



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

2.1 Info Data and interconnectivity with the M&E application

Activity implemented in collaboration with CIHEAM/IAM Bari



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.

The screenshot displays the MONEVAS web application interface. At the top, there is a header with the European Union flag, the text "Sustainable Water Integrated Management Support Mechanism SWIM - SM Project funded by the EU", the CIHEAM IAM Bari logo, and the MONEVAS logo with the text "MONitoring & EVALuation System". Below the header, a login field shows the name "Marco". A navigation bar contains tabs for "GENERAL SETTINGS", "MONITORING" (which is active), "EVALUATION", "REPORTING", and "UTILITY & TOOLS". On the left side, there is a vertical menu with six items: "National (12 months step)", "National (36 months step)", "National (once at M&E start)", "Regional (12 months step)", "Regional (36 months step)", and "Regional (once at M&E start)". The main content area is titled "YEAR RELATIVE TO THE DATA YOU ARE ENTERING" and shows the year "1998". Below this, there are three data entry sections: 1. A01010: "Existence of a government statement declaring the PIM/IMT program a national priority." with a "yes" checkbox checked. 2. A02020N: "Degree of effectiveness of coordination among the institutions participating in PIM/IMT program." with a text area containing the text: "Coordination is effective when all participating institutions carry out their responsibilities as agreed in the Coordination Mechanism." 3. A03021N: "Annual amount of money allocated by the irrigation agency and cooperating institutions (including donors) for the planning and implementation of the PIM/IMT during last" with a text area containing "10000" and a unit dropdown set to "currency/year". At the bottom, there is a record navigation bar showing "Record: 1 di 1" and a search field with the text "Cerca".

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

output/outcome	MODULE	SUBJECT OF REQUEST	LEVEL OF AGGREGATION	TYPE OF AGGREGATION	LEVEL OF APPLICABILITY	REVISER	TYPE OF INPUT	FREQUENCY	GRAPHICS & REPORT	CODE	1	2	3	4	Acronyms for numerical indicators	UNIT	FORMULA	Pre-Conditional requirement	score (FIRST 10 YEARS): 2	score (FIRST 10 YEARS): 1	score (FIRST 10 YEARS): 0	score (AFTER 10 YEARS): 2	score (AFTER 10 YEARS): 1	score (AFTER 10 YEARS): 0	
		U	N	S	NR	CA	12			A03032R	03	03	A	2	R	ABCumulative	currency	A03031R+A03021R							
A	U				NR	CA	12			M03030N	03	03	M	0	N	AB to Area N	S/Ha	A03032N/ΣB01022		>=500	>=200 ∧ <=500	<200	>=500	>=200 ∧ <=500	<200
	U	N	A		NR	CA	12			M03030R	03	03	M	0	R	AB to Area R	S/Ha	A03032R/B01022							
A	U				NR	CA	12			M03031N	03	03	M	1	N	AB to Area N	DNT/Ha	A03032N/ΣB01022		>=75 ∧ <=125	>=40 ∧ <75	<40 ∧ >125	>=75 ∧ <=125	>=40 ∧ <75	<40 ∧ >125
	U	N	A		NR	CA	12			M03031R	03	03	M	1	R	AB to Area R	DNT/Ha	A03032R/B01022							
A	N				NR	IN	12			A03041N	03	04	A	1	N	THR1n	no. of people								
	R	N	S		NR	IN	12			A03041R	03	04	A	1	R	THR1r	no. of people								
A	U				NR	CA	12	GA0302		M03040N	03	04	M	0	N	THRn	%	(A03041N/A03041N(-1y))*100		>=100	>=90 ∧ <100	<90	>=100	>=90 ∧ <100	<90
	U	N	A		NR	CA	12	GA0302		M03040R	03	04	M	0	R	THRr	%	(ΣA03041R/A03041R(-1y))*100							
A	N				NR	IN	12			A03051N	03	05	A	1	N	AFAR1n	currency/year								
	R	N	S		NR	IN	12			A03051R	03	05	A	1	R	AFAR1r	currency/year								
A	U				NR	CA	12	GA0303		M03050N	03	05	M	0	N	AFARn	%	(A03051N/A03051N(-1y))*100		>=100	>=90 ∧ <100	<90	>=100	>=90 ∧ <100	<90