

Figure 1: Conceptual Model

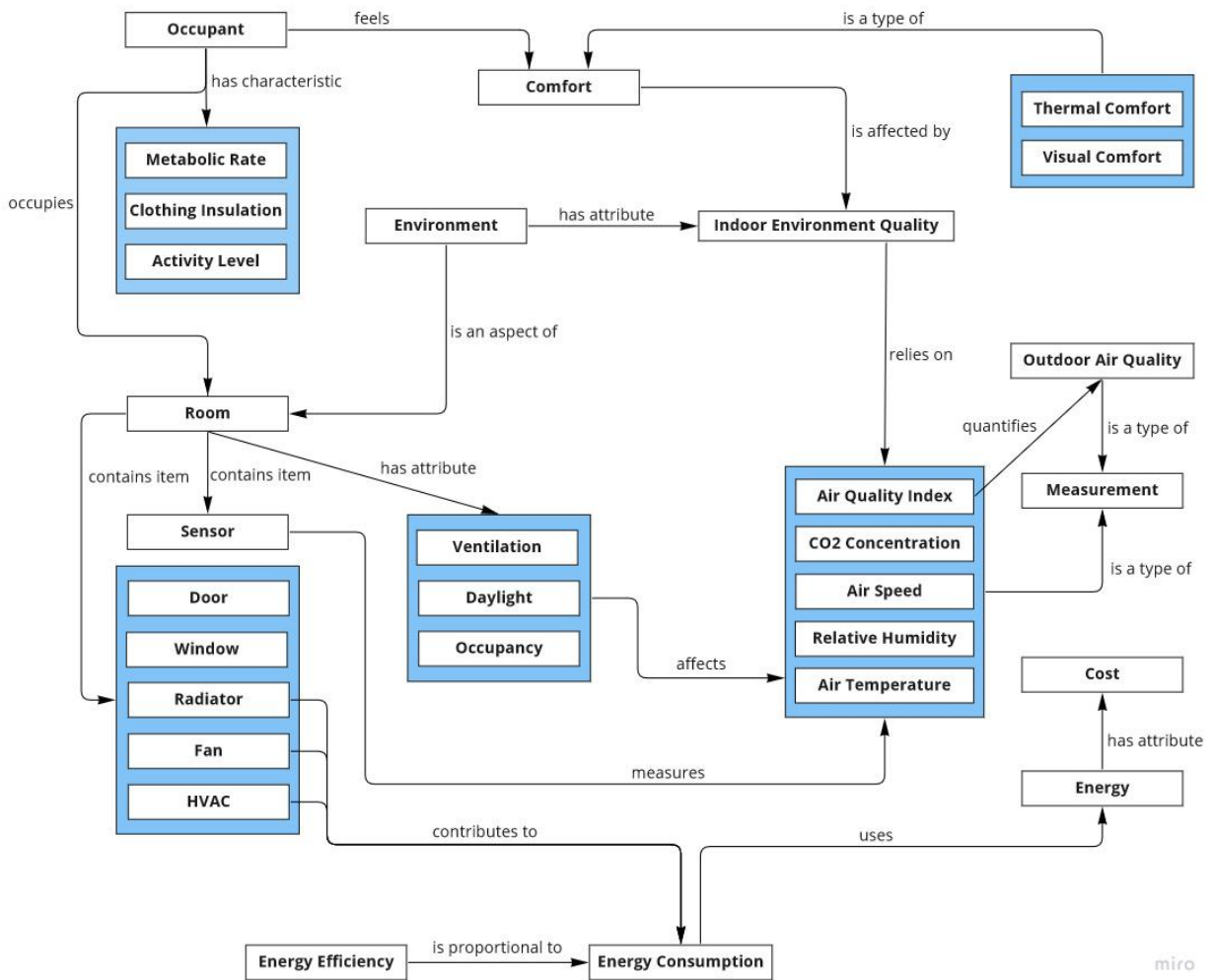


Figure 1 shows the relationship between several categories of concepts our model uses, including a room our system could operate in as well as its occupants, attributes pertaining to the room's environment, items in the room that affect its environment, various relevant measurements, attributes of the occupants, and types of comfort the occupant may experience. The diagram also depicts the relationship between the state of this room and its energy usage.