

## **Workshop on Scanner Data and Applications for Official Statistics**

Date : 29 April-1 May 2019

Venue : Kigali, Rwanda

This workshop provides an opportunity for statistical organisations to participate in discussion and training in the use of scanner (transaction) data for Consumer Price Indexes. The workshop will commence with an overview of scanner data and the ways in which it can be used in the production of a CPI. This will include presentations on different country practices and discussions among participants. The workshop will continue with a practical course on the use of scanner data. This will include presentations, practical demonstrations and hands-on tutorials focusing on index compilations and analysis. The workshop will conclude with a wrap-up including discussion about moving forward, priorities for participants and ongoing training opportunities.

Main presenters: Michael Smedes, Thomas Hjorth Jacobsen, Clément Yélou, Jason Patchey Naicker

## Agenda

### Day 1 Scanner Data and Official Statistics

- 11.15                    **Welcome**  
Facilitator: Michael  
Formal welcome. Importance of big data for measuring Official Statistics
- 11.30                    **Introduction**  
Facilitator: Michael  
Overview of workshop; introduction of presenters
- 11.45   Session 1.1    **Overview of Scanner Data – Data types, sources and country practices**  
Presenter: Thomas  
Introduction to key aspects of scanner data: data sources, international experiences and general applications
- 12.30   Lunch
- 13.30   Session 1.2    **Scanner Data Task Team**  
Presenter: Michael  
Overview of the work of the task team and of resources available on the Global Platform
- 14:15   Session 1.3    **Scanner Data Methods**  
Presenter: Clément  
Presentation on index methods, characteristics of scanner data, multilateral index methods, extension methods, monitoring methods
- 15.15   Break
- 15.45   Session 1.4    **Scanner Data Methods Continued**  
Presenter: Clément  
Presentation on index methods, characteristics of scanner data, multilateral index methods, extension methods, monitoring methods
- 17.00                    Close

## Day 2 Scanner Data and Official Statistics

9.00 Session 2.1 **Denmark Use of Scanner Data**  
Presenter: Thomas  
Description of implementation of scanner data (practical case study)

9.45 Session 2.2 **Canadian Use of Scanner Data**  
Presenter: Clément  
Description of implementation of scanner data (practical case study)

### 10.30 Break

11.00 Session 2.3 **Practical session using Global Platform**  
Presenter: Michael  
Participants use Global Platform to complete a range of set exercises using scanner data

### 12.30 Lunch

13.30 Session 2.4 **Overview of Data Sources**  
Presenter: Michael  
Potential sources of data overview, including issues of access and institutional settings

Session 2.5 **Danish Experience with Webscraping**  
Presenter:  
Potential sources of data cont: webscraping in the Danish context

### 14.45 Break

15.15 Session 2.6 **Nielsen Data And Services**  
Presenter: Jason  
Overview of Nielsen Data and Services

17.00 Close

## Day 3 Scanner Data and Official Statistics

### 9.00 Session 3.1 **Scanner Data and Weighting**

Presenter: Michael

Using Scanner Data expenditure data as a source of weights in economic statistics

### Session 3.2 **Alternative sources of data in Canada**

Presenter: Clément

Canadian experience with admin and other data sources

## 10.30 Break

### 11:00 Session 3.2 **Roundtable Discussion: Where to from here? Opportunities and challenges of using scanner data in practice**

Facilitator: Michael Smedes

Facilitated discussion with workshop participants

### 11.45 Session 3.3 **Final comments and Feedback on Workshop**

Facilitator: Michael Smedes

### 12.00 **Close of Workshop**