

Introduction to

Weather is the atmospheric conditions in a particular place at a particular time.



by

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What is Weather?

1

Nature's

Expression

Weather reflects the

state of the

atmosphere and its

effects on life and the

environment.

2

Daily Variations

It includes

temperature,

humidity,

precipitation, wind,

cloudiness, and

visibility.

3

Dynamic

System phenomena

are caused by

complex interactions

between different

factors.

Elements of

Weather

Atmospheric

Elements

includes air pressure, humidity, and atmospheric disturbances.

Energy

Exchange

Explains the processes of radiation, conduction, and convection.

Temperature and Climate

24°C

Average

Temperature
It varies depending on the climate and geographical location.

1K

Climate Zones

Earth is divided into multiple climate zones determined by temperature.

Types of Weather Conditions

Sunny

Cloudy

Rainy

Snowy

Windy

Stormy

Weather Forecasting

Sunny

Predicted clear skies and
sunshine



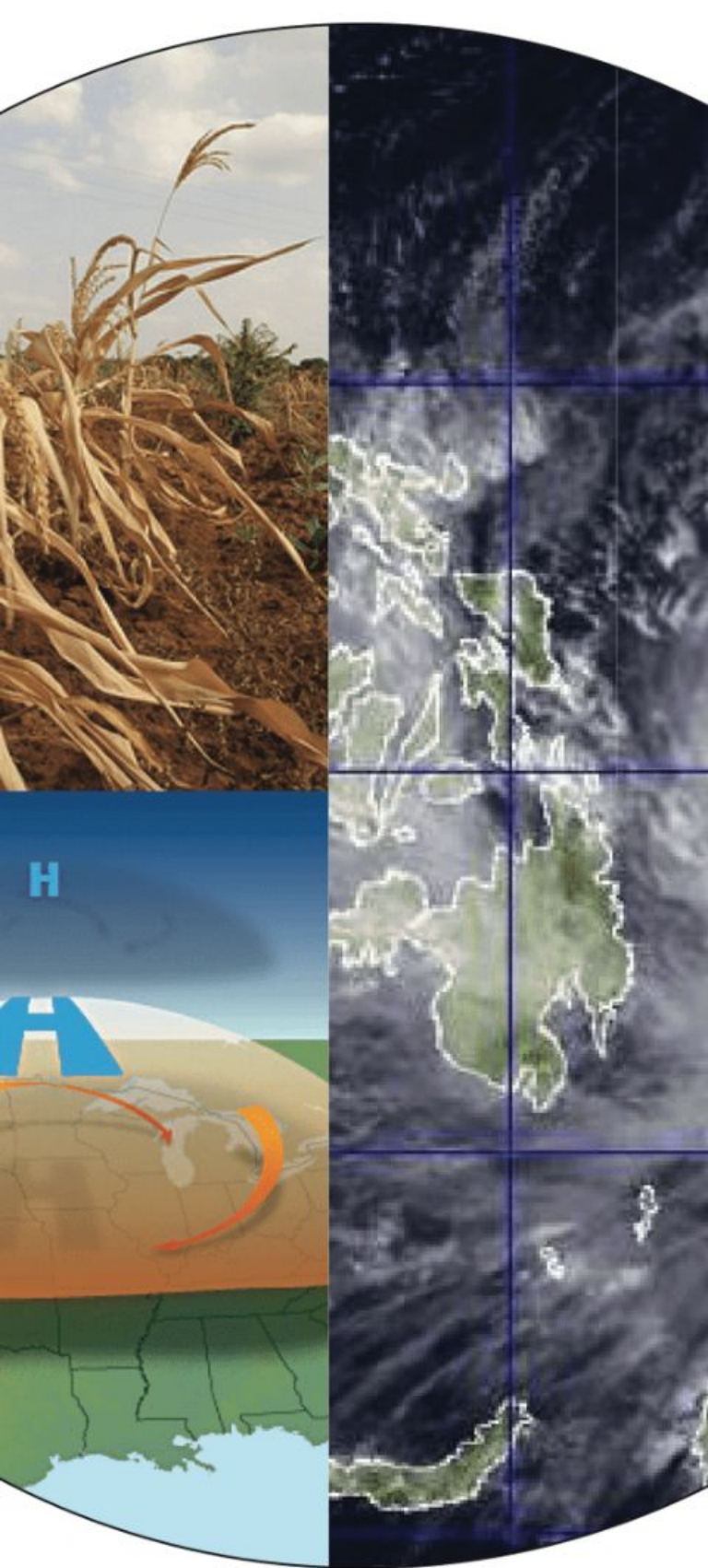
Rainy

Expectation of precipitation



Snow

Forecast of snowfall



Impact of Weather on Daily

Health

Weather affects health through temperature-related illnesses.

