

PRIORITY TASKS OF THE CZECH STATISTICAL OFFICE FOR 2024

INTRODUCTION

Priority tasks contain a plan of activities that the CZSO management considers to be extremely important for the implementation of the CZSO's Strategic Plan in the given year. In 2021, the management of the CZSO approved a new strategy for the period 2022–2026. It includes the following strategic objectives:

1. To improve the relevance and accessibility of official statistics to users.
2. To reduce the administrative burden on respondents.
3. To increase the prestige and respect of the CZSO.
4. To modernise the operation of the CZSO.
5. To become an employer that is recommended.

The priority tasks for the given year directly follow the partial strategic objectives. The following priority tasks were set for 2024:

1. To modernise the Statistical Information System (SIS 5.0 Programme)
2. To develop a strategy for the CZSO's involvement in the area of state administration data management
3. To prepare a revision of the European standard classification of productive economic activities (NACE)
4. To modernise the macroeconomic statistics system
5. To modernise the business statistics system
6. To modernise the demographic and social statistics system
7. To expand the range of data in new dissemination tools
8. To standardise the IT work culture
9. To make the support processes and internal communication more efficient
10. To complete the modernisation of the CZSO's buildings

The progress of priority tasks' fulfilment is monitored and evaluated in the CZSO at the top management level. Measurable objectives are part of the description of activities within priority tasks.

In recent years, the CZSO has actively addressed priority tasks in the area of the preparation and implementation of the Population and Housing Census, the creation of an integrated system of annual demographic and census statistics, the streamlining of the state statistical service, and the use of administrative data and data from corporate information systems, the shortening of deadlines for GDP estimates, the development of statistical registers, and the implementation of tools created within the Redesign of the Statistical Information System (SIS) project. Significant attention was also paid to the rebranding and expansion of the database of foreign trade statistics (international trade in goods – change of ownership), the issue of statistics of waste and secondary raw materials, data support of the sustainable development agenda, reform of structural wage statistics, or innovation of data collection for field surveys in households. Other activities included the development of infrastructure and management of information technologies (IT), tools for shared work, the introduction of quality management, the electronisation of the CZSO's support processes, and the implementation of energy-saving projects within the adaptation of the CZSO's buildings.

1. TO MODERNISE THE STATISTICAL INFORMATION SYSTEM (SIS 5.0 PROGRAMME)

Link to the CZSO's strategic objective

1. To improve the relevance and accessibility of official statistics to users.
2. To reduce the administrative burden on respondents.
3. To increase the prestige and respect of the CZSO.
4. To modernise the operation of the CZSO.

Responsible person

The SIS 5.0 project manager

Co-operating responsible persons

Project structure of the SIS 5.0 and TNODS, including subject managers of individual subsystems: Central Authentication Point (Pavel Charvát), Unified Input Interface (Lucie Lukášová), Central Processing (Pavel Skotnica), Unified Meta-information System (Petr Eliáš), System of Statistical Registers (Michal Čigáš), Creation of Open Datasets (Michal Čigáš).

Description of the Priority Task

Ensuring the next life cycle, replacing the outdated and unsupported technologies and ensuring the functional development of the SIS will be implemented in 2024-2026 in the form of two projects included in the National Recovery Plan (NPO). In particular, it is the Statistical Information System 5.0 project comprising the following subsystems:

- Central Authentication Point (CAB),
- Unified Input Interface (VST)
- Central Processing (CNT),
- Expansion of Dissemination Tools (DIS),
- Unified Meta-information System (JMS),
- System of Statistical Registers (SSR),

completed by the Creation of New Open Data Sets (TNODS) project. These projects were originally defined already as part of the Digital Czech Republic programme and later transferred to the NPO, from which it is possible to secure their financing by means of a subsidy. Part of the project is also the **Expansion of Dissemination Tools** subsystem. Since 2024, it has been assigned to priority task No 7 "To expand the range of data in new dissemination tools". However, from the point of view of project management, it remains an important component of the entire Statistical Information System development.

The development of the Statistical Information System will be carried out in accordance with the conceptual and legislative documents.

In 2023, in cooperation with the owner of the NPO component (Ministry of the Interior - MV), there were significant restructuring and consolidation of plans for the modernisation of the SIS, in which 6 originally separate projects were merged into the above-described large Statistical Information System - SIS 5.0 project. This will ultimately allow the planned activities to be spread over a longer period of time (until mid-2026). As a result, the original separate projects became the SIS 5.0 subsystems, and the Creation of New Open Data Sets remains a separate project of the NPO. For both projects (SIS 5.0 and TNODS), applications for their financing have been approved and officially submitted. The issue of legal acts (decision on subsidy) can be expected at the beginning of 2024.

The years 2024, 2025, and the first half of 2026 will be the decisive period of the project implementation phase, characterised by a massive involvement of suppliers chosen from about 20 mini-tenders, which will be gradually announced in 2024 on the basis of the tendered framework agreement.

1.1 Central Authentication Point (CAB)

The development part of the Central Authentication Point subsystem was successfully completed already in 2023, i.e. the CAB portal was successfully created and the connection to the National Identity Authority (NIA) portal and Data Box Information System (ISDS) authentication services was implemented, including the subsequent implementation of OpenID Connect. The DanteWeb application was connected to the CAB. In the next years of the SIS 5.0 project implementation, other applications will be gradually connected to the CAB, following their gradual completion and putting into operation.

1.2 Unified Input Interface (VST)

The aim of this part of the SIS 5.0 is to optimise the burden put on statistical survey respondents by using principles and possibilities of eGovernment, sharing administrative data, introducing and improving modern tools for statistical data collection, and promoting an active dialogue with interested parties (stakeholders). The VST will provide new services, data collection from respondents using a dynamic website, responsive design, and multi-platform support. It will include a new input channel enabling the automated transfer of respondents' data through cooperation of their corporate information systems and web services to the CZSO's systems, including the possibility of receiving scanner data from checkout systems of retail sellers. Part of the project will be a newly built Respondent's Portal, which will summarise all published web functions to support the activities of statistical survey respondents and other data providers.

The procurement documentation for mini-tenders will be gradually prepared to be announced, for the Registration System (VST-EVI) and External Integration Bus, Administrative Data Sources (VST-AZD), Enterprise Information Systems (VST-ERP), Respondent's Portal (VST-POR), and Controls (VST-KON).

1.3 Central Processing (CNT)

The Central Processing subsystem follows input processing. It deals with the central processing as well as its management. This includes, in particular, the creation of statistical information based on input data, the creation of outputs, and the transfer of processed data to subsequent processes for statistical analyses, the dissemination of outputs of statistical tasks and statistical analyses. The main objectives include ensuring the services of joint storage, management, editing, supplementing, updating, and internal data disclosure service for all other SIS components from administrative data sources and other external data sources, regardless of the technological procedure of their acquisition. With the gradual expansion of the Linked Data Fund (data pool; PPDF) and the development of the Shared Services Information System (ISSS), these data will be obtained via the CZSO's interface from the ISSS. As part of the project, Common Transformation Tools will be created with the functionality of converting input data into the format of statistical variables in accordance with the data and metadata description of data according to the CZSO's standards. Among other things, the new tool will allow the administrators of these data to carry out checks and corrections in these data, and thus ensure high data quality for their further processing.

1.4 Unified Meta-information System (JMS)

The aim of the subsystem is to expand and modernise the Statistical Meta-information System (SMS), ensure the replacement of outdated or no longer functional technologies, and improve the accessibility of metadata. The primary goal of the Unified Meta-information System is to methodically support the processing, transmission, and publication of statistical data. From the point of view of internal users, the most significant benefits will be the creation of a central tool for planning and monitoring the preparation and processing of statistical tasks, which will also enable the planning of operational activities, such as shutdowns of applications and databases. In addition, it will allow the expansion of the tool for recording and managing changes in metadata, or the interface for access to metadata stored in the Statistical Meta-information System by other SIS tools. The most significant benefits for external users will primarily consist in making CZSO reference code lists available in open data formats and sharing them in the Public Data Fund (data pool; VDF) and PPDF environment, where part of the solution will also be the activation of a service alerting code list users to code list updates.

1.5 System of Statistical Registers (SSR)

The goal of the subsystem is to integrate statistical registers into PPDF and implement digital services stipulated by Act No 12/2020 Sb, on the right to digital services and on the amendment of certain other acts, as amended. Other goals of the project include the modernisation of the System of Statistical Registers (SSREG) and the integration of satellite registers (Register of Collective Accommodation Establishments (RUZ), Farm Register (ZEMREG), Database of Economic Entities Involved in International Trade) into the SSREG. The project will ensure the provision of new digital services for legal entities and natural persons – entrepreneurs. Specifically, it will be about providing statements on data kept in the system of statistical registers and on their changes. Integration into PPDF will further ensure the acquisition of more up-to-date and consistent data from administrative sources – all citizens will benefit from this in the form of better statistical outputs needed for their decision-making. In the case of modernisation of software infrastructure, the goal is to increase its integration into the SIS and ensure the financial sustainability of the SSREG's operation in the coming years.

1.6 Creation of New Open Data Sets (TNODS)

The goal of the project is to modernise tools and streamline processes related to the creation and maintenance of datasets and geographic outputs within the Register of Census Districts and Buildings (RSO) and ensure their publication in an open format and shorter time periods (so far only quarterly). The result will be a significant improvement of the content and distribution of existing data, as well as the creation of new open data and the creation of conditions (infrastructure) for their sharing.

2. TO DEVELOP A STRATEGY FOR THE CZSO'S INVOLVEMENT IN THE AREA OF STATE ADMINISTRATION DATA MANAGEMENT

Link to the CZSO's strategic objective

1. To improve the relevance and accessibility of official statistics to users.
2. To reduce the administrative burden on respondents.
3. To increase the prestige and respect of the CZSO.

Responsible person

General Methodology and Registers Section

Co-operating responsible persons

For 2.1 – Human Resources and Wages Department (O13), Financing and Budget Department (O21), Public Contracts and Legal Services Department (O23), for 2.2 – Information Services Department (O29), for 2.1 and 2.2. - Security and Crisis Management Department (O12), IT Section (S9), Legislation and International Cooperation Department (O14), for 2.3 – Macroeconomic Statistics Section (S4), Business Statistics Section (S5), Demography and Social Statistics Section (S6).

Description of the Priority Task

The main goal of the priority task is to continue the activities that are ongoing in fact, but it is necessary to create an adequate strategic framework for them based on developments in the definition of eGovernment and to establish a plan of partial activities. The task consists of three separate components.

2.1 Preparation and transfer of the Basic Register of Legal and Natural Persons to DIA

The task is a continuation of the priority task from 2023, in which the initial activities necessary for the smooth transfer of the Basic Register of Legal and Natural Persons (ROS) began. In order to meet all legal conditions, the transfer will be carried out by signing contracts with the Digital and Information Agency (DIA) in the area of transfers of assets, funds, contracts with suppliers, systematised posts and commitments to EU regarding projects financed by the NPO. Part of the task is also training of selected DIA employees to ensure activities related to the management of ROS and possibly also other necessary cooperation with DIA after the transfer of the ROS. Prior to the actual transfer, communication with editors and major ROS users will be required to inform them about this event in time.

In 2024, it will also be necessary to complete the implementation of the ROS-IAIS 2020+ project financed by the NPO in the area of analyses of the future development of the ROS-IAIS and to prepare final monitoring reports for an approval by the Structural Funds Department (OSF) of the MV. It will also be necessary to complete the development requirements of the ROS, where the DIA requires the cooperation of all administrators of the basic registers. Until the transfer of the ROS, the CZSO is still its administrator, and therefore it must fulfil all the obligations arising thereof.

