



Mitigation Enabling Energy Transition in the MEDiterranean region
Together We Switch to Clean Energy



GRASSMED TRAINING EN - Feb 2024

Jordan

Date: Monday - Wednesday, 26-28 February 2024

Location: Amman, Jordan

Venue/ Platform: Le Royal Hotels, Amman

An event organized by ALMEE in cooperation with ADEME, RSS/NERC and PEC/PENRA.

The event is organized as part of the activity A316 of meetMED II (Mitigation Enabling Energy Transition in the Mediterranean Region), second phase, an EU-funded project developed by MEDENER and RCREEE.



Funded by the
European Union



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Background/ Overview

Because "Green Building Design and Construction" is a new trend conquering our regional construction market, the South-Mediterranean countries should be among the pioneers who tend to adapt and support these concepts. It's obvious that our national legislations do not offer the incentives that promote for "Green Buildings", that's why it's essential to build our own high standards of design and construction that contribute to save our environment, and our energy without losing highly efficient performance of buildings as well as their internal thermal comfort. For the sake of Green Sustainability in the South-Mediterranean region, these high standards must be all integrated in one rating system to provide a full package of "Effective and High-Efficient Performance of Buildings". The new proposed rating system is called "GRASSMed".

GRASSMed is a building certification system for Lebanon and the Mediterranean region adapted to the uses of the southern shore countries. Developed in Lebanon as part of meetMED II and activity A316, the tool is being adjusted to other Mediterranean countries. It serves both as a regional platform for training stakeholders concerned with energy efficiency and as a performance standard for new and existing buildings in the residential and commercial sectors. GRASSMed aims to support the efforts of Mediterranean actors concerned with the reduction of environmental impacted generated by the building industry through the promotion of exchanges and the use of shared tools for training and certification.

This event brings together meetMED II experts and potential involved stakeholders in Jordan and Palestine, coordinated by the Lebanese association for energy saving and for environment (ALMEE). It aims at:

- Training "Building" experts and stakeholders on the design and construction of sustainable buildings using the regional Green Building Rating System GRASSMed;
- Creating a space for exchange for institutional and professional players and for sharing knowledge and skills on sustainable buildings;
- Promoting the construction of sustainable buildings in Jordan and Palestine and encourage the penetration and development of green materials, equipment and technologies;
- Promoting energy efficiency in buildings (new and existing, social or standing) using a regional label (GRASSMed) as a vehicle for awareness, communication and exchange of expertise;
- Promoting the regional voluntary green building certification system in addition to the national green labels (if they exist), verification and validation of energy building performance and environmental qualities.



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Preliminary Agenda

Monday February 26, 2024

Time	Description	Duration
08:00 - 08:30	Registration of participants	30 min
08:30- 08:50	<p>Welcome Address</p> <p>Eng. Firas Alawneh, Director of National Energy Research Centre, RSS/NERC</p> <p>Alicia Tsitsikalis, WP3 leader- meetMED II, ADEME</p> <p>Adel Mourtada, Vice President, Director of Sustainable Buildings and Mobility Department, ALMEE</p> <ul style="list-style-type: none"> • Training Opening • Overview of Training Schedule • Presentation of participants 	20 min
08:50 - 10:40	<p>Green and Sustainable Buildings Global Status</p> <p>Anissia Beainy, Director of Research & Development and Green Hydrogen Department, ALMEE</p>	20 min
	<p>Green and Sustainable Buildings Status in Palestine</p> <p>Racha Diab, EE Senior Engineer, PENRA/PEC</p>	30 min
	<p>Green and Sustainable Buildings Status in Jordan</p> <p>Muhieddin Tawalbeh, Expert / Energy Efficiency, RSS/NERC</p>	30 min
	<p>Section I: Overview on GRASSMed</p> <p>Adel Mourtada, Vice President, Director of Sustainable Buildings and Mobility Department, ALMEE</p>	30 min
10:40 - 11:00	Coffee break	20 min
11:00- 12:45	<p>Section II: Envelope</p> <p>Adel Mourtada, Vice President, Director of Sustainable Buildings and Mobility Department, ALMEE</p> <ul style="list-style-type: none"> • Introduction 	30 min



