Strategic Planning for Improving the Statistical Register Systems of Manufacturing Industries (MI) in Iran

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Research question and scope of study

- What are the basic register-base systems toward IM in Iran?
- How IM data sources can link?
- What challenges are there in integration data sources of IM in Iran?
- What are the main opportunities and threats?
- Which results are obtained from previous experience of data linkage?
- How register-base of IM can improved?

Methodology

- Review the previous experiences of Iran as well as other countries
- Provide an strategic planning for improvement
- Determine the existence data sources of IM and measure their qualities
- Provide standards for administrative registers that prepare IM’ data sources
- Try to make SWOT by SCI to make improvement strategies
- Focus on integration of different IM data sources
- Conduct supplementary surveys to integration IM’s data and statistical framework
Previous experience in SCI

Statistical center of Iran

Ministry of Industry, Mine & Trade (MIM)

Manufacturing Establishments number

Existing Statistical Framework of SCI and MIM

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<thead>
<tr>
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<th>SCI</th>
<th>MIM</th>
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<tbody>
<tr>
<td>Total</td>
<td>65,339</td>
<td>20,000</td>
</tr>
<tr>
<td>100 worker and more</td>
<td>2,606</td>
<td>2,806</td>
</tr>
<tr>
<td>worker 99-50</td>
<td>5,817</td>
<td>2,833</td>
</tr>
<tr>
<td>worker 49-10</td>
<td>30,653</td>
<td>4,838</td>
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</table>

in common | SCI | MIM |
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>100 worker and more</td>
<td>1776</td>
<td>1708</td>
</tr>
<tr>
<td>worker 99-50</td>
<td>2153</td>
<td>1776</td>
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<tr>
<td>worker 49-10</td>
<td>3863</td>
<td>4283</td>
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only 46.7% of databases have been linked successfully

SCI have been conducted other agreement with I.R.I Post Company, Iranian National Tax Administration (INTA), Securities & exchange organization etc.
Findings

i. **ST strategies**
- Equalization of definitions as far as possible to harmonize the database structures
- Define a **standard business unique code (BUC)**
- **Identification of variables** and technical char, edition process etc.
- In collaboration with the administrative registries create a **unified database**
- (or the unified linking codes) to receiving the information which is needed.

i. **WO strategies**
- To motivate the I.R.I Post company to make **standard postal address** as an official address to cover postal codes of manufacturing establishment
- Enhance the level of corporation with administrative offices to complete the postal code coverage
- **Determination of data obtaining methods** from databases (on-line, off-line, web service, centralized database etc.
- Define the **Iranian National Tax Administration (INTA) register** system as a fundamental register for manufacturing establishment due to the mandatory laws, reliable data and coverage.
i. **WT strategies**
- Construct team work with component of the other organization to **purify databases** with in common definitions and classification
- Conduct **conjoint project** for complete the databases and missing data
- Conduct **educational courses systems** for Industrial related experts
- **Prioritizing of databases** in order to organize
- Continued **updating manufacturing establishments** register on a regular basis
- **Systematic supplement database** manufacturing establishments register data on new organizations
- Continuous improvement of indicators
- **Implements data control and quality assurance** for records and images of various databases and registries

i. **SO strategies**
- To elaborate **level of collaboration** with other organizations based on the governmental position and protection rules of SCI
- **Capacity building** to enhance the standard databases in administrative systems
- Create a linkage between databases (at least 5 database every year)
- **Strengthening cooperation** with existing administrative registers
Remaining issues/further research

• How SCI can provide rules to integrate different administrative data sources of IM?

• What is the best structure of BUC code for IM?

• How different administrative can upgrade their data sources without changing standards?

• How SCI can provide infrastructures to receives data directly from IMs?

• Which standards are there for data security in on-line linkage?

• What are the methods of linkage data sources (one to multiple record and vice versa)?
Thank You for Attention

Masoole, Gilan, Iran