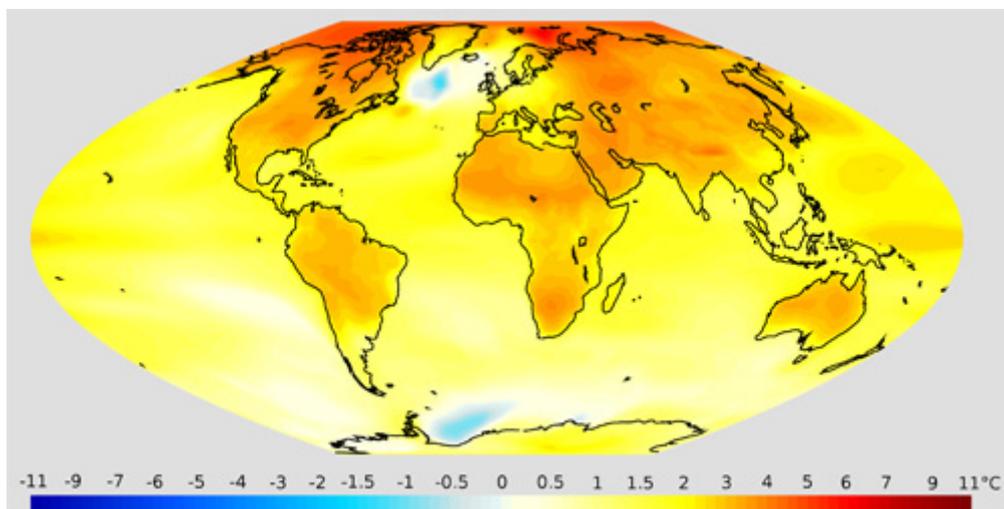


Title:	Across the board climate records broken in 2015
First Broadcast:	August, 2016
Source:	ABC's The World Today
Minutes:	5:54
Audio & Script:	http://www.abc.net.au/worldtoday/content/2016/s4512437.htm
Summary:	One of the most respected international reports into the world's climate has just been released by the National Oceanic and Atmospheric Administration (NOAA) and it contains some alarming figures.
Interviewee(s)	<ul style="list-style-type: none"> Dr Sarah Perkins-Kirkpatrick, senior research associate at the Climate Change Research Centre at the University of New South Wales

KEY WORDS

Below is a list of words which appear in the report - which ones don't you know or you are unsure what they mean?

- | | | |
|--|---|---|
| <input type="checkbox"/> surpass the record (v) | <input type="checkbox"/> coincide with (v) | <input type="checkbox"/> climate variability (n) |
| <input type="checkbox"/> back up with facts (v) | <input type="checkbox"/> compile a report (v) | <input type="checkbox"/> prior to (adj) |
| <input type="checkbox"/> the report concludes (v) | <input type="checkbox"/> area of expertise (n) | <input type="checkbox"/> a small shift (n) |
| <input type="checkbox"/> dismissed as a one off (v) | <input type="checkbox"/> derive numbers (v) | <input type="checkbox"/> frequency of events (n) |
| <input type="checkbox"/> contribute to (v) | <input type="checkbox"/> fraction of an amount (n) | |



DEFINITION MATCH

Can you match the words with their correct definition? Use a dictionary to help you if you aren't sure.

be greater than, exceed	
change, move	
come to a judgement or opinion	
correspond, agree, match	
disregard, reject, think no more of	
help cause or bring about something	
inconsistency, liability to change	
knowledge in a particular field	
obtain, get	
previous, earlier	
put together, assemble, compose	
support, validate, to show something is true	
the rate at which something occurs	
tiny or small part, little	

surpass the record (v)
back up with facts (v)
the report concludes (v)
dismissed as a one off (v)
contribute to (v)
coincide with (v)
compile a report (v)
area of expertise (n)
derive numbers (v)
fraction of an amount (n)
climate variability (n)
prior to (adj)
a small shift (n)
frequency of events (n)

SUMMARY

One of the most respected international reports into the world's climate has just been released by the National Oceanic and Atmospheric Administration (NOAA) and it contains some alarming figures.

FOCUS QUESTIONS

- What is an extreme weather event?
- What is “anthropogenic climate change”?
- Why do you think 2015 was the hottest year on record? Why is this concerning? What will happen if average global temperatures continue to rise?
- Do you think governments will take these latest results seriously? What can governments do to help stop average global temperatures from increasing? Should more action be taken?
- What is the Paris Agreement?

PRE-LISTENING

Before listening to the report, note down what you think the following figure from the report refers to

- 450 scientists from around the world –

LISTENING

Listen to the report and answer the questions below

- Dr Sarah Perkins-Kirkpatrick was shocked by the report's findings. **T / F**
- Dr Sarah Perkins-Kirkpatrick says some of the figures in the report lack reliability because the data came from scientist without the appropriate expertise. **T / F**
- Does she think we will be able to limit warming to 1.5 degrees Celsius by the end of this century as stipulated under the Paris Agreement? **Yes / No**

