

Week 7

TASK 1

Solar Radiation:

It is the energy emitted by the sun, but part of this heat is absorbed or scattered (dispersion) in the atmosphere.

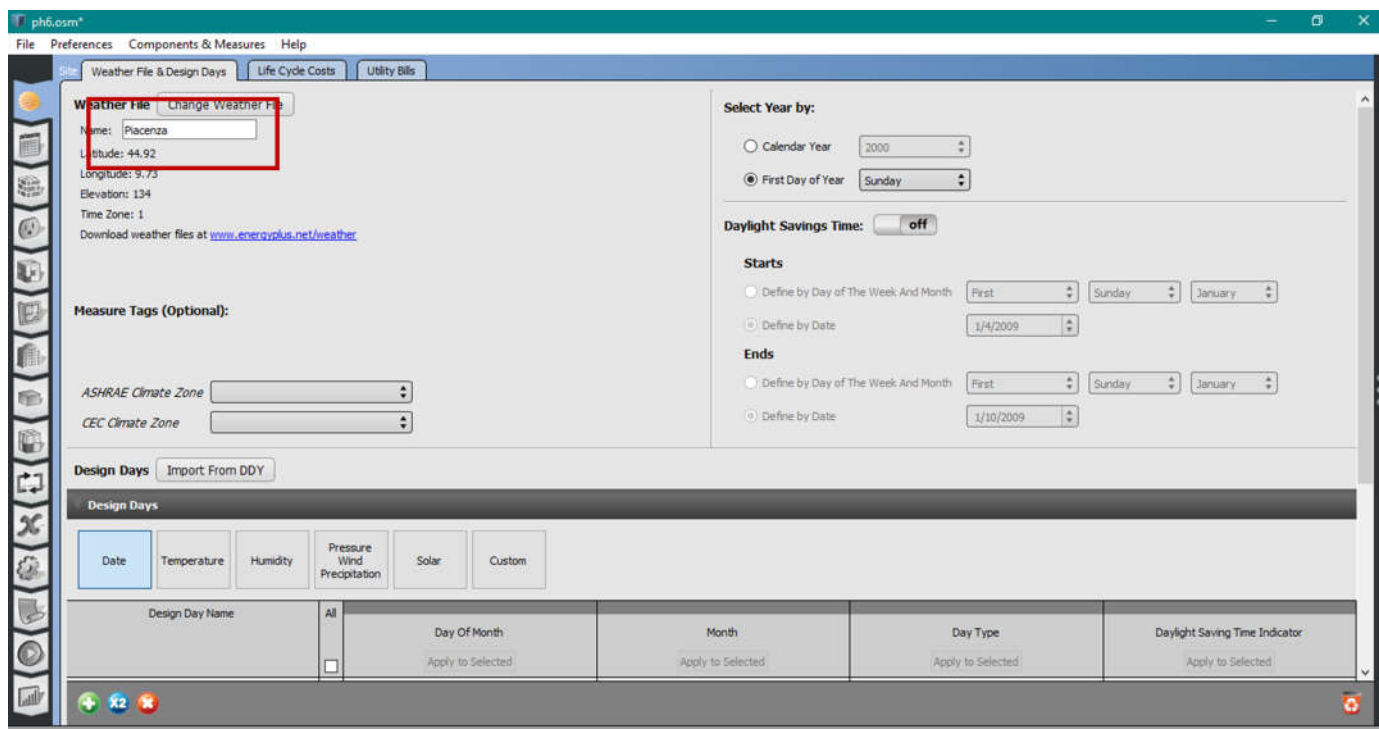
The radiation depends on:

- location of the sun: latitude
- Direction of the wall: if it is in the north, south, west, east
- Time and the season (axis of the sun)
- weather

