



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

1.5 Communication among levels: Data processing and Reporting

Activity implemented in collaboration with CIHEAM/IAM Bari

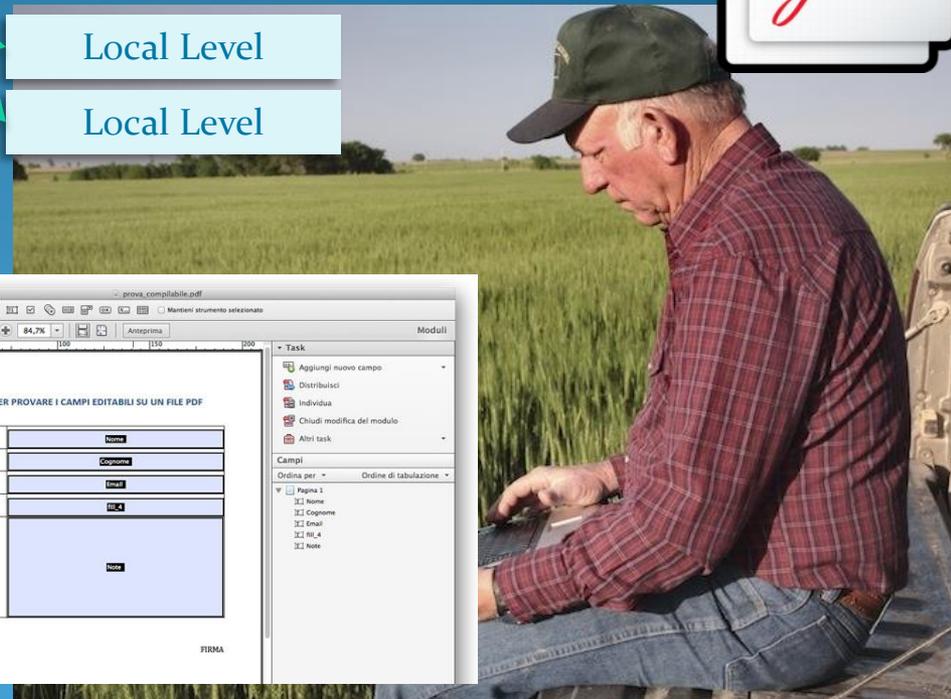
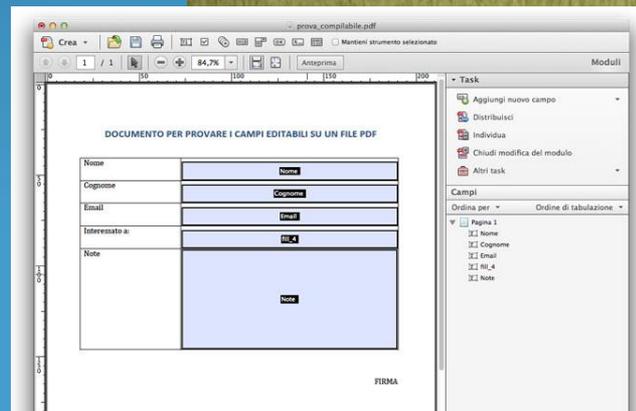


Data flows between local and regional level

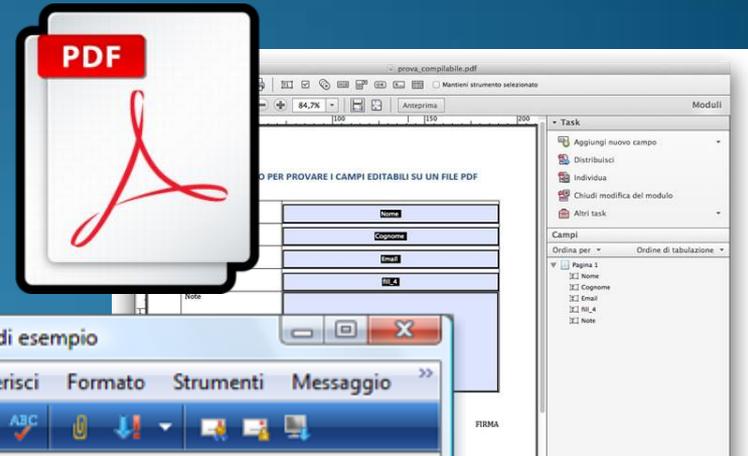
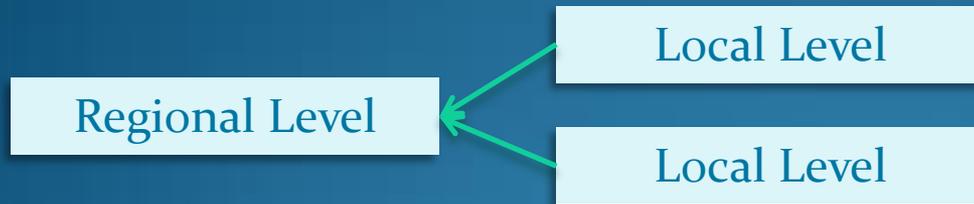
The hierarchical approach ensures the coherence of the system.



