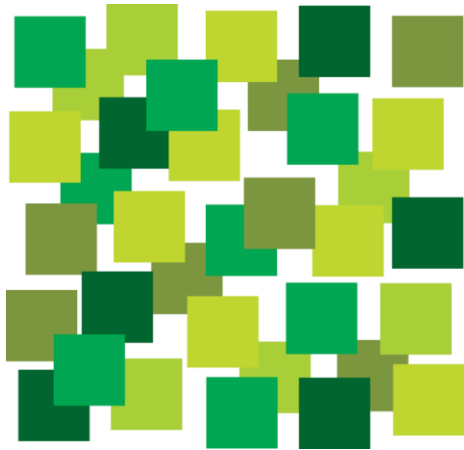


**JORDAN GBC**

المجلس الأردني للأبنية الخضراء  
Jordan Green Building Council

# Jordan Green Building Council

Eng. Ala'a Abdalla  
Executive Director



**JORDAN GBC**

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Jordan Green Building Council

## About Jordan GBC



## About Jordan GBC



- ▶ A healthy sustainable, and resource efficient environment. is affordable and available for all individuals and local communities.



- ▶ Increase and spread awareness about the green built environment.



- ▶ Recognizing healthy and sustainable environment as a human right.

## Jordan GBC Pillars

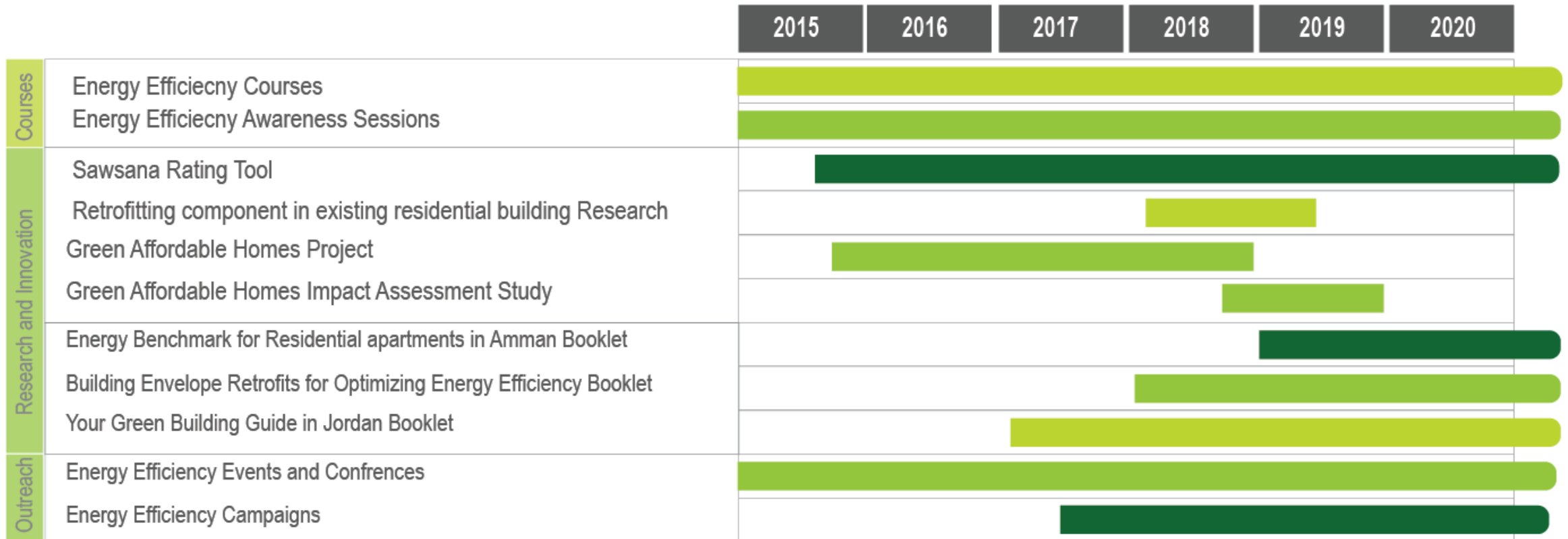
**Green Academy**

**Research And  
Innovation**

**Membership And  
Networking**

**Marketing And Outreach**

## Jordan GBC History in Energy Efficiency



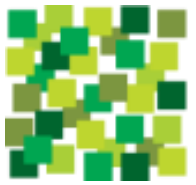
## Jordan GBC Pillars

**Green Academy**

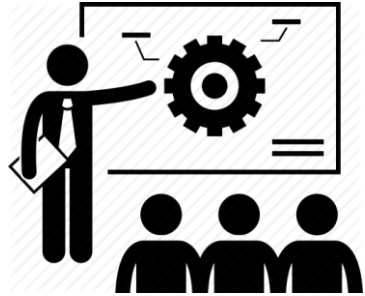
**Research And  
Innovation**

**Membership And  
Networking**

**Marketing And Outreach**



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Interactive Courses



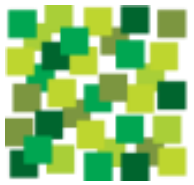
Awareness Sessions



Green Tours

**Green Academy**

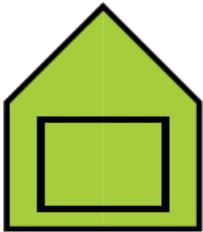




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**LEED basic strategies  
and concepts**