2.2 Data Management Strategy

The task arose in the context of Regulation (EU) 2018/1724 of the European Parliament and of the Council establishing a single digital gateway to provide access to information, to procedures and to assistance and problem-solving services and amending Regulation (EU) No 1024/2012, namely by Regulation (EU) 2022/868 of the European Parliament and of the Council on European data governance and amending Regulation (EU) 2018/1724 (Data Governance Act) and in connection with the forthcoming national data management act. One of the goals under the above legislation is to set up the right processes for safe and effective data management. Another goal is to create controlled access to data and streamline data sharing, in order to make the data that has been created or collected by public sector bodies, or other bodies through spending from public budgets, available more widely and, under certain conditions, repeatedly, throughout the EU. In particular, it concerns the use of data for European research and innovations by private and public bodies. Therefore, the CZSO must adopt an adequate strategy for data sharing in order to negotiate consistently at national and European level. The purpose of the activity is to create controlled access to data for scientific purposes and set up the right processes for safe and effective management. The strategy will also be based on the strategy of the Czech Republic, the action plan until 2030, and the minimum standards for quality data management in public administration, which are under the responsibility of DIA. They are expected to be ready in 2024. The task will include activities related to the legislative preparation of the data management act, the substantive intent of which has already been approved.

2.3 Analysis of the potential use of other administrative data sources for the needs of the CZSO

The aim of the task is to create a clear strategy of the CZSO in the area of using administrative and other data sources for easier communication of the CZSO with respondents, the state administration, and users of statistical information. The first task in this area is to complete the update of records of the administrative data sources (AZD) used now by the CZSO not only for the purpose of replacing statistical surveys (and thus reducing the administrative burden on respondents), but also to improve the quality of data in statistical registers and statistical outputs. The AZD records will create the basis for the fulfilment of priority task No 1 "To modernise the Statistical Information System" when establishing new channels for data reception from AZD in clearly specified and unified ways, incl. Connected Data Fund, Public Data Fund, and Enterprise Information Systems (ERP). The follow-up task is to identify potential new data sources and assess their suitability. The task will be based on consultations with the DIA, which is responsible for the Register of Rights and Obligations, and which will probably be entrusted with the role of single information point (with the obligation to keep records of administrative data sources) by the forthcoming data management act.

3. TO PREPARE A REVISION OF THE EUROPEAN STANDARD CLASSIFICATION OF PRODUCTIVE ECONOMIC ACTIVITIES (NACE)

Link to the CZSO's strategic objective

1. To improve the relevance and accessibility of official statistics to users.
3. To increase the prestige and respect of the CZSO.
4. To modernise the operation of the CZSO.

Responsible person

General Methodology Department

Co-operating responsible persons

Macroeconomic Statistics Section (S4), Business Statistics Section (S5), Demography and Social Statistics Section (S6), Legislation and International Cooperation Department (O14), Information Services Department (O29), IT Section (S9).

Description of the Priority Task

The aim of the task is to continue the activities necessary for the implementation of the revised European standard classification of productive economic activities, designated as NACE Rev. 2.1, into the (Statistical) Business Register (RES) and all statistical domains according to the Eurostat methodology. These activities include preparation of a national version of the classification (CZ-NACE), creation of a plan for implementation into RES and individual statistical domains (transcoding of RES activities, implementation of dual coding in RES), and into the subsequent stages of processing (modification of the system for preparation of statistical surveys based on the register – selection methods, weights, unit ranges, data processing, time series conversion). These activities are part of the EU grant No 101135550 – 2022-CZ-NACE, which will need to be administered. It will be necessary to discuss and prepare for the possibility of carrying out a special survey for the revision of NACE, if this will be required by the national implementing bodies (VPO) responsible in this area. Furthermore, the analysis of the use of web scraping for the detection of NACE code in the RES will continue. Following this revision, cooperation with Eurostat will also continue to update the Statistical Classification of Products by Activity (CPA Rev. 2.2).

4. TO MODERNISE THE MACROECONOMIC STATISTICS SYSTEM

Link to the CZSO's strategic objective

1. To improve the relevance and accessibility of official statistics to users.
2. To reduce the administrative burden on respondents.
4. To modernise the operation of the CZSO.

Responsible person

Macroeconomic Statistics Section

Co-operating responsible persons

IT Section (S9), Regional Office of the CZSO in Hradec Králové (KS 78), General Methodology and Registers Section (S3), Business Statistics Section (S5).

Description of the Priority Task

The aim is to improve macroeconomic statistics in terms of timeliness, especially by introducing a preliminary estimate of the consumer price index and by expanding the use of scanner data in other product segments.

4.1 Methodology of flash estimate of inflation index

The CZSO is currently publishing a standard estimate of the Consumer Price Index (CPI) 10 days after the end of the reference month. In line with international practice, the estimate is not revised as all data sources are used. The preliminary estimate will be significantly timelier, but using a more limited range of data, and will therefore be subjected to revisions. Within the task, there will be prepared a methodology for the preliminary estimate of the consumer price index, which will be tested in particular with regard to the size of the revision between estimates.

4.2 Extension of the area of using the scanner data for the creation of statistics

During the previous period, the scanner data were implemented into routine production of statistics, in particular the consumer price index, retail statistics, and national accounts. The priority task for 2024 will be focused on completing the implementation for hobby markets and preparing the implementation of data for the e-commerce segment, which was addressed to cooperate in the 4th quarter of 2023. Machine learning will be used for data processing and the possibility of cooperation with the administrator of Global Trade Item Numbers (GTIN) will also be investigated. Furthermore, the data processing technology for the consumer price index will be dealt with.

5. TO MODERNISE THE BUSINESS STATISTICS SYSTEM

Link to the CZSO's strategic objective

1. To improve the relevance and accessibility of official statistics to users.
2. To reduce the administrative burden on respondents.
4. To modernise the operation of the CZSO.

Responsible person

Business Statistics Section

Co-operating responsible persons

Agricultural and Forestry, Industrial, Construction, and Energy Statistics Department (O51), Trade, Transport, Services, Tourism, and Environmental Statistics Department (O52), Business Statistics Coordination and Business Cycle Surveys Department (O53), General Methodology and Registers Section (S3), Macroeconomic Statistics Section (S4), IT Section (S9), Regional Offices of the CZSO (sector O3).

