Labour market information systems (LMIS)

General Report Section 4.8

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Department of Statistics
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Labour Market Information System

“A network of institutions, persons and information that have mutually recognized roles, agreements and functions with respect to the production, storage, dissemination of labour market related information and results in order to maximise the potential for relevant and applicable policy and programme formulation and implementation.”
Labour Market Information System

3 functions (F)

- Monitoring & Reporting on policies
- Coordination & Info Exchange
- Labour Market Analysis

4 components (C)

- Institutional arrangements and networks
- Analytical capacity and tools
- Collection and compilation of data and information
- Repository of information (data and indicators)

Labour Market Information System

Quality Management / Data & Metadata Management

<table>
<thead>
<tr>
<th>Specify Needs</th>
<th>Design</th>
<th>Build</th>
<th>Collect</th>
<th>Analyse</th>
<th>Disseminate</th>
<th>Evaluate</th>
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</thead>
<tbody>
<tr>
<td>1.1 Identify needs</td>
<td>2.1 Design outputs</td>
<td>3.1 Build collection instrument</td>
<td>4.1 Create frame &amp; select sample</td>
<td>5.1 Clean &amp; draft outputs</td>
<td>6.1 Draft output systems</td>
<td>7.1 Draft evaluation inputs</td>
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<tr>
<td>1.2 Consult &amp; confirm needs</td>
<td>2.2 Design variable descriptions</td>
<td>3.2 Build or enhance process components</td>
<td>4.2 Design frame &amp; sample</td>
<td>5.2 Update output systems</td>
<td>6.2 Finalise outputs</td>
<td>7.2 Conduct evaluation</td>
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<tr>
<td>1.3 Establish output objectives</td>
<td>2.3 Design collection</td>
<td>3.3 Build or enhance dissemination components</td>
<td>4.3 Configure workflwo</td>
<td>5.3 Check data availability</td>
<td>6.3 Finalise outputs</td>
<td>7.3 Agree on action plan</td>
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<td>1.4 Identify concepts</td>
<td>2.4 Design processing &amp; analysis</td>
<td>3.4 Test production system</td>
<td>4.4 Design production system &amp; workflow</td>
<td>5.4 Prepare business case</td>
<td>6.4 Manage user support</td>
<td>7.4 Finalise documentation</td>
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<tr>
<td>1.5 Check data availability</td>
<td>2.5 Design production systems &amp; workflow</td>
<td>3.5 Test statistical business process</td>
<td>4.5 Finalise production system</td>
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<td>1.6 Prepare business case</td>
<td>2.6</td>
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Labour Market Information System
Production

- LMIS’ indicators are *secondary* data
- Produced from primary data collected through surveys or from administrative registers

Production

- Statistical Activity
.Stat main functions

- **Data Entry**
  - A web-based application to process and load data into the Data Warehouse. Data can be in csv, .txt, .xml or .sdmx* format.

- **Data Storage**
  - Based on Microsoft SQL server and a standard star schema data warehouse technology.

- **Data Exit**
  - A single exit point serves as outputs from the Data Warehouse enabling the data to several dissemination tools through a set of Web Services.

- **Data Analysis**
  - .Stat allows for the extracting of data to various analytical tools for further data analysis.
Implementation checklist

- Define initial set of indicators
- Identify available sources in the country
- Establish data flows and provision agreements
- Define system architecture
- Signature of MoU between executing agency(ies) and ILO
- Training on .Stat administration: IT, data and metadata
- Localization and branding
- Deployment of LMIS.Stat
- Configuration of structural metadata and initial upload
- Workshop on labour market data production

Ongoing LMIS projects

**CARICOM**

- Complex architecture: 1 regional + 14 national instances
- Managed by CARICOM Single Market and Economy (CSME) Unit
- Regional instance just launched a «Beta» version
- Local assistance by DWT/CO-Port of Spain

**CHILE**

- Project led by Instituto Nacional de Estadística (INE)
- Currently under a pilot phase for internal review
- Expected to go live in December 2018
- Local assistance by DWT/CO-Santiago

**MONTENEGRO**

- Co-Administered by Ministry of Labour and Social Welfare and Ministry of Public Affairs
- Initial training and first internal instance deployed in September 2018
- Local assistance by DWT/CO-Budapest
Thank you!

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Lunch event:
Toolkit for LMIS and data reporting
Room IX (R2)
13:00 – 14:30
20th ICLS
<table>
<thead>
<tr>
<th>Region</th>
<th>2017 Q3</th>
<th>2017 Q4</th>
<th>2018 Q1</th>
<th>2018 Q2</th>
<th>2018 Q3</th>
<th>2018 Q4</th>
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**Note:** Data for the quarter of 2019 is not yet available.
20th ICLS
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