The WUAs operators have just to fill out a simple PDF form that generates a document to be transmitted to the hierarchically higher level for the implementation of the database.

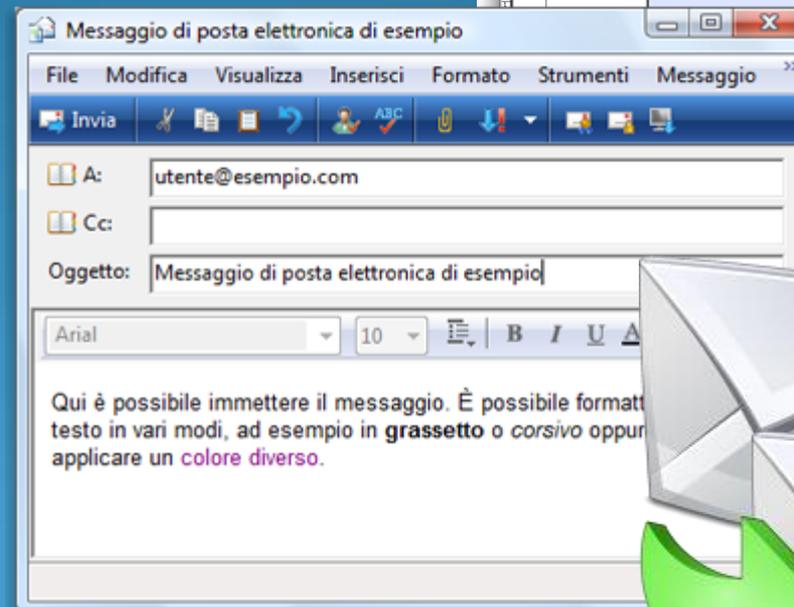


Export data at the local level is done through a wizard inside the PDF file



That wizard inside the PDF file generates a file that has the name and characteristics of the local unit to which it belongs, and must be sent as it is to the unit of higher hierarchical level.

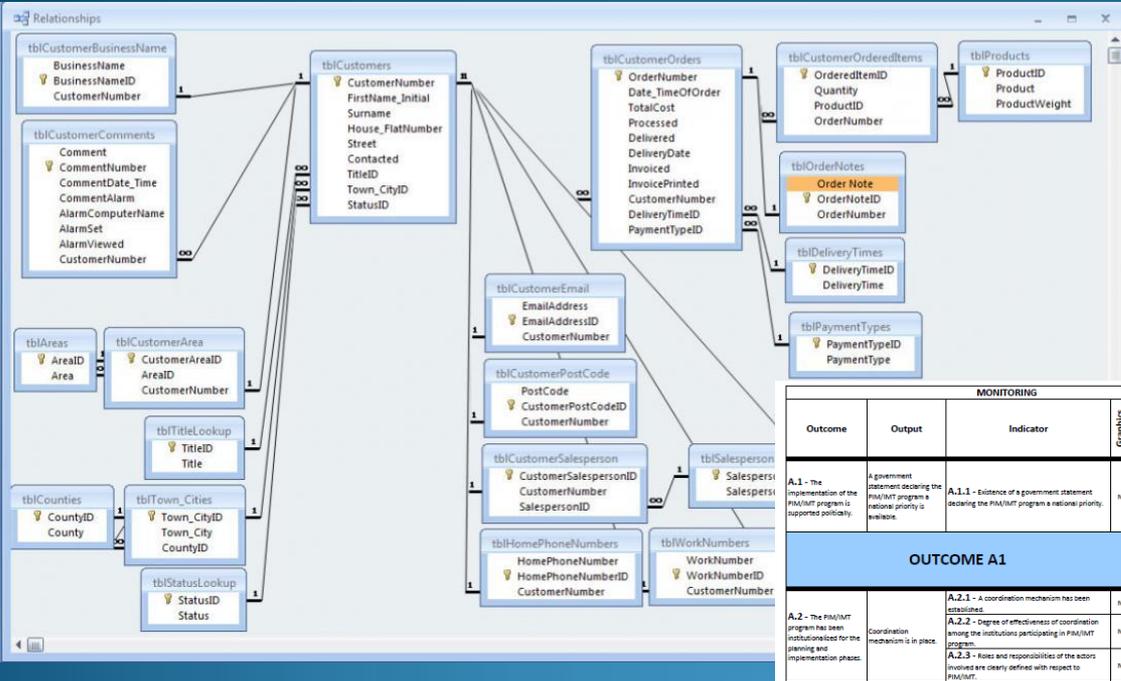
Communication is via e-mail by sending the file generated by the local units, which will be included in the regional system database using a wizard



