



## SWITCH-MED/MED Transfer of Environmentally Sound Technology (TEST) II in the South Mediterranean Region – Palestine

SWITCH-MED Programme is funded by the European Union



MED TEST II Project is a sub-component of Switch-Med Programme and is implemented by United Nations Industrial Development Organization (UNIDO)



MED TEST II Project implementation in Palestine is led by, Palestine Academy for Science and Technology (PALAST)



MED TEST II Project Partner



MED TEST II Project National Focal Points

Palestine State دولة فلسطين  
وزارة الاقتصاد الوطني  
Ministry of National Economy



دولة فلسطين  
سلطة جودة البيئة  
Environmental Quality Authority



### Do you need to:

- ✓ Reduce the consumption of raw and auxiliary materials?
- ✓ Reduce the consumption of scarce and increasingly costly water?
- ✓ Improve the energy efficiency and establish an energy management system?
- ✓ Improve/establish an environment management system?
- ✓ Increase productivity and reduce operational costs?
- ✓ Comply with regulations and standards including international environmental standards for accessing new markets?
- ✓ Improve relationship with stakeholders?
- ✓ Facilitate access to financing schemes for possible investments?

**Then take the chance and join SWITCH-MED/MED TEST II project in Palestine.**

## Why the industrial sector?

- Industry is one of the potential sectors where Sustainable Consumption and Production (SCP) could be applied.
- Industry is facing numerous challenges in its efforts to be competitive while reducing its ecological footprint.
- Industry is a significant contributor to Palestine's GDP, accounting for over 15%.
- The total number of Industrial firms reached 15000 registered entities, employing more than 120000 workers.
- The industrial sector energy consumption was 600 GWh/year in year 2012, with GHG emissions around 1 million ton CO<sub>2eq</sub> for the same year.
- The industrial sector water consumption was 40 million cubic meter in year 2012.
- The generated industrial solid waste was 131,344 tons/year in year 2011.

## What is the SWITCH-Med Initiative?

The SWITCH-Med initiative ([www.switchmed.eu](http://www.switchmed.eu)) is a regional multi-component program funded by the European Union (EU) and implemented by UNIDO, UNEP, and the SCP-RAC within the Mediterranean Action Plan. It aims at facilitating the switch towards sustainable consumption and production in nine countries of the Southern Mediterranean Region and is in line with UNIDO efforts to promote inclusive and sustainable industrial development. This initiative consists of three main components: a) a policy component; b) a demonstration component and c) a networking facility component.

Under the framework of the "Strategic Partnership for the Mediterranean Large Marine Ecosystem (LME)" of UNEP/MAP (Med Partnership), UNIDO implemented the MED TEST initiative (MED TEST I; 2009-2012) with the financial support of the GEF and the Italian government.

As part of the demonstration component, the MED TEST II builds on the results of the MED TEST I pilot initiative, and in particular on the UNIDO TEST methodology, and the database of sustainable production practices and documented industry cases implemented in the various industrial sectors in Tunisia, Morocco and Egypt (available for download [www.unido.org/medtest](http://www.unido.org/medtest)).

## SWITCH-MED/MED TEST II-Palestine

Based on the agreement signed between the UNIDO and PALAST, PALAST and its partners Palestine Polytechnic University PPU and Environment Park in Italy will implement MED TEST II in Palestine under the strategic guidance of the national focal points (NFPs) namely; Ministry of National Economy and Environment Quality Authority in cooperation with key stakeholders including the Union of Palestinian Federation of Industries (PFI), Palestinian Standards Institution (PSI), Palestinian Energy Authority (PEA), The Union of Stone and Marble (USM), Palestine food industries union (PFIU), French Development Agency (AFD), the German International Aid (GIZ), The Bank of Palestine, and EU delegation in Jerusalem.

***TEST as an integrated approach and a global program which is a combination of Resource Efficient and Cleaner Production (RECP), Environmental Management System (EMS) and Material Flow Cost Accounting tools to achieve sustainable production.***

## Project Main Objective and Outcomes

The objective of the MED TEST II subcomponent is to increase demand and supply of sustainable production services to the industry.

