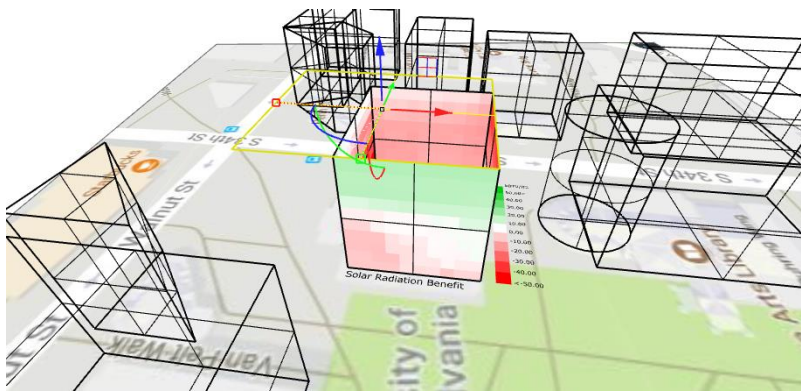
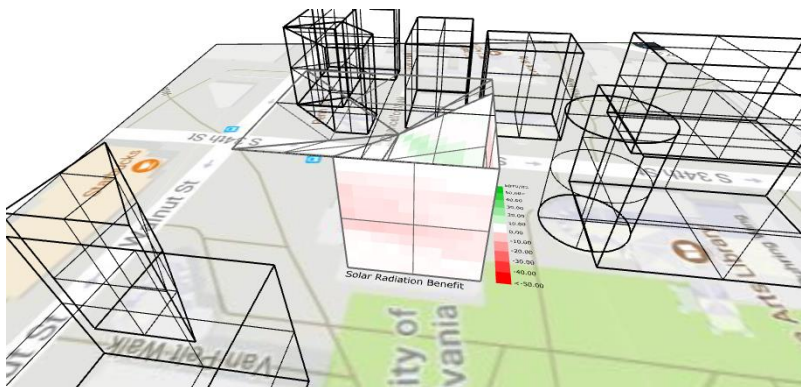


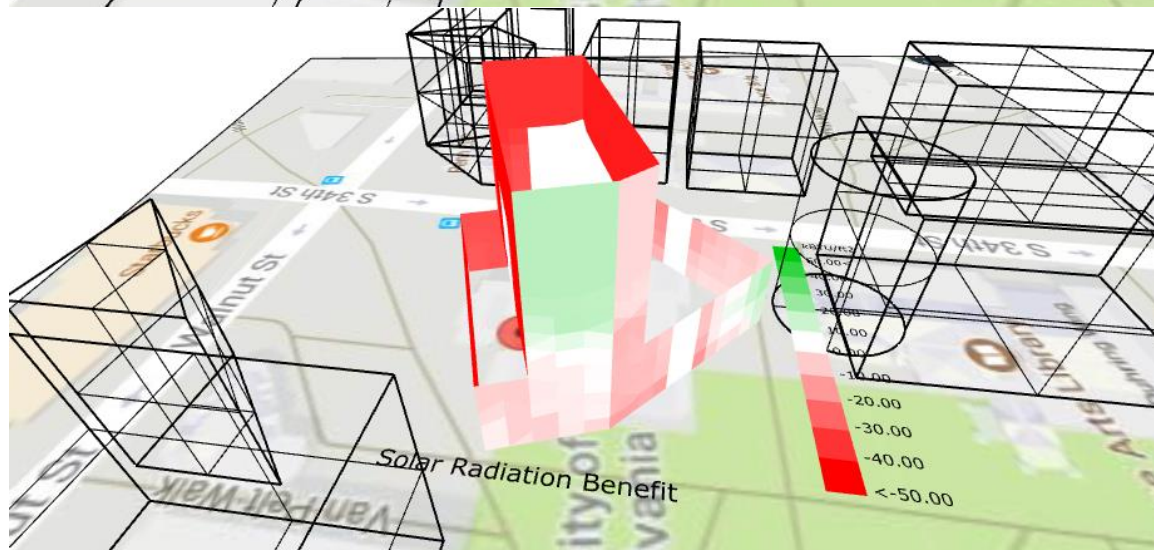
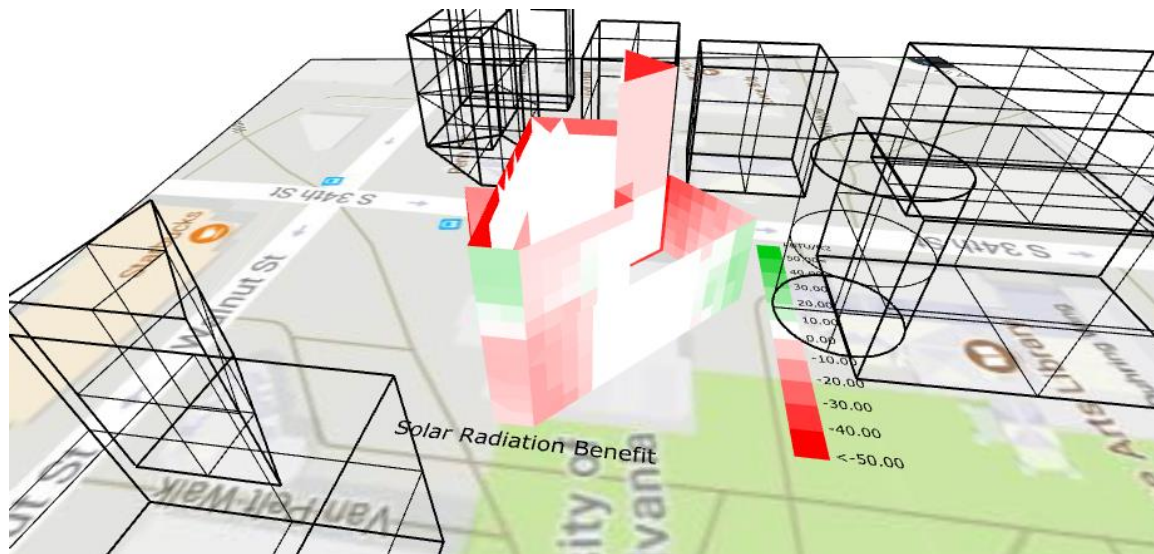
The simplest cubic massing shows the worst area in the facade which are shown in red.



Then if the roof is extruded in the two directions to shade the facades which are red can change the red to white. Thus the shading can improve the solar radiation benefits.



And then in order to further improve the solar radiation benefits, the facade of the building are inclined inside in order to get rid of solar radiation. And the method is very useful because the color of the two facades become white and green as shown in the image.



And I tried the two complex massing which have more variations in height and different geometries. The colors on the facades become more variations. However, the facades toward the two directions stay very red as the first image (cubic massing) shows. So the geometries does not affect too much about the solar radiation benefit. In stead the shading of the roof and the inclination of the facade have more influence.