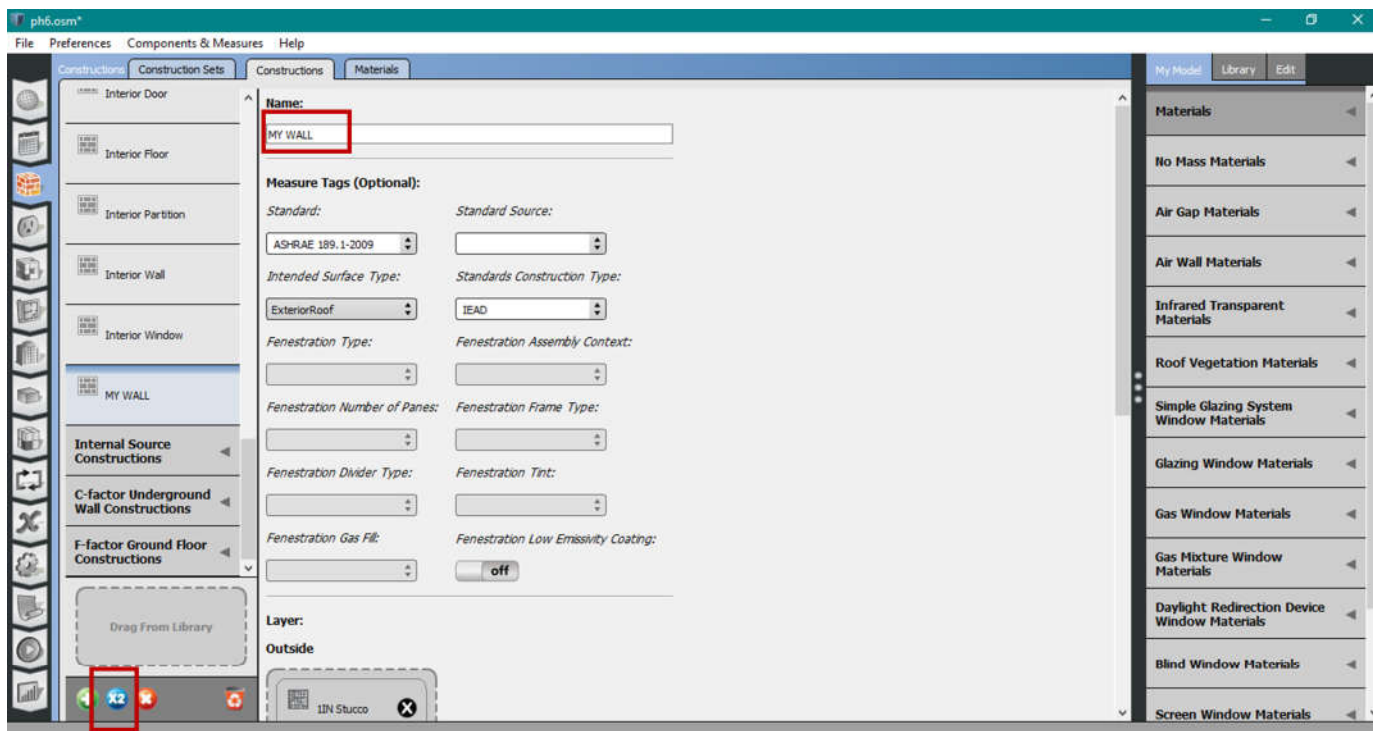
The total radiation is the sum of the direct and the diffuse radiation

TASK 2

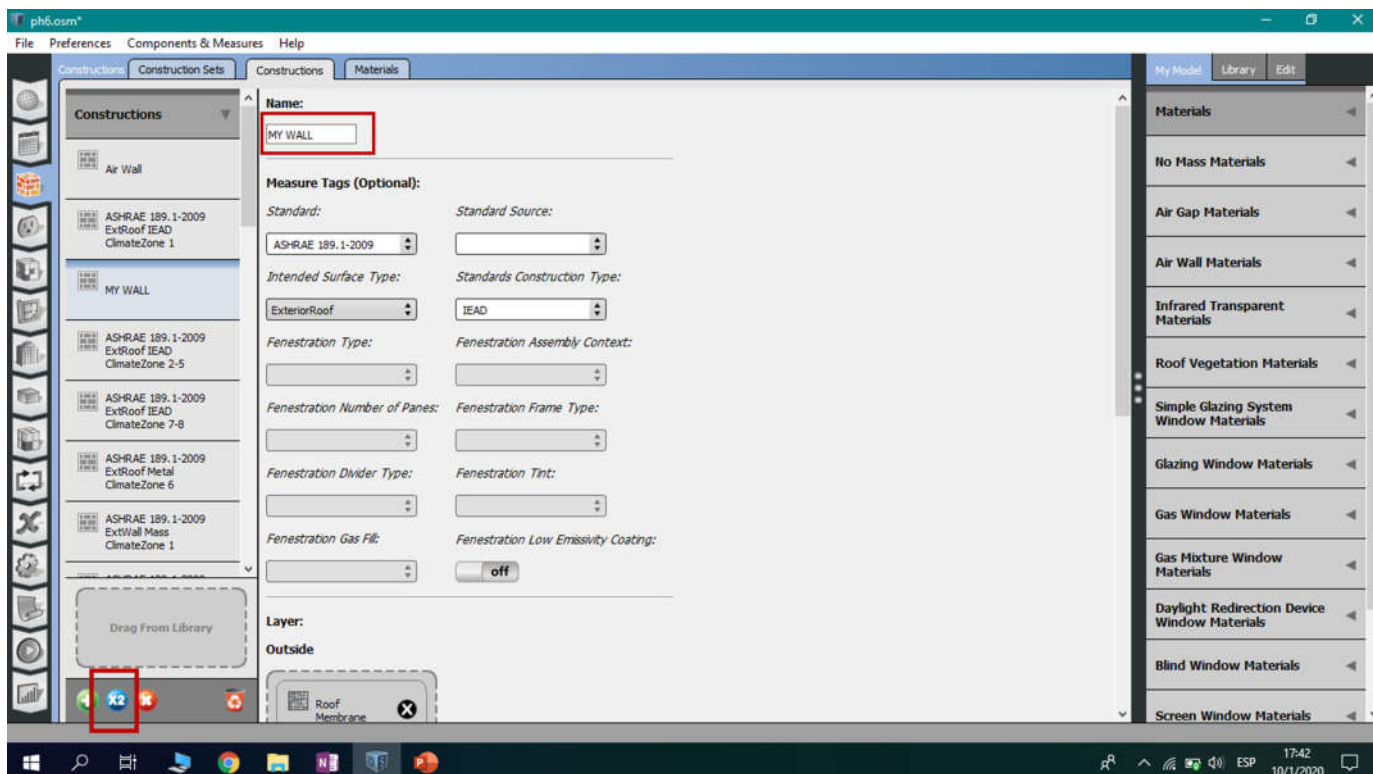
1. We go to "SITE" and upload the weather data of the place, in this case: Piacenza



