

## MORE MEGAFIRES GLOBALLY

By middle of 21st century,  
**35%**  
increase in days with high  
fire danger across the world<sup>1</sup>



# Climate Change Impacts on Wildfires in Hawai'i



## HAWAI'I IS NO EXCEPTION!

CLIMATE CHANGE CONTRIBUTES TO CONDITIONS  
KNOWN TO **INCREASE WILDFIRE HAZARD**



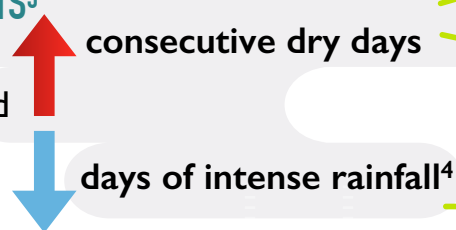
**4-5° F**  
PROJECTED WARMING FOR HAWAI'I  
For high emission scenarios<sup>2</sup>

“ Fire is tied to rainfall patterns in Hawai'i much more than temperature. Fires are **more frequent in dry leeward areas** and **larger fires** happen under **drought conditions**. ”

— Dr. Clay Trauernicht, Wildfire Extension Specialist, University of Hawai'i CTAHR Cooperative Extension and Pacific Fire Exchange

## HAWAII IS ALREADY EXPERIENCING LONGER DROUGHTS<sup>3</sup>

Past **30 years**  
all Hawaiian Islands have experienced



## MORE WILDFIRES IN HAWAI'I MEAN MORE IMPACTS



## THERE IS A LOT YOU CAN DO TO PROTECT YOUR FAMILY, HOME, AND COMMUNITY

Go to:  
[hawaiiwildfire.org/takeaction](http://hawaiiwildfire.org/takeaction)

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2. Keener, V.W., K. Hamilton, S.K. Izuka, K.E. Kunkel, L.E. Stevens, and L. Sun. 2013. Regional Climate Trends and Scenarios for the U.S. National Climate Assessment. Part 8. Climate of the Pacific Islands, NOAA Technical Report NESDIS 142-8, 44 pp.

3. Chu, P.-S., Y.R. Chen, and T.A. Schroeder. 2010. Changes in Precipitation Extremes in the Hawaiian Islands in a Warming Climate. Journal of Climate 23(18):4881-4900. doi: 10.1175/2010JCLI3484.1

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