

## CONCEPT NOTE

BUILD\_ME: Accelerating 0-emission building sector ambitions in the MENA region

### REGIONAL WORKSHOP

#### How to accelerate the implementation of energy efficient buildings in the Arab Region

**Date: Tuesday, 31 May – Wednesday, 1 June**

**Location: Steigenberger El Tahrir Hotel, Cairo**

Continuous population and economic growth as well as accelerated urbanization have increased the demand for residential areas in urban centers in the Middle East and North Africa (MENA) region. At the same time global average temperatures are increasing caused by anthropogenic climate change. These factors lead to increased energy demand especially for cooling, which is primarily covered by the use of fossil fuels, causing an increase in greenhouse gas (GHG) emissions. To reach the global objectives of the Paris Agreement on climate change, GHG emissions caused by the building sector need to be reduced by at least 80% by 2050. This requires a massive transformation of the building sector towards an efficient use of energy and switching to renewable sources of energy.

#### **The BUILD\_ME project**

The BUILD\_ME project is financed by the International Climate Initiative (IKI) of the German Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (BMUV) and holds the official title: Accelerating 0-emission building sector ambitions in the MENA region project. The project lead partner Guidehouse (formerly Navigant), Germany, Housing and Building National Research Center (HBRC) as national partner and Integrated Development Group (IDG) as national project manager in Egypt, Royal Scientific Society as the national partner in Jordan, Lebanese Center for Energy Conservation (LCEC) as the national partner in Lebanon and the Intergovernmental Partner (RCREEE).

The project began in 2016 and the first phase of the project focused on understanding the market and the main barriers for the uptake of highly efficient buildings in Egypt, Jordan and Lebanon. The analysis showed that there are several challenges linked to enforcing and implementing energy efficiency building codes (EEBCs). The incomplete enforcement and implementation of EEBCs has resulted in the lack of energy benchmarks (missing baseline). This situation makes it difficult for financial institutes to assess whether a building is eligible for financing. Observations indicate that various financing institutions in the Middle East and North Africa (MENA) region are aiming and willing to provide special financing for low energy buildings.

To unlock this potential, the second phase of BUILD\_ME concentrated on providing solutions to close these gaps and improve the framework:

- Developing different tools (benchmarking, building energy performance (BEP) calculation tool, demonstration project database) and enabling national trainers to use the tools and provide further trainings for local stakeholders.
- Starting the integration of benchmark (baselines) into the national context, together with relevant governmental bodies and conceiving national building classification schemes.
- Initiating collaboration with banks and funds with the aim to find solutions for them to provide financial support for energy efficient buildings by applying the building energy performance tool and national baselines from the building typologies.

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### Objectives of the workshop:

- Present the project findings of phase two
- Exchange with relevant stakeholders on regional level
- Establish bridges to financial institutions
- Overview discussion related to the relevance of the building sector regarding upcoming COP 27
- Share and discuss ideas of phase three and connect with regional experts

### Participants:

- National authorities, political decision-makers
- Financial institutions
- Project developers
- Architects and engineers

### Contact us:

For more information about this workshop, please contact:

#### **Ms. Rana Abouzeid**

Researcher and Urban Planner  
BUILD-ME Project Coordinator, Egypt  
rana.abouzeid@idg.com.eg  
Integrated Development Group  
Mobile: +201002778272

#### **Mr. Riadh Bhar**

Associate Director  
BUILD\_ME Project Manager  
riadh.bhar@guidehouse.com  
Guidehouse ES&I  
Mobile: +491735127432

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## PRELIMINARY AGENDA

(last updated: 13 April 2022)

\*all times in local EET

### Day 1: Tuesday, 31 May – Project Results and the way forward

High-level meeting (morning)

Break-out Sessions (afternoon)

10:00-10:30	<b>Registration</b>
10:30-10:50	<b>Welcome Remarks</b> <ul style="list-style-type: none"> <li>- Dr. Khalid El Zahaby, HBRC</li> <li>- Mr. Carsten Petersdorff, Guidehouse</li> <li>- German Government representative (TBC)</li> <li>- Dr. Jauad El Kharraz, RCREEE (TBC)</li> <li>- Dr. Mohammed Salheen, IDG</li> <li>- Dr. Jamila Matar, League of Arab States (TBC)</li> </ul>
10:50-11:00	<b>Introduction of the project objectives and the agenda</b> Presenter: Mohammed Salheen, IDG
11:00-11:35	<b>BUILD_ME country insights related to energy efficient buildings</b> Moderator: Norhan El Dallal, IDG Promoting energy efficient buildings in Lebanon, Jordan and Egypt <ul style="list-style-type: none"> <li>- Egypt: Dr. Mohammed Salheen, IDG</li> <li>- Jordan: Muhieddin Tawalbeh, NERC/RSS</li> <li>- Lebanon: Dr. Sorina Mortada, LCEC</li> </ul> Q&A
11:35 – 11:50	<b>Coffee Break</b>
11:50 – 12:30	<b>BUILD_ME: Project findings and recommendations</b> Moderator: Mai Adel, IDG <ul style="list-style-type: none"> <li>- How to develop a baseline to assess climate friendly buildings (Carsten Petersdorff, Guidehouse)</li> <li>- Case Study: Implementation of EE/RE measures (KONN Tech, Jordan)</li> <li>- Policy instruments to steer climate friendly buildings (Dr. Sorina Mortada, LCEC)</li> </ul> Q&A

