



**Sustainable Water
Integrated Management (SWIM) -
Support Mechanism**



Project funded by
the European Union

Water is too precious to waste

**M&E System Application to monitor & evaluate the Participatory Irrigation
Management (PIM) and Irrigation Management Transfer (IMT) Process**

Introduction

Activity implemented in collaboration with CIHEAM/IAM Bari



The EU-funded SWIM-SM project promotes best practices of Water Users' Associations (WUAs) in two pilot countries, Jordan and Tunisia.



The regional monitoring and evaluation (M&E) system will be implemented to enable national, regional and local authorities in the two pilot countries to examine and explore the applicability of the M&E system for WUAs

The overall objective of the M&E system is to monitor and evaluate the PIM/IMT process in order to ensure successful implementation of the PIM/IMT and efficient performance of the WUAs



What is a a Program of Monitoring & Evaluation?

Monitoring:

...is the systematic and routine collection of information from projects and programmes for four main purposes:

- To learn from experiences to improve practices and activities in the future;
- To have internal and external accountability of the resources used and the results obtained;
- To take informed decisions on the future of the initiative;
- To promote empowerment of beneficiaries of the initiative.

What is a Program of Monitoring & Evaluation?

Evaluation:

...is assessing, as systematically and objectively as possible, a completed project or programme (or a phase of an ongoing project or programme that has been completed).

- Evaluations appraise data and information that inform strategic decisions, thus improving the project or programme in the future
- Evaluations should help to draw conclusions about five main aspects of the intervention:

relevance
effectiveness
efficiency
impact
sustainability

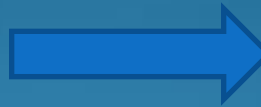
Information gathered in relation to these aspects during the monitoring process provides the basis for the evaluative analysis.

What is the purpose....?

- Improve program implementation
 - Data on program progress and implementation
 - Improve program management and decision making
- Inform future programming
- Inform stakeholders
 - Accountability (donors, beneficiaries)
 - Advocacy

Who needs, uses M&E Information?

To Improve program implementation...



- Managers

To Inform and improve future programs



- Donors
- Governments
- Technocrats

Inform stakeholders



- Donors
- Governments
- Communities
- Beneficiaries

Who conducts M&E....?

Program implementer
Stakeholders
Beneficiary
M&E Technical skills



Participatory process

M&E Questions

Monitoring questions:

- What is being done?
- By whom?
- Target population?
- When?
- How much?
- How often?
- Additional outputs?
- Resources used? (Staff, funds, materials, etc.)



M&E Questions

Evaluation Questions?

- Is the content of the intervention or the activity being delivered as planned?
- Does the content of the intervention or the activity reflect the requisite standards?
- Have the intervention achieved the expected results?



What do we need to answer these questions...?

INDICATORS and VARIABLE

...to take measurements.

Type and Level of Each Indicator

Type

Input Data (Logic-Numerical-Qualitative) (Monitoring)

Output / Outcome (Evaluation)

Level

National level – Regional level – Local level

How Is a Good Indicator?

Valid: Measures the effect it is supposed to measure

Reliable: Gives same result if measured in the same way

Precise: Is operationally defined so people are clear about what they are measuring

Timely: Can be measured at an interval that is appropriate to the level of change expected

