



Sustainable Water  
Integrated Management (SWIM) -  
Support Mechanism



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*Water is too precious to waste*

**M&E System Application To Monitor & Evaluate the  
Participatory Irrigation Management (PIM) and Irrigation  
Management Transfer (IMT) Process**

***3.1 Info Data and interconnectivity with the M&E application***

***This activity is implemented in collaboration with CIHEAM IAM Bari***

# Sustainable Water Integrated Management (SWIM)

## Support Mechanism

### M&E SYSTEM APPLICATION TO MONITOR & EVALUATE PIM AND IMT PROCESS

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

Output/Outcome Module	LEVEL OF AGGREGATION	TYPE OF AGGREGATION	LEVEL OF APPLICABILITY	REVISER	TYPE OF INPUT	FREQUENCY	GRAPHICS & REPORT	CODE	Acronyms for numerical indicators	Extended definition	Short definition (report)	OUTPUT (report)	OUTCOME (report)
A.1													
A	N		N		IL	12		A01010		Evidence 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 policies to be implemented"	Evidence 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
A.2													
A	N		NR		IL	36		A02010N		A coordination mechanism has been established "A Coordination Mechanism refers to any institutional set up (i.e. steering committee, working group, special commission, task force, etc.) where the concerned governmental stakeholders share information and propose actions regarding the PIM/IMT process. The steering committee may consist of for example the irrigation agency, the Ministry of Finance, the implicated Donors if needed, and the Cooperative Ministry, or any Ministry responsible for representing the WUA, etc."	A coordination mechanism has been established		
	R	N	C	NR	IL	36		A02010R		A coordination mechanism has been established "A Coordination Mechanism refers to any institutional set up (i.e. steering committee, working group, special commission, task force, etc.) where the concerned governmental stakeholders share information and propose actions regarding the PIM/IMT process. The steering committee may consist of for example the irrigation agency, the Ministry of Finance, the implicated Donors if needed, and the Cooperative Ministry, or any Ministry responsible for representing the WUA, etc."	A coordination mechanism has been established		
A	N		NR		IC	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 agreed in the Coordination Mechanism."	Degree of effectiveness of coordination among the institutions participating in PIM/IMT program	A coordination mechanism is in place	The PIM/IMT program has been institutionalized for the planning and implementation phases
	R	N	C	NR	IC	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 agreed in the Coordination Mechanism."	Degree of effectiveness of coordination among the institutions participating in PIM/IMT program		
A	N		NR		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 show their responsibilities and actions to be taken"	Roles and responsibilities of the actors involved are clearly defined with respect to PIM/IMT		
	R	N	C	NR	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 show their responsibilities and actions to be taken"	Roles and responsibilities of the actors involved are clearly defined with respect to PIM/IMT		
A.3													

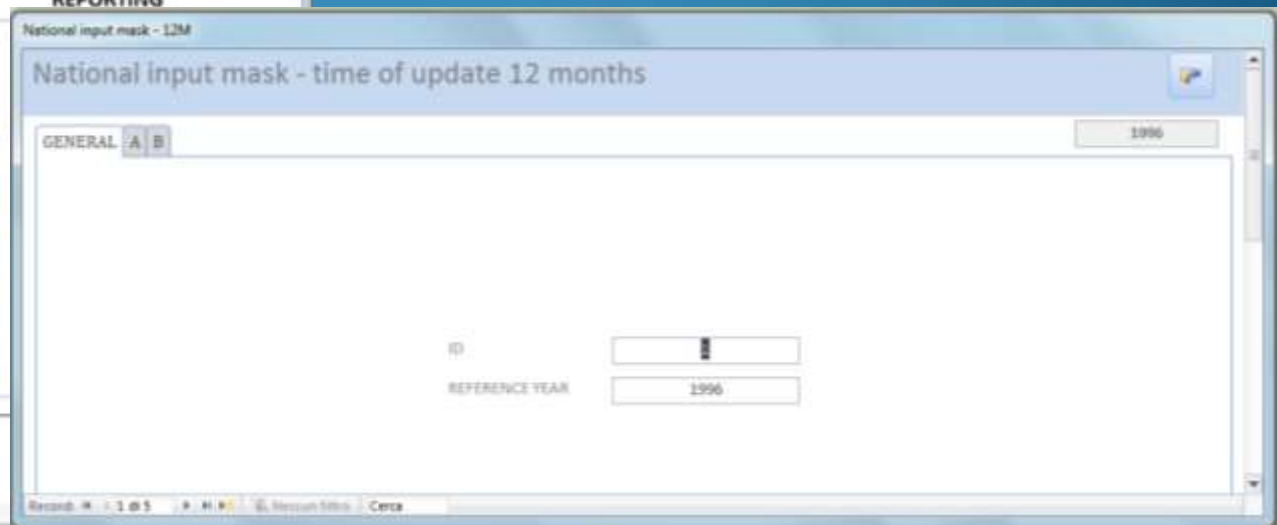
# Sustainable Water Integrated Management (SWIM) Support Mechanism

