Data collection and production in general

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From data collection and production to analysis

**Collection**
- Microdata files
  - Automated (websites)
- Short-term indicators
- Annual questionnaires
- ILOSTAT annual indicators
- ILMS questionnaire

**Production**
- Microdata processing
- Regional and global modelled estimates

**Publication**
- Databases on ILOSTAT
  - *World Employment and Social Outlook, Monitor*, and other ILO flagship reports
- Statistical briefs, blogs, reports, and working papers
Data collection sources and channels

Administrative sources

Official estimates

Household surveys

Establishment surveys

National accounts

1. Microdata files
2. Bulk files from websites
3. Questionnaires
### Data channel comparison

#### Mostly manual

- **Data entry**
  - Official NSO data available online
  - Reduces reporting burden
  - Manual process
  - Prone to human error
  - May not follow international standards

- **Questionnaire**
  - Main channel to obtain non-LFS data
  - Main channel for countries lacking online database
  - Manual process
  - Significant reporting burden
  - Prone to human error
  - May not follow international standards

#### Using automation

- **Bulk files**
  - Official NSO data available online
  - Efficient
  - Timely
  - Reduces reporting burden
  - Limited to LFS data (focus on short-term indicators)
  - May not follow international standards

- **Microdata**
  - Increasingly available online
  - Extensive cross-tabulations
  - Reduces reporting burden
  - Harmonized (consistently apply int'l standards)
  - Limited to household surveys (usually LFS)

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**Manual process**

- Prone to human error

**May not follow international standards**
What’s new

Since 2018, the ILO's Department of Statistics has made significant strides in data compilation and production. These advancements have enhanced our understanding of global labour market trends.

Major initiatives

- Expansion of ILO Harmonized Microdata collection
- Introduction of ILO Statistics Reporting System (StaRS)
- Development of econometric models for labour market indicators
- Use of nowcasting techniques during COVID-19
- Establishment of on-demand data production service
### Overview of initiatives

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<tr>
<th>Microdata</th>
<th>StaRS</th>
<th>Modelling</th>
<th>Nowcasting</th>
<th>Data on-demand</th>
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<tr>
<td>Expanded to cover 44 more Member States</td>
<td>Introduced in 2020</td>
<td>Collaborative development with other ILO departments</td>
<td>Effectively tracks the impact of COVID-19 on the world of work</td>
<td>Utilizes the ILO Harmonized Microdata collection</td>
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<td>Included 7,500 additional national survey datasets</td>
<td>Facilitates the reporting process</td>
<td>Produces estimates and forecasts of key labour market indicators</td>
<td>Led to the publication of the ILO Monitor</td>
<td>Creates international databases within hours</td>
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<td>Encompasses a broader range of variables</td>
<td>Used for two annual data inquiries</td>
<td>Crucial for monitoring global and regional trends</td>
<td>An essential tool for understanding rapid labour market changes</td>
<td>Serves multiple requests for data tabulations and cross-tabulations</td>
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<td>Provides 260 million data values, about 95% of ILOSTAT portal data</td>
<td>Important for countries with limited data sources</td>
<td>Supports SDG reporting and ILO flagship reports</td>
<td>Benefits departments, international organizations, research institutions, and universities</td>
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- Introduced in 2020
- Facilitates the reporting process
- Used for two annual data inquiries
- Important for countries with limited data sources

**Modelling**
- Collaborative development with other ILO departments
- Produces estimates and forecasts of key labour market indicators
- Crucial for monitoring global and regional trends
- Supports SDG reporting and ILO flagship reports

**Nowcasting**
- Effectively tracks the impact of COVID-19 on the world of work
- Led to the publication of the ILO Monitor
- An essential tool for understanding rapid labour market changes

**Data on-demand**
- Utilizes the ILO Harmonized Microdata collection
- Creates international databases within hours
- Serves multiple requests for data tabulations and cross-tabulations
- Benefits departments, international organizations, research institutions, and universities
Overall impact and conclusions

The ILO's Department of Statistics has played a pivotal role in advancing data compilation and analysis for global labour market trends. These initiatives have far-reaching impacts on policymaking and SDG progress monitoring.

Impact

- Facilitated detailed analysis
- Informed policymaking
- Supported global monitoring of SDG progress
- Contributed to the production of flagship ILO reports
Thank you