Data Dissemination Strategies in Malaysia

Outline of Presentation

• Data Dissemination Mode
• Data Dissemination Strategies in ICT Strategic Plan (ISP)
• Databases
• Assessing Customer Needs
• Issues and Challenges
**Publications**

- CDs, books, bulletin, pamphlet published by the Department
- Frequency: yearly, monthly, quarterly and half yearly

**Unpublished Data**

- Data that has to be extracted but not found in any of the Department’s publication.
- Requested data includes tabulation, survey questionnaires, enumeration block map and others

**Special Data Dissemination Standards (SDDS)**

<table>
<thead>
<tr>
<th>Category of Data</th>
<th>Periodicity</th>
<th>IMF Timeliness</th>
<th>DOSM Timeliness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Index of Industrial Production</td>
<td>Monthly</td>
<td>6 weeks</td>
<td>5 weeks</td>
</tr>
<tr>
<td>Salaries/Wages (Manufacturing)</td>
<td>Quarterly</td>
<td>12 weeks</td>
<td>7 weeks</td>
</tr>
<tr>
<td>Consumer Price Index (CPI)</td>
<td>Monthly</td>
<td>4 weeks</td>
<td>2 weeks</td>
</tr>
<tr>
<td>Producer Price Index</td>
<td>Monthly</td>
<td>4 weeks</td>
<td>4 weeks</td>
</tr>
<tr>
<td>External Trade</td>
<td>Monthly</td>
<td>8 weeks</td>
<td>4 weeks</td>
</tr>
<tr>
<td>National Accounts</td>
<td>Quarterly</td>
<td>12 weeks</td>
<td>8 weeks</td>
</tr>
<tr>
<td>Employment/Unemployment</td>
<td>Quarterly</td>
<td>12 weeks</td>
<td>8 weeks</td>
</tr>
</tbody>
</table>
1. Consumer Price Index (CPI)
2. Summary of Trade data
3. Malaysian Economy in Brief
4. Index of Industrial Production
5. Monthly Statistical Bulletin

Data files provided to BERNAMA
InfoCEN

Advantages:
- Easy access
- Timely information

Users:
- Economic Planning Unit (EPU)
  Formulating plans for national development and administration
- Corporate & User Services Division, DOSM
  Data requests

Microdata Dissemination

- 2 per cent sample of the Population and Housing Census data provided to Integrated Public Use Microdata Series (IPUMS), USA and other users
- 30 per cent sample of the Household Expenditure Survey data provided to higher learning institutions for research purposes

ICT Strategic Plan (ISP)

1. Enhance delivery services; use of latest technology
2. Enhance ICT infrastructure to support current/future ICT initiatives
3. Improve existing systems inline with best practices
4. Improve ICT skills and usage
5. Integration and coordination of statistical data and information system
6. Facilitate information and knowledge sharing
7. Enable collaborative endeavors in national statistical readiness
ICT Strategic Plan (ISP)

Alternative Integrated Statistical Systems Framework

1. Establishment
2. Aggregate

DOSM Data Warehouse

- Small and Medium Enterprise (SME) Database
- Agriculture Sector Database
- External Trade Database

National SME Database

AUG 2004: National SME Development Council chaired by The Prime Minister decided SME Database be developed and hosted by DOSM.

1. Establishment Database
   - Source: SME Baseline Census 2005
   - 548,267 records
   - Application of Data Mining Tools

2. Aggregate Database
   - Aggregated tables
   - 16 main agencies (Phase 1: BNM, MITI, KPWSP, SME DEC, LHDN, SSM, NPC, MECD, MDeC & MATRADE)
3. Establishment Profile
- Basic profile (Name, Address, Main activity, Industry classification and size (micro, small, medium)
- Tracking system

4. Metadata
- Concepts, definitions and technical information
The development of Agriculture Sector Database will be carried out in phases:

Phase 1: 2006
- Current data from Agriculture Census 2005 are being imputed

Phase 2: 2007 onwards
- Database will be integrated with data collected from agriculture agencies

SPEEDMINER
- Software used in the development of SME, Agriculture and External Trade Database
- Multi-dimension database
- Do not need to create a cube (Creating cube is time consuming)
- Easy to implement
- Can handle terabytes of data
- Web capability
- No limit of drill down

Customer Satisfaction Survey
- 474 respondents (mailing list / subscribers)
- Findings:

Digital: 88.9%
Printed: 97.7%
**DOSM Strengthening Plan**

- Prioritize data needs and usage of administrative data
- Develop central database
- Develop metadata repository
- Develop common national business registries
- Establish IATC (Inter-Agency Technical Committee)
  - Standardization and harmonization
  - Facilitate data sharing with other government agencies

**Issues and Challenges**

- Knowing Target Audiences
- Technical & Methodology Development
- Ethics, Transparency and Confidentiality

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**THANK YOU**

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