**Energy efficiency in  
building envelope**



**Design of NetZero  
buildings**



**Water use efficiency in  
buildings**

# Green Academy Courses

## Jordan GBC Pillars

**Green Academy**

**Research And  
Innovation**

**Membership And  
Networking**

**Marketing And Outreach**



11 Publications



22 Projects



5 Studies

**Research And Innovation**



Green Affordable  
Homes Project

**ADVANCING NET  
ZERO**

Advancing Net Zero



Better Places for  
People



WE SMART Project

Some of our  
projects

## Jordan GBC Pillars

**Green Academy**

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Design and supervision



22 Members

Marketing and advertising



2 Members

Energy and environmental solutions



7 Members

Education



3 Members

Suppliers



12 Members

Environmental organizations



One Member

Specifications and Standards



2 Members

Logistic services



One Member

Hospital



One Member

Economy and Finance



3 Members

Trade and retail



One Member

Law



One Member

Contractors and Suppliers



11 Members



Number of corporate members reached

77



In addition to  
52 individual members  
13 student members

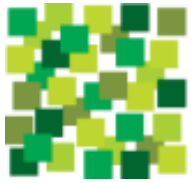
## Jordan GBC Pillars

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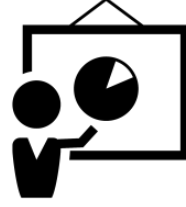
**Agreements &  
MOU's**



**International and  
local meetings**



**Ceremonies**



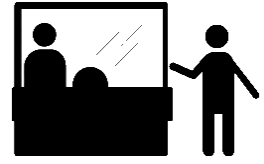
**Workshops**



**Forums and  
discussions**



**Conferences**



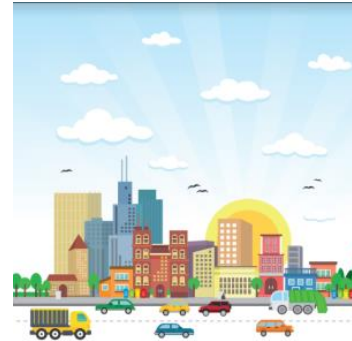
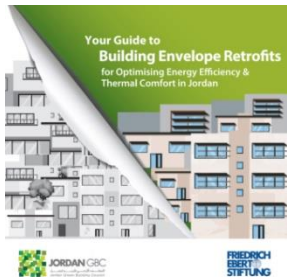
**Exhibitions**

# Marketing and Outreach





**Guidelines for Green Affordable Homes**



**YOUR GUIDE TO WASTE MANAGEMENT IN JORDAN**  
WASTE SORTING INFORMATIVE BOOKLET

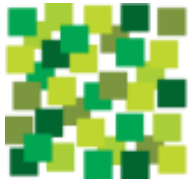


Some of our publications

# Developing an Energy Benchmark For Residential Apartments in Amman

[ONLINE BOOKLET HERE](#)





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## What Is Energy Benchmarking?

Method used to determine how much **energy the building is using** comparing it to buildings that share **Similar Characteristics**

## Levels of Benchmarking

1. Internal Benchmarking

2. External Benchmarking

## Benchmarking Benefits



### **Energy Saving Benefits:**

Energy benchmarking can result with an **annual energy saving 2.4%**



**Market Competition Benefits:** Certified green buildings have proven to achieve higher rents than traditional buildings.



**Lower Operational Expenses:** Buildings which have been Benchmarked for **three straight years** saved an **average of 7%**

## Benchmarking Benefits



**Governmental Benefits:** Benchmarking information allows policy makers to understand where the most inefficient buildings are and design more effective methods of addressing them.



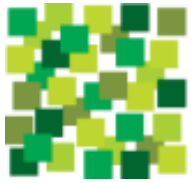
**Environmental and Health Benefits:** Occupants of energy-efficient buildings benefit from: better Indoor comfort Better health and well-being



**Design and Environmental Awareness:** when users understand the effect of their behavior on energy use and consumption, they will show a responsible pattern of behavior.