At the regional level, once you have gained access to the system, you can import the files from the local units of belonging and populate the database, by selecting the option “DATA RETRIEVE”

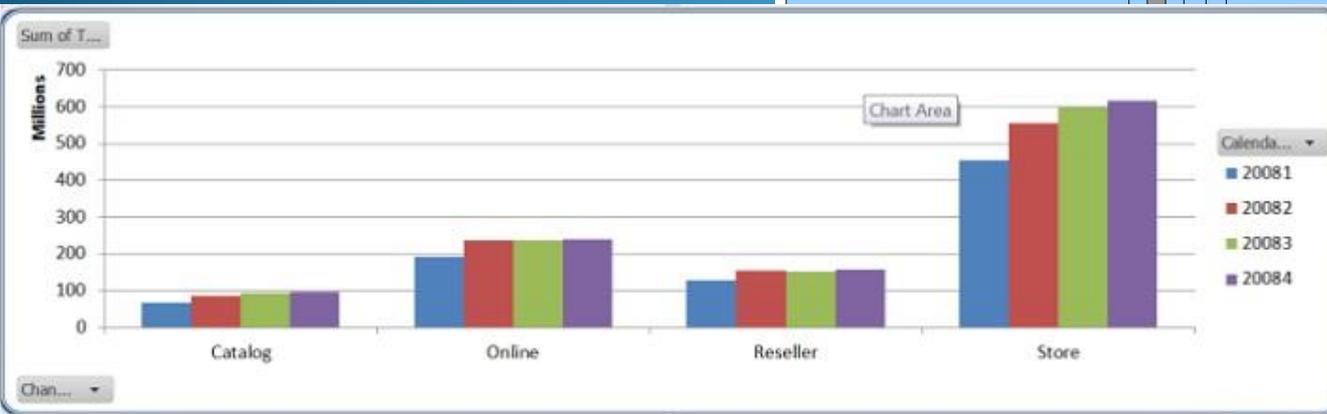
Once you acquired the files of a determined local unit, you cannot import another file from the same unit, otherwise it would create duplication of data, which makes the structure and outcomes unreliable

The image shows a screenshot of the MONEEVAS main menu and a file import dialog box. The main menu is titled "MONEEVAS MAIN MENU" and features a "Regional administrator" header with "LOGOUT" and "QUIT PROGRAM" buttons. Logos for the European Union, LDK CONSULTANTS, and CIHEAM IAM BARI are displayed. The central text reads "MONEEVAS MONitoring & EVALuation System". Below this is the "PROGRAM SUB-SECTION" menu with three main categories: "GENERAL SETTINGS", "DATA UPDATE", and "REPORTING". Under "DATA UPDATE", there are "TIMESSET" options (12, 36, 72) and buttons for "ONCE IN THE PIM/IMT LIFE AT THE START", "ONCE IN THE PIM/IMT LIFE AT THE END", "DATA RETRIEVE", "INDICATOR GRAPH AND EXPORT", and "VARIOUS". A yellow arrow points to the "DATA RETRIEVE" button. The "REPORTING" section also has similar "TIMESSET" and "ONCE IN THE PIM/IMT LIFE AT THE END" options, along with "INDICATOR GRAPH AND EXPORT" and "VARIOUS". At the bottom right, there are "Help", "QUIT PROGRAM", and "LOGOUT" buttons. The file import dialog box, titled "Select file the file to import", shows a file explorer view of the H:\ drive with a list of files including "76505f3306e3ad2a36cae5e8019ceb", "A.S. Bari", "Adobe", "ArcGIS", "Ashampoo Burning Studio FREE", "attestato inglese ed informatica Italia lav...", "Autodesk", "BancoPosta", "Biblioteca di calibre", "BIMBY", and "BlackBerry". The "Nome file:" field contains "Z_ANCRDA".



