

“Sustainable domestic Water Use in Mediterranean Regions” (SWMED).

Socio-economic analysis on MED settlements in urban and rural areas
(methods, objectives and timing)

Activity 4.1.1

Ayman Rabi
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Gozo – Malta

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<http://www.enpicbcmmed.eu/>

SWMED PROJECT – CONTRACT N° 10/2177

Background

- Links between WP₄ and WP₅
- Technical data base on the SWM solutions applicable in each Settlement typology will be developed.
- These data in the technical data base will be used to develop draft policy paper on the impact of water policy on socio-economy in the developing countries (Palestine)

Background

- Socio-economic survey under WP4
 - Socio-economic survey on MED Settlements in urban and rural areas.
- The aim of this survey is probably to collect baseline socio-economic information to be used in selecting the target locations????
- The link of this survey will help in setting a criteria for selecting the target locations where SWM solutions will be implemented????

Background

- Proposed / used criteria for selecting the target locations
 - Socio-economic conditions of the location based on the results of the socio-economic survey on MED Settlements in urban and rural areas (wp4.1.1).
 - Connection to water supply system
 - Connection to wastewater system (collection and treatment)
 - Size of population
 - % of NRW
 - Price of water (low and high)
 - etc

Methodology

- Secondary socioeconomic data collection
- Primary Data Collection on each settlement typology
 - Design of simple questionnaire (2 pages)
 - Select a Sample design (# of Houses to be considered)
 - A sample that serve the objective of the project – no need for statistical conclusion or modeling
 - Therefore reasoned sampling procedure to be considered instead of random sampling process, etc.
 - This means the number of questionnaire can be pre determind between 30 – 40

Methodology

- Start data collection
- Data entry and Analysis
- Producing socio economic report
- Feed information to data base
- Select the criteria
- Discuss the results with the stakeholders at the stakeholder table meeting for endorsement

Questionnaire Structure

- General Information (#of population, family size, # of households, etc).
- Economic conditions in the location (income, sources of income, available economic resources, etc)
- Physical characteristics of the location (geographic location, climate, water resource availability, etc)
- Availability of infrastructure (water supply, wastewater, electricity, etc.)

Questionnaire Structure

- Conditions of water and wastewater infrastructure (water losses, coverage %, age, etc)
- Water availability and use (supplied monthly water volume, used monthly water volume, frequency of water supply, quality of water supply, etc)
- Water tariff (total monthly water bill, water bill payment frequency, method of payment, knowledge about water bill calculation, does water bill include wastewater service, etc)



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Questionnaire Structure

- Level of household awareness(existing water use pattern (indoor and outdoor, use of conservation device, knowledge about water problems, wastewater disposal mechanism, etc)
- Willingness to adopt new SWM technologies (water saving devices, grey water treatment, dry toilets, reuse of treated effluent, etc)
- Other site specific issues

Data Entry and Analysis

- Questionnaire Analysis
- Establish simple data base for the collected information
- Produce report on socio-economic situation for the various settlement typologies
- Endorsement of results by the stakeholders
- Selection of target areas

THANK YOU



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