



CPSC 547 Pitch 2020
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CNN

Tens of thousands of fires are pushing the Amazon to a tipping point

"Most of (the fires) are illegal," said Tasso Azevedo, a former head of Brazil's forest service and coordinator of MapBiomas. [Read More.](#)

3 weeks ago



What's behind the 'unprecedented' wildfires ravaging California



More evidence of climate change role in extreme fires in Western Canada and U.S.



[Emily Chung](#) · CBC News · Posted: Sep 12, 2020 4:00 AM ET | Last Updated: September 12



Record-breaking California wildfires scorch 8,000 sq. km, prompting closure of state forests



A gender-reveal event gone wrong is blamed for the El Dorado fire that has now scorched 30 square km

The Associated Press · Posted: Sep 07, 2020 9:38 AM ET | Last Updated: September 7



NS New Statesman

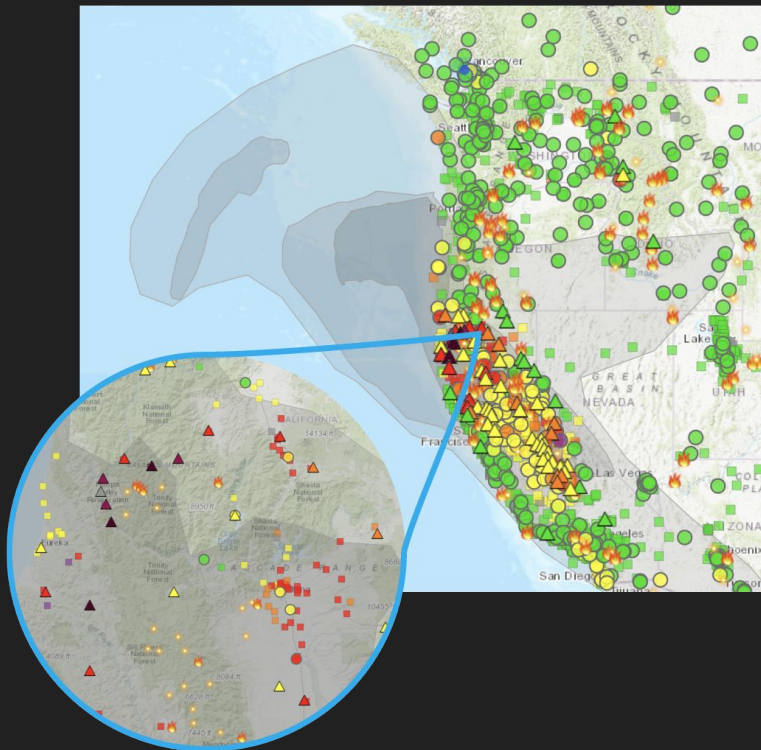
Are Australia's bushfires our future?

From December 2019 and into 2020, fires burned in Australia like never before. By their end, they had affected more than one billion animals, ...

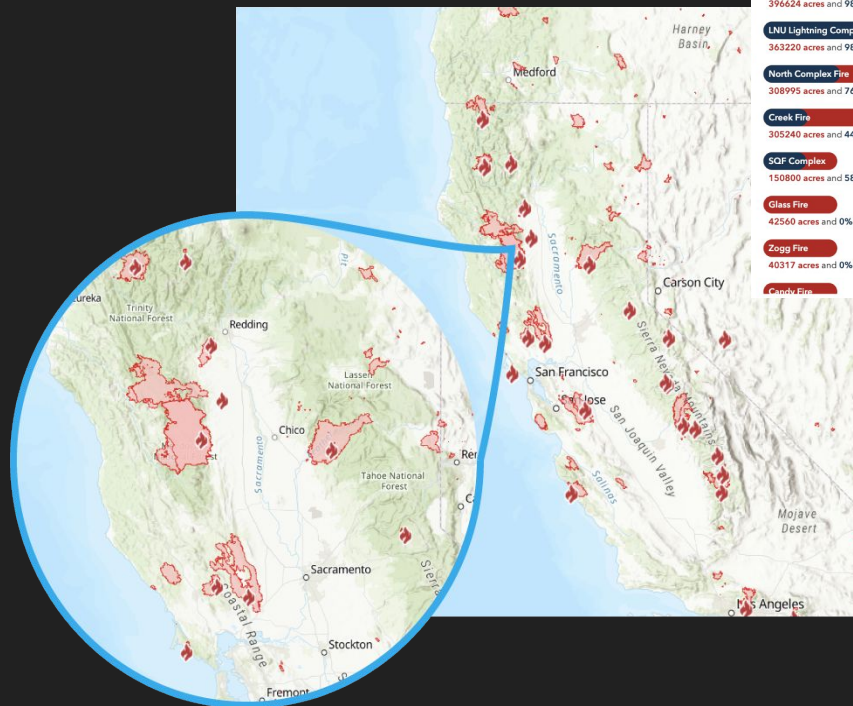
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Current Approaches

Fire.airnow.gov



Fire.ca.gov



Active Incidents

- August Complex (includes Doe Fire)**
938044 acres and 43% contained as of 9:56am
- SCU Lightning Complex**
396624 acres and 98% contained as of 9/19/2020
- LNU Lightning Complex**
363220 acres and 98% contained as of 9/22/2020
- North Complex Fire**
308995 acres and 76% contained as of 8:05am
- Creek Fire**
305240 acres and 44% contained as of 8:44am
- SQF Complex**
150800 acres and 58% contained as of 2:40pm
- Glass Fire**
42560 acres and 0% contained as of 3:59pm
- Zogg Fire**
40317 acres and 0% contained as of 6:43am
- Candy Fire**

Data Sources

- FIRMS (Fire Information for Resource Management) : data of the area of current fires from the past 24h, 48h, 7d. Also organized by region or worldwide.
- EPA (Environmental Protection Agency) : data of the air quality centres around the US
- NAPS (National Air Pollution Surveillance Program) : data of the air quality centres around Canada

Project approach



Possible Directions for Contributions

- Create a dashboard having an interactive map as a go to tool for residents, campers..
- Analyze the data collected over the year and visualize trends represent patterns, mark unusual events connect the dots between wildfires and climate change
- Add visual or verbal metaphors on the dashboard to explain size of affected areas amount of smoke