

“Municipal Upgrading of Water Systems for Local Impact – MUWALI LIBYA”

Objective

The **specific objective (outcome) of the MUWALI intervention** is as follows: improve the management of water resource systems as well as data collection and reporting at local level.

The expected **outputs of the MUWALI intervention** are:

- 1. Strengthened local capacity to make sustainable, inclusive, and efficient use of the existing water resources' system.**

After an initial situation analysis and needs assessment, specific capacity building to water service providers will be implemented to promote inclusive and effective water management practices at municipal level - also through a wide involvement of local communities. The situation analysis will facilitate the process toward the definition of an Integrated Water Resources Management (IWRM¹) Plan in the target municipalities, to be developed for the sustainable management of conventional and unconventional water resources across sectors. Moreover, a pilot project will be implemented based on the findings of the situation analysis and coherently with the IWRM Plan.

- 2. Enhanced data collection and management capacity of local administrations in the water sector.**

MUWALI will enhance local administrations' capacities on water data collection and management. Based on an assessment of current practices, new methodologies will be introduced to gather, standardize, and process data from fragmented sources, fostering that data flow among stakeholders at municipal, regional and national levels. To support these advancements, MUWALI will provide essential equipment for a pilot project to test innovative technologies and comprehensive training for local administrations' staff, leading to more informed decision-making and better resource allocation.

- 3. Increased knowledge and dissemination of non-traditional water resources usage at local level.**

MUWALI will increase knowledge and dissemination of non-traditional water resource usage at local level. A thorough assessment will be conducted to identify those methods that are more suitable for the target Municipalities, and training will be provided to concerned local administrations. The identified methods for increasing the use of non-traditional water resources will be tested as a pilot project in a group of municipalities, selected from the twelve targeted. Continuous monitoring and evaluation of pilot performance will inform future efforts to scale up successful practices..

¹ The Global Water Partnership's definition of IWRM states: 'IWRM is a process which promotes the coordinated development and management of water, land and related resources, in order to maximize the resultant economic and social welfare in an equitable manner without compromising the sustainability of vital ecosystems'. Source: "Integrated Water Resources Management in Action". WWAP, DHI Water Policy, UNEP-DHI Centre for Water and Environment, 2009.