

## Scientists warn of more extreme hot weather

9th July, 2021



Climate scientists have warned that many parts of the world will experience more extreme heat. The experts are from Copernicus, the European Union's Earth Observation Programme. Its

meteorologists analysed world temperatures from satellites, aircraft, weather stations and other databases from around the world. The scientists reported that their figures indicated a high likelihood of an escalation in extreme temperatures. They said: "It was the second warmest June on record for Europe....Heatwave conditions persisted over western North America, where many temperature records were broken. Arctic Siberia also experienced high temperatures."

Professor Peter Stott of the UK's Meteorological Office said: "We are getting used to record high temperatures being recorded somewhere around the world every year now." He added that his primary concern was not the fact that regions are experiencing more heatwaves, but that record high temperatures are increasingly being broken by such large margins. Talking about Canada's recent "heat dome" weather event, professor Stott said: "It is telling us that changes in average climate are leading to rapid escalation not just of extreme temperatures, but of extraordinarily extreme temperatures." The scientists warned that a warming world would mean more droughts and heat-related deaths.

Sources: yahoo.com / washingtonpost.com / cnn.com

### Writing

All world governments should declare a climate emergency. Discuss.

### Chat

Talk about these words from the article.

climate / scientists / world / meteorologists / satellites / temperatures / records / record / somewhere / primary / concern / regions / weather / heatwaves / droughts

### True / False

- 1) Scientists said the whole world will experience extreme heat. T / F
- 2) The data in the article comes from the European Union. T / F
- 3) Scientists say last June was the warmest on record. T / F
- 4) Arctic Siberia also experienced record high temperatures. T / F
- 5) A meteorologist said we would never get used to high temperatures. T / F
- 6) Temperature records are being broken by tiny margins. T / F
- 7) A professor warned of extraordinarily extreme temperatures. T / F
- 8) Scientists are warning of more droughts. T / F

### Synonym Match

(The words in **bold** are from the news article.)

- |                         |                     |
|-------------------------|---------------------|
| 1. <b>experience</b>    | a. data             |
| 2. <b>extreme</b>       | b. gaps             |
| 3. <b>meteorologist</b> | c. continued        |
| 4. <b>figures</b>       | d. severe           |
| 5. <b>persisted</b>     | e. main             |
| 6. <b>recorded</b>      | f. quick            |
| 7. <b>primary</b>       | g. undergo          |
| 8. <b>margins</b>       | h. lack of rain     |
| 9. <b>rapid</b>         | i. documented       |
| 10. <b>drought</b>      | j. weather forecast |

### Discussion – Student A

- a) Would you like to be a climate scientist?
- b) What extreme weather have you experienced?
- c) Has the weather in your country changed in any way?
- d) What is your favourite weather?
- e) What is causing the extremes in weather?
- f) Would you rather experience extreme heat or cold?
- g) What are the dangers of extreme heat?
- h) What will happen if the Arctic warms up?

## Phrase Match

- |                                       |                            |
|---------------------------------------|----------------------------|
| 1. their figures indicated a          | a. in extreme temperatures |
| 2. an escalation                      | b. concern                 |
| 3. It was the second warmest June     | c. high temperatures       |
| 4. Heatwave conditions persisted over | d. high likelihood         |
| 5. Arctic Siberia also experienced    | e. escalation              |
| 6. being recorded somewhere           | f. related deaths          |
| 7. his primary                        | g. margins                 |
| 8. being broken by such large         | h. western North America   |
| 9. leading to rapid                   | i. around the world        |
| 10. more droughts and heat-           | j. on record               |

## Discussion – Student B

- What do you think about what you read?
- Which countries will be hit most by extreme temperatures?
- What do you know about Canada's heat dome?
- How high can temperatures go?
- What is the best way to survive extreme heat?
- What three adjectives best describe this story?
- How can we curb the extreme temperatures?
- What questions would you like to ask the meteorologists?

## Spelling

- Its iomrteotesgsl analysed...
- temperatures from tateleisis
- figures ndiaitec a high likelihood
- an aliseoctna in extreme temperatures
- Heatwave conditions epsredti
- xneedpierc high temperatures
- his marpiry concern
- more ahwteaves
- broken by such large inrsgam
- changes in vraaeeg climate
- aeratdlorxyrii extreme
- more trogshud and heat-related deaths

### Answers – Synonym Match

1. g	2. d	3. j	4. a	5. c
6. i	7. e	8. b	9. f	10. h

## Role Play

### Role A – Heatwaves

You think heatwaves are the most dangerous weather events. Tell the others three reasons why. Tell them why their weather events aren't as bad. Also, tell the others which is the least harmful of these (and why): hurricanes, blizzards or flash floods.

### Role B – Hurricanes

You think hurricanes is are the most dangerous weather events. Tell the others three reasons why. Tell them why their weather events aren't as bad. Also, tell the others which is the least harmful of these (and why): heatwaves, blizzards or flash floods.

### Role C – Blizzards

You think blizzards is are the most dangerous weather events. Tell the others three reasons why. Tell them why their weather events aren't as bad. Also, tell the others which is the least harmful of these (and why): hurricanes, heatwaves or flash floods.

### Role D – Flash Floods

You think flash floods is are the most dangerous weather events. Tell the others three reasons why. Tell them why their weather events aren't as bad. Also, tell the others which is the least harmful of these (and why): hurricanes, blizzards or heatwaves.

## Speaking – Weather Events

Rank these with your partner. Put the worst at the top. Change partners often and share your rankings.

- |                |                   |
|----------------|-------------------|
| • Hail         | • Heatwaves       |
| • Sand storms  | • Blizzards       |
| • Tornadoes    | • Hurricanes      |
| • Flash floods | • Torrential rain |

### Answers – True False

1 F	2 T	3 F	4 F	5 F	6 F	7 T	8 T
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Answers to Phrase Match and Spelling are in the text.