The implementation of the MED TEST II project is expected to generate the following outcomes in Palestine:

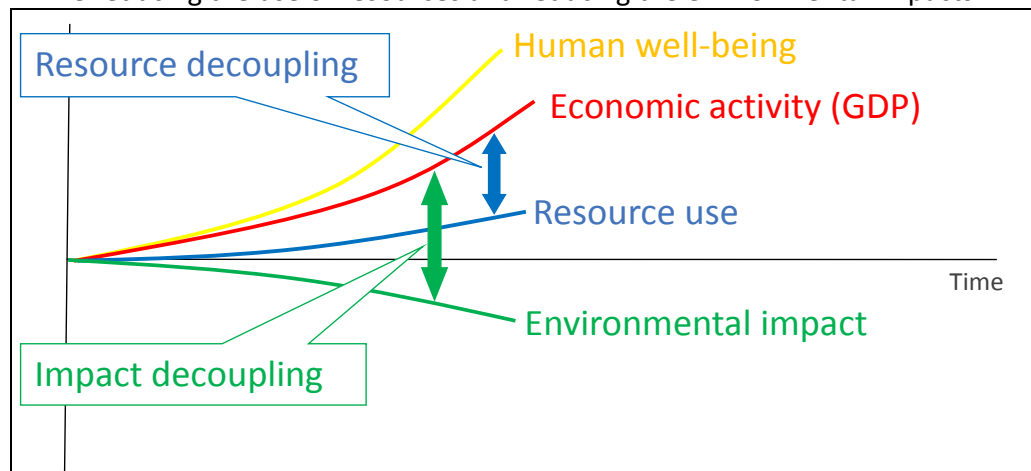
- Raise the national capacities of local service providers (SPs) to be able later on to provide TEST approach services to the industry on a commercial and wider basis;
- Ten industry demonstration projects where the sustainable production practices and technologies that lead to environmental and economic benefits are being identified and implemented (with target to achieve an average of around 20% water saving, 20% energy saving, 10% BOD/COD load reduction compared to baseline and referred to unit of production);
- Share information and provide recommendations for harmonizing and reinforcing policies, regulations and incentive financial schemes to support RECP practices and technologies in industry.

## Project Activities

- TEST Demonstration in Industry
- Institutional capacity building
- Recommendations of policy instruments
- Dissemination of results to sustain TEST in Palestine
- Coordination, Networking.

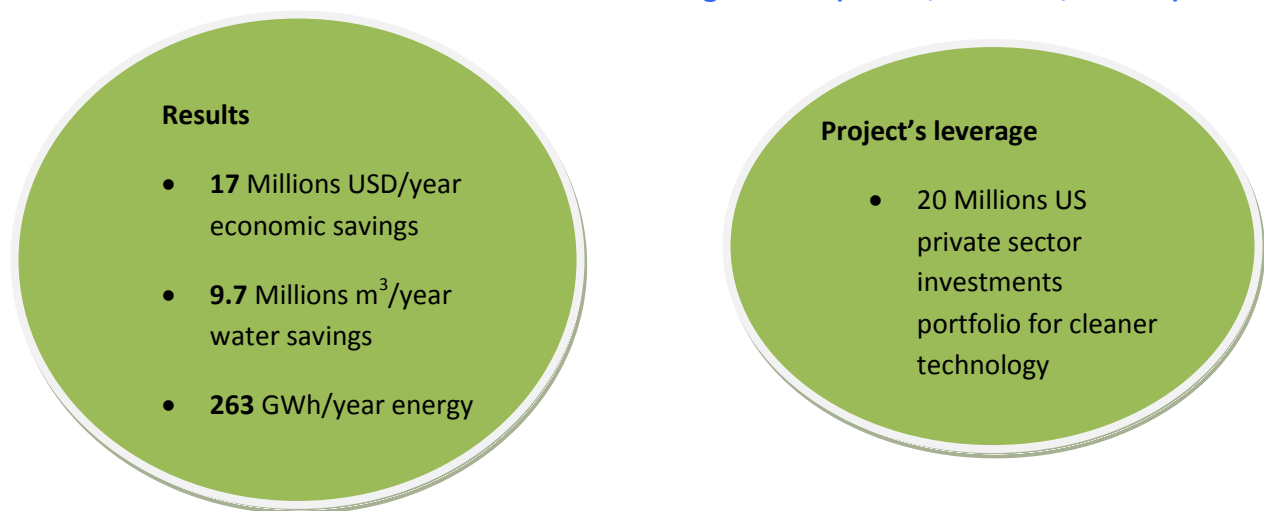
## Why Decoupling?

Switch med integrated approach is in line with the decoupling principle to keep the economic growth while reducing the use of resources and reducing the environmental impacts.



Source: International Resource Panel, Decoupling Natural Resource Use and Environmental Impacts from Economic Growth, United Nations Environment Programme (UNEP), Nairobi, 2011

## Med TEST I Demonstration Results in Food & Beverage Sector (EGYPT, Morocco, Tunisia)



More than 50% of the identified measures had payback periods of less than half a year!

## Contact

Ayman Al Haj Daoud  
Palestine Academy for Science and Technology (PALAST)  
Telephone: +970 2 2960524 / 6  
Fax: +970 2 2960525  
Jawwal: +970 599 671638  
Email: [switch-med@palestineacademy.org](mailto:switch-med@palestineacademy.org)  
URL: [www.palestineacademy.org](http://www.palestineacademy.org)