Description of the Priority Task

As in previous years, the priority task will represent a set of relatively small projects focused on innovative solutions in particular areas of business statistics. In 2024, the emphasis will be placed on activities related to the acquisition and use of new data sources with potential impact on the scope of existing reporting, namely in the case of agricultural statistics (completion of the transition to AZD in animal production statistics and experimental verification of the possibility of using satellite data for the compilation of harvest estimates), construction and housing construction (using new data from the Register of Territorial Identification, Addresses and Real Estate – RÚIAN), tourism (preparation for the use of the eTurista system, which is under preparation) and the environment (starting the preparation of the transition to AZD in statistics of water management). A specific task will be the preparation for the implementation of the accounting act, which does not have an immediate link to new data sources, but mainly due to the higher importance of International Financial Reporting Standards (IFRS) it requires a change in the starting paradigms when using current data sources.

5.1 Administrative data sources in agricultural statistics

In the field of agricultural statistics, the transition to administrative data sources will continue. In 2023, data from the Land Registry-LPIS (Land Parcel Identification System) and uniform application for crop production were first used but work on using the Livestock Register (Animal Register, IZR) to compile animal production statistics remains to be completed according to the schedule. In 2024, crop production statistics will continue to optimise routine processing procedures with an emphasis on the follow-up tasks of harvest estimates, final harvest figures, and crop balance(s). In the animal production statistics, the selected procedure for the use of data on livestock status from the Livestock Register (Animal Register, IZR) maintained by the Ministry of Agriculture (MZe) will be validated, i.e. the acquisition of data available from the administrative source in combination with modelling and the use of existing surveys on cattle, pigs, and poultry farming, this will ensure the required data structure and quality for 2025 in accordance with the EU Regulation on statistics on agricultural input and output (SAIO). Following the work progress within the SIS 5.0 project, work will continue to integrate the processing of agricultural statistics under the universal SIS tools and the integration of the agricultural register into the statistical registers system.

5.2 Development of harvest estimates using satellite imaging

A significantly innovative activity will be the start of work on modelling of main crop harvest estimates using satellite imaging. The aim will be to prepare and verify estimate models and, possibly, to propose further steps of implementation into standard statistical production. In 2024, the first version of the model will be created on the data of 2023, using data on areas under crops in map detail according to parts of soil blocks from an administrative source using satellite data (temperature, humidity, density of vegetation) and other input factors (soil quality, production sub-areas, areas with natural limitation) in the confrontation with the harvest estimates from the 2023 reporting for the months June to October, or rather with the 2023 final harvest figures. During the second half of 2024, the model will be tuned and validated on the current results of the statistical survey of harvest estimates. In the first quarter of 2025, the evaluation of the model

based on actual data from the final results of the 2024 harvests, and a proposal for a further procedure are planned, preferably by introducing the model into routine processing, while in the first year 2025 still in combination with the standard survey (June and August estimates from satellite data).

5.3 Reduction of reporting in housing construction statistics and transition to the use of data from the RÚIAN

In the field of housing construction statistics, attention will be focused on further expansion of the use of data on new housing construction from the RÚIAN. The target should be to cancel the Stav 7-99 Report on a Building or a Dwelling (Flat) Completion. In connection with the launch of the RÚIAN, since 2013, the Stav 7-99 statistical report was simplified and the Stav 4-99 Report on a Building or a Dwelling (Flat) cancellation was cancelled. Since 2013, the Stav 7-99 report was modified to identify only the necessary data that are not kept in the RÚIAN (or are kept in insufficient details). At the beginning of basic registers definition, the technical-economic attributes of a building object (TEA SO) were not kept in the RÚIAN as reference data and there was no technical possibility to verify attribute values by defining control rules, which significantly reduced the quality of the data received. In view of the fact that since 1st February 2022 all TEA SO in the RÚIAN are considered to be reference data, the data quality can be better controlled. Thus, the possibilities how to achieve unification of the Stav 7-99 and TEA in the RÚIAN and reduce the burden on construction authorities (SÚ) have been expanded. The basic prerequisite for cancelling the Stav 7-99 statistical survey is the extension/more precise specification of the TEA SO in the RÚIAN.

In 2025, the list of attributes collected by the Stav 7-99 report should be optimised and their possible reduction should be done based on discussions with data users. The resulting requirements for the new TEA SO or for the extension of the code values of the valid TEA SO will be passed to the Czech Office for Surveying, Mapping and Cadastre (ČÚZK), including a description of all added (modified) attributes and control links. At the same time, negotiations will be held with the Ministry of Regional Development (MMR) on the possibility of adding the necessary TEA SO into the annex to the implementing regulation on the building documentation. The technical solution will require a new design of the web service because the existing data flow from the RÚIAN via the RSO is not possible. The task will also continue in the coming years. For 2025, we expect the pilot downloads of data from the RÚIAN and their validation based on the Stav 7-99 report. If the system works and the data quality is not significantly lower, the Stav 7-99 report can be cancelled from the reference year 2026.

The task will also include mitigation of risks associated with the transition to a new administrative data source, since after experience from previous years the quality of the data received can be expected to deteriorate, at least in the initial phase. It will be necessary to complete the system of work at the Regional Office of the CZSO in Brno (data control and contact with building authorities during data corrections) and propose a mechanism to ensure flexibility in responding to any new requirements.

5.4 Preparation for the eTurista system introduction

In the field of tourism statistics, work on the use of the eTurista system will continue under the auspices of the MMR. In 2023, the preparation of the eTurista system was focused mainly on comments to proposals for the legislative solution, which consists in amending the Act No 159/1999 Sb, on certain business conditions in the field of tourism. In 2024, the technical preparation of the project itself should be started, inter alia by the creation of the tender documentation and announcing the tender to choose a supplier. The Czech Statistical Office offered to the MMR cooperation in the preparation and definition of technical requirements for the system in connection with the need to adapt them to statistical processes. In 2024, the CZSO will prepare in parallel for the collection, processing, and dissemination of data. To this end, a working group will be created from representatives of the General Methodology and Registers Section (S3), IT Section (S9), and Regional Offices of the CZSO (sector 03).

