The Components of NFE Data System’s Life Cycle

Thailand

Workshop on Non-Formal Education Data Collection

19-20 September 2016
Bangkok, Thailand
Conceptual Data Life Cycle

1. Data collection
   • Instrument design/review
   • Pre-testing
   • Publication
   • Distribution
   • Follow-up

2. Data processing
   • Requirements analysis
   • Program design
   • Program testing
   • Implementation
   • Maintenance

3. Data analysis
   • Requirements study
   • Graphing
   • Compilation
   • Reporting

4. Reporting

5. Publication
   • Putting it together
   • Formatting
   • Costing
   • Publication
   • Distribution

6. Dissemination
   • Reaching the user
   • Presentation
   • Briefing
   • Training

7. Feedback
   • Collection
   • Incorporation
1. **Main source of NFE data:** NFE District 982Centers

2. **Methods** (How NFE data is collected?): student registration offline system (primary and secondary level),

3. **Which forms/instruments** is used to collect NFE data? student registration system (primary and secondary level)

4. How is it **ensured** that all centers and schools receive the instruments, complete them and send them back **on time**? The data used to evaluate the budgets of each district center

5. **Who collects** NFE data?: reporting or monitoring officers of district center

6. **How often** is NFE data collected?: school semester (6 months twice a year)
2. NFE Data Processing

1. Monitoring instruments/systems
   - Approximately, how many questionnaires are completed and returned? 100% return
   - How is the distribution of non-returned responses by region and districts identified?

2. Data entry and cleaning
   - Who is responsible for NFE data entry and cleaning? Data entry and cleaning system which is evaluation data unit
   - How closely do the data entry/cleaning officers (encoders) work with survey administrators? Work closely both MOE and district level
2. NFE Data Processing (cont’d)

3. Data compilation
   • Where is NFE data saved? All data has been stored in student registration offline system
   • In which format is it complied? soft copy (xml) sending to central NFE server
   • If data is complied as a hard copy, how long is it usually kept? No

4. Quality control
   • What tools are used to identify missing/ miscoded data? Uncompleted data from the district level
3. NFE Data Analysis

1. Are basic indicators of NFE system’s performance readily available?
   - the number of NFE school

2. Are trend statistics and indicators used to supplement analytical reports? Yes

3. Are regional, provincial and district disparity analysis analytical reports incorporated as part of major reports? Yes
4. Reporting

<table>
<thead>
<tr>
<th>Type of NFE report currently available</th>
<th>The purpose of the report</th>
<th>The main users of the report</th>
<th>Comprehensiveness of the report</th>
</tr>
</thead>
<tbody>
<tr>
<td>A summary of statistical tables and some indicators</td>
<td>A reference</td>
<td>The general public, researchers, M&amp;E experts, national and international organizations who use statistics in their reports, student and teachers in educational institutions, research organizations</td>
<td>The summary, tables, or charts</td>
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</table>
5. Publication

Please share what type of publication is produced for NFE data

- Educational Statistics report
- Website: mis.moe.go.th
5. Publication (cont’d)

Please share major sections of the existing NFE publication, if available

For example,

1. Preface & letter of transmittal
2. Table of contents & lists of tables and figures
3. Introductory & explanatory notes
4. Summary highlights
5. Mid-year population estimates (data used in computations)
7. Annex / appendix
6. Dissemination

*Please answer the following questions *as much as possible.*

- Please identify main internal and external NFE data users (see below)
- In which forms, is NFE data distributed to internal and external users?

<table>
<thead>
<tr>
<th>Type of user</th>
<th><strong>Internal users</strong></th>
<th><strong>External users</strong></th>
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<tbody>
<tr>
<td></td>
<td>(e.g., planners, decision-makers, decision support systems, experts and educational administrators at all levels within the MoE, including provinces, districts and schools)</td>
<td>(e.g., planners, researchers, students, teachers, GOs/NGOs, national and international organizations, CSOs and private individuals outside the MoE and the community as a whole)</td>
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<tr>
<td>Dissemination form(s)</td>
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<td></td>
<td>• (Regular) distribution of school/center abstracts, quick references, indicators’ reports</td>
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<td></td>
<td>• Publication and distribution of pamphlets and posters to users</td>
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<td></td>
<td>• Reports and briefing to planners and decision-makers at different levels of administration</td>
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<td></td>
<td>• Etc.</td>
<td>• Etc.</td>
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7. Feedback

Please answer the following questions as much as possible.

What mechanism for collecting feedback on NFE data do you, as a NFE data officer, use or exists in your country?

- *E.g. 1:* A record book to monitor information from those visiting your office to keep account of what information they require and for what purpose.

- *E.g. 2:* A habit of reading through policy and research papers and reports to get an idea of what these bodies are interested in.

- *E.g. 3:* Use the opportunities you have to attend meetings, individual discussion to try to read the minds of the professionals and assess information you might be able to work on in order to be able to provide them with the alternatives you can manage.
NFE data collection path - SAMPLE

National (MOE), Statistic Unit, Dept. of Policy and Planning

Saved in several computers on the network

Higher administrative division (e.g., Region)

Second-level administrative division (e.g., District)

District summary & original

Township summary & original

Third-level administrative division (e.g., Township)

Township summary & original

Community Learning Centers (SERVICE PROVIDERS)

Literacy Centers (SERVICE PROVIDERS)

Formal Schools (SERVICE PROVIDERS)

NFE Teacher Training Centers

Questionnaires (DATA COLLECTION METHODS)

OTHER DATA COLLECTION METHODS

OTHER DATA COLLECTION METHODS

Questionnaires (DATA COLLECTION METHODS)

Questionnaires (DATA COLLECTION METHODS)

Methods

Main source of NFE data
8. Current NFE data collection path

Please create your country’s existing NFE data collection path based on answers you have provided and the sample provided in the previous slide.