



# Internationale Sommerakademie 2020

## Preisträger: 1. Platz

PAVILHÃO

# ARA

Architecture of the Future Pavilion in Ankara, designed by the first prize winner of the competition.



## 4MOTION ANKARA

Büşra Bostancı  
Gizem Nur Aydemir

Gülin Yazıcıoğlu  
Hatice Biyık

Virtual Sur  
Energy Efficiency



### The Analysis

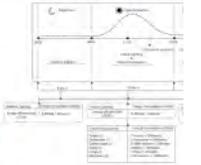
Proposed Passive Systems



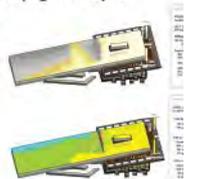
### Existing District Heating Tun



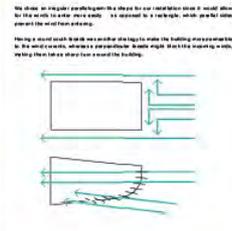
### Electricity Load and PV Pane



### Daylight Analysis

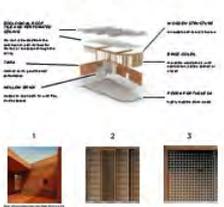


### Building Elements with T

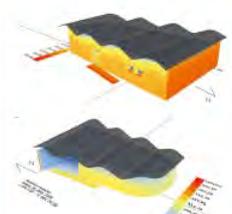
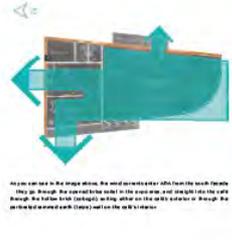
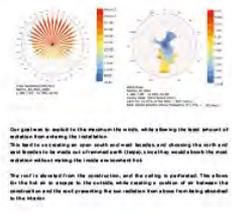


### CONCEPTS:

NATURAL AND RENEWABLE MATERIALS  
SHADING  
WIND EXPLOITATION

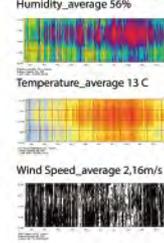


1. The pavilion is designed to be a modern and sustainable structure, using natural and renewable materials.
2. The pavilion is designed to be a modern and sustainable structure, using natural and renewable materials.
3. The pavilion is designed to be a modern and sustainable structure, using natural and renewable materials.



### The Site

#### Weather Conditions

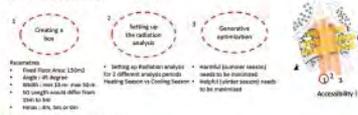


Selected site in Ankara is METU campus



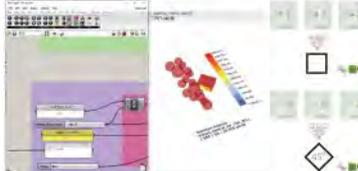
### The Project

#### Our Approach



#### Chosen Option

Min radiation : 210 kwf/m2  
Which is 12x12,5x4m mass box



#### Plans