## Benchmarking Tools





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# **ENERGY CONSUMPTION SURVEY FOR RESIDENTIAL APARTMENTS**



## General Characteristics



Age

Above 30



Gender

47: 53



Number of Occupants

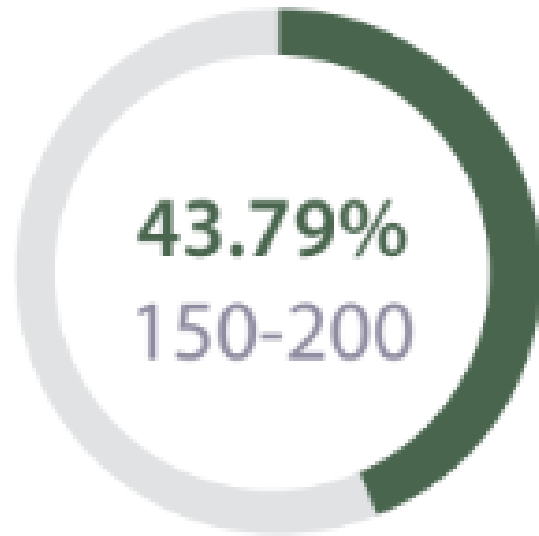
4-5



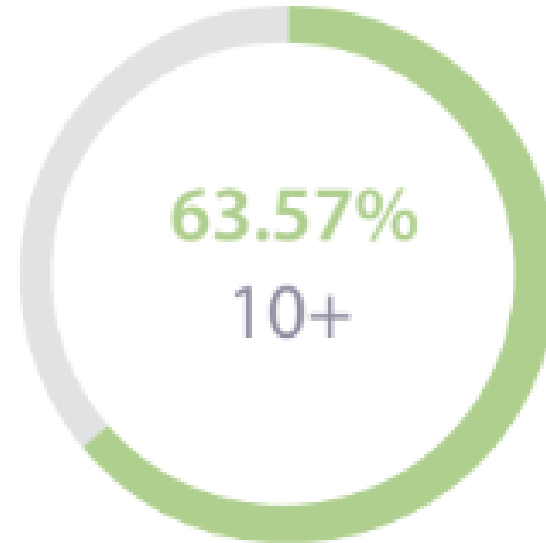
Occupancy Hours

63.79%

## Building Characteristics



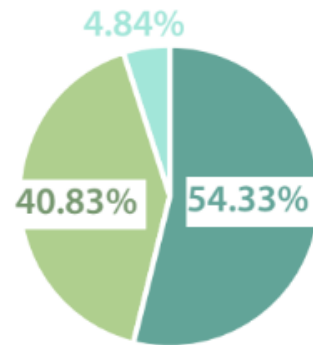
Apartment Area



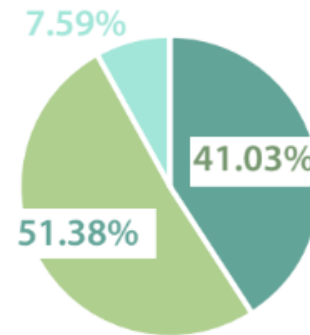
Building Age

## Construction Characteristics:

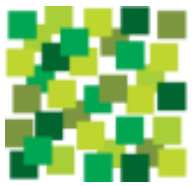
### Window Air Leakage



### Weather Stripping on Doors



● Yes ● No ● I Have No Idea



## Construction Characteristics:



Single Galzed

**38.97%**



Double Galzed  
-PVC-

**12.76%**



Double Galzed  
-Aluminum-

**40.34%**



I Have No Idea

**7.93%**

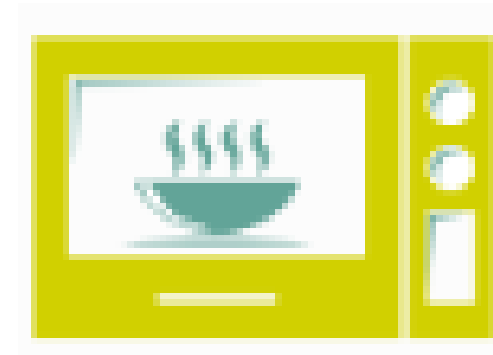
## Other Characteristics:



**Lighting**



**Cooling and  
Heating Systems**



**Home Appliances**

## Energy Use Intensity (EUI)



Building  
type



Weather  
conditions



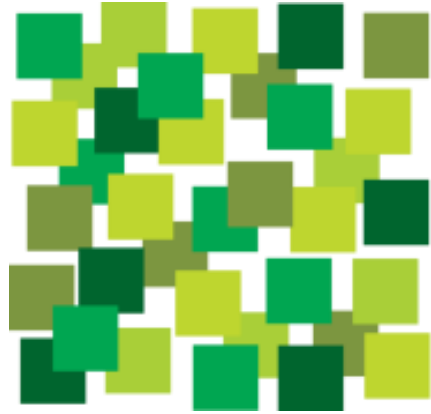
Working  
hours



Number of  
occupants

## Energy Use Intensity (EUI)

91.4 kWh/m<sup>2</sup> .a



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**Thank you!**