5.5 Transition to administrative data in the field of water management statistics

Within the environmental statistics, there will be evaluated possibilities of the transition to administrative data in the field of water management statistics, which would partially or completely replace the statistical survey VH8b-01 Water Supply and Sewerage Systems. The aim is to reduce the administrative burden while maintaining data quality. The MZe is the administrator of the system for the Water Supply

and Sewerage Systems property and operation records. Individual entities have a notification obligation under Act No 274/2001 Sb, on water supply and sewerage systems, and Decree No 428/2001 Sb, which is implementing the Act No 274/2001 Sb. Firstly, it will be necessary to compare the data from the property (VÚME) and operation (VÚPE) records with the VH8b-01 report in detail and analyse their mutual factual and methodological compliance. The next step will be negotiations with the representatives of the MZe on possibilities of data takeover, time accessibility of data, data validation or possible corrections, technical process of data takeover and their subsequent statistical processing. It is not excluded that on the part of the MZe, an adjustment of the reporting application will be necessary, which would ensure at least basic logical checks.

5.6 Changes in data collection and processing due to the transition of standard corporate reporting to the IFRS

In 2024, work on the gradual implementation of the upcoming new accounting act (NZoÚ) into statistical reporting will begin. Within the priority task, we plan to analyse the possibility of creating a separate version/mutation of the P 5-01 Annual Report of Economic Entities in Selected Production Industries and the P 6-04 Quarterly Report of Financial Indicators for Entities Keeping Accounting Records according to the IFRS. Based on the analysis results, a group of financial indicators will be selected, which will be transferred to the IFRS logic, and then the clarity, or applicability to other relevant indicators will be verified in cooperation with selected respondents. At the next project stages, depending on when the NZoÚ enters into force, we expect the changeover of all relevant indicators into the IFRS methodology and reflecting the resulting changes in relevant parts of the SIS and SMS.

6. TO MODERNISE THE DEMOGRAPHIC AND SOCIAL STATISTICS SYSTEM

Link to the CZSO's strategic objective

1. To improve the relevance and accessibility of official statistics to users.
2. To reduce the administrative burden on respondents.
3. To increase the prestige and respect of the CZSO.
4. To modernise the operation of the CZSO.

Responsible person

Demography and Social Statistics Section

Co-operating responsible persons

Regional Offices of the CZSO (field surveys units, units for processing relevant statistics of Regional Offices of the CZSO in Prague and in Ostrava), General Methodology Section (S3), IT Section (S9), Legislation and International Cooperation Department (O14), Security and Crisis Management Department (O12).

External co-operating responsible persons: workplace of the state statistical service for the Information System on Average Earnings (ISPV) of the Ministry of Labour and Social Affairs.

Description of the Priority Task

The priority task consists of three sub-thematic blocks focusing on demographic statistics, household surveys and structural wage statistics.

6.1 Use of administrative data sources for demographic and census statistics

Continuing the long-term task of transforming demographic and census statistics to use administrative data sources and gradually dampening data collection through OBYV reporting. The priority task for 2024 will be focused on the transition to the processing of demographic events (deaths and marriages and newly also registered partnerships) based on notifications of the basic Population Register (ROB) and the subsequent processing of administrative data from the Population Registration Information System (AISEO, citizens of the Czech Republic) and the Foreigners Information System (AICS/CIS, foreign nationals). In parallel, the preparation for processing of further demographic events from the ROB/AISEO/AISC system (birth, moving, divorces) will also be done, together with evaluating possibilities for further reduction of OBYV reports and their replacement by direct processing of data from administrative data sources.

Other planned activities include the integration of other administrative sources to expand outputs by socio-economic characteristics (namely the processing of administrative data on education) and (according to the progress of the given department project) preparation for the integration of the new administrative source from the Uniform Monthly Report of Employers (JMZH) with the basic demographic statistics data protocol.

One of the outputs of the priority task for 2023 was the decision to cancel the report on the death of a citizen of the Czech Republic and to cancel the report on the marriage (of both) of the Czech Republic citizens (i.e. if both spouses are Czech citizens). The first step in 2024 will be to put this decision into practice. This includes, in particular, the processing of data from the Population Register and its agenda systems in the Census Information System (CENZIS) and creating records replacing the cancelled reports. These records will need to be incorporated into the current procedure of demographic events processing (connection with the events of foreigners, which will be processed in a „traditional“ way, linking the death with the “Death certificate (Report on examination of the deceased person)”, unification of territorial identification in all partial sources, etc.). The result will be the unified output files of microdata representing individual events. An integral part of this task will be to evaluate the impact of this substantial change on the total numbers and also on the micro-level of records of individual persons. Within the next stage in 2024, the aim will be to enrich the records of events by information on the education of the deceased and the engaged couple.

Subsequently, analogous procedures will be prepared in the CENZIS for the processing of further monitored demographic events (internal and external migration, births, divorces) and based on results thereof, the possibility of further reduction of reports or the possibility of reduction of the data received from ISEO on the migration of citizens of the Czech Republic (expected from 2025) will be evaluated. The partial sub-goal in the technological solution area is also the direct implementation of the connection to the RÚIAN in the CENZIS and the solution of acquisition of selected demographic data history.

Within the priority task for 2024, the transfer of data from the Ministry of Education, Youth, and Sports (MEYS) to the CENZIS and their processing will be launched. The process for regular annual updating of the basic data protocol by the education levels coming from the 2021 Census will be set up. The processing of data from the Central Register of Health Insurance (policy holders) for the application of the “signs of life” (SoL) method will start to meet conditions of habitual residence in the Czech Republic. Following the department project progress, the preparation of the CENZIS for future data collection from the newly emerging JMZH will be solved on an ongoing basis. These activities will be followed up (with an overlap until 2025) by the development of the long-term concept of SoL analysis. The starting point will be the access to the SoL applied in the 2021 Census, which will be modified to meet the needs of the annual population statistics and population change statistics.

