

## **Micro data integration for Labour Market Account**

Senior Advisor Pernille Stender, [psd@dst.dk](mailto:psd@dst.dk) and Senior Advisor Thomas Thorsen, [tst@dst.dk](mailto:tst@dst.dk). Statistics Denmark, Copenhagen, Denmark

### **Abstract**

During the last 15 years labour market statistics produced by Statistics Denmark have increasingly become more integrated. For example, the Statistics on People Receiving Public Benefits have been joined into an integrated statistical system. In this way, the quality of the statistics has been enhanced and the published figures have become logically consistent. However, the statistical users request a more cohesive statistical system covering the entire population's attachment to the labour market. The system should include volume information and provide the possibility of analyzing longitudinal labour market data.

Against this background, in the beginning of 2012 Statistics Denmark initiated work on developing an integrated statistical system for analyzing the entire population's attachment to the labour market. The statistical system is called Labour Market Account (LMA). It is intended to publish statistics from the LMA in 2014. In addition to being an important source of the future labour market statistics, the LMA must also be a direct or indirect input source to a number of other statistics within social, business and economic statistics.

This presentation gives a description of the new statistical system and of the user requirements with regard to the system. Data from the various source registers frequently contain non-permissible overlaps or inconsistent start and end dates concerning the individual states. Subsequently, the presentation describes the core of the new statistical system which is the harmonization of data from a great variety of input sources and the longitudinal data processing conducted by the rule driven engine developed for this purpose.

**Key words:** integrated statistics, data harmonization, data linkage, micro data.