



# **Guidelines on Statistical Business Registers**

**United Nations Statistics Division** 





- A. UN Family and Statistical Business Registers
- B. Guidelines on Statistical Business Registers
- C. Coverage of SBR
- D. Roles of SBR
- E. Trade by Enterprise Characteristics (TEC)
- F. Research Agenda



# **UN Family and SBRs**



- **UN Secretariat** (incl. UNCTAD, UNODC, UN Habitat)
  - > UN New York
    - UN Statistical Commission → international standards
    - o Wiesbaden group on Business Registers
  - > UNECE Europe
    - Conference of European Statisticians
    - o UNECE Guidelines on Statistical Business Registers
  - > UNESCWA Western Asia (and Northern Africa)
    - Statistics Committee of ESCWA
  - > UNECA Africa
    - Statistical Commission of Africa
    - o AfDB Guidelines on Business Registers
  - > UNECLAC Latin America and Caribbean
    - Statistical Conference of the Americas
    - o Improvement program of Business Registers (2010-2013)
  - > UNESCAP Asia and the Pacific
    - Statistics Committee of ESCAP



# **UN Family and SBRs**



- **UN System** (incl. ILO, UNDP, UNICEF, UNFPA, UNHCR)
  - > UN Secretariat
    - UN Statistical Commission → international standards
    - o Wiesbaden group on Business Registers
  - VNIDO Vienna
    - Industry statistics
    - Business Registers → Focus on manufacturing
  - > FAO Rome
    - Agriculture, forestry and fishery statistics
    - O Business Registers → Focus on agriculture
  - > UNESCO Montreal
    - o Education, Cultural and Science statistics
    - Business Registers → Focus on schools, universities, research, museum
  - > WHO Geneva
    - Health statistics
    - Business Registers → Focus on hospitals, pharmacies, medical research



# **UN Family and SBRs**

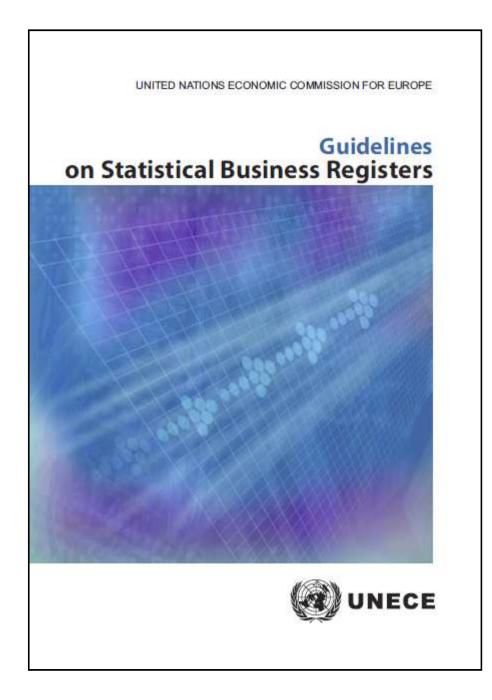


- **CCSA** Committee for the Coordination of Statistical Activities
  - > UN System
    - O UN Statistical Commission → international standards
    - o Wiesbaden group on Business Registers
  - > IMF Washington DC
    - o Balance of Payments and Financial statistics
    - Business Registers → Focus on financial institutions
  - > WTO Geneva
    - o International Trade Statistics
    - $\circ$  Business Registers  $\rightarrow$  Focus on businesses which trade
  - Eurostat Luxembourg
    - Statistical Office of the European Union
    - Business Registers → EU Guidelines
  - ECB Frankfurt
    - o European Central Bank
    - Business Registers → Focus on financial institutions





- UNSD promotes creation and maintenance of national Statistical Business Registers as a core element in the implementation of the 2008 SNA and integrated economic statistics
- UNSD actively participates in various for related to business register, such as Wiesbaden group or UNECE Task Force on SBR
- UNSD contributes to initiatives on SBRs in all regions, including
  - Africa AfDB Guidelines on Business Registers
  - Europe CES Guidelines on Statistical Business Registers
  - Western Asia and Asia/Pacific SBR development is part of the 2008 SNA implementation program and improvement of economic statistics in general
- UNSD supports improvement of business registers at country level (i.e., Costa Rica, Malaysia and Jordan)



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- Chp 8 Survey frame methodology
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- Chp 11 Key considerations in establishing SBR
- Chp 12 Topics for further work and research
- Annexes A E: unit characteristics, unit classifications, SBR country examples, quality examples, additional concepts
- Glossary









# Target coverage of SBR

- In principle all units in the national economy that contribute to GDP
- Target for SBR coverage is the 2008 SNA production boundary (2008 SNA: 6.26)
  - Production activities of all institutional units that have economic production
  - Excludes household activities for production of services for own use, except services provided by owner-occupied dwellings and services produced by employed domestic staff
  - Include both market and non-market producers (Government units and NPISH)







## Non-observed economy (NOE)

- Economic units in the NOE may be informal or illegal
- Their production should be included in national accounts
- Difficult for SBR to maintain units in the NOE because they are not registered by administrative sources used to maintain the SBR
- Thus usually defined to be outside the scope of SBR
- Measurement of their production is via household surveys or other sources







### Informal sector

- Non-financial and financial corporations not registered
- Household incorporated enterprises selling some (ILO) or most or all (SNA) output
- Should be included if suitable administrative sources available

### Special cases

 The Guidelines gives more detailed recommendations on the treatment of government units, corporations, NPIs, self-employed persons, agricultural households/holdings, illegal activities and extraterritorial organisations







	Role	Goal
1	SBR Live Register	The gateway between (different) source(s) and the statistical units
2	SBR Backbone	Coordinate populations of statistical and administrative units in space & time through register snapshots and frozen frames
3	SBR Survey Frame	Provide set of administrative units valid for the reference period with all attributes to draw a sample
4	SBR Survey support	Control administrative burden and monitor survey response
5	SBR based statistics	Business demography statistics, business dynamics based on register snapshots, and integration with external trade register
6	SBR Information Source	Support market investigation performance
7	SBR International data exchange	Coherence in global statistics

### The 8 roles of the SBR

- 1. Live register
- 2. Register snapshot and frozen frame
- 3. Survey frame
- 4. Survey support
- 5. Production of statistics based directly on SBR
- 6. Information source
- 7. International data exchange
- 8. Modernisation of statistical production and services

**Roles of SBR** 







## 1. Live register

Register that is continuously updated with new information from various sources, resulting in

- Creating new units, deactivating existing units
- Updating unit characteristics

Provides basis for generating snapshots, frozen frames, and survey frames









### 3. Survey frame

- Set of statistical units in scope for the survey (subset of the frozen frame)
- Characteristics of the units needed for stratification, sampling and contact
- 4. Survey support
- Data collection
  - · defining observation units and reporting units
  - coordination of surveys
- Survey registration
  - Recording reporting unit's preferred response mode
- Survey control
  - Monitoring and measuring response burden









# support government programs

Information about particular sectors or activities to

### Confidentiality and national legislation should be adhered to!



### 6. SBR as information source

### Provision of micro data as open data

- List of enterprises for government agencies or private ٠ companies
- Geographical location information
- Ownership and control information ٠



**Roles of SBR** 





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# 8. Modernisation of statistical production and services by

**Roles of SBR** 

- Integration of statistical production
- Coordinating and linking units from different sources
- Making better use of administrative registers
- Combining data from traditional sources (surveys) with data from administrative registers
- Providing data warehouse offering integrated data











- Statistical units and profiling
- •SBR as the backbone of economic statistics
- •Use of administrative sources
- •Use of new data sources
- International trade and economic development
- Development of new statistics
- Methodological developments
- International comparability







# Integration of Economic Statistics and

# Linking of Business Register to Trade and Investment Statistics

# The SBR & an integrated economic statistics programme

The guidelines on Integrated Economic Statistics (IES) were published in 2012. The advantages of IES are:

- Use of harmonized terminology, definitions, concepts, & classifications
- **Consistency** in measuring economic activity across sectors and regions and global consistency of key economic indicators
- Greater accuracy by reconciling discrepancies among data sources
- Use SBRs to provide **central sampling frame** for all business surveys
- Standardize surveys, including survey design and sample frame
- Link and integrate data across various statistical domains, including linking the information about enterprises from the SBR to other data sources
- **Reduction of collection** <u>*and*</u> reporting burden</u> by using the same information for different purposes

## How an SBR can be used to link data from different sources

- By linking the SBR to economic statistics and other data sources (e.g., administrative data or survey responses), new information can be compiled that would not otherwise exist.
- One effective and proven application is linking the SBR to trade statistics to compile trade by enterprise characteristics (TEC), which can be compiled for <u>merchandise trade</u>, <u>trade in</u> <u>services</u>, & <u>foreign direct investment</u>.
- TEC data aim to describe trade flows from the view point of enterprises:
  - Impact of international trade on employment, growth and income (by kind of industry, size of enterprise and other characteristics)
  - Effectiveness of trade policies (e.g., export-promotion, effects on 2-way traders and foreign affiliates)





		All Business Register		Exporting enterprise		
	Main activity	No. of firms	No. of employees	No. of firms	No. of employe es	Value of exports (US\$)
A	Agriculture, forestry and fishing	3,791	87,982	294	40,283	216,690,448
01	Crop and animal production	3,608	85,069	279	38,698	210,146,426
02	Forestry and logging	132	1,567	8	688	5,289,339
C	Manufacturing	4,257	144,706	598	106,429	2,554,099,671
10	Manufacture of food products	1,078	48,328	137	34,661	447,071,957
14	Manufacture of wearing apparel	559	7,949	25	5,022	42,878,988
25	Manufacture of fabricated metal products	441	6,043	39	2,497	42,358,757
26	Manufacture of computer, electronics	40	6,531	21	6,369	787,049,178
27	Manufacture of electrical equipment	37	4,477	20	4,204	143,662,034
	Wholesale and retail trade;					
G+H	Transport, warehousing, and	18,668	201,935	739	55,190	387,741,850
46	support activities Wholesale trade, except motor vehicles	2,471	58,966	591	30,086	349,309,112
47	Retail trade, except of motor vehicles	11,663	88,411	60	17,370	25,826,992
	Other activities	19,277	318,907	186	33,792	63,137,508
	Hotel and Restaurants	4,892				
	Professional and scientific services	2,472				
	Social and Health services	1,871				
	Unkown activity	2,988	15,771	71	864	24,375,886
	Non-matches					131,689,763
	TOTAL	48,981	769,301	1,894	236,794	3,378,826,643



# Thank you