

# DATA COMPILATION STRATEGIES AT MALDIVES MONETARY AUTHORITY

STATISTICS DIVISION  
MALDIVES MONETARY AUTHORITY

# Overview



- Data collection and processing
- Institutional arrangement
- Data processing
- Use of trade statistics at MMA
- Analysis of trade statistics

# Data collection & Institutional arrangement

- Import, export and re-export data are collected from Maldives Customs Services
- Additional information collection from MACL (Re-export of jet fuel)
- Collected on a monthly basis as set by counter part agency
  - Directly collecting from agencies
  - Email
  - Dropbox

# Data processing



- Converted into dBASE IV format
- Imported into in-house SQL database through a data importer
- Data retrieved through analysis data cube using an MS excel pivot table
- MMAs own classification (closely related to HS)

# Outliers



- SQL database will check for any inconsistencies in
  - ▣ HS code
  - ▣ Description
  - ▣ Country
- Data inconsistencies
  - ▣ Trend analysis after data processing

# Data usage and analysis at MMA



- Trade data is mainly used for:-
  - ▣ Compilation of Balance of Payment statistics
  - ▣ Analysis of trade statistics

# Trade data for compilation of BOP

- MMA is responsible for compiling BOP in the Maldives
- BOP – a statistical statement consisting of transactions with residents and nonresidents
- Consists of mainly three accounts
  - ▣ **Current account** (trade in goods and services, primary and secondary income)
  - ▣ **Capital account** (Capital Grants)
  - ▣ **Financial account** (FDI, Portfolio investments and other investments)

# Data source for goods



- Maldives Customs Service
  - ▣ Import of goods
  - ▣ Export of goods
  - ▣ Re-export of goods
  - ▣ Temporary import of goods
  
- Maldives Airports Company Limited
  - Sale of aviation gas to international aircrafts



# Estimation and imputation

---

- Adjustments made for imports
  - For coverage
    - Eg;- aviation gas, imports for defense
  - For classification
    - Eg;- goods to be sold at duty free shops
  - For valuation
    - Adjustments for undervaluation
- Adjustments made for exports
  - For classification
    - Other re-exports

# Analysis of trade data



- Imports and exports by sector
- Direction of imports and exports
- Composition of imports and exports
- Net weight of exports
- Months of imports

# Data dissemination



- Balance of Payments
  - ▣ Published on MMA monthly statistics (Table 10)
  - ▣ Detailed analysis – MMA Annual reports
- Analysis of trade statistics
  - ▣ Published in MMA monthly statistics (Table 11.1 to 11.5)
  - ▣ Published in MMA Monthly Economic Review and Quarterly Economic Bulletin

# Challenges



## □ **Imports**

- Computation of total imports
- Imports of goods on fob basis
- Computation of freight and insurance on imports
- Undervaluation of import

## □ **Exports**

- Under valuation of export



THANK YOU