M&E SYSTEM APPLICATION TO MONITOR & EVALUATE PIM AND IMT PROCESS

The system is clearly divided into two parts that can be handled separately



Part 1 concerns modules A and B. Both modules are envisaged to be owned by the relevant irrigation agency which is responsible for the implementation of the PIM/IMT process in the country, and the irrigation agency's representations (offices) at the local and regional level.



# Sustainable Water Integrated Management (SWIM)

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M&E SYSTEM APPLICATION TO MONITOR & EVALUATE PIM AND IMT PROCESS

### Data interconnectivity

Part 2 concerns modules C and D: Modules C & D are particularly relevant to the Water Users Associations. The system allow the aggregation of the indicators for all the WUAs at the local, regional and national level.

For each Part (1 and 2), the system produce a set of tables grouping the indicators within each module according to the 4 established categories: “Logical (y/n)”, “Information data”, “Qualitative” and “Numerical”

Category	Module	Subject of Request	Level of Aggregation	Type of Aggregation	Level of Applicability	Entity	Type of Input	Frequency	Graphics & Report	Code	Acronym for numerical indicators	Unit	Formula	Pre-Conditional requirement	Score (First 3 Years)	Score (First 5 Years)	Score (First 10 Years)	Score (After 3 Years)	Score (After 5 Years)	Score (After 10 Years)
U	N	S	NR	CA	12					A0302R	ABCumulative	currency	A0302P/A0302R							
A	U		NR	CA	12					M0303D	AD to Area R	\$/ha	A0303P/A0303D		>=500	>=200 A <=500	<200	>=500	>=200 A <=500	<200
U	N	A	NR	CA	12					M0303R	AD to Area R	\$/ha	A0303P/M0303R							
A	U		NR	CA	12					M0303I	AD to Area R	DN\$/ha	A0303P/A0303I		>=75 A <=125	>=60 A <75	<40 A >125	>=75 A <=125	>=40 A <75	<40 A >125
U	N	A	NR	CA	12					M0303B	AD to Area R	DN\$/ha	A0303P/M0303B							
A	N		NR	IR	12					A0304I	THI	no. of people								
R	N	S	NR	IR	12					A0304R	THI	no. of people								
A	U		NR	CA	12	GA0302	M0304D	03-04	M	B	R	%	(A0304P/A0304D)*100		>=100	>=90 A <100	<90	>=100	>=90 A <100	<90
U	N	A	NR	CA	12	GA0302	M0304R	03-04	M	B	R	%	(A0304P/A0304R)*100							
A	N		NR	IR	12		A0305I	03-05	A	1	R	currency/year	A0305P							
R	N	S	NR	IR	12		A0305R	03-05	A	1	R	currency/year	A0305P							
A	U		NR	CA	12	GA0303	M0305D	03-05	M	B	R	%	(A0305P/A0305D)*100		>=100	>=90 A <100	<90	>=100	>=90 A <100	<90