

### INCORPORATING INFORMAL SECTOR INTO NATIONAL ACCOUNTS IN AFRICA

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at

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## INCORPORATING THE INFORMAL SECTOR INTO NATIONAL ACCOUNTS: PRACTICAL GUIDANCE FOR COVERING INFORMAL SECTOR IN THE REGION

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Regional Workshop on National Accounts and the Development of Economic Statistics Infrastructure within SDGs Framework

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#### Outline of the Presentation

- The role of informal sector in the African economies
- Data collection (types of surveys)
- Data processing (use of data from surveys and censuses)
- Data compilation (measuring informal sector)
- Country case studies: Experience and practice of Africa
- Regional-wide efforts: harmonized questionnaire & exchange and of methodology
- Summary and conclusions

#### Share of Informal Employment (%)

Regions/Countries/Years	1990-94	1995-99	2000-04	2005-10
Northern Africa		47.5	47.3	53.0
Algeria		42.7	41.3	45.6
Morocco		44.8	67.1	78.5
Tunisia		47.1	35.0	36.8
Egypt		55.2	45.9	51.2
The Rest of Africa	76.0	78.1		70.0
Benin	92.9			96.3
Burkina Faso	77.0		78.4	90.5
Cameroon				84.0
Chad	74.2	95.2		
Cote d'Ivoire				69.7
Dem. Rep. Congo (ex-Zaire)				77.0
Ghana				65.3
Guinea	71.9	86.7		
Kenya	70.1	71.6		76.8

#### Share of Informal Employment (%) (Cont'd)

Regions/Countries/Years	1990-94	1995-99	2000-04	2005-10
The Rest of Africa	76.0	78.1		70.0
Lesotho				70.7
Liberia				56.4
Madagascar				73.7
Mali	90.4	94.1	82.7	
Mauritania				
Mozambique	73.5			87.2
Namibia				43.8
Niger				
Nigeria		42.9		
Senegal				
South Africa			46.2	32.7
Tanzania			57.7	46.0
Uganda				73.5
Zambia	58.3			76.3
Zimbabwe			51.6	

### Share of Informal Sector Value Added

50.2%

29.2%

46.3%

25.2%

13.9%

in %

31.3%

26.2%

38.4%

24.0%

10.7%

Countries (years)	Informal sector	agriculture) in %	Informal sector GVA (excluding agriculture) in % of total GDP
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63.6%

36.2%

54.2%

29.2%

19.5%

Africa (except

region)

**Africa** 

India

Northern Africa

**Middle East North** 

Latin America

**Transition** 

countries

### Data Collection: Types of Surveys

Africa

			-	_	
Types of Surveys	Northern Africa	Western Africa			Southern Africa
				I	

Mixed surveys (1-2 or 1-2-3)

**Establishment censuses and** 

Mixed surveys (others)

**Combined surveys** 

LSMS type surveys

**Labor force surveys** 

**Total number of countries** 

surveys

# UN-ECA's Operational Guidebook on Accounting for Informal Sector in National Accounts

- Introduction (GDP exhaustiveness; Production boundary; Informal sector; Purpose, structure and target users of the guidebook)
- Accounting for informal economy in national accounts (Informal economy, informal sector and informal employment; Operational definitions and guidelines for identifying informal sector and informal employment; Measuring informal economy through direct surveys; Accounting for informal economy in national accounts)

# UN-ECA's Operational Guidebook on Accounting for Informal Sector in National Accounts (Cont'd)

- Non Observed Economy in GDP Estimates (Non-Observed Economy Problem Areas)
- Eurostat tabular approach for GDP exhaustiveness (Types of non-exhaustiveness; Identification and adjustment methods for types of nonexhaustiveness)
- Country Experiences (Burkina Faso, Cameroon, Ghana, Lesotho, Madagascar, Mozambique, Nigeria, Senegal, Rwanda, Burundi)

## Data Processing: Use of Data from Surveys and Censuses

- Observations of experience in Africa
  - Mixed survey approach: most popular in Africa (14 countries)
  - Establishment-based approach: second most popular; often taken with a census;
  - Combined survey approach: Household survey + establishment survey
  - Other approach

### Data Compilation: Measuring Informal Sector

- Direct survey approach vs. indirect approach
  - To use indirect approaches for the measurement of the informal sector regardless the existence of direct survey data or not
- Incorporating informal sector into national accounts
  - Mixed (household/establishment) and combined (household + establishment) are preferred method
  - Various surveys are used as data sources (Chart 1 in the document)
- SUTs and IOT
  - Major tools for the compilation of national accounts in that they ensure the consistency of the data obtained from various sources and various approaches
  - ERETES used by 22 countries (11 of 24 countries use it effectively).