Active participation in the discussion about the European Statistics on Population and Housing (ESOPH) Regulation in the Council Working Group (PS) and active participation in the working groups of directors to prepare the implementation and implementing regulations of the new European ESOPH Regulation will continue on the international level.

6.2 Innovation in data collection and processing for household surveys

Data collection for household surveys is currently ensured by the interviewer network at Regional Offices of the CZSO (KS), in the form of interviewing using a paper questionnaire (PAPI), computer assisted personal interviewing (CAPI, as of 2023 via tablets), and computer assisted telephone interviewing (CATI). For CAPI, electronic questionnaires created in the questionnaire designer software environment called Survey Solutions have been used since 2023. In addition to these electronic questionnaires, a completely new service system was created in Survey Solutions in the period 2021-2022, which allows the KS persons responsible for household surveys to redistribute samples to individual interviewers and safely transfer data from the field to the headquarters for checks and processing in the OUDot application. However, some households also request an electronic online questionnaire for self-completion, mainly due to the time-consuming interview with the interviewer prolonged by extensive modules of some surveys or due to the time inappropriate to the respondent for the interview with the interviewer.

Therefore, the priority tasks in this area for 2024 are to improve the CAPI questionnaires, including the service system, according to the relevant requirements of the KS to improve the work of interviewers in the field and to simplify the activities of persons responsible for household surveys. Furthermore, to complete and test the online CAWI questionnaires that interviewers will be able to offer in households as an alternative data collection method. And also, to complete the development of the service system for computer assisted web interviewing (CAWI, in the same Survey Solutions software environment as for CAPI) for the secure transmission, according to legislative requirements, of such data obtained from households to the CZSO's headquarters for checks and processing in the OUDot application. The deadline for the completion and testing of CAWI is December 2024 and the CAWI should be put into operation since 2025 for selected household surveys: Survey on Income and Living Conditions (SILC) and Sample Survey on ICT Usage in Households and by Individuals (VŠIT) modules.

6.3 To modernise structural wage statistics

In connection with the preparation of a new administrative data source of the Ministry of Labour and Social Affairs (MPSV) and the planned subsequent cancellation of the survey on average earnings data for the MPSV wage sphere, it will be necessary to address the provision of data for structural wage statistics and their processing in the CZSO's environment. At the same time, it is necessary to ensure the implementation of the survey of aggregate data on the company, which was part of the ISPV MPSV V 1-04 Quarterly Survey on Average Earnings, into the CZSO's survey Práce 2-04 Quarterly report on Labour, to ensure compliance with EU legislation in the field of labour and wages and to optimise the administrative burden on respondents. At the same time, the connection with other statistical surveys in the field of labour and wages is strengthened.

Structural wage statistics is drawn from the department sources (MPSV, Ministry of Finance – MF). Until 2023, data from these sources linked information on enterprises with data on their individual employees. Since 2024, the MPSV's surveys will not include data on enterprises and thus they will be drawn from the CZSO's surveys. Data from all these sources are incorporated into the ISPV (Information System on Average Earnings up to 2023, Information and Statistics on Average Earnings from 2024), for which the MPSV is responsible, and which is ensured by the supplier. From this system, the CZSO obtains results already in the completed form within the framework of an inter-departmental agreement with the MPSV. If the CZSO needs other non-standard outputs, it must order them from the supplier of this system for a fee. Since 2024, the CZSO should have available the resulting data from the ISPV and should therefore be able to process the partial outputs independently without depending on the supplier. The ISPV agenda is contractually secured by the MPSV for the period up to the 2027 reference year.

At the same time, the MPSV is preparing the introduction of JMHZ, a new administrative data source, which will contain data on individual employees and the course of their employment including information on their wages. After the JMHZ is put into operation and the corresponding data quality and coherence is achieved, it is assumed that data for structural wage statistics will be obtained from the JMHZ and that the data collection via the ISPV MPSV V 1-02 Half-yearly Survey on Average Earnings (ISPV for the wage sphere) will be cancelled. At the same time, after putting the system into operation and verifying the data quality and coherence, a reduction of data obtained through the statistical surveys of the CZSO "ÚNP 4-01" ("Full Labour Costs 4-01") and "Práce 2-04" ("Labour 2-04" statistical report/questionnaire) is also anticipated.

In parallel, it is necessary to address the use of the administrative data source of the MF for the salary sphere (IS PLAT) depending on the final form of the JMHZ and the methodology of partial outputs processing over ISPV data in the CZSO environment.

The modernisation of the structural wage statistics will be solved in two steps in 2024. The first step will be to remove duplications in the surveys by harmonising the samples of "Práce 2-04" and ISPV MPSV V 1-02 Half-yearly Survey on Average Earnings. At the same time, it will be necessary to set up a system of communication with the ISPV supplier in the area of transfer of the wage sphere sample for individual ISPV waves, mutual data transfer during the survey, setting up the system of validation and corrections of collected data, transmission of methodological procedures, and resulting data sets to the CZSO by the supplier.

The second step is related to the preparation of the JMHZ and subsequent processing of data from this source in the CZSO's environment. In connection with the planned implementation of the new administrative data source MPSV JMHZ and with the subsequent planned cancellation of the Half-yearly Survey on the Average Earnings of the MPSV (ISPV MPSV V1-02), all the steps to ensure structural wage statistics must be resolved in the CZSO's environment. A representative of the CZSO will actively participate in outputs of the MPSV's working groups regarding the JMHZ, in particular by raising comments and making suggestions on the form of the data sentence and the JMHZ methodologies, in order to be able to cover all necessary data of the structural wage statistics by JMHZ data. At the same time, the implementation of JMHZ data into the CENZIS AZD environment will be carried out in 2024. All deadlines of the CZSO's activities related to the JMHZ depend on the deadlines of this AZD preparation by the MPSV.

The above activities will also include the integration of survey data collection from enterprises into functional blocks created under the SIS 5.0 project, in particular the SIS_VSTUP modules. The prerequisite is the necessary metadata description of the individual monitored variables, their control links, and other attributes and possible definition of additional business requirements to the above-mentioned modules. A description of collected data structure and of basic controls will also be part of the portal for developers of the third-party systems concerned, which will also be one of the outputs of the SIS 5.0 project.

The full transition to JMHZ data for use in structural wage statistics and other CZSO's statistics (e.g. census, demography) is assumed after sufficient verification of the JMHZ data quality and coherence, or during the ISPV and JMHZ concurrent test run. If both surveys would not run concurrently, it will be necessary to propose a crisis solution for data collection and processing in the CZSO's environment.

7. TO EXPAND THE RANGE OF DATA IN NEW DISSEMINATION TOOLS

Link to the CZSO's strategic objective

1. To improve the relevance and accessibility of official statistics to users.
4. To modernise the operation of the CZSO.

Responsible person

Information Services Department

Co-operating responsible persons

General Methodology and Registers Section (S3), Macroeconomic Statistics Section (S4), Business Statistics Section (S5), Demography and Social Statistics Section (S6).

Description of the Priority Task

The aim is to provide digital services to users within the self-service portal and to expand the ways and formats of statistical information provided.

7.1 To complete the dissemination tools

To launch new applications intended for external users – a portal for dissemination of statistical results, including a web application for user-defined outputs (DataStat), a web presentation of the information section and an editorial system for presentation of CZSO's statistical information.

7.2 To acquire and convert data for presentation in new dissemination tools

In connection with the launch of new applications intended for external users, it is necessary to ensure sufficient offer of data that will be made available to the public through these applications. It will be an extension of the offer in statistical domains, which are already partially covered by the new tools, and also the supply of domains not yet covered.

7.3. To extend the dissemination support tools (DIS project under the SIS 5.0 Programme)

Replacement of applications that support the provision of CZSO's information services (both at the headquarters and at the regional offices). This includes, for example, a partial modification of the Catalogue of Products application, support of economic dissemination processes, fundamental transformation

of the user register and of the dissemination monitoring. These modifications will require partial changes in applications for administration and update of the CZSO's and the DataStat's websites. The modifications will be aimed, among other things, to ensure automatic publishing of statistical data in open formats including links to the National Open Data Catalogue (NKOD). It also provides remote access to data for scientific and research purposes (SafeCentre).

8. TO STANDARDISE THE IT WORK CULTURE

Link to the CZSO's strategic objective

3. To increase the prestige and respect of the CZSO.
4. To modernise the operation of the CZSO.

Responsible person

IT Section

Co-operating responsible persons

Cooperation of all CZSO's departments as required.

Description of the Priority Task

Building on the priority tasks of the past years, the priority task for 2024 will be a gradual transition to proven standards for IT area. It is not only about unifying processes and tools in the field of IT, but also about the way of working of all users of IT resources and services. In particular, emphasis will be placed on the areas described below.

8.1 Standardisation of IT processes

The content is to describe and gradually implement the usual processes in IT based on best practice (ITIL), taking into account the specifics of the CZSO's environment so that these processes are unified both within the IT Section of the CZSO and toward other departments of the CZSO and external entities. In the first phase, a catalogue of IT services including parameters of individual services (all according to agreement with the users of these services) will be created, it will be mapped into the HELPDESK tool, and a process of its regular updating will be implemented. Furthermore, the incident management will be put into practice. And also, the patch and release management will be implemented.

8.2 Setting of software (SW) management rules of the CZSO's environment

The content is the continuing set-up of rules and processes in the field of information systems and applications development, their descriptions and implementation into practice in order to describe the set-up of the JIRA environment, Confluence, GitLab to support processes within the delivery of individual mini-tenders within the framework of the SIS 5.0 project, and to set up a sample environment accordingly. It is a software support within the collection and specification of requirements, analysis, development, testing, implementation, and deployment of the supplied software. It is planned to create a methodological description of GitLab-Jira integration and a way of tagging, commenting, and code review, which will be implemented and followed consistently thereafter. It is also expected to create a methodology of documentation management during the product life cycle, especially the structure of analytical documentation and architecture, documentation of release of versions and their contents, and documentation of deployment and release into the development, testing, and production environment.

8.3 Optimisation of office and user data

The content is to optimise the use of the IT infrastructure in relation to internal storage and the purchased Microsoft 365 service while respecting the security of data storage by category. Within the Phase I, users' home directories will migrate to OneDrive environment. Within the Phase II, the shared folders will migrate from the Novell environment to the internal MS environment. Within the Phase III, a methodology will be prepared for the migration of files from user's workstations (data on workstations are not backed up by central IT tools).

8.4 Optimisation of telephony

To optimise the use of purchased Microsoft Teams services for in-house communication to reduce the number of fixed telephone lines and costs of telephone switchboards operation and, if necessary, to purchase additional mobile phones. The partial goal is also to formalise the use of own phones for corporate purposes. Within the task, information will be collected, managed calls with key users and an analysis of the use of lines will be performed. In addition, a decision will be made on the BYOD in-house directive ("bring your own device"). A new contract for the provision of telephone services will also be prepared.

9. TO MAKE THE SUPPORT PROCESSES AND INTERNAL COMMUNICATION MORE EFFICIENT

Link to the CZSO's strategic objective

4. To modernise the operation of the CZSO.
5. To become an employer that is recommended.

Responsible person

Office of the President of the CZSO

Co-operating responsible persons

Security and Crisis Management Department (O12), Human Resources and Wages Department (O13), Legislation and International Cooperation Department (O14), Department of Communication (O15), Financial and Administration Section (S2), Project Management Unit (O2001), Financing and Budget Department (O21), Public Contracts and Legal Services Department (O23).