COMPREHENSION QUESTIONS

After listening to the report, try to answer the following questions

1. Dr Sarah Perkins-Kirkpatrick says 2016 is likely to be even hotter than 2015. **T / F**
2. What does Dr Sarah Perkins-Kirkpatrick say about the effect of El Niño on extreme temperatures and the record-breaking global average temperatures in 2015?
 - a. It had very little effect.
 - b. It had an effect but temperatures would have been hot regardless.
 - c. The hot temperatures were almost entirely due to a very strong El Niño.
3. What extreme weather event does Dr Sarah Perkins-Kirkpatrick say we had a lot of in 2015?
.....
4. What concerns Dr Sarah Perkins-Kirkpatrick the most about the figures related to the extreme temperatures?
5. How confident is she that governments will take these latest results seriously?
 - a. She is certain they will.
 - b. She is optimistic they will.
 - c. She is not at all confident they will.
6. Dr Sarah Perkins-Kirkpatrick thinks if we work together to meet the Paris Agreement, is more likely that average global temperatures will warm up by how much?
..... **by the end of this century.**
7. Dr Sarah Perkins-Kirkpatrick says a small shift in average temperatures results in quite **a small / a large** change in extreme temperature and the frequency of those events.

CLOZE

Use the words to complete the sentences

The form of the word may need to be changed

surpass	back up	concludes	dismissed	contribute
coincide	compile	expertise	derive	
fraction	variability	prior	shift	frequency

- Although they mostly had views on the need for action on climate change, there was a lot of debate between the politicians about how they could best achieve their shared objectives.
- As global temperatures rise, some types of extreme weather, such as droughts and floods, have become more
- Because exchange rates are highly, many export companies sell goods in US dollar prices because this currency tends to be more stable.
- In the US, universities a lot of their income from donations, especially from former students.
- Only a tiny of the population have an annual income of more than \$1 million.
- Since the global financial crisis, there has been a in public opinion regarding the urgency of action to fight climate change. Fewer people supported policies if they might weaken the economy.
- The agricultural sector is the third largest to global emissions, following the burning of fossil fuels for power and heat, and transportation.
- The company had been running at a big loss to the new management team taking over and introducing a number of successful changes.
- The group of environmentalists a list of demands for action on climate change to present to politicians who had gathered to discuss the issue.
- The teacher said to the student he didn't believe that someone had stolen his bag on the way to school and that's why he couldn't hand in his assignment on climate change. But the student said there were several eyewitnesses who could his story.
- After listening to the boy's friends' accounts of what happened, the teacher that he was telling the truth about his bag being stolen.
- The tennis player had a great 2015 by winning 4 tournaments and finishing number 4 in the world. But she had already that performance this year with 6 tournament wins and a career high ranking of number 2.
- To be a good doctor, medical is fundamental but you also need to have good communication skills.
- When questioned about his controversial views on climate change, the politician said there were several respected climate scientists who believed rising global temperatures were not the result of human activity and their views shouldn't be so quickly

ANSWERS

<ul style="list-style-type: none"> • 450 scientists from around the world – Number of scientists that contributed to the report • F • F • no 	<ol style="list-style-type: none"> 1. T 2. It had an effect but temperatures would have been hot regardless 3. Heatwaves 4. That there were a lot of heatwaves and they were occurring all over the world 5. She is optimistic they will 6. 2 to 2.5 degrees by the end of this century 7. large
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be greater than, exceed	surpass
change, move	shift
come to a judgement or opinion	concludes
correspond, agree, match	coincide
disregard, reject, think no more of	dismissed
help cause or bring about something	contribute
inconsistency, liability to change	variability
knowledge in a particular field	expertise
obtain, get	derive
previous, earlier	prior
put together, assemble, compose	compile
support, validate, to show something is true	back up
the rate at which something occurs	frequency
tiny or small part, little	fraction

1. Although they mostly had **coinciding** views on the need for action on climate change, there was a lot of debate between the politicians about how they could best achieve their shared objectives.
2. As global temperatures rise, some types of extreme weather, such as droughts and floods, have become more **frequent**.
3. Because exchange rates are highly **variable**, many export companies sell goods in US dollar prices because this currency tends to be more stable.
4. In the US, universities **derive** a lot of their income from donations, especially from former students.
5. Only a tiny **fraction** of the population have an annual income of more than \$1 million.
6. Since the global financial crisis, there has been a **shift** in public opinion regarding the urgency of action to fight climate change. Fewer people supported policies if they might weaken the economy.
7. The agricultural sector is the third largest **contributor** to global emissions, following the burning of fossil fuels for power and heat, and transportation.
8. The company had been running at a big loss **prior** to the new management team taking over and introducing a number of successful changes.
9. The group of environmentalists **compiled** a list of demands for action on climate change to present to politicians who had gathered to discuss the issue.
10. The teacher said to the student he didn't believe that someone had stolen his bag on the way to school and that's why he couldn't hand in his assignment on climate change. But the student said there were several eyewitnesses who could **back up** his story.
11. After listening to the boy's friends' accounts of what happened, the teacher **concluded** that he was telling the truth about his bag being stolen.
12. The tennis player had a great 2015 by winning 4 tournaments and finishing number 4 in the world. But she had already **surpassed** that performance this year with 6 tournament wins and a career high ranking of number 2.
13. To be a good doctor, medical **expertise** is fundamental but you also need to have good communication skills.
14. When questioned about his controversial views on climate change, the politician said there were several respected climate scientists who believed rising global temperatures were not the result of human activity and their views shouldn't be so quickly **dismissed**.