The system structure at the regional level contains relations and processes that integrate the data and make them viewable through reports and graphs

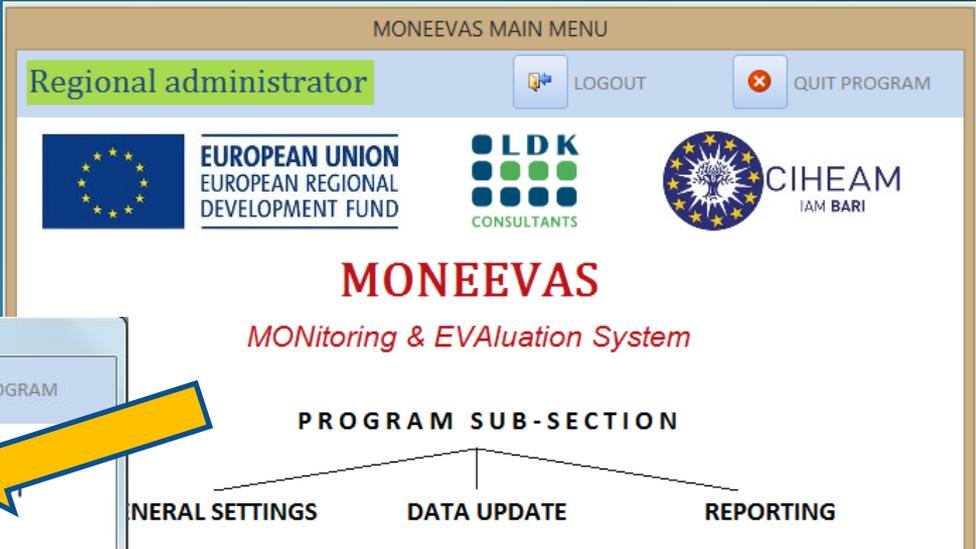
MONITORING						EVALUATION		
Outcome	Output	Indicator	Graphics	Score system (point)	Total	Max score	Evaluation	Comments
A.1 - the implementation of the PMA/MT program is supported politically.	A government statement declaring the PMA/MT program a national priority is available.	A.1.1 - Existence of a government statement declaring the PMA/MT program a national priority.	Y	2	1	0	Score 2 means the activity has been carried out and the output achieved. Score 0 means the output has not been achieved.	The fact that government made explicit their support to the PMA Program is a positive good practice but its absence does not mean necessarily that the PMA program is not supported. Therefore the score "0" means only that the government does not want to make explicit its policy although still it may support the PMA program.
OUTCOME A1						2		
A.2 - The PMA/MT program has been institutionalised for the planning and implementation phases.	Coordination mechanism is in place.	A.2.1 - A coordination mechanism has been established. A.2.2 - Degree of effectiveness of coordination among the institutions participating in PMA/MT program. A.2.3 - Roles and responsibilities of the actors involved are clearly defined with respect to PMA/MT.	Y	4			Score 4 means inputs from different government agencies are properly coordinated, while no cost and time of command is unique. Score between 4 and 2 indicates deficiencies in the coordination and it will be necessary to look to the specific indicators to identify where the deficiencies are. Score 0 means that the coordination is inefficient.	



the indicator value is 2 the output has been achieved; if the value is 0 the output has not been achieved.	
a proposed scoring system for indicators A.3.2 and A.3.3 is related to the age of the PMA/MT process. An annual decreasing trend in the allocation of financial and human resources is possible after 5-10 years of the PMA/MT program, since the more work is transferred the less governmental resources should be allocated. However this may not be true in all cases since during the initial years, the government may maintain the sources constant or even increase them. For this reason it is important to look at the indicator during a period of at least 7 to 10 years to have a more proper evaluation. The pricing system may be modified according to local experience.	
score of 0 points means that the annual budget with the human resources is allocated according to the needs of the PMA/MT program. Lower points indicated that the trend is not as expected and reasons should be investigated.	
indicator A.3.4 tries to verify the continuity of funds for rehabilitation works in the preferred areas. A score between 2 and 4 indicates that the budget allocated is maintained within resource limits but a 0 indicates an abrupt decline that should be avoided. In some countries the PMA/MT process could be slow, and the budget increase get continued beyond 5 years. It is therefore important to read the trends based on the specific country's PMA program lifetime.	The rehabilitation needs may have a growing trend at the beginning but after few years (5-10), the trend should be decreasing. As we know this area transferred every year, we can also calculate the cost per ha of the rehabilitation and assess the trend.