Scheme of Labor Ir	npu	ıt N	/lat	rix	ar	nd	Da	ta	Sou	ırc	es	
Industries Sources	Agr	Mining	Manuf	Const	<b>Irade</b>	Hotels-rest	<b>Fransport</b>	Finance	Admin	Ser to HHs	Ser to ent	Finance

(1) - (2)(1) - (4)

Sources

Other

survey (D)

Traditional residual

**Better residual** 

Population Census (A) or

Labour force survey (B) or

Other household survey (C)

Other sources for formal employment: survey of

formal enterprises; social security registers;

**Establishment Census (or Economic Census)** 

Mixed or combined household/establishment

Informal employment by component

Scheme of Labo	r Input M	latrix and	Data So	ources
Industries				

Total employment by industries and by employment status (self-

Paid employment in full-time equivalent and formal employers (2)

Total employment in incorporated enterprises and in unincorporated

Informal employment = informal employment in informal enterprises +

informal employment in formal sector + informal employment in

unincorporated enterprises of production for own final use

employed/paid employees), in full-time equivalent (1)

Total employment (self-employed and paid employees) in unincorporated enterprises with less than 5 employees (3)

Total employment by industries and by employment status (1)

Employment in informal sector (household survey) (5)

**Employment in informal sector (enterprise survey) (6)** 

enterprises with 5 and more employees (4)

(1) - (4) = (6) + [(5-6)] + [(1-5) - (4)]

Scheme of Labor	Input I	Matrix	and	Data	Sourc	es
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## Country Case Studies: Experience and Practice in Africa

#### • 1-2-3 surveys

- DRC and Senegal

#### Household surveys

- Burundi (Living Cond of HH)
- Egypt (HH Inc & Exp)
- Ghana (Living Stand)
- Lesotho (HH Budget)
- Mozambique (HH Budget)
- Nigeria (Living Stand)
- Zimbabwe (HH Inc & Exp)

#### Labor input matrix

- Burkina Faso
- Cameroon
- Madagascar

#### Other approach

- Mauritius
- Seychelles
- South Africa

### Continental-wide Efforts: Harmonized Questionnaire and Exchange of Methodology

- Training workshops and seminars for capacity building.
- African Group on Informal Sector (AGIS) and African Group on National Accounts (AGNA) to bring countries together to work in this area.
- Compiling a guidebook to operationalize the international statistical standards and recommendations and to share of country practical experience.
- Designing harmonized questionnaires and related manual for the 1-2 survey on the continent.
- Expert Group meetings on the standardized questionnaires and on the methodologic operational guidebook.
- Regular progress reports and updates of the practice used by countries to the StatCom-Africa and CoDGs.

#### Criteria for Identifying Informal Sector

Criteria	Objective		Since
1. Legal organization:	Identification of unincorporated businesses	-	15th ICLS
unincorporated businesses as			
separate legal entity of the			
owners			
2. Ownership : business	Identification of unincorporated family or	-	15th ICLS
created and run by members	individual businesses		
of households			
3. Type of accounting: <b>no</b>	Exclusion of quasi- unincorporated family	-	15th ICLS
complete accounting system	enterprise businesses	_	SNA 2008
that includes balance sheets			
4. Destination of production :	Identification of unincorporated family or	-	<b>SNA 2008</b>
at least some of the <b>tradable</b>	individual businesses producing tradable goods		
products	and services; Exclusion of unincorporated family		
	or individual businesses producing goods		
	exclusively for own household use		

### Criteria for Identifying Informal Employment (cont'd)

Criteria	Objective	Since
5. Type economic activity	Exclusion of households employing paid domestic workers	- 17th ICLS
	Possible exclusion of enterprises engaged in agriculture and related activities	
6.1 Number of persons engaged/employees/perman ent employees less than n and/or	Identification of informal sector business as a sub-group of unincorporated family or individual business producing tradable goods and services	- 17th ICLS - <b>SNA 2008</b>
<ul><li>6.2 Non registration of the business and/or</li><li>6.2 Non registration of the employees of the business</li></ul>	and services	

#### Criteria for Identifying Informal Employment

Operationally, in the production units (formal and informal) and in households, employees are considered as having informal jobs if at least one of the following conditions has not been met:

- payment of social security protection allowance by the employer;
- paid sick leave;
- paid annual leave or compensation in lieu.

#### Summary and Conclusions

- Informal sector plays a very important role in African economies.
- Mixed survey (i.e. 1-2 survey) is most preferable.
- Labor input matrix is recommended to be compiled.
- To finalize the standardized questionnaire for the mixed survey: (a) screening questions to identify informal sector and (b) proper questions to survey on the informal sector.
- Training workshops and seminars, expert group meetings for exchanging and sharing of methodology, continuing the compilation of a practical operational guidebook, and further assisting and supporting countries to follow up.

#### Summary and Conclusions (Cont'd)

- Recommendations of best practice
  - **Mixed surveys** and **combined surveys** should be privileged and systematically implemented because they provide national accountants with full set of indicators
  - To build **labor input matrix** along with SUT to overcome the problem of data gaps due to a lack of all necessary surveys in both demand and production sides

## Thank you for your attention!