



# Climate change taking its toll on Greek monuments

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*Global warming is threatening ancient Greek monuments, among them the Acropolis, one of the most-visited archaeological sites in the world, scientists have said.*

1. The threat of climate change to Greece's ancient monuments \_\_\_\_\_

2. That's the conclusion by scientists at a two-day conference \_\_\_\_\_

ACADEMY OF ATHENS CLIMATOLOGY PROFESSOR AND EXPERT CHRISTOS ZEREFOS, SAYING:

"We have floods, we have droughts, we have all kinds of extreme phenomena that they really threaten monuments that stood here safe for thousands of years. Now they are threatened."

3. Air pollution and acid rain in the Greek capital Athens \_\_\_\_\_

4. And extreme weather phenomena \_\_\_\_\_

5. The Acropolis hill, where the Parthenon stands, \_\_\_\_\_

6. But even that \_\_\_\_\_

GREEK CULTURE MINISTRY GENERAL SECRETARY, MARIA VLAZAKI, SAYING:

"Every year, we have more cases that have problems. And we give more money, unexpected money to protect the walls of a city that had no problem before, to protect a coastal area. And it's something that happens suddenly."

7-1. Since 2004, engineers and restorers \_\_\_\_\_

7-2. to clean pollution \_\_\_\_\_

8. But how to protect them from climate change \_\_\_\_\_

[Vocabulary]

- **threat**: a situation or an activity that could cause harm or danger; the possibility that something bad is going to happen
  - *Officials were confident there had been no threat to public health.*
- **climate change**: the changes that are thought to be affecting the world's weather so that it is becoming warmer
- **monument**: a place of historical importance, for example an old building
  - *ancient/historic monuments*
- **worsen**: to become worse, or to make something worse
  - *The weather worsened, and temperatures fell.*
  - *The bill will worsen relations between Democrats and Republicans.*
- **conclusion**: something that you decide is true after thinking about it carefully and looking at all the evidence
  - *Please repeat your conclusion one more time.*
- **impact**: an effect, or an influence
  - *The deepest impact is expected to be in construction, manufacturing and retail.*
- **global warming**: an increase in the average temperature of the earth's atmosphere (especially a sustained increase that causes climatic changes)
- **heritage**: the art, buildings, traditions, and beliefs that a society considers important to its history and culture
  - *a need for African-Americans to preserve their African heritage*
- **cultural heritage**: the legacy of physical artifacts and intangible attributes of a group or society that is inherited from past generations
- **flood**: a large amount of water that covers an area that was dry before
- **drought**: a long period of time when there is little or no rain and crops die
  - *The drought in Mexico killed many cows and farm animals.*
- **phenomena**: an event or situation that can be seen to happen or exist
  - *This strange phenomenon attracted the national attention.*
- **pollution**: the process of damaging the air, water, or land with chemicals or other substances
  - *the pollution of local rivers*
- **air pollution**: pollution of the atmosphere
  - *Air pollution reduced the visibility.*
- **acid**: containing acid or consisting of an acid
  - *These plants prefer an acid soil.*
- **acid rain**: rain containing acids that form in the atmosphere when industrial gas emissions (especially sulfur dioxide and nitrogen oxides) combine with water
- **erode**: to gradually damage the surface of rock or land so that it begins to disappear, or to be gradually damaged in this way
  - *High tides are eroding the coast.*
  - *a plan to plant more trees before the soil erodes even further*
- **marble**: a hard smooth stone used for building and making statues. Marble is usually white with dark lines that are not regular in shape
  - *a marble floor*
- **extreme**: very great in degree; very unusual

• *Will the clothing give protection against extreme cold?*

□ **extreme weather:** *Extreme weather includes unexpected, unusual, unpredictable, severe or unseasonal weather* □ **structural:** related to the structure of something such as a building

• *He was a structural engineer specializing in building factories.*

□ **structural problem:**

□ **decorate:** to make something look more attractive by putting nice things on it or in it

• *Have you decorated your Christmas tree yet?*

□ **Acropolis:** The ancient citadel at Athens, containing the Parthenon and other notable buildings, mostly dating from the 5th century BC.

□ **Parthenon:** the main temple of the goddess Athena; built on the acropolis in Athens more than 400 years B.C.; example of Doric architecture

□ **preserve:** to take care of a place or building in order to prevent it from being harmed or destroyed

• *The society works to preserve the district's historic buildings.*

□ **archaeology:** the study of ancient societies, done by looking at tools, bones, buildings, and other things from that time that have been found

□ **archaeological:** relating to or involving archaeology

• *archaeological evidence/research*

□ **archaeological site:** a place (or group of physical sites) in which evidence of past activity is preserved (either prehistoric or historic or contemporary), and which has been, or may be, investigated using the discipline of archaeology and represents a part of the archaeological record.

□ **sign:** a piece of evidence that something is happening or that something exists

□ **sign of damage:**

□ **coastal:** on land beside an ocean; of or relating to a coast

• *Coastal erosion*

□ **coastal area:**

□ **engineer:** someone who designs or builds things such as roads, railroads, bridges, or machines

□ **restorer:** a skilled worker who is employed to restore or refinish buildings or antique furniture

□ **innovative:** inventing or using new ideas, methods, equipment, etc.

• *an innovative approach*

• *designs full of innovative ideas*

□ **innovative technology:**

□ **laser:** a piece of equipment that produces a powerful narrow line of light. It is used for cutting hard substances, directing the paths of missiles, and in medical operations

□ **laser technology:**

□ **another matter:**