



ARE
HURRICANES
GETTING
STRONGER?



1
00:00:00,281 --> 00:00:04,000
Are hurricanes getting stronger?

2
00:00:05,823 --> 00:00:07,360
NASA.

3
00:00:07,360 --> 00:00:08,634
We Asked a NASA Scientist.

4
00:00:09,000 --> 00:00:15,180
When you say, "Are hurricanes getting stronger?" in the sense of, "Are they going to be category six?"

5
00:00:15,630 --> 00:00:17,406
The answer in that case will be no.

6
00:00:17,406 --> 00:00:22,509
Because of physics, hurricanes do not reach more than category five.

7
00:00:22,509 --> 00:00:28,680
However, we do see more and more hurricanes in the Atlantic every season getting to

8
00:00:28,680 --> 00:00:35,401
category three, category four or category five compared to seasons 40 years ago.

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00:00:35,401 --> 00:00:43,140
NASA does have a huge part in the studies of hurricanes and it starts mainly with the development

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00:00:43,140 --> 00:00:48,058
of all these different instruments that we put on satellites and we put in orbit.

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00:00:48,058 --> 00:00:56,040
As scientists, we are always looking at the reasons why there's this possibility that more and more tropical

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00:00:56,040 --> 00:01:00,346

cyclones are becoming category three or more in every
hurricane season.

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00:01:00,346 --> 00:01:03,424

There is a large influence from
climate change.

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00:01:03,424 --> 00:01:09,574

The warmer the water, the stronger
and the more energy this system is going to have

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00:01:09,574 --> 00:01:11,761

and it's going to just increase in intensity.

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00:01:11,761 --> 00:01:14,647

So, are hurricanes getting stronger?

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00:01:14,647 --> 00:01:16,935

The answer to that will be yes.

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00:01:16,935 --> 00:01:21,653

We are seeing more and more tropical cyclones become category three, four
and five.

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00:01:21,653 --> 00:01:27,016

So in reality yes, we're seeing that
change every season in the last several years.