Country MEL Training - Egypt
By
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Presentation Outline

1. Results and Objectives chains
2. Major results frameworks and relationship to bilateral results
3. Project mapping to result frameworks
4. Impact pathways, Theories of Change (& learning agenda) and Logframes
5. Indicators
Introduction to M&E Terminologies

Results Hierarchy

- **Activities**: Services that the project provides e.g. training

- **Deliverables**: Material that are potentially available upon completion of a task (activity/sub-activity) and cut thus serve as evidence for activity
• **Outputs**: Quantifiable products that result from the execution of project activities.
  - Entail one or more deliverables
  - Directly within the control of project management
• **Outcomes**: Changes in human behavior and practices as well as systems. The project can reasonably be said to cause these.

• **Impact**: Long-term results of one or more projects over time. The project can only contribute to results at the impact-level.
# Introduction to M&E Terminologies

## Results Hierarchy vs. Objectives Hierarchy

<table>
<thead>
<tr>
<th>Results Hierarchy</th>
<th>Objectives Hierarchy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact</td>
<td>Goal</td>
</tr>
<tr>
<td>Outcome</td>
<td>Purpose</td>
</tr>
<tr>
<td>Output</td>
<td>Output</td>
</tr>
<tr>
<td>Activities</td>
<td>Activities</td>
</tr>
</tbody>
</table>
Project Mapping (Center, CRP, SRF, SDGs)

Results Frameworks

SDG Agenda

CGIAR SRF

Institutional Strategy

WorldFish

Strategic plan

Donors RF

CGIAR-SRF

SDGs
UN-led SDGs (17), WorldFish contributes to 10 of these
# Project Mapping (Center, CRP, CGIAR SRF, SDGs)

## The SRF-CRP-Centers-SDG Relationship - 2/2

<table>
<thead>
<tr>
<th>SDGs</th>
<th>SLO</th>
<th>IDO</th>
<th>Sub-IDO(s)</th>
<th>CRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Reduced poverty</td>
<td>1.3 Increased incomes and employment</td>
<td>1.3.1 Diversified enterprise opportunities</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>1.4/2.1 Increased productivity</td>
<td>1.4.1/2.1.1 Reduced pre- and postharvest losses, including those caused by climate change</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.4.2/2.1.2 Closed yield gaps through improved agronomic and animal husbandry practices</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.4.3/2.1.3 Enhanced genetic gain</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.4.5/2.1.5 Increased access to productive assets, including natural resources</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Improved food and nutrition security for health</td>
<td>2.2 Improved diets for poor and vulnerable people</td>
<td>2.2.1 Increased availability of diverse nutrient-rich foods</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>2.2.2 Increased access to diversified nutrient-rich foods</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.2.3 Optimized consumption of diverse nutrient-rich food</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.3 Improved food safety</td>
<td>2.3.1 Reduced biological and chemical hazards in the food system</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.4 Improved human and animal health through better agricultural practices</td>
<td>2.4.2 Reduced livestock and fish disease risks associated with intensification and climate change</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**SDGs** refer to the Sustainable Development Goals, **SLO** stands for Sustainable Development Objectives, **IDO** for Indicators of Development Outcomes, and **Sub-IDO(s)** for Sub-Indicators. The CRP column indicates the relevant CRP for each SDG and SLO.
## Project mapping (CRP, SRF, Center Strategy, SDGs)

### Where in MEL do we do the mapping? (1/7)

<table>
<thead>
<tr>
<th>Where in MEL</th>
<th>CRP</th>
<th>Center Strategy or Framework</th>
<th>SRF</th>
<th>SDGs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Edit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Section 1</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Section 6</td>
<td></td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Manage</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>BUS</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Output</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Outcome</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Reporting Deliverable</td>
<td></td>
<td></td>
<td></td>
<td>✔</td>
</tr>
</tbody>
</table>
Project Mapping (CRP, SRF, Center Strategy, SDGs)

Where in MEL do we do the mapping? (2/7)

Project to CRP in Edit (section 1)
Project Mapping (CRP, SRF, Center Strategy, SDGs)

Where in MEL do we do the mapping? (3/7)

Project to Center Strategic Objectives in Edit (section 6)
## Project Mapping (CRP, SRF, Center Strategy, SDGs)

### Where in MEL do we do the mapping? (4/7)

**BUS mapped to CRP & Center Strategy**

### Image Description

A screenshot of a web interface showing a table with columns for **Bus Number**, **Bus Amount**, and **Bus Manager**. The table contains one entry:

<table>
<thead>
<tr>
<th>Bus Number</th>
<th>Bus Amount</th>
<th>Bus Manager</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 11136</td>
<td>$754,275.00</td>
<td>Steven Michael Cole</td>
</tr>
</tbody>
</table>

