STRENGTHENING ENVIRONMENTAL STATISTICS IN THE NATIONAL STATISTICAL SYSTEM (NSS)

Operationalizing CD4.0 in Zambia

Dissemination workshop | Zambia Statistics Agency

16 June 2021 | Julia Schmidt, PARIS21; Masiliso Sooka, ZamStats
Agenda

• Explaining the Capacity Development 4.0 approach
• Overview over the programme
• Achievements – The CD4.0 assessment
“The process through which a country’s national statistical system, its organisations and individuals obtain, strengthen and maintain their abilities to collect, produce, analyze and disseminate high quality and reliable data to meet users’ needs.” (PARIS21, 2020)
1) Inclusion of new data stakeholders
The need to integrate new data sources and non-traditional data actors

2) A stronger user integration
A change to service-oriented data delivery

3) Holistic approach to statistical capacity development
A need to integrate management and leadership beyond technical skills
The CD4.0 Matrix

**Targets**
- Resources
- Skills and Knowledge
- Management
- Politics and power
- Incentives

**Levels**
- Individual
- Organisation
- System

Source: https://paris21.org/capacity-development-40
# Operationalising the CD4.0 matrix

<table>
<thead>
<tr>
<th>Target/Level</th>
<th>Individual</th>
<th>Organisational</th>
<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Resources</strong></td>
<td>• Professional background</td>
<td>• Human resources</td>
<td>• Legislation, principles and institutional setting</td>
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<tr>
<td></td>
<td>• Budget</td>
<td>• Infrastructure</td>
<td>• Funds infrastructure</td>
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<td></td>
<td></td>
<td></td>
<td>• Plans (NSDS, sectoral...)</td>
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<td></td>
<td></td>
<td></td>
<td>• Existing data</td>
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<tr>
<td><strong>Skills and knowledge</strong></td>
<td>• Technical skills</td>
<td>• Statistical production processes</td>
<td>• Data literacy</td>
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<td></td>
<td>• Work know-how</td>
<td>• Quality assurance and codes of conduct</td>
<td>• Knowledge sharing</td>
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<td></td>
<td>• Problem solving and creative thinking</td>
<td>• Innovation</td>
<td></td>
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<td></td>
<td></td>
<td>• Communication</td>
<td></td>
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<tr>
<td><strong>Management</strong></td>
<td>• Time management and prioritisation</td>
<td>• Strategic planning and monitoring and evaluation</td>
<td>• NSS co-ordination mechanisms</td>
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<tr>
<td></td>
<td>• Leadership</td>
<td>• Organisational design</td>
<td>• Data ecosystem co-ordination</td>
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<td></td>
<td></td>
<td>• HR management</td>
<td>• Advocacy strategy</td>
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<td></td>
<td></td>
<td>• Change management</td>
<td></td>
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<td></td>
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<td>• Fundraising strategies</td>
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</table>
The CD4.0 value added

<table>
<thead>
<tr>
<th></th>
<th>Holistic approach to capacity development of statistical systems: Digitalization, improved data access and use, administrative data</th>
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<tbody>
<tr>
<td>2</td>
<td><strong>Empower NSO as the national data steward:</strong> coordination with other govt agencies, and partnerships with private data agencies, modern governance mechanisms</td>
</tr>
<tr>
<td>3</td>
<td><strong>Increase financing to statistics:</strong> More and better funding for development data from domestic and external sources</td>
</tr>
</tbody>
</table>
Structure of the programme

Capacity Assessment
- System/organisational level: Financial resources, Innovation, Existing Data
- Mapping of ENV Statistics stakeholders
- Legal Framework
- Existing data/data gap assessment
- Existing annual programme/NSDS Plans

User Satisfaction Survey
- Organisational: diversification of user groups
- Comprehensive stakeholder mapping (users/ producers)
- Policymakers, private sector, NGOs, media
- Technical bilateral meetings

Recommendations for NSDS Process
- System-level: Political support/Stakeholder relationships
- 10 recommendation for the mid-term review of the NSDS process
The CD4.0 capacity assessment

- A holistic questionnaire taking into account the targets/levels of the CD4.0 matrix
- A set of 100 questions that were customized to the country context
- Objective: define the **key priority areas** that require short/medium and long-term capacity development
The structure of the questionnaire

Resources
Legal frameworks, strategic planning and funding plans, allocated budget, coordination, technical resources

Skills & Knowledge
Production & dissemination processes, communication policy, innovation, training

Management
Skills gaps, HR strategies

Incentives
Financial rewards, career development, work culture
The process

• Desk research on existing legal frameworks, data mappings, analyses of the statistical system
• Extensive discussions with the NSO and then with the wider stakeholder group
• Individual follow-up sessions
• Synthesized results of the assessment presented to NSO leadership and relevant policy makers
The key findings

Resources
• Low awareness of the legal framework
• Lack of dedicated budget to ENV statistics

Skills & Knowledge
• Lack of HR strategy/policy/skills with focus on environment statistics.

Management
• Very few people in management are trained in environment statistics (HR Policy)

Politics & Power
• Lack of coordination among NSS entities/duplication of efforts

Incentives
• Lack of motivation/systemic opportunities for employees working on env. statistics
THANK YOU FOR YOUR ATTENTION