

**26th Meeting of the Wiesbaden Group on Business Registers
- Neuchâtel, 24 – 27 September 2018**

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Session 5 - New data sources, especially on enterprise groups

Swiss Federal Statistical Office - Data Innovation Strategy

Abstract

The development of big data and analytics, in particular data science, are set to be a significant disruptive innovation in the production of official statistics offering a range of opportunities, challenges and risks to the work of national and regional statistical institutions.

In November 2017, the Federal Statistical Office (FSO) published its "Data Innovation Strategy". This represents a first response by the FSO to the challenges brought about by the digital revolution. With this strategy, the FSO positions the importance of complementary analysis methods to increase and/or complete statistical production.

We will describe the content of the strategy in particular the role that we attributed to administrative data and registers, provide a synoptic overview of the roadmap to implement the strategy, but also the new competencies and skills that we need to acquire.

Finally, we will present the five pilot projects which are currently trying to implement these complementary analytics methods (e.g., predictive analytics using approaches from advanced statistics, data science and/or machine learning) to existing (or traditional) and/or new (or non-traditional) data sources

Keywords: