

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

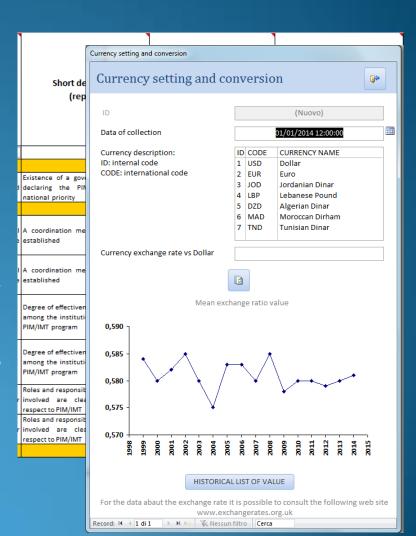
3.2 M&E per outcome



Organization into outputs

The section containing the numerical indicators includes all the variables needed for the calculation of the indicator. This set of tables is used in the field to collect the required data. The tables have internal validation capability in case that responses are not framed within the expected answer.

The system is capable of processing the information collected in the field and produce a complete list of the values of the indicators grouped by outcomes and outputs. For those "Numerical Indicators" or "Information Data" or variables where data may be available for several years the system should be able to generate graphs with trends.

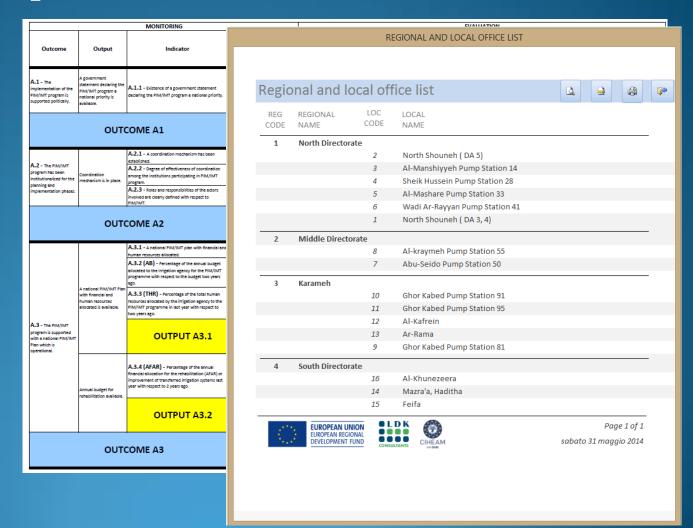


Indicators per output

The system is able to make an evaluation of the results obtained for the indicators according to established criteria.

The evaluations at the level of indicator are aggregated at the level of output and outcome.

The reports illustrate the outputs and results after the appropriate calculation procedures carried out by the information system.



Typology of requested input: Logical, Numerical and calculated

Type of input

The information that we want to acquire can be stored in different ways according to its nature, 4 type of input are considered:

<u>IL</u>: for logic input, normally an answer to a specific question (Yes or No);

<u>IN</u>: for numeric input (No. of people, a money value, areal measure, etc.)

IQ: for qualitative-coded input (normally a valuation question precompiled)

CA: for calculation, the field with this specifics, auto determinate their value through the use of a formula

output/outcome MODULE	SUBJECT OF REQUEST	LEVEL OF AGGREGATION	TYPE OF AGGREGATION	LEVEL OF APPLICABILITY	REVISER	TYPE OF INPUT	FREQUENCY	GRAPHICS & REPORT	CODE	Acronyms for numerical indicators
▼	\7	•	•	•	•	\7	\7	•	•	•
Α	N			N		IL	12		A01010	
Α	N			NR		H	36		A02010N	
	R	N	С	NR		F	36		A02010R	
A	N			NR		IQ	12		A02020N	
	R	N	С	NR		IQ	12		A02020R	
A	N			NR		IL	36		A02030N	
	R	N	С	NR		IL	36		A02030R	
A	N			N		IL	36		A03010	
А	N			NR		IN	12		A03021N	AB1n
	R	N	s	NR		IN	12		A03021R	AB1r

Frequency of monitoring and codification

The unit of frequency is in months, but the monitoring frequencies are every 12, every 36 and once in the PIM/IMT lifetime.

You can also enter historical data through the input forms, thanks to which the database will be populated.