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12:30-13:30	<p><b>High-level panel discussion: How to accelerate the construction of climate friendly buildings</b></p> <p>Moderators: Dr. Maged Mahmoud, RCREEE and Riadh Bhar, Guidehouse</p> <ul style="list-style-type: none"> <li>- Representatives of Ministries from Lebanon, Jordan, Egypt and Germany <ul style="list-style-type: none"> <li>o Dr. Jamila Matar, League of Arab States (TBC)</li> <li>o Dr. Khalid El Zahaby, Chairman, HBRC, Ministry of Housing, Egypt</li> <li>o Pierre El Khoury, Director of LCEC, Lebanon</li> <li>o Dr. Jamal Qtaishat, Director of JNBC, Jordan</li> <li>o Bahrain representative (TBC)</li> <li>o Tunisian representative (TBC)</li> </ul> </li> </ul>
13:30-14:30	<p><b>Lunch and Networking</b></p>
14:30-15:00	<p><b>What could be planned in the next phase of the project, BUILD_ME 3?</b></p> <ul style="list-style-type: none"> <li>- Ideas for planned activities (Riadh Bhar, Guidehouse)</li> </ul>
15:00-16:00	<p><b>Breakout sessions</b></p> <p>Moderator: Norhan El Dallal, IDG</p> <ul style="list-style-type: none"> <li>- Financing instruments (Eslam Mahdy, Guidehouse)</li> <li>- Rating schemes (Riadh Bhar, Guidehouse)</li> <li>- Policy instruments (Moritz Schäfer, Guidehouse)</li> <li>- Capacity Building (Mai Adel, IDG)</li> </ul>
16:00-16:30	<p><b>Findings of the breakout sessions</b></p> <p>Moderator: Norhan El Dallal, IDG</p>
16:30-16:40	<p><b>Closing remarks</b></p> <ul style="list-style-type: none"> <li>- Dr. Ashraf Kamal, HBRC</li> <li>- Dr. Mohammed Salheen, IDG</li> </ul>

**Day 2: Wednesday, 1 June - Thematic sessions (the way forward)**

10:00-10:30	<b>Registration</b>
10:30-10:45	<b>Opening remarks</b> Moderator: Riadh Bhar, Guidehouse <ul style="list-style-type: none"> <li>- Wrap-up: Key messages of Day 1</li> <li>- Presentation of program of Day 2</li> </ul>
10:45-11:30	<b>National climate strategies and outlook (COP27)</b> Moderator: Dr. Ashraf Kamal, HBRC <ul style="list-style-type: none"> <li>- Overview of NDCs of the region – Eslam Mahdy, Guidehouse</li> <li>- Regional view on the COP - Amira Ayoub, MENA GBC</li> <li>- COP preparation: Greening Sharm El Sheikh – Dr. Mohamed Bayoumi, UNDP</li> </ul>
11:30-11:45	<b>Coffee break</b>
11:45-12:30	<b>Panel discussion - Sustainable finance</b> Moderator: Moritz Schäfer, Guidehouse How can financial instruments accelerate climate friendly buildings? <ul style="list-style-type: none"> <li>- European Bank for Reconstruction and Development- EBRD (NN)</li> <li>- Mohamed Morsy, Green for Growth Fund</li> <li>- European Investment Bank (TBC)</li> <li>- Egyptian Bank (TBC)</li> </ul>
12:30-12:45	<b>Coffee break</b>
12:45-13:45	<b>Ambitious construction projects from the region</b> Moderator: Dr. Mohammed Salheen, IDG <ul style="list-style-type: none"> <li>- Palm Hills (Egypt)</li> <li>- Al Dau (Egypt)</li> <li>- Konn Tech (Jordan)</li> <li>- Kleos (Lebanon)</li> </ul>
13:45-14:00	<b>Wrap-Up and Final remarks</b> <ul style="list-style-type: none"> <li>- Dr. Ashraf Kamal, HBRC</li> <li>- Dr. Mohammed Salheen, IDG</li> <li>- Carsten Petersdorff, Guidehouse</li> </ul>
14:00-15:30	<b>Lunch and Networking</b>