

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Designing a Cooler Community

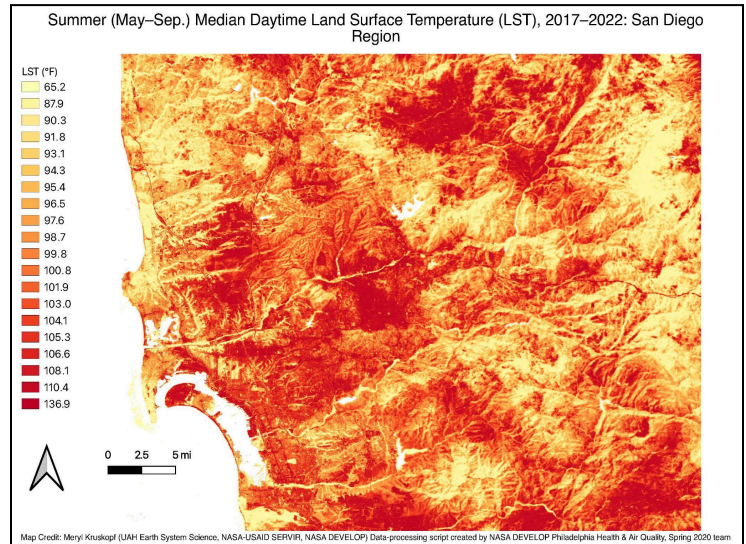
## 5th Grade UGC Performance Task



### Scenario

Has there ever been a day where you thought it was too hot to go outside? The city of San Diego has been feeling the effects of rising temperatures. Some neighborhoods and schools are much hotter than others, especially where there are lots of buildings, roads, and very few trees. City leaders have noticed that this creates problems — higher energy use, unhealthy plants, and people feeling uncomfortable or even unsafe to go outside during heat waves.

The city council wants to know: ***How can we design a “Cooler Community”?***



### Task

Your class has been invited to work as a team of junior environmental designers to help design this community of the future.

- **As a team**, you will explore *data* that explain the reasons some locations are hotter than others.
- **As a team**, you will discuss a text and use a model to explain how heat interacts with earth's systems and our land.
- **As a team**, you will design one part of our future cooler community and create a model that shows how it will lead to cooler temperatures.
- **Individually**, you will use the data and your model to explain how your design will help create a cooler community.