

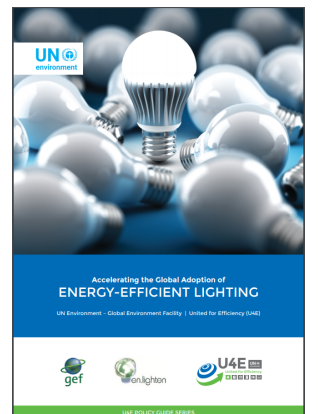
Annual electricity consumption for lighting, refrigerators, air conditioners, electric motors and transformers is expected to more than double (+125%) from 2015 to 2030 in developing economies if no new policy actions are taken. Market transformation to more energy efficient lighting, appliances and equipment allows countries to save money on their utility bills, help businesses thrive through greater productivity, enable utilities to meet growing demand for electricity, and assist governments in reaching their economic and environmental ambitions.



[www.united4efficiency.org](http://www.united4efficiency.org)

United for Efficiency (U4E) Initiative of United Nations Environment Programme (UNEP) provides the tools, guidance and tailored technical and policy support that countries need to sustainable transition to energy-efficient products, enabling them to reap large-scale economic and environmental benefits. By partnering with governments, civil society, industry, financial institutions, and technical experts, U4E accelerates market transformation and helps ensure that it endures.

United Nations Environment Programme (UNEP) has been promoting sustainable development underpinned by energy-efficient solutions. Since its launch in 2010, U4E provides technical and policy support to more than 40 countries in both national and regional projects to accelerate the switch to energy-efficient lighting appliances and equipment - products that consume more than 50% of the energy worldwide.



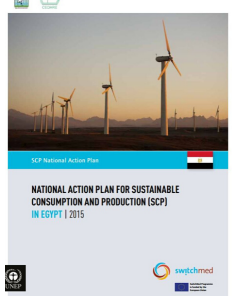
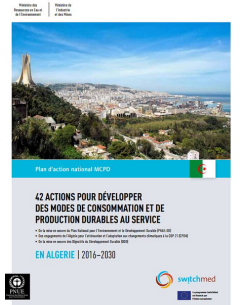
U4E's comprehensive full market transformation Programs follow a proven Integrated Policy approach, which includes Minimum Energy Performance Standards (MEPS), Labeling and Communications, Financial Mechanisms, Monitoring, Verification and Enforcement and Environmentally Sound Management activities.

### SwitchMed and Energy Efficiency

Under the EU-funded SwitchMed programme, UNEP supported eight Mediterranean countries (Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Palestine and Tunisia) in the development and implementation of Sustainable Consumption and Production Action Plans (SCP-NAPs). Energy efficiency is a focusing area in the SCP-NAPs of Algeria, Egypt, Israel, Jordan and Lebanon and Palestine.

The **Algerian** SCP-NAP has identified 42 concrete actions for three priority areas, one among them is to ensure energy transition through promotion of energy efficiency and development of renewable energies;

In **Egypt**, the key strategic goal of energy sector is to ensure sector sustainability by promoting both Energy Efficiency "EE" and the use of Renewable Energy "RE". It is predicted that by 2035, considerable level of energy efficiency can be reached with total potential savings from energy consumption of about 18% including the sectors of 23% transport, 18% industry and 16% buildings (residential, commercial and public);

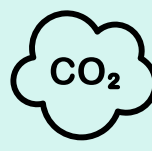


SwitchMed Programme is funded by the European Union

Potential for the eight SwitchMed countries achieving annual savings by 2030:



**8**  
SwitchMed  
countries



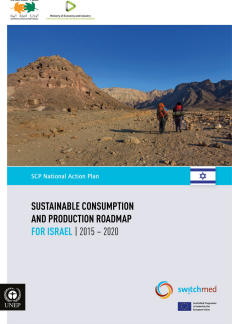
**35**  
Million tons  
emissions



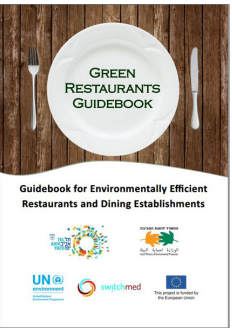
**51**  
Twh electricity  
saving



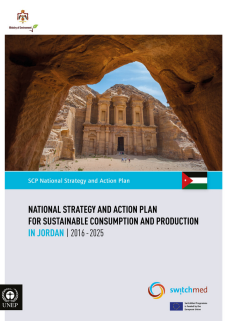
**3**  
Billion USD  
electricity cost



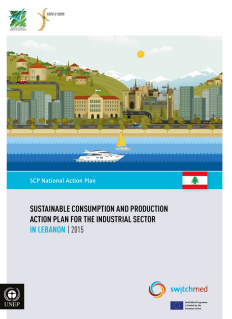
In **Israel**, a need for emphasis on SMEs was identified in the SCP-NAP through the development and dissemination of guiding manuals and green labels. The Ministry of Environmental Protection with the support of the Tel Aviv-Yafo Municipality compiled **Guidebook for Environmentally Efficient Restaurants and Dining Establishments** to provide information, methodologies, instruction and tips for restaurant owners and dining establishments to take actions for environmental sustainability. In energy sector, efficiency will be achieved by minimizing energy consumption through efficient usage and better infrastructures. Electricity savings are achieved by a combination of optimal use, regular maintenance and cost-effective infrastructures.



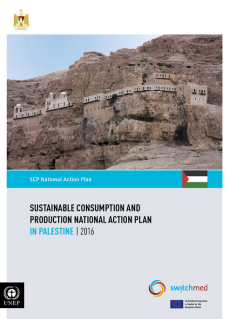
A **guidelines for Sustainable Industrial Zones** in Israel was also developed. It provided the principles and measures that will enable the development of sustainable industrial zones. Energy sector was also one of the key areas, guidelines included i) energy efficient lighting in public areas; ii) solar lighting in public areas; iii) production of photovoltaic electricity; and iv) Cogeneration energy production center.



In **Jordan's** SCP-NAP, the objectives for the transportation sector included the support to the effective Infrastructure allowing efficient management of transport resources, benefiting from gains in the energy efficiency, renewable energy and energy efficiency law and its regulations.



**Lebanon's** objective in the industrial sector of SCP-NAP included the adoption and promotion of Best Available Techniques including resource efficient and cleaner production, renewable energy and other tools leading to improvement of environmental performance and human protection in the manufacturing of goods and the provision of alternative services.



**Palestine's** SCP-NAP has set the objective in the agriculture sector to promote accesses to renewable energy in agricultural holdings, and promote shifting to renewable resources.

U4E has carried out Energy Efficiency Lighting projects in SwitchMed countries, such as Morocco and Tunisia, including the development of Market Lighting Assessments, development of Policy and Standards proposal (MEPS and MVE) and providing recommendations for Environmental Sound Management best practices. During the Switchmed II, proposals on energy efficiency project and activities will be consulted with countries partners to seek interests in the joint development and implementation as well as trigger additional funding.

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## UN Environment Programme

UNEP is the leading global environmental authority that sets the global environmental agenda, promotes the coherent implementation of the environmental dimension of sustainable development within the United Nations system, and serves as an authoritative advocate for the global environment.



The EU-funded SwitchMed programme assists eight countries in the southern Mediterranean to switch to sustainable patterns of consumption and production and supports national and regional stakeholders in achieving productive, circular, and sharing economies in the Mediterranean. [www.switchmed.eu](http://www.switchmed.eu)