Description of the Priority Task

In order to modernise and improve the working environment, reduce the internal administrative burden on employees, and create more space for the performance of value-added activities in terms of the CZSO's scope, the support processes are gradually being electronised and the internal communication of the CZSO is being developed.

9.1 Electronisation of contracting, procurement, and life cycle of public procurement

The aim is to complete the process of electronisation of public procurement and conclusion of all contracts in the CZSO, including the electronisation of other processes. This will be followed by the "e-Referátník+" project focused on the electronisation of the public procurement life cycle (application for the public procurement and the implementation of contracts, approval of procurement documents (ZD), import into the economic information system EIS-JASU, publication of ZD in the National Electronic Instrument (NEN), conclusion of a contract with the winning bidder, publication of the contract in the Register of Contracts). As a result, the effectiveness of public purchasing of services and commodities for the CZSO is expected to increase by involving modern innovative methods of public procurement and thus more economical acquisition of assets and reduction of expenditure.

9.2 Completion of the business trips electronisation

The aim is to complete a pilot operation and testing of the application for the business trips abroad in order to verify the approval process and the correctness of the trip billing calculation and the foreign exchange rates used. Subsequently, a new in-house directive will be prepared and issued on procedures, rules, and conditions for organising business trips and the application will be launched into routine operation.

9.3 Electronisation of the project lifecycle management

Following the new in-house directive on project management, the aim is to start at the CZSO the preparation for electronisation of the project lifecycle management process through the transition from electronic forms into the application environment using the existing Microsoft Power Platform 365 infrastructure and Microsoft Project Portfolio OnLine, including the automation of data collection regarding the CZSO's project activities. At the same time, the possibility of financing the relevant public contract will be further addressed throughout the year.

9.4 Proposal for the new CZSO's Intranet concept and project

The aim is to develop the concept of a new Intranet and to create a proposal for the respective implementation project. The work will focus on the analysis of users' needs and on requirements of security and protection of personal data and information. Furthermore, objectives will be set, and a concept will be proposed with an overview of the necessary functionalities, components, structure, contents, form, rights for users, and obligations for the administrator. The concept will create the basis for choosing the most suitable technology platform (a solution based on SharePoint OnLine is being considered) and for the proposal of an internal implementation project.

9.5 Finalisation of the CZSO's competence model

The aim is to introduce assessment of the fulfilment of competencies as part of regular service and work evaluation of employees in order to determine the requirements for inclusion into specific educational activities to strengthen, maintain, or achieve professional competencies.

9.6 Extension of the CZSO's procedural model

The aim is to develop the general procedural model of the CZSO, including its graphical representation. It will include all the main, control, and support processes integrated into the procedural domains in an aggregate form. The model will be followed by in-house regulations and forms, primary sources, and procedural roles ensuring the performance of activities within processes.

9.7 Proposal for the CZSO's ABC model of costs by activity

The aim is to create a methodology according to which costs/expenses of statistics can be reported, based on the assignment from the last peer review. At the same time, a pilot estimate of the costs/expenses of statistics will be prepared according to this methodology in 2024.

9.8 Automation in the area of asset records

The aim is to make partial electronisation of the processes that are still implemented in an analogue form, based on the analysis of the possibility of electronisation in the following areas: asset classification, asset disposal, asset transfers, or extension of a depreciation period.

9.9 Forms for the personnel agenda

The aim is to develop the concept of electronic circulation of personal forms, to carry out analysis and to identify groups of forms suitable for electronic circulation, to ensure the transfer of data from the OKbase personnel information system to the new form application in MS Teams, to set up the approval process for groups of forms and to prepare the technical part of the tender documentation for the new application.

9.10 Preparation of the project for the CZSO's records service renewal

The aim will be to check all metadata, information, and documents entered in the past to individual documents kept in the Electronic Records Service (eSSL) system in order to allow proper shredding of all documents with the elapsed shredding period and to add missing metadata to active documents. In the case of missing metadata and records, the requirements to supplement them will be submitted to individual users of the records service. This step will be gradually consulted with individual user groups across the CZSO. The entire effort is aimed at the functionality of the eSSL records service so that it is prepared for the possible need to exchange the supplier and thus the entire records service, if there was no attestation at the current supplier of the current eSSL information system. For active and newly acquired records and documents in eSSL and also outside of this IS, processes and procedures will be set up so that all important documents of the CZSO are properly and duly recorded and that the eSSL records service system performs such tasks, in which the digital continuity of all documents in their life cycle will be procedurally ensured.

9.11 Replacement of library software

The aim is to acquire (or the preparation to acquire) a new library system for the Central Statistical Library. After the deployment of a new library system, the migration of existing library collection data into a new format will be carried out, which will allow the connection of the CZSO's library system with other systems, e.g. systems of professional libraries, such as the National or Technical Library.

9.12 Reservations of meeting rooms in Outlook

The aim is to complete the mapping of available meeting rooms at the CZSO in Prague including their parameters and equipment, to establish and maintain a list of rooms on the mail server, to set up rules for reservation and approvals, if necessary, and to put the entire system into operation in MS Outlook.

10. TO COMPLETE THE MODERNISATION OF THE CZSO'S BUILDINGS

Link to the CZSO's strategic objective

4. To modernise the operation of the CZSO.
5. To become an employer that is recommended.

Responsible person

Financial and Administration Section

Description of the Priority Task

10.1 To ensure the sustainability of energy-saving projects for the CZSO's buildings

Continuous system tuning of all technologies during the whole annual cycle, or modification of software functionalities in the buildings, where the project was carried out by the Energy Performance Contracting (EPC) method, i.e. buildings in the city of Prague-Skalka and Brno, including continuous monitoring of energy efficiency. In cooperation with an energy specialist to prepare the first final evaluation of the implemented project and the subsequent annual evaluation of the project.

10.2 Flood-control measures in the CZSO's building in Prague

To complete the permit and carrying-out (including subsequent proprietary settlement) of entrances modification including drainage on the western side of the CZSO's building near the Pod Strání Street (flood-control measures).