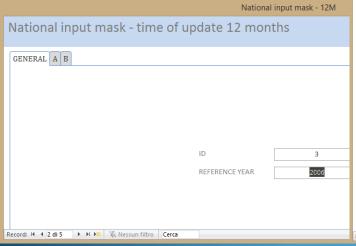
Simply select the desired frequency option, and the masks data entry will appear, organized according to the coding sequences and included in the database system structure

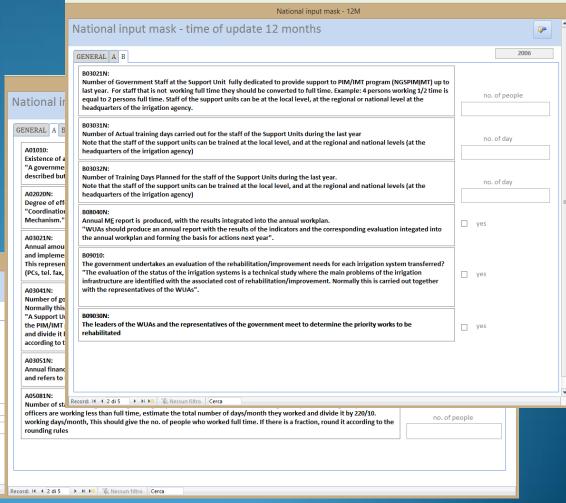


Frequency of monitoring and codification

After selecting the frequency, you will proceed to the selection of the reference and the data inputting, navigating trough the fields tab:

each value has its own field code, with its description, to ensure the best answer



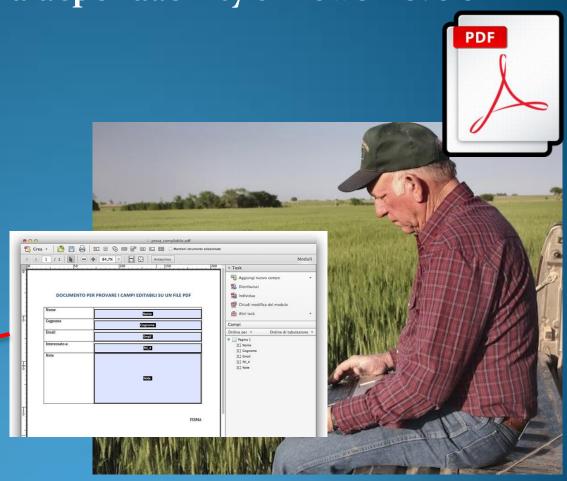


Level of aggregation and dependability on lower levels

Local units must follow the simple instructions to fill in the PDF file that will be assigned to them, follow the wizard to export data and send the file, which is their connection to the higher regional unit.

Regional Level





Level of aggregation and dependability on lower levels

The level of aggregation between the regional level and the national level is through the software itself, which is the same at both levels, but with different functions depending on the level of authentication. The only location where you can see all the data aggregated is the national one, where such data are derived from: the regional stations will be able to have an overview only for their local units aggregated data.

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National Level

Regional Level

Regional Level

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



MONEEVAS



MONEEVAS

MONitoring & EVAluation System

PROGRAM SUB-SECTION

GENERAL SETTINGS DATA UPDATE REPORTING

The file that will be created by the wizard is not editable for any of the following: name, extension and contents

Pre-conditional requirement of application

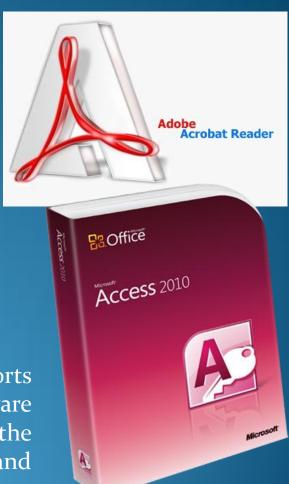
The system requirements for the different levels, both in terms of hardware and software requirements are summarized in the following table:

LOCAL LEVEL	REGIONAL LEVEL	NATIONAL LEVEL
requirements are a Personal Computer running		 processor with SSE2 instruction set Required operating system: Windows 8, Windows 7, Windows Server 2008 R2 or Windows Server 2012 Required memory: 1 GB of RAM (32 bit); 2 GB of RAM (64 bit) 3 GB of available hard-disk space Graphics hardware acceleration requires

Once the programming of the system, which is still in alpha testing, will be completed it will be distributed together with a PDF manual, consisting of two parts: a basic part and an advanced part: the first helps the local units, the second at regional and national levels.

A nay level, local, regional or national, no specific programming skills are needed; it is sufficient to follow the instructions to implement the database and get all the information from the system.