### Additional Information

- **Yearly Budget → Edit**
- Logos and affiliations from various organizations such as Amazon Web Services, DSpace, The Dataverse Project, Code4obia, iMIMAP, WorldFish, and ICARDA are also present in the image.
Output Mapping to CRP & Center
Project mapping (CRP, SRF, Center Strategy, SDGs)

Where in MEL do we do the mapping? (6/7)

Outcome Mapping to SRF, CRP & Center
Project mapping (CRP, SRF, Center Strategy, SDGs)

Where in MEL do we do the mapping? (7/7)

Mapping deliverable to SDG
Impact pathways & Theories of Change

Quick Tips

Documentation of our BEST understanding of how our work is likely to lead to the impacts we envision

What an Impact pathway and ToC have in common

Logically linked results chain

Activities → Outputs → Outcomes → Impact
In addition to a logically linked results chain, a theory of change comprises of:

- Assumptions (hence risks if assumptions do not hold)
- Evidence of linkages
- Change mechanisms (based on assumptions & evidence)
Impact pathways & Theories of Change

Why a ToC should be preferred to an IP

Enabler for adaptive management (activates the L in Monitoring, Evaluation & Learning’)

- Risk monitoring included as part of project M&E
- Learning agenda formulated from the critical examination of the evidence upon which the linkages are based
Logical Framework

- Basic 4*4 matrix
- Variation to 4*6 (preferred)
- Variation by donor (e.g. IFAD)
Logical Framework

Logic Models are great when you need to:
- Show someone something they can understand at a glance
- Demonstrate you have identified the basic inputs, outputs and outcomes for your work
- Summarize a complex theory into basic categories

Theories of Change are best when you need to:
- Design a complex initiative and want to have a rigorous plan for success
- Evaluate appropriate outcomes at the right time and the right sequence
- Explain why an initiative worked or did not work, and what exactly went wrong
- Develop a basis for evaluation
Introduction to Indicators

Relation to what we are more familiar with....

We are ALL familiar with indicators!!

Without indicators you & other road users are at risk!

Risk of costly traffic tickets vs. corrective action
Introduction to Indicators

Defining project/program indicators

There are multiple ways project indicators can be defined:

- A unit of information that if measured across time and space provides evidence as to the achievement of (or lack of) results, targets, and objectives.
- Objectives: 
  (To) Enhance the productivity of the aquaculture farms
- Results: 
  Increased productivity of the aquaculture farms
- Targets: 
  40 percent increase in the productivity of the aquaculture farms
Introduction to Indicators

Defining project/program indicators

There are multiple ways project indicators can be defined:

A unit of information that if measured across time and space provide evidence as to the achievement of (or lack of) results, targets, and objectives.
Key Attributes of Quality Indicators - 1/6

**Representative**

The indicator should closely relate to the result it is intended to measure.

```
| Result | Indicator(s) |
```

It is of no good having a well stated indicator that is not related or has a weak association with the result(s) it is intended to measure.

**Unbiased**

Indicators do not specify a direction of achievement. Words, improved, reduced, increased, enhance, e.t.c, do not belong in an indicator statement.

```
| Increase(d) | Reduce(d) | Enhance(d) | Decrease(d) |
```
Key Attributes of Quality Indicators - 2/6

**Precise**

There should be general agreement on the interpretation of the results.

<table>
<thead>
<tr>
<th>Result</th>
<th>Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economically vibrant and climate smart sustainable increase in fish production and productivity for food security, nutrition and income generation and livelihood improvement</td>
<td>Value addition (40% increase)</td>
</tr>
</tbody>
</table>

Is the value addition related to economic vibrancy, productivity, climate-smartness, food security, production, income?

**Representativeness:** Clearly, one indicator is not representative/comprehensive to measure the results stated. Need to create a set of complimentary indicators. But keep in mind the need to maintain a manageable number of indicators.
Key Attributes of Quality Indicators - 3/6

One-dimensional

One-dimensional: Measures only one phenomenon at a time, i.e. do not combine too much in one indicator.

Imagine if both of the above scales were combined at one end?

Percentage increase in yield, net-returns, consumption due to adoption of the improved technologies.

Responsive & Attributable

Indicator measures can be changed by program actions.

How frustrating would it be if you stood on a weighing scale, jumped.. & there is minimal or no change in the reading?
Indicators should be able to be measured repeatedly with reasonable precision by different people.
Ensure more can be explored from an aggregate value by creating lower levels that are summed, averaged,… to derive the aggregate value.