Comparable: Can be compared across different target groups or project approaches

CODE	SCFP	SCFP	SCFP	SCZSP	SCISP	SCOSP
A01010	=1		=0	=1		=0
A02010N	=1		=0	=1		=0
A02020N	=2	=1	=0	=2	=1	=0
A02030N	=1		=0	=1		=0
A03010	=1		=0	=1		=0
M03020N	>=100	>=90 and <100	<90	>=100	>=90 and <100	<90
M03040N	>=100	>=90 and <100	<90	>=100	>=90 and <100	<90
M03050N	>=100	>=90 and <100	<90	>=100	>=90 and <100	<90
A03061	>=1000	<1000 and >=500	<500	>=1000	<1000 and >=500	<500
A04010	=1		=0	=1		=0
A04011	=1		=0	=1		=0
A04012	=1		=0	=1		=0
A04013	=0	=1	=0	=1	=0	=1
A04014	=1		=0	=1		=0
A04015	=1		=0	=1		=0
A04016	=1		=0	=1		=0
A04021	=1		=0	=1		=0
A04022	=1		=0	=1		=0
A04023	=1		=0	=1		=0
A04024	=1		=0	=1		=0
A05010	=1		=0	=1		=0
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A05030	=1		=0	=1		=0
A05040	=1		=0	=1		=0
A05050	=1		=0	=1		=0
A05060	=1		=0	=1		=0
A05070	=1		=0	=1		=0
M05080N	<90	>=90 and <100	>=100	<90	>=90 and <100	>=100
A05100	=1		=0	=1		=0
A05110	=1		=0	=1		=0
A05120	=1		=0	=1		=0
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N01020	>=80	>=60 and <80	<60	>=80	>=60 and <80	<60
N01030	>=80	>=60 and <80	<60	>=80	>=60 and <80	<60
N01040	>100	=100	<100	>100	=100	<100
N01050	>100	=100	<100	>100	=100	<100
N01060	>100	=100	<100	>100	=100	<100
B02010	=1		=0	=1		=0
B02020	=1		=0	=1		=0
B02030	=1		=0	=1		=0
N02040	>=90	>=70 and <90	<70	>=90	>=70 and <90	<70
B02050	=1		=0	=1		=0
N02060	>=90	>=70 and <90	<70	>=90	>=70 and <90	<70
B02070	=1		=0	=1		=0
B02080	=1		=0	=1		=0
B02090	=1		=0	=1		=0
B03010	=1		=0	=1		=0
B03020	=1		=0	=1		=0
N03022	>=2	>=1 and <2	<1	>=2	>=1 and <2	<1
N03030	>=90	>=80 and <90	<80	>=90	>=80 and <90	<80
N03040				>=10	>=5 and <10	<5
N03050				>=1.5	>=0.5 and <1.5	<0.5
B04010N	=1		=0	=1		=0
B04020N	=1		=0	=1		=0
N04030	>=90	>=70 and <90	<70	>=90	>=70 and <90	<70
N04040				>=5	>=2 and <5	<2
N04050				>=50	>=70 and <90	<70
B04060N	=1		=0	=1		=0
B05010	=1		=0	=1		=0
B05020N	=1		=0	=1		=0
N05030	>=90	>=75 and <90	<75	>=90	>=75 and <90	<75
N05040				=2	=2	<2
N05050	>=90	>=75 and <90	<75	>=90	>=75 and <90	<75
N05060				>=90	>=75 and <90	<75
B05070	=1		=0	=1		=0
B06010	=1		=0	=1		=0
B06020	=1		=0	=1		=0
N06030	>=90	>=70 and <90	<70	>=90	>=70 and <90	<70
N06040	>=90	>=70 and <90	<70	>=90	>=70 and <90	<70
N07010	>=80	>=50 and <80	<50	>=80	>=50 and <80	<50
N07020	>=80	>=50 and <80	<50	>=80	>=50 and <80	<50
B08010	=1		=0	=1		=0
B08020N	=1		=0	=1		=0
N08030	>=90	>=75 and <90	<75	>=90	>=75 and <90	<75
B08040N	=1		=0	=1		=0
B09010	=1		=0	=1		=0
N09020	>=90	>=50 and <90	<50	>=90	>=50 and <90	<50
N09030N	=1		=0	=1		=0

How to carry out M&E...?

Key Features

1. **Program Framework**: Systematic approach of the elements of the program and the path that shows what the program expects to achieve
2. Identify **key elements** to monitor and evaluate.
3. Determine and describe the **measures** to be used for monitoring and evaluation
4. Develop **M&E Framework and action plans**, including data collection and analysis, reporting and dissemination of findings.