For any future customization of the data and/or reports structure, what you need is a Microsoft Access 2010 software license, and then to provide for the distribution of the installation package to all hierarchical levels, regional and national



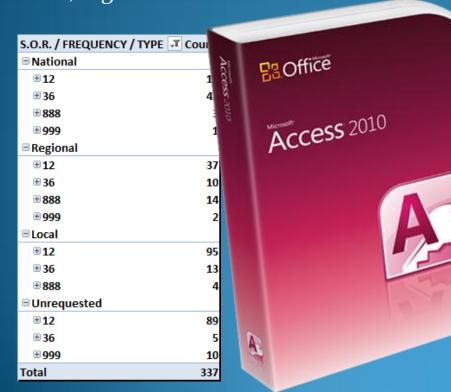


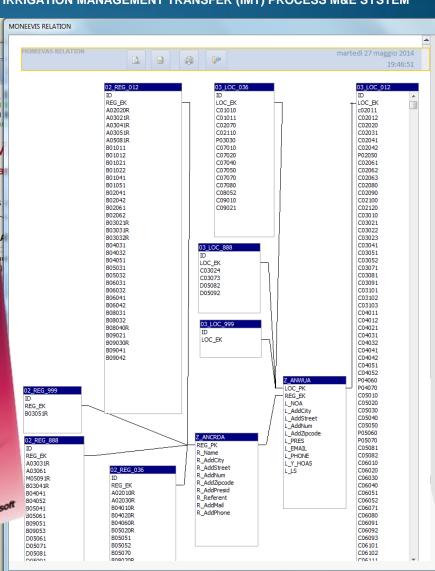
Sustainable Water Integrated Management (SWIM) Support Mechanism



APPLICATION FOR THE PARTICIPATORY IRRIGATION MANAGEMENT (PIM) AND IRRIGATION MANAGEMENT TRANSFER (IMT) PROCESS M&E SYSTEM

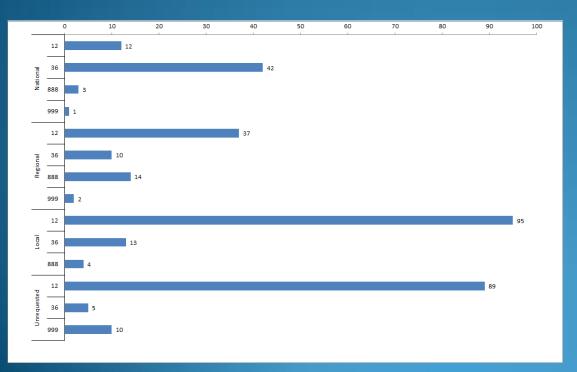
What you need to customize the structure of the data and reports is a Microsoft Access 2010 software license, and then to provide for the distribution of the installation package to all hierarchical levels, regional and national

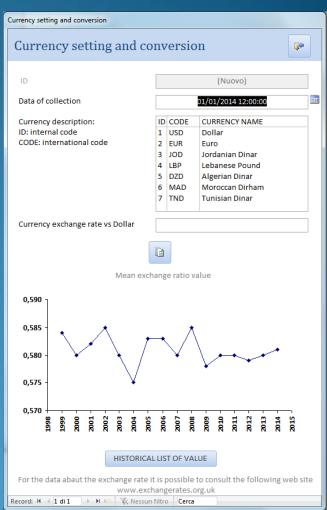


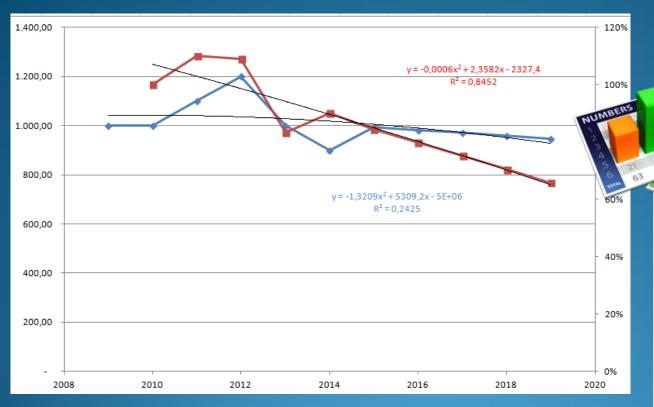


Annual Reporting, multiyear trend and archived info

For every hierarchical level you can get the report to display the data, indicators, results and scores: this greatly facilitates the interaction with the system, at regional and national level, and makes possible an estimate of the expected results.







Once you have the data for several years, you will be able to compare the data, creating reports and charts for any of the variables and data available, and offer a valuable decision support, also exporting data in Excel format. Creating Graphics at Regional and National Level

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⊞ 36	42
⊞ 888	3
■ Regional	
12	39
⊞ 36	10
€ 888	14
999	1
■Local	
12	95
⊞ 36	13
⊞ 888	4
■ Unrequested	
12	92
±36	5
⊕ 999	9
Total	339