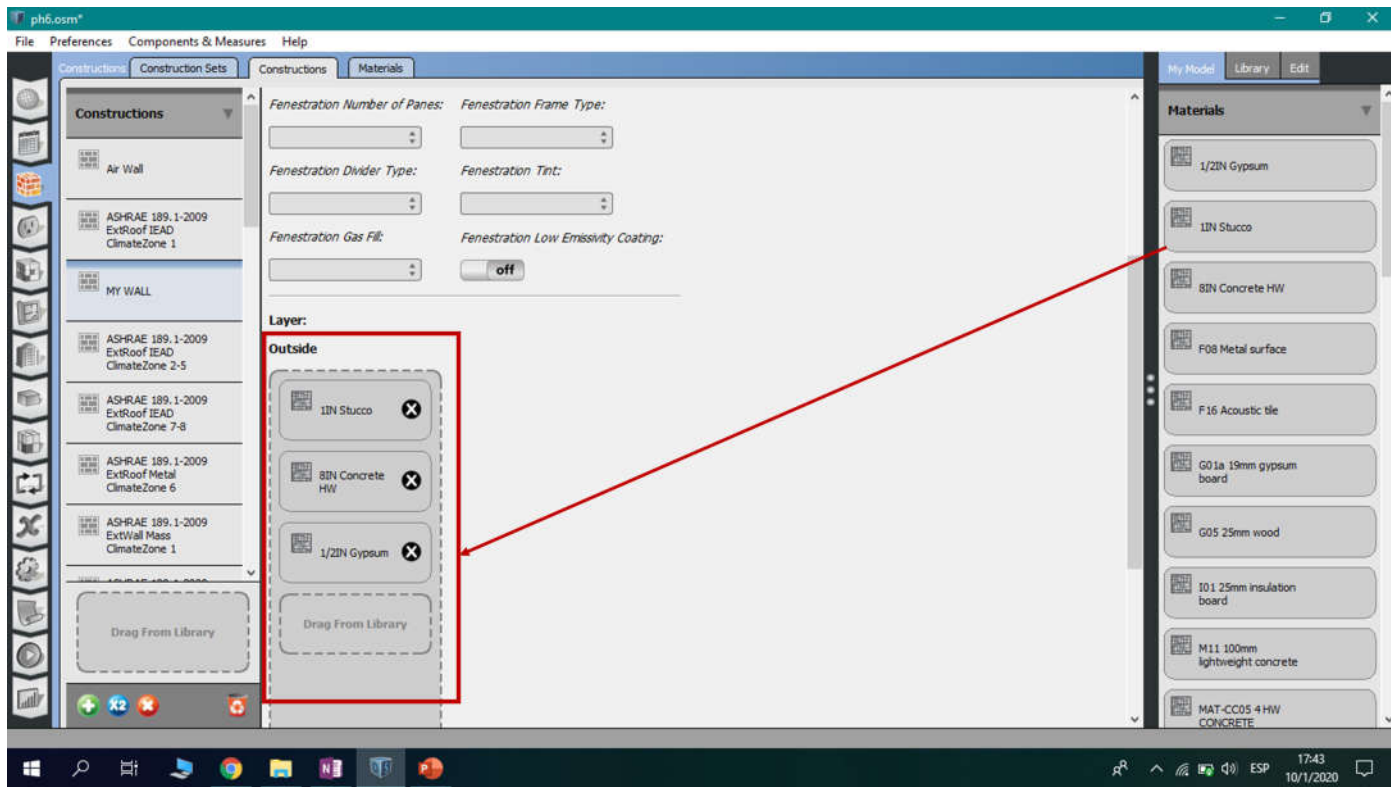
2. We go on the 3er bottom "CONSTRUCTION" to create our own material. First, we duplicate an existing one, and then we rename our own wall.



- on Construction, again we duplicate a type of wall, and change the name to our own type



At the right, there is a list of all the components our wall can have, in the layers we can add all the different layer we will like have



4. In the MATERIAL tag, we can change some specification like thickness in the material. For that, we first duplicate an existing material, rename it, and change what we want.

