

Using Administrative Data for Official Statistics

*Labour Market Statistics: Harmonization and
Analysis of Administrative Data Sources*

*22-24 October 2019
Putrajaya- Malaysia*

Admin Data for Official Statistics

WHY?

- Response burden
- Difficultiers in direct data collection from respondents
- Cost (Time, money, etc.)
- Coverage limitations
- Technological developments
- Difficulties in measuring economy

Admin Data for Official Statistics

WHY?

- Numerical, volumetric , detail increase of data demands
- Official Statistics Programme 2017-2021 regarding "Use of Administrative Records in Production of Business Statistics“ instead of enterprise surveys

Admin Data for Official Statistics

Former Data Collection Methods

- Paper based surveys
- Computer based surveys
- On-line form via web with user ID and password
- Electronic data transfer systems (e-VT) from
 - payroll programmes,
 - personnel management programmes etc.)



Admin Data for Official Statistics

Redesigning Statistical Production

- Integrating admin data sources into the system
 - Social security institution
 - Revenue administration
 - Other relevant administration data
- Affected domains are
 - Business registers
 - Structural business statistics
 - Short term business statistics
 - National accounts

- Demographic and social statistics domains are in the process

Admin Data for Official Statistics

Pros and Cons of Administrative Data

- Pros
 - Having almost all of the observation units
 - High number of variables

- Cons
 - Without considering statistical purpose
 - ❖ High number of variables (data processing challenges)

Admin Data for Official Statistics

Redesigning Statistical Production

- Integrating admin data sources into the system
 - Social security institution
 - Revenue administration
 - Other relevant administration data
- Affected domains are
 - Business registers
 - Structural business statistics
 - Short term business statistics
 - National accounts

- Demographic and social statistics domains are in the process

Admin Data for Official Statistics

Challenges

- Data Storage
- Uncertainty
- New Employee Profile
- Lack of Metadata
- Organizational Culture

Admin Data for Official Statistics

Adaption to the Admin Data

- Learning new tools
 - New skills for staff, trainings for new software(s)
 - Collaborative work culture - intraunits
- Data processing changed
- DB performance and optimization
 - Table views
 - Index using
 - Partitioning

Admin Data for Official Statistics

Adaption to the Admin Data

- Standardization of verifying admin data
 - Institution-wide standards
 - Standardized data for all departments
- Business Registers (BR) integration
- Repetitive tasks
 - Automated procedures on software
 - Hard and time taking at the beginning
- Time for more analysis
 - Micro and macro

תודה
 Dankie Gracias
 Спасибо شكراً
 Köszönjük Merci Takk
 Grazie Dziękujemy Terima kasih
 Ďakujeme Vielen Dank Děkojame
 Kiitos Täname teid 谢谢
Thank You Tak
 感謝您 Teşekkür Ederiz
 Σας ευχαριστούμε 감사합니다
 Bedankt ඔබට
 Děkujeme vám
 ありがとうございます
 Tack