3.5 Applied research results with an existing or prospective economic impact on society

We consider the following results to be the five most important ones on FIS for the period 2014 - 2018:

- **Open data and PSI in the Czech Republic European Public Sector Information Platform**
  A survey defining the state of open data publishing within public administration in the Czech Republic.

- **Linked Open Data Publishing Methodology**
  The methodology is intended for the publication of numerical data using the principles of Linked Data and the RDF Data Cube Vocabulary. The methodology was used in state administration, especially at the Ministry of Finance of the Czech Republic. Subsequently, it became one of the basic documents for the development of standards for the publication of open data published by the Ministry of the Interior.

- **Thematic Map with Interpretation of Regional Differences in Social Research**
  The thematic map is published free of charge allowing to analyse and visualise, for example, the unemployment rate in districts (the Czech Statistical Office) in comparison with the percentage of early retirement (Czech Social Security Administration) in the population over a period, the ratio of the number of persons receiving an old-age pension in a district (Czech Social Security Administration), and the number of places in elderly care homes (the Czech Statistical Office) These indicators will enable better analysis and planning of actions in the area of social care development in the Czech Republic.

- **Influence of the Institution of Minimum Wage on Socio-Economic Development of the Czech Republic**
  The aim of the methodology is to support the decision-making process in terms of increasing the minimum wage based on an objective assessment of relevant indicators, including current international experience. It is based on an analysis of the number and structure of employees near the minimum wage, categorised by both employee and employer characteristics and assessing the impact of minimum wage changes based on structural earnings statistics.

- **Limits of Data from Mobile Sites in Statistical Surveys of Czech Statistical Office**
  The methodology describes how the information on residents and commuters (in and out) obtained from location and operational records of mobile networks should be processed and checked. Granularity and extent of information, which are being obtained from signalling data generated by mobile operators allows to go into much more detail than provided by the existing available sources of the Czech Statistical Office, on the other hand the methodology demonstrates how the quality of newly acquired information can be compared with robust data in the Population and Housing Census. In application cases where the input information on population mobility in the territory, the use of the methodology will reduce the deficit of the operative decision-making process consisting in unavailability, out-of-date, or unreasonable cost of obtaining data on population movement.