



1  
00:00:02,680 --> 00:00:09,400  
They seem like works of art...Child's Play.

2  
00:00:09,420 --> 00:00:13,320  
amorphous shapes lost in a sea of colors

3  
00:00:13,340 --> 00:00:17,700  
But there is nothing fun about them. These are images taken from space.....of this.

4  
00:00:17,720 --> 00:00:21,440  
...and this. Countless fires that

5  
00:00:21,460 --> 00:00:25,460  
scarred our earth this year. And with each, giant

6  
00:00:25,480 --> 00:00:29,450  
smoke plumes of carbon monoxide, methane, and carbon dioxide

7  
00:00:29,470 --> 00:00:33,460  
carried up into the atmosphere, into the air we breathe.

8  
00:00:37,490 --> 00:00:41,480  
The total number of acres burned so far this year?

9  
00:00:41,500 --> 00:00:45,490  
Nearly two and a half million

10  
00:00:45,510 --> 00:00:49,510  
How will fire frequency change in a world where the climate is getting warmer?

11  
00:00:49,530 --> 00:00:53,690  
Where dry places will get even less rain?

12  
00:00:53,710 --> 00:00:57,700  
Climate projections show that the drying trend in the

13  
00:00:57,720 --> 00:01:01,710

United States will continue. There will be a greater risk

14

00:01:01,730 --> 00:01:05,720

of fire by the end of the 21st-century in places that aren't prone to

15

00:01:05,740 --> 00:01:09,760

burning now, like the Great Plains and Upper Midwest

16

00:01:09,780 --> 00:01:13,950

Areas like the Mountain West, burning frequently today will

17

00:01:13,970 --> 00:01:17,950

see an even greater number of fires. That means

18

00:01:17,970 --> 00:01:22,130

more homes at risk, more federal dollars spent on rebuilding,

19

00:01:22,150 --> 00:01:26,150

a greater risk to the nation's food supply.

20

00:01:26,170 --> 00:01:30,170

If we reduce our greenhouse gas emissions, can we mitigate these

21

00:01:30,190 --> 00:01:34,180

risks? Under a low-carbon scenario, temperatures

22

00:01:34,200 --> 00:01:38,180

rise by 4.5 degrees, but under a high carbon scenario

23

00:01:38,200 --> 00:01:42,190

temperatures rise by 8 degrees

24

00:01:42,210 --> 00:01:46,280

Either way means more fires