The disaggregations help determine disparities in results achievement, setting the stage for idiosyncratic corrective measures.
Key Attributes of Quality Indicators - 6/6

**Practical**

It should be feasible to collect data for computation of indicator values in a timely manner and at reasonable cost.

**Useful**

The indicator values should communicate information useful for management decision making.
Indicator Details

Documentation and scope of Information

- Indicator statement
- D.C. responsibility
- Evidence required
- Disaggregation
- Frequency of D.C.
- Method of calculation
- D. Collection methods
- Data sources
- Baseline**
- Rationale
- Target*
- Comments & limitations
- Level
- Definition
- Measurement unit

Project

- Indicators Reference Manual
- M&E Plan
- Logframe
- List

Detail
### Indicators in the MEL Platform

#### Output Indicators in MEL

<table>
<thead>
<tr>
<th>ID</th>
<th>Output</th>
<th>Type</th>
<th>Role</th>
<th>Start Date</th>
<th>End Date</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>8631</td>
<td>Aquaculture Management Practise and farmer behaviour influenced.</td>
<td>Technologies and practices</td>
<td>You don't have any responsibility</td>
<td>2016-01-03</td>
<td>2019-09-30</td>
<td>Edit, Edit OECD Relevance, Edit AR Indicator, Deliverables, WF Indicators, CRP Mapping, WF-Mapping, Delete, Admin-Edit OECD Relevance</td>
</tr>
<tr>
<td>8632</td>
<td>Impact measured and communication to policy/government level promoted.</td>
<td>Innovation Platform</td>
<td>You don't have any responsibility</td>
<td>2016-06-01</td>
<td>2019-09-30</td>
<td>Edit, Edit OECD Relevance, Partners, Deliverables, WF Indicators, CRP Mapping, WF-Mapping, Delete, Admin-Edit OECD Relevance</td>
</tr>
</tbody>
</table>

- **Output 8631**: Aquaculture Management Practise and farmer behaviour influenced. Output is missing incoming connection(s).
- **Output 8632**: Impact measured and communication to policy/government level promoted.
Indicators in the MEL Platform

Outcome Indicators in MEL
## Indicators in the MEL Platform

### Indicator Setting in MEL - 1/9

<table>
<thead>
<tr>
<th>ID</th>
<th>Name</th>
<th>Unit</th>
<th>Explanation</th>
<th>Actions</th>
</tr>
</thead>
</table>

No data available in table

Showing 0 to 0 of 0 entries

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**Add Indicator**

**Retrieve from CRP Level**

**Retrieve from Center level**
Indicators in the MEL Platform

Indicator Setting in MEL - 2/9

Retrieving from CRP Level

Mapping level:
- All
- Flagship
- Cluster
- Product
- Outcome

All records

CRP  Level  Name  Unit  Explanation

No data available in table

Showing 0 to 0 of 0 entries

Close  Add Indicators
## Indicators in the MEL Platform

(Indicator Setting)- 1/9

### Indicators

<table>
<thead>
<tr>
<th>Add Indicator</th>
<th>Retrieve from CRP Level</th>
<th>Retrieve from Center level</th>
</tr>
</thead>
</table>

- **ID**
- **Name**
- **Unit**
- **Explanation**
- **Actions**

- **Search:**
- **Records:** 10

No data available in table

Showing 0 to 0 of 0 entries

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[Image of Indicators in the MEL Platform](image)
## Indicators in the MEL Platform

### Indicator Setting in MEL - 3/9

### Retrieving from Center Level

**Mapping level:**
- All
- Flagship
- Cluster of Activities
- Activity/Product
- Outcome

<table>
<thead>
<tr>
<th>Center</th>
<th>Level</th>
<th>Name</th>
<th>Unit</th>
<th>Explanation</th>
</tr>
</thead>
</table>

No data available in table

Showing 0 to 0 of 0 entries

[Add Indicators]
Indicators in the MEL Platform
(Indicator Setting)- 1/9
Indicators in the MEL Platform

Indicator Setting in MEL- 4/9
Indicators in the MEL Platform

Indicator Setting in MEL- 5/9
Indicators in the MEL Platform

Indicator Setting in MEL - 6/9
Indicators in the MEL Platform

Indicator Setting in MEL - 7/9
Indicators in the MEL Platform

Indicator Setting in MEL - 8/9
Indicators in the MEL Platform

Indicator Setting in MEL - 9/9

Add Flagship Indicator

- Indicator name
- Unit of Measurement
- Unit Type
- Disaggregation criteria
- Unit Description
- Explanation

Related Indicators

- Link with CBH Indicator
- Link with Center Indicator
- Uploaded File
- Uploaded Template for Data Collection

Close | Save changes
Thank You