Using OpenEMIS to Track and Monitor Non-Formal Education and Lifelong Learning

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Community Systems Foundation

- Non-profit organization serving communities around the world since 1963
- Applying information technology solutions for data-driven sustainable development
- Consultative status with UN ECOSOC
CSF Projects & Initiatives
Non-Formal Education and Lifelong Learning

**SUSTAINABLE DEVELOPMENT GOAL 4**
Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

**SUSTAINABLE DEVELOPMENT GOAL 8**
Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all
An initiative coordinated by UNESCO
OpenEMIS and TVET

• Goal 1: Track Technical and Vocational Education and Training (TVET) Programmes
• Goal 2: Facilitate the transfer of information from other systems such as labor market
• Goal 3: Track and monitor TVET Key Performance Indicators (KPIs)
Case study: UNESCO BEAR Project

Purpose:
To provide a centralized database of all TVET information in the country, including data from TVET institutions, government sources, and the labour market.

Project Period:
April, 2017 – September, 2017
TVET-MIS: Four Pilot Countries

Malawi

Zambia

Botswana

DR Congo
OpenEMIS: Real-time Monitoring Data
Factors for Success

1. Governance
   • Collaboration and communication between multiple TVET stakeholders
   • Ownership

2. Technology
   • Hosting – local server versus cloud server
   • Capacity in managing infrastructures and hardware

3. Capacity & Sustainability
   • Carry forward management and use of the system
   • National capacities
Lessons Learned

1. Policy, Governance and Management
   • 3 years implementation plan
   • Strengthen TVET’s directive function

2. Capacity Development in the Use of the System
   • Cascading training plan at the national level
   • Provide online support

3. Data
   • Develop a conceptual framework for the TVET indicators
   • Conduct an inventory of data availability and quality
   • Integrate data from external sources (e.g. labor market)

4. TVET-MIS Software
   • Systematize and standardize high level terminologies
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