PROPOSED MODEL OF EDUCATION STATISTICAL DIGEST

BY SPC_6TH DECEMBER 2016
Overview

PROPOSED MODEL OF THE TATISTICAL DIGEST

- Purpose of the education Statistics Digest
- What are the main principles to think about for a simple statistical digest?
- Who are our stakeholders/users of Education statistics
- Proposed Model of the Statistical Digest – (Group discussion)
- Countries Statistical Outputs (countries samples)
The purpose of the Education Statistics Digest is to provide basic statistical information on education in countries. The statistical information includes data on:

1. At the country’s context
2. At the regional and international context
Recommended Principles for the National Statistical Digest

- Comprehensive and sector wide
- Timely
- Sufficient detail (disaggregated by region and location area)
- Nationally developed
- Reflect the national education system
- Publish most recent data for the last school year
- Contain data to report against the National Strategic Plan
Difference between a Statistical Digest and a Monitoring Report

**Monitoring and Evaluation Report:** Monitor progress against the national strategic plan of the Ministry of Education and organized according to national strategic goals. So we can monitor progress overtime and it involves the calculation on the SDG and PEDF indicators.

**Statistical Digest:** Provide basic information to support the monitoring of the strategic plan and includes details about schools, students, learning outcomes, teachers, resources and finances. This should be published and made available to public.
Users of the Statistical Digest

- Government
- Ministry of Education
- Donors
- Schools
- Principals
- NGOs
- Development Partners
- Regional organizations

Government and Ministry of Education will use the data for their own planning purposes. Other stakeholders will use the same data for their decision-making and planning. The development partners will often use the information to calculation key education indicators such as SDGs and PEDF.
Proposed Model of the Statistical Digest

- Introduction
- Overview of Education System
- Statistical Summary
- Technical Definitions
SECTION I: Early Childhood Education

A1. Enrolment by age and gender
A2. Enrolment by level of disability, age and gender
A3. Teacher Supply
A4. School Resources
A5. Education Finance
SECTION II: Primary Education

Using tables (Data disaggregation: Gender, location, governing authorities and level of disability)

B1. Number of students enrolled by age and gender
B2. Number of students with disability by age and gender
B2. Number of repeater by age and gender
B4. Teacher Supply
B5. School Resources
B6. School Facilities
B7. Education Finance
Secondary Education

Using tables (Data disaggregation: Gender, location, governing authorities and level of disability)

C1. Number of students enrolled by age and gender
C2. Number of students with disability by age and gender
C3. Number of repeater by age and gender
C4. Teacher Supply
C5. School Resources
C6. School Facilities
C7. Education Finance
Technical/Vocational Education and Training (TVET)

Using tables (Data disaggregation: Gender, location, governing authorities and level of disability)

- Number of TVET providers
- Number of Trainees by field of study
- Number of Graduates by Field of Study
- Number of Trainers
- Government expenditure on TVET Education
FORMAL AND NON-FORMAL TERTIARY EDUCATION

- Number of students on scholarship by programme of study, New and ongoing awards by age and gender
- Number of scholarship graduates by age and gender
- Number of students in Post-secondary institutions by age and gender
- Number of graduate students from Post-secondary institutions by age and gender
- Government expenditure on Tertiary Education
Annex – Statistical Tables

- School Response Rate
- Actual vs Estimated Data
- Number of Students and Teachers per school
Please take 10mns to share with us your thoughts about the Early Childhood Education Digest

<table>
<thead>
<tr>
<th>Early Childhood Education</th>
<th>Available (Yes/No)</th>
<th>What are the issues</th>
<th>Challenges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of students in Kindergarten schools by age and gender</td>
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<tr>
<td>Number of students who are disabled by age and gender</td>
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<tr>
<td>Number of qualified and trained teachers</td>
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<td>Number of schools with clean drinking water</td>
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<td>Number of schools with handwashing dish</td>
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<td>Number of classroom</td>
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<tr>
<td>Primary and Secondary Education</td>
<td>Available (Yes/No)</td>
<td>What are the issues</td>
<td>Challenges</td>
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<tr>
<td>Number of students by age and gender</td>
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<td>Disability</td>
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<td>Dropout</td>
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<td>Repeater</td>
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<td>Transfers in/out</td>
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<tr>
<td>Number of qualified and trained teachers</td>
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<tr>
<td>Learning resources</td>
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<tr>
<td>Number of classrooms</td>
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<td>Water and sanitation</td>
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Please add on in this table if you think that your EMIS system does contain more information that we should know about.
<table>
<thead>
<tr>
<th>Formal and Non-Formal Tertiary</th>
<th>Available (Yes/No)</th>
<th>What are the issues</th>
<th>Challenges</th>
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</thead>
<tbody>
<tr>
<td>Number of students enrolled by age and gender</td>
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<tr>
<td>Number of students by study programme</td>
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<tr>
<td>Number of graduates by study programme</td>
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</tbody>
</table>

Please add on in this table if you think that your EMIS system does contain more information that we should know about.
<table>
<thead>
<tr>
<th>TVET Sector</th>
<th>Available (Yes/No)</th>
<th>What are the issues</th>
<th>Challenges</th>
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<tbody>
<tr>
<td>Number of Trainees by age and gender</td>
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<tr>
<td>Number of Trainees by courses</td>
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<tr>
<td>Number of graduates by courses</td>
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</table>
Countris Statistical Outputs

In Progress

PALAU (2016)  SOLOMON IS.  NAURU  KIRIBATI  TONGA

FIJI ANNUAL REPORT TO BE ENDORSED BY PARLIAMENT SOON
**TABLEAU – MEHRD SOLOMON ISLANDS**

Tableau visualization showing secondary education dashboard by province school and authority. The dashboard compares various key performance indicators (KPIs) for the years 2014 and 2015. The image includes charts and graphs depicting the Pupil-Reader Ratio, Textbook-Pupil Ratio, Pupil-Classroom Ratio, Pupil Teacher Ratio, Pupil Qualified Teacher Ratio, and Pupil Certified Teacher Ratio. The data shows a comparison between selected and national figures for each indicator.
REVIEW OF COUNTRIES SCHOOL QUESTIONNAIRES

TUVALU

NAURU

PNG

SOLOMON IS.
How to improve....

- Ensure that your National School Census is align with YOUR country’s data needs but also with the regional and international data needs.
- Ensure that you have a clear business process for Data collection, Data entry, Data Validation, Data Analysis and Reporting are part of your Annual Work Plan
- Ensure that all the survey TIMELINES are respected.
- Strength your communication with other stakeholders and MOE divisions with regards to education statistics

Prism link: [http://prism.spc.int/reports/education](http://prism.spc.int/reports/education)
NMDI link: [https://www.spc.int/nmdi](https://www.spc.int/nmdi)
Data repository

- 90% of PICs have an Education Management Information System (EMIS) in place under the regional EMIS project support.

- 10% of PICs are Storing data in Excel.

- Education data can be obtained from other data sources
THANK YOU
MERCI