Regional Workshop
on International Merchandise Trade
Statistics

Strengthening Data Compilation and Analytical Capacity

11-13 September, 2017
Suzhou, China

Agenda item 3: Purpose and context
Purpose and Context

The main objectives of the workshop are:

- to address questions regarding **methodology** and **challenges in data compilation** of IMTS
- to **exchange country experiences** with issues such as data acquisition (service agreements), data compilation strategies, data dissemination, etc.
- to discuss **cooperation issues** among institutions providing, compiling and using trade statistics
- to understand linkages between **IMTS and balance of payments statistics** and MSITS.
PART I. FUNDAMENTAL CONCEPTS AND DEFINITIONS

Round Table discussion I
New data elements of IMTS 2010

PART II. DATA PROCESSING SYSTEM

PART III. DATA QUALITY AND SPECIFIC MEASUREMENT ISSUES

Round Table discussion III
Data quality framework and indicators of quality

Round Table discussion IV
Needs and challenges in compiling data

PART IV. MEASURING INTERNATIONAL TRADE AND ECONOMIC GLOBALIZATION

PART V. DATA ANALYSIS AND VISUALIZATION

Round Table discussion V
Needs and challenges in analysing data
Context: Firms are trading

![Diagram of firms in an economy](image)

**Figure 3.5** Types of firms in an economy
• Trade data (exports)
  o Year / Month
  o Customs office
  o Commodity code
  o Product Description
  o Country of origin
  o Country of destination
  o Customs Procedure
  o Transportation mode
  o FOB Value
  o Net Weight
  o Gross Weight
  o Legal Unit of exporter

• Business Register
  o Location
  o Number of employees
  o Main activity description
  o Main activity ISIC Rev.4 code
  o Start of operations (year)
  o Production Costs
Trade by Enterprise Analysis

- **Profile of Exported Products**
  - Major export companies and destinations, by value
  - Concentration of exports
  - Degree of diversification of destinations
  - Share in exports
    - totals
    - by destination
  - Value of exports
    - total
    - By size category exporters
    - By category of "age" of exporting companies
- Exports / Total Production
Trade by Enterprise Analysis

- Profile of Exporting Enterprises
  - Major products and destinations, worth
  - Degree of diversification of products and destinations
  - Share in exports
    - by product
    - by destination
  - Total value of exports
  - Frequency of export activity
  - Size (number of employees)
  - Time from start of operations ("age" of the company)
  - Exports / Number of employees
  - Export / Total Sales
Context: Commodities matter

Decomposition of gross exports

Value added in the country of final production
Value added by first tier suppliers
Value added by second tier suppliers

Final consumption
Final assembly
Trade in final goods
Trade in inputs (first tier suppliers)
Trade in inputs (second tier suppliers)
Morocco in the automotive GVC

- Vehicle Design & Development
  - Vehicle development
  - System design
- Parts & Components
  - Electronic components
  - Mechanical components
  - Composite components
  - Wiring
  - Aluminum components
  - Rubber components
  - Software
- Systems: Modules
  - Interior System: Seat, interior trim, cockpit module
  - Body System: Skin, finish, trim, doors
  - Electrical & Electronics System: Ignition, chassis electronics, interior electronics
  - Chassis System: Drive train, rolling chassis, front and rear end modules
- Systems Integration & Final Assembly
  - Final Products
    - Automobiles
      - Trucks
    - Buses
    - Trailers
    - Motorcycles
    - Electric Vehicles
- Marketing & Sales
  - Market Segments
    - Passenger
    - Commercial
    - Industrial
    - Buses
    - Motorcycles
- Replacement Parts & Recycling
  - Maintenance & Repair
  - Recycling
  - Technical training, and customer support

Workshop on IMTS
Suzhou, 11-13 Sep 2017
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<tr>
<td>Final Products</td>
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<td>Passenger vehicles</td>
<td>870321, 870322, 870323, 870324:</td>
<td>Other vehicles, with spark-ignition internal combustion reciprocating piston engine &lt;1000cc, 1000 – 1500cc, 1500 – 3000cc, &gt; 3000cc 87033:</td>
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<td>Lead Firms</td>
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<td></td>
<td>87033</td>
<td>Other vehicles, with compression-ignition internal combustion piston engine (diesel or semi-diesel) &lt;1500cc, 1500 - 2500cc, &gt;2500cc</td>
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<td>Subassemblies</td>
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<td>Body system</td>
<td>870600</td>
<td>8706: Chassis fitted with engines, for the motor vehicles of headings 87.01-87.05</td>
<td>Chassis</td>
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<td>Drive train</td>
<td>840733, 840734, 840820:</td>
<td>Reciprocating piston engines used for the propulsion of vehicles of Chapter 87; of a cylinder capacity: &gt; 250 cc ≤ 1,000 cc &gt; 1,000 cc Compression-ignition internal combustion piston engines (diesel or semi-diesel engines); of a kind used for the propulsion of vehicles of Chapter 87</td>
<td>Engine</td>
<td>Lead Firms</td>
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<td>Components/Parts</td>
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<td>Body system (suspenion)</td>
<td>401110, 401211, 870831:</td>
<td>401110: New pneumatic tires, of rubber; of a kind used on motor cars 401211: Retreaded tires; of a kind used on motor cars (including station wagons and racing cars) 870839: Brakes and servo-brakes and parts thereof; 870870:</td>
<td>Tires</td>
<td>Suppliers</td>
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<td>Brakes ^</td>
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<td>Wheels</td>
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BEC and GVC Analysis

- BEC categorizes commodities by end use such as
  - Intermediate goods
  - Capital goods
  - Final goods

- BEC codes are derived from HS codes
Purpose and Context

- Exchange what happens at the international level, especially with “Trade and Globalization”

- Exchange country experiences with issues such as data acquisition (service agreements), data compilation strategies, data dissemination, etc.