all indicated a strong will to further the usage of AD. This supplemental component has been organized in cooperation with the Twinning Project to further this goal.

The first draft mapping of the use of administrative data shows that there is much experience already in the four institutions.

Active participation by the BC has greatly assisted the component experts on focusing on pertinent topics to assist the institutions build expertise in this field. This work will continue into the third and final mission.

Based on findings from this mission, the following recommendations are put forward:

1. Building trust, a climate of data security and a culture of cooperation with regards the general public and AD providers requires hard work by all institutions involved, a problem that all statistical agencies have faced.
2. Expanding and maintenance of AD usage should be continued but implementations often require individualized approaches.
3. Particular attention should be paid in the statistical institutions in the preparation of action plans for access to potential new administrative sources.
4. Business plan models, user needs studies, and relevant IT solutions should be included in the statistical institutions' toolbox for collaboration with AD providers.
5. Cooperation between statistical institutions and providers of AD should be enhanced, e.g. within economic and business statistics.
6. There is a need for exchange of knowledge and experience in AD imputation and error editing techniques

Action	Deadline	Responsible person
To complete the mapping of AD the institutions should revise and complement the delivered Excel worksheets on existing and potential AD sources based on given	By the end of Dec 2019	All four BC institutions

feedback, additional questions as supplied by the experts and sorted by priority and/or time		
The experts will provide translated agreements as examples or models for possible implementation in BiH	By the end of Dec 2019	Both MS experts
The experts will prepare presentations and examples of error editing and data imputation for AD - both on a priori level and specific examples	By February 2020	Both MS experts

## Annex 1. Terms of Reference

### Terms of Reference

#### EU Twinning Project BA 15 IPA ST 01 17

#### Component 2: Business Statistics

5 - 8 November 2019

Hosting institution: Central Bank of Bosnia and Herzegovina

Mehmeda Spahe 3, Sarajevo

#### Activity 2.B.4: Improving quality by increasing use of administrative data II

##### 1. Purpose of the activity

- Follow up from the previous mission

##### To be prepared by the MS experts

- Preparation of an overview of the use and existence of administrative data in the production of official statistics.

##### To be prepared by the BC Counterpart

- The overview should cover the production of official statistics and written agreements and MoUs in BHAS, FIS, RSIS and CBBH
  - Provide extracts from statistical laws regarding administrative data and exchange thereof for the purpose of statistical production.
  - Identification of possible areas for experimental studies in order to use more administrative data in statistics production.
- Increased use of administrative data in official statistics

##### 2. Expected output of the activity

- Presentation of MS on the calculation of service
- Preconditions and possibilities for how to increase use of administrative data in BiH further discussed incl. attention to IT and digitalisation aspects
- Identification of action points to include in an Action Plan
- Draft Action Plan

##### 3. Participants

##### Agency for Statistics of BiH (BHAS)

- Dr.sc. **Velimir Jukić**, *director*
- **Fadil Fatić**, *deputy director*
- Mr.sc **Miljan Popić**, *deputy director*
- **Fahir Kanlić**, *Head, Department for Industry and Construction Statistics*
- **Anita Brković**, *Senior officer for statistics of construction, Department for Industry and Construction Statistics*
- **Fuad Bahtanović**, *Head, Forestry and Fishery Statistics Department*
- **Amra Ibrahimagić**, *Advisor, Department for development of social statistics*
- **Selma Husković**, *Senior office, Labour market department*

- **Ivana Tavra Čolo**, *Head of the Department for Statistical Business Register and Economic Classifications*
- **Dženita Mustafić**, *Adviser, Department for Statistical Business Register and Economic Classifications*
- **Emina Mehanović**, *Specialist, Department for Transport, Environment, Energy and Regional Statistics*
- **Jasna Samardžić**, *Head of International Cooperation Department and European Integration*
- **Selveta Hot**, *Advisor, International Cooperation Department and European Integration*

#### **Central Bank of Bosnia and Herzegovina**

- **Želimira Raspudic**, *Vice-governor*
- **Amir Hadziomeragic**, *Head of Department for Statistics and Publication*
- **Snezana Janjic**, *Head of MFS section*
- **Ervin Zolić**, *Head of GFS section*
- **Suzana Kozinovic Licanin**, *Senior expert for BoP*

#### **Institute for Statistics of Federation of BiH (FIS)**

- **Alma Čolpa**, *Senior advisor for structural business statistics*
- **Merima Hadžalić**, *Senior Advisor for Business Services*
- **Ajdina Jerković**, *Associate for construction statistics*
- **Envera Hurić**, *Senior Advisor to register and classification*
- **Amar Bisić**, *Senior Associate for Registers*
- **Samka Avdić**, *Head of Department for Labour Market Statistics*
- **Mujesira Salihović**, *Senior Advisor to the statistics of wages and labor costs*

#### **Institute for Statistics of Republika Srpska (RSIS)**

- **Vladimir Koprivica**, *Senior statistician for Labour Force Survey*
- **Dragana Mandić**, *Senior Statistician for Migration Statistics - Demographic and Social Statistics Sector*
- **Lazo Šegrt**, *Senior Advisor for Structural Statistics in Agriculture*

#### **MS Experts**

- Carsten Zangenberg, *Director, Statistics Denmark*
- Ville-Matti Pilviö, *Senior Statistician*

#### **Twinning Project Administration**

- Katja Møller Hjeltvang, *RTA*
- Djemka Šahinpašić, *RTA Assistant*
- Lejla Efendić, *Interpreter*