

Study Reveals Wetlands Surge Methane, Undermining Global Heating Goals

Description

Reading Time:

4

minutes

By Eloise Gibson for

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NZ

A study from New Zealand says more methane gas is going into the air than we thought. This makes it harder to control global warming.

The study looked at data from the last 33 years in Wellington and Antarctica. It found that the atmosphere is getting better at cleaning methane.

This is important because methane is the second biggest cause of global warming after carbon dioxide. Methane is responsible for about 40% of today's warming.

Scientists say we need to study this more to confirm the finding, as tracking methane is difficult. Wetlands are a big source of methane emissions.

More than 150 countries, including New Zealand, plan to cut methane emissions by 30% by 2030. But methane levels are still rising.

The lead author, Olaf Morgenstern, says we have to keep studying the air. His team used over three decades of data to help understand this problem better.

Vocabulary List:

- 1. Methane /ˈmɛθ.eɪn/ (noun): A colorless odorless gas that is a major contributor to global warming.
- 2. Emissions /ɪˈmɪʃ.ənz/ (noun): The act of releasing something especially gas or radiation.
- 3. Warming /'wɔːr.mɪŋ/ (noun): An increase in temperature especially concerning the earth's climate.
- 4. **Atmosphere** /'æt.mə.sfɪr/ (noun): The envelope of gases surrounding the earth or another planet.
- 5. Source /so:rs/ (noun): The origin of something from which it comes or is obtained.
- 6. **Study** /'stʌd.i/ (verb): To apply oneself to learning about a subject especially in an academic context.



Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)

1. Who are scientists that study fossils?

Option: A. Geologists Option: B. Biologists

Option: C. Paleontologists

Option: D. Chemists

2. Which term relates to something that exists in a digital or online environment?

Option: A. Real Option: B. Virtual Option: C. Physical Option: D. Material

3. Which gas is a potent greenhouse gas and is often associated with cattle farming? ISL-NEWS

Option: A. Oxygen Option: B. Nitrogen Option: C. Methane

Option: D. Carbon Dioxide

4. Who are individuals who deceive others for personal gain?

Option: A. Inventors Option: B. Scammers Option: C. Researchers Option: D. Entrepreneurs

5. What term describes the increase in the average temperature of the Earth's surface?

Option: A. Cooling Option: B. Melting Option: C. Warming Option: D. Freezing

6. What term refers to the general direction in which something is developing or changing?

Option: A. Standstill Option: B. Decline Option: C. Trend Option: D. Stagnation

7. What do we call measures taken to ensure safety and protection from harm?



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Option: A. Insecurity Option: B. Protection	
Option: C. Safety Option: D. Security	
8. Who are participants in a game or sp	port?
Option: A. Spectators Option: B. Referees Option: C. Players	
Option: D. Coaches	
9. What term refers to the range of pos	sibilities from which one or more may be selected?
Option: A. Decisions Option: B. Options Option: C. Directions Option: D. Choices	
10. What term is used to describe finding	ng something that was previously unknown?
Option: A. Revelation Option: B. Invention Option: C. Creation Option: D. Discovery	ng something that was previously unknown?
Gap-Fill (Fill in the blanks with the	e correct word from the vocabulary list.)
11. The term	refers to the wishbone found in birds used in making predictions or
decisions by many people.	
12. Smartphones laptops and tablets a	re examples of electronic
13. The new policy had a significant	on the company's profits.

Page 3

14. Strong ______ often inspire and guide their teams towards success.

16. Reducing carbon ______ is crucial in combating climate change.

15. The use of plastic bags was ______ in an effort to protect the environment.

17. Efforts to ______ relations between the two countries were welcomed by the



international community.		
18. The new software update will be	for download next week.	
19. The team prepared a	_ surprise for their coach to show their appreciation.	
20. The artist received a	_ for a mural in the city park.	
Matching Sentences (Match each definition to the correct word from the vocabulary list.)		
21. It is essential to the hard work and dedication of the employees.		
22. A video can be created using artificial intelligence to manipulate appearances.		
23. The university offers a wide range of programs for students to pursue their chosen field of .		
24. The authenticity of the information depends on the credibility of the .		
25. The film director used a creative technique to convey the character's emotions.		
26. The of a new species of dinosaur excited the scientific community.		
27. The economic downturn had a severe on job opportunities in the region.		
28. Great can motivate others to achieve common goals.		
29. Online users should be cautious of potential trying to steal personal information.		
30. In a reality environment users can interact with simulated worlds.		

Answer

Multiple Choice: 1. C. Paleontologists 2. B. Virtual 3. C. Methane 4. B. Scammers 5. C. Warming 6. C. Trend 7. D. Security 8. C. Players 9. D. Choices 10. D. Discovery

Gap-Fill: 11. Furcula 12. Devices 13. Impact 14. Leaders 15. Banned 16. Emissions 17. Normalize 18.

Available 19. Special 20. Commission

Matching sentence: 1. Acknowledge 2. Deepfake 3. Study 4. Source 5. Montage 6. Discovery 7. Impact

8. Leaders 9. Scammers 10. Virtual

CATEGORY

1. Sci/Tech - LEVEL1



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