

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

Introduction



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 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

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CODE	SC2FP	SC1FP	SCOFP	SC2SP	SC1SP	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
A03063	>=1000	<1000 and >=500	<500	>=1000	<1000 and >=500	<500
A04010	=1		=0	=1		=0
A04011 A04012	=1		=0	=1		=0
A04012 A04013	=1			=0		=0
A04013	=1		=1			=0
A04014 A04015	=1		=0	=1		=0
A04016	=1		=0	=1		=0
A04021	=1		=0	=1		=0
A04021	=1		=0	=1		=0
A04023	=1		=0	=1		=0
A04024	=1		=0	=1		=0
			=0			=0
A05010 A05020	=1		=0	=1		=0
A05020	=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
N01010	>=80	>=60 and <80	<60	>=80	>=60 and <80	<60
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 <5
N03040				>=10	>=5 and <10	
N03050	-1		- 0	>=1.5	>=0,5 and <1.5	<0.5
B04010N B04020N	=1		=0	=1		=0
N04030	>=90	>=70 and <90	<70	>=90	>=70 and <90	<70
N04040	×=30	>=/0 anu >30	1/0	>=3	>=70 and <90 >=2 and <3	0</th
N04050				>=90	>=70 and <90	<70
B04060N	-1		=0	=1	2-70 Bild 530	=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
B09030N	=1		=0	=1		=0

The proposed system

The proposed system consists of four modules as per the objectives listed below:

Module A: assesses the degree of political commitment towards PIM/IMT;

Module B: assesses the performance in the implementation of PIM/IMT;

Module C: assesses institutional, financial and technical performance of WUAs;

Module D: assesses the impact of WUAs establishment.

Each module consists of a set of outcomes and outputs for the specific PIM/IMT. For each outcome, a set of outputs is proposed, together with the indicators which correspond to the main elements that are proposed to be monitored and evaluated

THE COMMON PROPERTY OF THE PARTY OF THE PART	SUBJECT OF REQUEST	6 1	TYPE OF AGGREGATION LEVEL OF APPLICABILITY	REVISER	TYPE OF INPUT	FREQUENCY	GRAPHICS & REPORT	CODE	Acronyms for numerical indicators	Extended definition	Short definition (report)	ОИТРИТ (report)	OUTCOME (report)
	¥ ¥	*	Ψ.	· ·	۳	*	۳	Ψ.	Ψ.	·			
A	1												
,	N		N		IL	12		A01010		Esistence of a government statement declaring the PIM/IMT program a national priority. *A government statement about PIM/IMT is a formal document where the objectives and justification of the programme are described but also other information regarding the scope and the policities to be implemented.	Existence of a government statement declaring the PIM/IMT program a national priority	A government statement declaring the PIM/IMT program a national priority is available	The implementation of the PIM/IMT program is supported politically
Α	2												
,	N		NF	R	IL	36		A02010N		Accordination mechanism has been established **Coordination Meniam marks to an established **Coordination Meniam marks to an established state up i.a. steering committee , working group, special commission, task force, etc., where the concerned governmental stateholders share information and propose actions regarding the PIM/MT process. The steering committee may consist offer example the Irrigation agency, the Ministry of Finance, the implicated Donors indeeds, and the Cooperative Ministry, are you Ministry repossible for registering the VIV.A. expends, and the Cooperative Ministry of the Ministry repossible for registering the VIV.A. expends, and the Cooperative Ministry repossible for registering the VIV.A. expends on the Ministry of the Ministry repossible for registering the VIV.A. expends on the Ministry of Ministry repossible for registering the VIV.A. expends on the Ministry of Ministry repossible for registering the VIV.A. expends on the Ministry of Ministry repossible for registering the VIV.A. expends on the Ministry of Ministry repossible for registering the VIV.A. expends on the Ministry of Ministry repossible for registering the VIV.A. expenses of the Ministry of Ministry repossible for registering the VIV.A. expenses of the Ministry of Ministry repossible for registering the VIV.A. expenses of the Ministry of Ministry repossible for registering the VIV.A. expenses of the Ministry of Ministry repossible for registering the VIV.A. expenses of the Ministry of Ministry repossible for registering the VIV.A. expenses of the Ministry of Minis			The PIM/IMT program has been institutionalized for the planning and implementation phases
	R	N	C NF	R	IL	36		A02010R		A coordination Mechanism has been established **A Coordination Mechanism flars to an injustificational set up i.e. steering committee , working group, special commission, task force, etc., where the concerned governmental statisholders have information and propose actions regarding the FIM/MIT process. The steering committee may consist offer example the irrigation agency, the Ministry of Finance, the immigrated Donors freeds, and the Cooperant Ministry, are my Ministry repossible for registering the MUA_E or processing the control of the steering the Ministry of Processing Committee or processing Processing Committee			
,	N		NF	R	ıα	12		A02020N		Degree of effectiveness of coordination among the institutions participating in PIM/IMT program. "Coordination is effective when all participating institutions carry out their responsibilities as a greed in the Coordination Mechanism."	Degree of effectiveness of coordination among the institutions participating in PIM/IMT program		
	R	N	C NF	R	IQ	12		A02020R		Degree of effectiveness of coordination among the institutions participating in PIM/IMT program. "Coordination is effective when all participating institutions carry out their responsibilities as a greed in the Coordination Machanism."	Degree of effectiveness of coordination among the institutions participating in PIM/IMT program		
4	N		NE	R	IL	36		A02030N		Roles and responsibilities of the actors involved are clearly defined with respect to PIM/IMT. "Clear roles and responsibilities of the actors refer to clear documentation of the roles and responsibilities of all the members of the Coordination Mechanisms who also know their responsibilities and actions to be taken.	respect to PIM/IMT		
	R	N	C NF	R	IL	36		A02030R		Roles and responsibilities of the actors involved are clearly defined with respect to PIM/IMT. "Clear roles and responsibilities of the actors refer to clear documentation of the roles and responsibilities of all the members of the Coordination Mechanisms who also know their responsibilities and actions to be taken.	Roles and responsibilities of the actors involved are clearly defined with respect to PIM/IMT		
Α	3												

How to carry out M&E...? Key Features

- 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.
- 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.