Exporting Data from Regional to National level

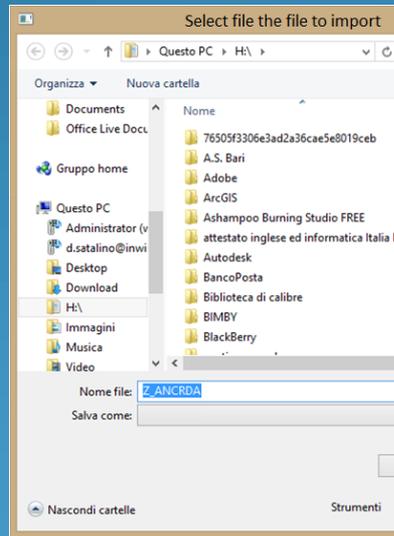
Once you have finished entering data at the regional level, as in the case of the local procedure, the software installed at the regional level will export a file using a wizard

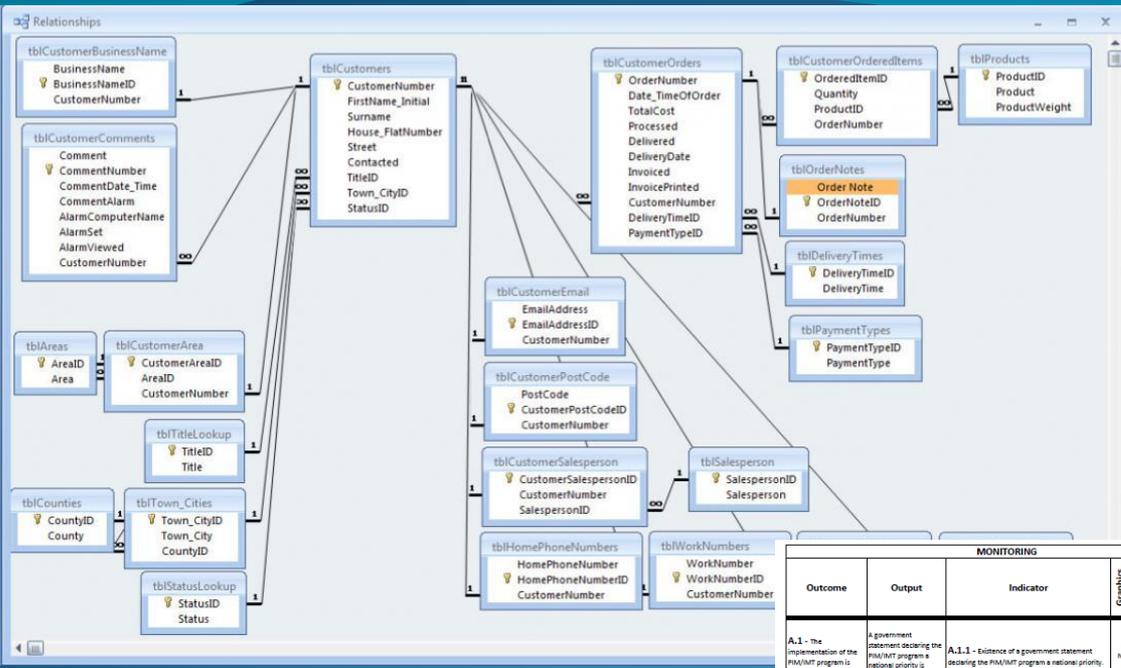


The file that will be created by the wizard is not editable, and this applies to the name, the extension and the contents

