

## #Week 7

**\*\* Task 1\*\*** Provide a summary of the main concepts that went through about solar radiation (formulas are not needed)

**\*\* Task 2\*\*** Y create a pdf file with screenshots of all of the steps we went through in the second lesson on openStudio and explain briefly the reason behind the use of each step (in your own words!)

### **Task 1**

Solar radiation is electromagnetic energy emitted by the sun from a nuclear fusion reaction that creates electromagnetic energy.

Direct solar radiation (also known as direct iridescence) is the radiation that maintained the direction of incidence.

Solar radiation absorption is due to some atmospheric components, especially ozone, water and carbon dioxide

Air mass is the sun to the zenith crosses the minimum thickness of the atmosphere, the sun with an elevated zenith angle crosses a large thickness of the atmosphere.

Solar radiation available on the Earth's surface for conversion in other energy forms (such as solar electrical energy) depends on: the sun's position, the weather condition, the site's sea level, and the daylight hours.

### **Task 2**