	<ul style="list-style-type: none"> • THERMAL PERFORMANCE OF BUILDING ENVELOPE – E1 <p>Quiz</p>	75 min
12:45 - 13:30	<i>Lunch break</i>	45 min
13:30 – 14:40	<p>Section II : Envelope</p> <p>Adel Mourtada, Vice President, Director of Sustainable Buildings and Mobility Department, ALMEE</p> <ul style="list-style-type: none"> • ECO – CONSTRUCTION – E2 <p>Quiz</p> <ul style="list-style-type: none"> • ECO-ROOF – E3 <p>Quiz</p>	<p>35 min</p> <p>35 min</p>
14:40 - 15:00	<i>Coffee break</i>	20 min
15:00 – 16:00	<p>Demo</p> <p>Adel Mourtada, Vice President, Director of Sustainable Buildings and Mobility Department, ALMEE</p>	60 min



Tuesday February 27, 2024

Time	Description	Duration
08:00 - 08:30	Registration of participants	30 min
08:30 - 10:55	<p>Section III: Green Sites</p> <p>Sabine Saad, Director of Ecological Transition and Cooperation Department, ALMEE</p> <ul style="list-style-type: none"> • INTRODUCTION TO GREEN SITES – GS0 Quiz • PREDEVELOPED SITES – GS1 Quiz • EXISTING INFRASTRUCTURE – GS2 Quiz • PROXIMITY TO BASIC SERVICES – GS3 Quiz • SITE PLANTATION – GS4 Quiz 	<p>20 min</p> <p>25 min</p> <p>25 min</p> <p>25 min</p> <p>50 min</p>
10:55 - 11:15	Coffee break	20 min
11:15 – 12:45	<p>Section III: Green Sites</p> <p>Sabine Saad, Director of Ecological Transition and Cooperation Department, ALMEE</p> <ul style="list-style-type: none"> • GREEN PARKING STRUCTURE – GS5 Quiz • PARKING CAPACITY– GS6 Quiz <p>Section IV: Energy Design and Equipment</p> <p>Anissia Beainy, Director of Research & Development and Green Hydrogen Department, ALMEE</p> <ul style="list-style-type: none"> • INTRODUCTION 	<p>20 min</p> <p>20 min</p> <p>10 min</p>



	<ul style="list-style-type: none"> • SOLAR WATER HEATER– EDE1 Quiz • RENEWABLE ENERGY – EDE2 Quiz 	<p>20 min</p> <p>20 min</p>
12:45 - 13:30	<i>Lunch break</i>	45 min
13:30 - 14:50	<p>Section IV: Energy Design and Equipment</p> <p>Anissia Beainy, Director of Research & Development and Green Hydrogen Department, ALMEE</p> <ul style="list-style-type: none"> • DAYLIGHT DESIGN – EDE3 Quiz • NATURAL VENTILATION– EDE4A Quiz • MECHANICALLY CONTROLLED VENTILATION– EDE4B Quiz • EFFICIENT LIGHTING – EDE5A Quiz 	<p>20 min</p> <p>20 min</p> <p>20 min</p> <p>20 min</p>
14:50 - 15:10	<i>Coffee break</i>	20 min
15:10 – 16:00	<p>Section IV: Energy Design and Equipment</p> <p>Anissia Beainy, Director of Research & Development and Green Hydrogen Department, ALMEE</p> <ul style="list-style-type: none"> • HIGH EFFICIENCY PARKING LIGHTING - EDE5B Quiz • BACKUP ELECTRICITY – EDE7 Quiz • BUILDING MANAGEMENT SYSTEM EDE8 Quiz 	<p>20 min</p> <p>15 min</p> <p>15 min</p>

Wednesday February 28, 2024

Time	Description	Duration
08:00 - 08:30	Registration of participants	15 min
08:30 - 10:55	Section IV: Energy Design and Equipment Sabine Saad , Director of Ecological Transition and Cooperation Department, ALMEE <ul style="list-style-type: none"> • BOILER / HVAC – EDE6A Quiz • AIR CURTAINS – EDE6B Quiz 	30 min
	Section V: Water Management Health and Biophilia Sabine Saad , Director of Ecological Transition and Cooperation Department, ALMEE <ul style="list-style-type: none"> • INTRODUCTION 	5 min
	<ul style="list-style-type: none"> • HEALTHCARE AND BIOPHILIA – WMHB1 Quiz • WATER EFFICIENCY– WMHB2A Quiz 	40 min
	<ul style="list-style-type: none"> • WATER CONSERVATION– WMHB2B Quiz 	30 min
10:55 - 11:15	Coffee break	20 min
11:15 – 12:45	GRASSMED Demo Sabine Saad , Director of Ecological Transition and Cooperation Department, ALMEE	60 min
	Discussions, Recommendations, and Training Closing Adel Mourtada , Vice President, Director of Sustainable Buildings and Mobility Department, ALMEE	30 min
12:45 - 13:30	Lunch break	45 min