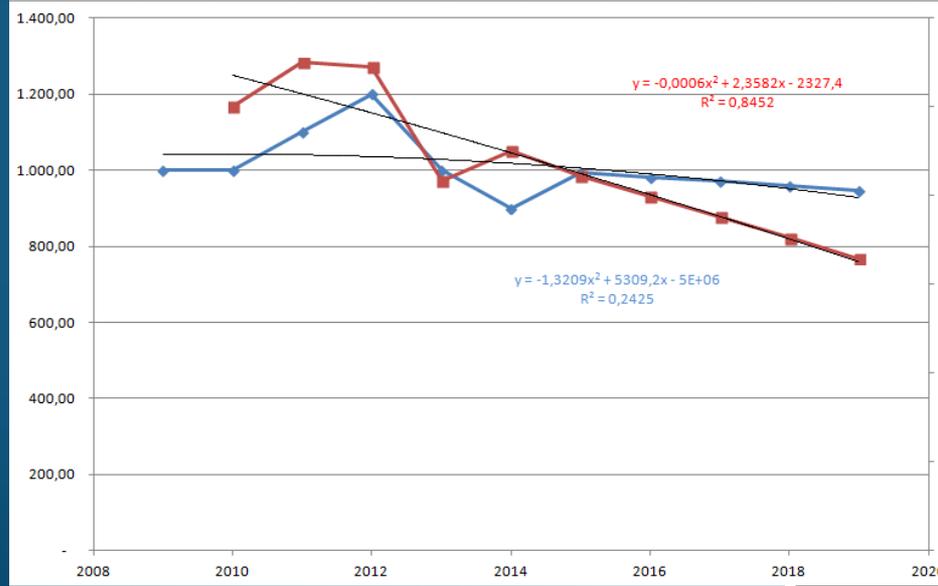
At the national level, once you have gained access to the system, you can import the files of the local units by selecting the option “DATA RETRIEVE”

Once you acquired the files from a regional unit, you cannot import another file from the same unit, otherwise it would create duplication of data, which makes the structure and outcomes unreliable





The system structure at the national level contains relations and processes that integrate the data and make them viewable through reports and graphs



MONITORING						EVALUATION		
Outcome	Output	Indicator	Graphics	Score system (point)	Total	Max score	Evaluation	Comments
A.1 - the implementation of the PMA/MT program is becoming a national priority	A government statement declaring the PMA/MT program a national priority	A.1.1 - Evidance of a government statement declaring the PMA/MT program a national priority.	Y	2 1 0			Score 2 means the activity has been carried out and the output achieved. Score 0 means the output has not been achieved.	The fact that government made explicit their support to the PMA Program is a positive good practice but its absence does not mean necessarily that the PMA program is not supported. Therefore the score "0" means only that the government does not want to make explicit its policy although still it may support the PMA program.
E A1						2		
	- A coordination mechanism has been set.		N					
	- Degree of effectiveness of coordination in institutions participating in PMA/MT		N				Score 4 means inputs from different government agencies are properly coordinated, into one clear and line of command is unique. Score between 4 and 2 indicates deficiencies in the coordination and it will be necessary to look to the specific indicators to identify where the deficiencies are. Score 0 means that the coordination is inefficient.	
E A2						6		
	- Roles and responsibilities of the actors are clearly defined with respect to		N					
	- A national PMA/MT plan with financial and resources allocated		N				If the indicator value is 2 the output has been achieved. If the value is 0 the output has not been achieved.	
	[AB] - Percentage of the annual budget to the irrigation agency for the PMA/MT with respect to the budget two years ago		Y				The proposed scoring system for indicators A.3.2 and A. 3. 3 is related to the age of the PMA/MT process. An annual decreasing trend in the allocation of financial and human resources is possible after 5-10 years of the PMA/MT program, since the more work is transferred the less governmental resources should be allocated. However this may not be true in all cases since during the initial years, the government may maintain the resources, constant or even increase them. For this reason it is important to look at the trend during a period of at least 3 to 10 years to have a more proper evaluation. The scoring system may be modified according to local experience.	
	[THR] - Percentage of the total human resources allocated by the irrigation agency to the programme in last year with respect to 3 ago.		Y				A score of 6 points means that the annual budget with the human resources is allocated according to the needs of the PMA/MT program. Lower points indicated that the trend is not as expected and reasons should be investigated.	
OUTPUT A3.1						6		
	[AFAR] - Percentage of the annual allocation for the rehabilitation (AFAR) or years of transferred irrigation systems last respect to 3 years ago.		Y				indicator A.3.4 tries to verify the continuity of funds for rehabilitation works in the transferred areas. A score between 2 and 4 indicates that the budget allocated is maintained within resource limits but a 0 indicates an abrupt decline that should be clarified. In some countries the PMA/MT process could be slow, and the budget increase might continue beyond 3 years. It is therefore important to read the trends based on the specific country's PMA program lifetime.	The rehabilitation needs may have a growing trend at the beginning but after few years (3-10), the trend should be decreasing. As we know this area transferred every year, we can also calculate the cost per ha of the rehabilitation and assess the trend.
OUTPUT A3.2						2		
E A3						8		