SURA - Meeting Notes

Shih-Ting (Cindy) Huang

Tasks

Week 1

1. Go through the HMS description website and examine data retrieval, product information.
2. Determine the time frame of the data, its structure, and whether we can solely rely on the hazard mapping system (HMS) as a data source.
3. Download a data sample and map it.

Week 2

1. Figure out if we can calculate smoke area.
2. Investigate how to link information between the smoke and fire detection datasets.
3. Create better visualizations of the smoke KML data.
4. Create histograms of fire detection times throughout the day and color by satellite/method of detection to see if they always collect data at the same times.
5. Examine the change of fire points overtime, specifically for the California campfire (November 7th, 2018 - November 16th, 2018).
6. Summary of ecosystem types (variable "ecosys").
7. Look into how to structure the fire dataset.

- Want to use fire as a predictor for the two projects
- Would be useful to get information on area, intensity, smoke amount
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8. Check out FEER.v1: do they have data available, or do we only have access to the model? Can we combine this data with the HMS data based on location?