

Financial Times in the News: Tropical Storm Helene



Theme and Specification link

This edition of *Financial Times in the News* explores the impacts of tropical storms in the US.

The link to the article can be found here: <https://bit.ly/4eoS8Ch> or use the QR code in the top right corner of this page.

This article underpins many aspects of natural hazards and extreme weather within the A Level Specifications specifically:

AQA

3.1.5.5 Storm hazards.

3.1.2.2f Sources of water: exogenous, endoreic and ephemeral; the episodic role of water; sheet flooding, channel flash flooding.

3.1.5.1 The concept of hazard in a geographical context.

Edexcel

2B.9.b. Storm surge events can lead to severe coastal flooding with dramatic short-term impacts (depressions, tropical cyclones).

2B.10.b. Coastal flooding and storm surge events can have serious economic and social consequences for coastal communities in both developing and developed countries.

5.5.a. Meteorological causes of flooding, including intense storms leading to flash flooding, unusually heavy or prolonged rainfall, extreme monsoonal rainfall and snowmelt.

5.5.c. Damage from flooding has both environmental impacts (soils and ecosystems) and socio-economic impacts (economic activity, infrastructure and settlement) (UK flood events 2007 or 2012).

OCR

3.b.i. How climate change is leading to increasing frequency of extreme weather events such as wild-fire, El-Nino, floods, and drought which can affect food production.

4.b. The impacts of climate change are global and dynamic.



Key terms 

Use the article and your own knowledge to define the key terms below:

Federal Emergency Management Agency

Flash flooding

Storm surge

Tropical storm

US National Weather Service

Summary in numbers 

Find the related statistic in the article and develop it to add context and summarise the report.

1989

3,200

84

31 inches

15 ft

Cat 4

2.7mn

2,000

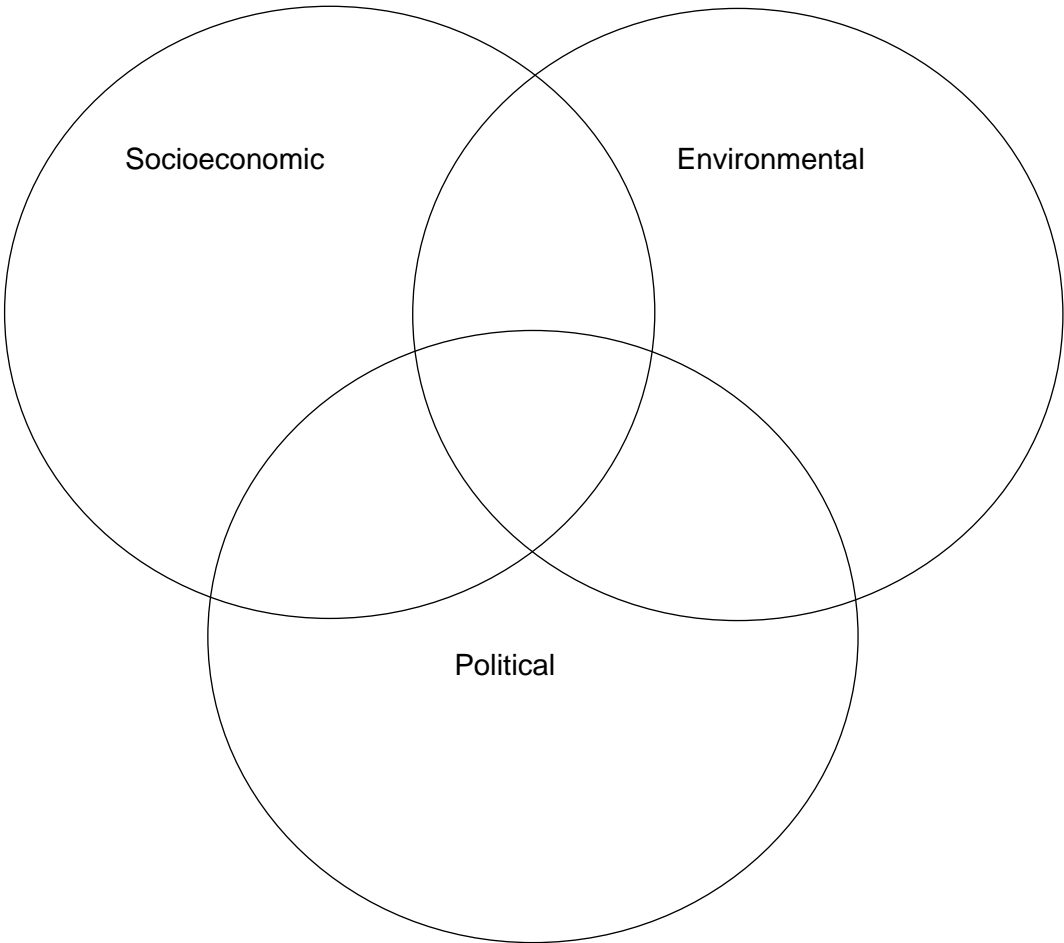
\$34bn

Wider issues

Write a question here to help think about other issues which might influence the points in the article.



Impacts



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Synoptic links



Note down any synoptic links using your specification to help you. A Mind map might be helpful here.

Tropical Storm
Helene

5 examination style questions



Calculate the range of potential economic damage as forecasted by AccuWeather. Explain why these estimates may vary.

Explain the reasons why North Carolina was particularly affected by the storm.

Evaluate the effectiveness of the disaster response measures implemented after the storm.

'Tropical storms are becoming more intense and frequent due to climate change' to what extent do you agree with this statement.

Explain how the effects storms such as tropical storm Helene could be mitigated in the future.