

# UNDA project, on “Up-scaling Energy Efficiency in the residential and services sectors in the Arab Region”



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## Development, Implementation and Evaluation of Energy Efficiency Policies in the Buildings Sector in Jordan

National Workshop, 22 July 2019 – Amman – Jordan



MINISTRY OF ENERGY AND MINERAL RESOURCES  
THE HASHEMITE KINGDOM OF JORDAN

Economic And Social Commission For Western Asia



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## Overview of the UNDA project and the objectives of the workshop

# Introduction of the ESCWA UNDA project on “Up-scaling EE in the residential and services sectors in the Arab Region”

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## **Objectives:**

- substantially enhance the capacity of Arab countries in improving and optimizing energy efficiency in the building sector
- Induce a change of scale in the implementation of energy efficiency programs in the existing residential and non-residential building stock.

# Introduction of the ESCWA UNDA project on “Up-scaling EE in the residential and services sectors in the Arab Region”

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## Axes of intervention:

- Develop a comprehensive baseline mapping study to provide the reference situation/ baseline parameters, for developing EE programs
- ***Develop/reinforce short, medium & long-term strategies/ appropriate EE policies for the residential and services sectors, to be used as frameworks for the implementation of large scale EE programs.***
- Initiate & enact, or reinforce existing, household and other equipment energy labelling systems and Minimum Energy Performance Standards (MEPS).
- Produce guidelines and trainings material in support of improving energy performance in the building sector
- Set up effective large-scale implementation schemes for dissemination of higher EE equipment & appliances, as well as improving the thermal performance of existing buildings, involving private and public resources,

# Introduction of project activities related to the topics of this workshop

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Contribute to establishing / reinforcing institutional and regulatory frameworks to promote EE in the residential and services sectors:

- ✓ Assessment of energy efficiency potential in the residential and services sectors by branch of activities and type of building
- ✓ Development of various scenarios of energy consumption in the residential and services sectors for energy efficiency implementation
- ✓ Identification of potential EE action programmes that are applicable on a nationwide level for the existing building stock, and assessing their potential energy and economic impacts, including the prioritisation of identified actions.
- ✓ Definition of short, medium and long-term objectives for implementing the developed programmes of EE actions, and assessing the associated investment requirements.

# Introduction of project activities related to the topics of this workshop

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## The main elements of the planned activities:

Strengthen the capacity of decision-makers, officials and national experts working on the development of energy control strategies and programs in the building sector through:

- ✓ Organization of a national workshop bringing together relevant officials and national experts
- ✓ Accompaniment of the interested parties, with the support of the international consultant and the national expert, in:
  - the development of short, medium and long-term strategies and appropriate EE policies for the existing building stock of the residential and services sectors
  - developing the frameworks for the necessary Monitoring Reporting and Verification (MRV) schemes

# Introduction of the agenda of the workshop

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## 4 parts:

- ✓ **Session 1** : Introduction and project overview
- ✓ **Session 2** : Development of building EE policies in Jordan
- ✓ **Session 3** : Group work on the development, implementation and evaluation of sustainable energy policies in the buildings' sector in Jordan
- ✓ **Session 4** : Implementing instruments for national sustainable energy policies

# Introduction of the agenda of the seminar

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## Session 1 : Introduction and project overview

### Opening Remarks & Introduction

*Mr. Zeyad Alsaada, Ministry of Energy and Mineral Resources (MEMR)  
& Ms. Radia Sedaoui, ESCWA*

### Overview of the UNDA project and the objectives of the present workshop

*Mr. Mongi Bida, ESCWA*

### Weight of buildings energy efficiency measures in the Jordanian National Energy Efficiency Action Plan (NEEAP)

*Ms. Lina AL-Mobaideen, Jordan Renewable Energy & Energy Efficiency Fund (JREEFF)*

# Introduction of the agenda of the workshop

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## **Session 2: Development of building EE policies in Jordan**

*Facilitators: Mr. Emil Alasis, EU REEE II-TA & Mr. Mongi Bida, ESCWA*

National sustainable energy policies targeting the building sector in Jordan: Status and perspectives

*Representative of the Jordanian National Building Council (JNBC)*

Energy consumption scenarios in the building sector as an instrument for the development and implementation of sustainable energy programs in this sector & methods of assessing EE potential in the residential and services sectors

*Mr. Adel Mourtada, ESCWA Consultant*

Definition of short, medium and long-term objectives for implementing the developed programmes of EE actions, and assessing the associated investment requirements.

*Mr. Adel Mourtada, ESCWA Consultant*



# Introduction of the agenda of the workshop

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## **Session 3: Group work on the development, implementation and evaluation of sustainable energy policies in the Buildings Sector in Jordan**

*Session Coordinator: Ms. Radia Sedaoui, ESCWA*

*Group Work Facilitators: Ms. Ala'a Abdullah, Jordan Green Building Council; Ms. Lina AL-Mobaideen, JREEEF; Mr. Adel Mourtada, ESCWA Consultant;*

### **3 parallel group work on following themes (1 theme per group):**

Group 1: How to strengthen the implementation of sustainable energy policies in the building sector in Jordan?

Group 2: What measures (regulations, incentives, etc.) are needed to be put in place to ensure a change of scale in the building sustainable energy market in Jordan to accelerate the implementation of sustainable energy policies in this sector?

Group 3: What are the instruments that can ensure a judicious monitoring and active evaluation of the implementation of sustainable energy policies in the building sector?

Presentation of the conclusions & recommendations of the 3 working groups (10 minutes per group)

Open discussion regarding the conclusions & recommendations resulting from the Group Work

# Introduction of the agenda of the workshop

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## Session 4: Development of building EE policies in Jordan

*Facilitators: Mr. Rasmi Hamza, JREEEF & Ms. Radia Sedaoui, ESCWA*

The World Bank Project for facilitating financing of EE actions and programmes in Jordan

*Mr. Yazan Tahboub, World Bank Group*

The role of the Jordanian National Building Council in supporting the implementation of building EE policies in Jordan,

*Representative of the Jordanian National Building Council (JNBC)*

Identification of potential EE action programmes that are applicable on a nationwide level for the existing building stock, and assessing their potential energy and economic impacts, including the prioritisation of identified actions.

*Mr. Adel Mourtada, ESCWA Consultant*

The role of Super ESCOs in upscaling energy efficiency in the existing building stock in the Arab Region.

*Mr. Mongi Bida, ESCWA*

Open discussion regarding the topics addressed during the session

Closing remarks (MEMR & ESCWA)

# For more information about energy sustainability issues in the building sector ....

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**Please refer to the latest ESCWA publication on the topic :**

**"Addressing energy sustainability issues in the buildings sector in the Arab region"**

**English version:**

<https://www.unescwa.org/publications/addressing-energy-sustainability-issues-buildings-sectori-arab-region>

**Arabic version:**

<https://www.unescwa.org/sites/www.unescwa.org/files/publications/files/addressing-energy-sustainability-issues-buildings-sector-arab-region-arabic.pdf>

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**THANK YOU FOR YOUR ATTENTION**

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Energy Section

Sustainable Development Policies Division (SDPD)

ESCWA