Transportation

It influences road safety and air travel.

Extreme Weather

Events

1

Storms

Tornadoes, hurricanes, and typhoons

2

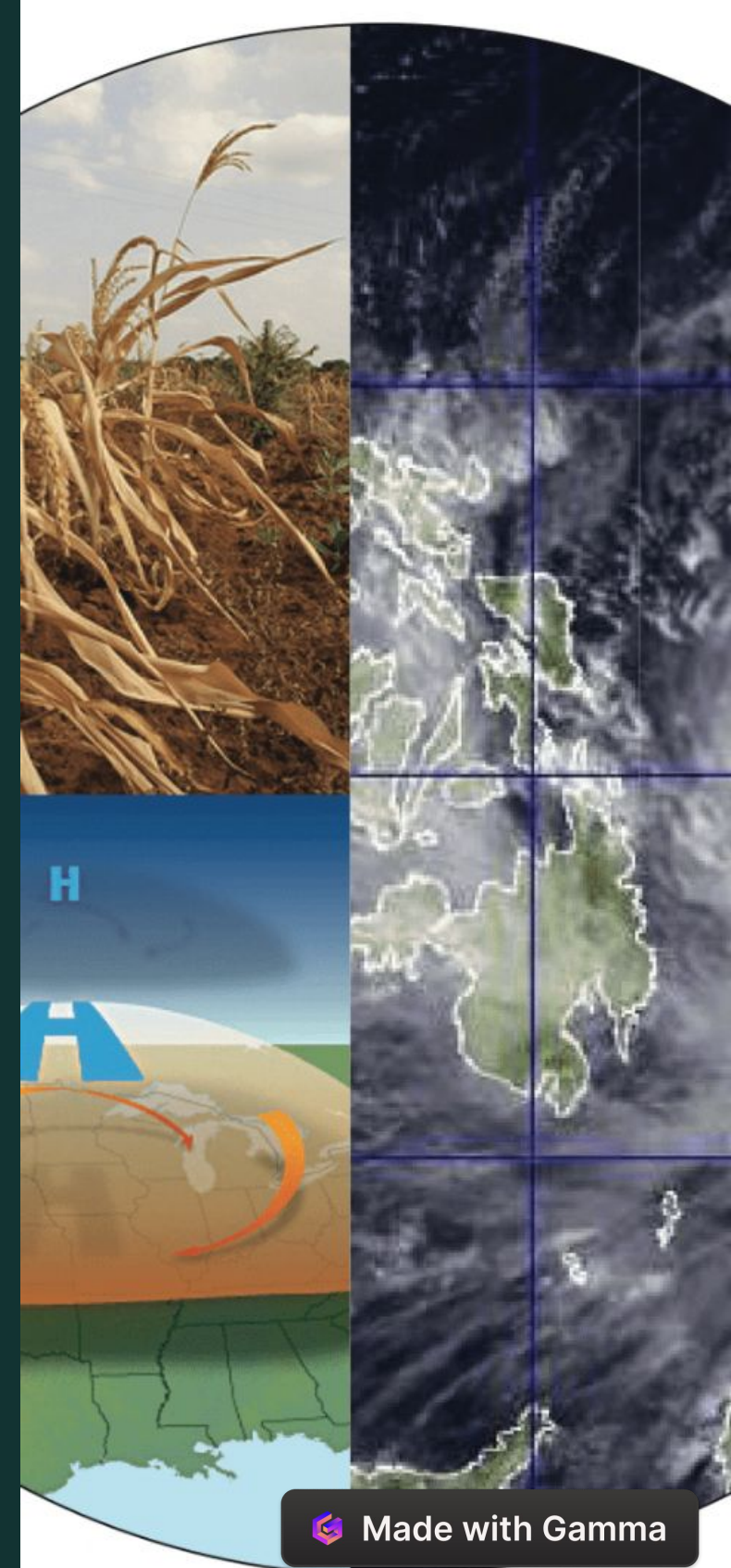
Floods

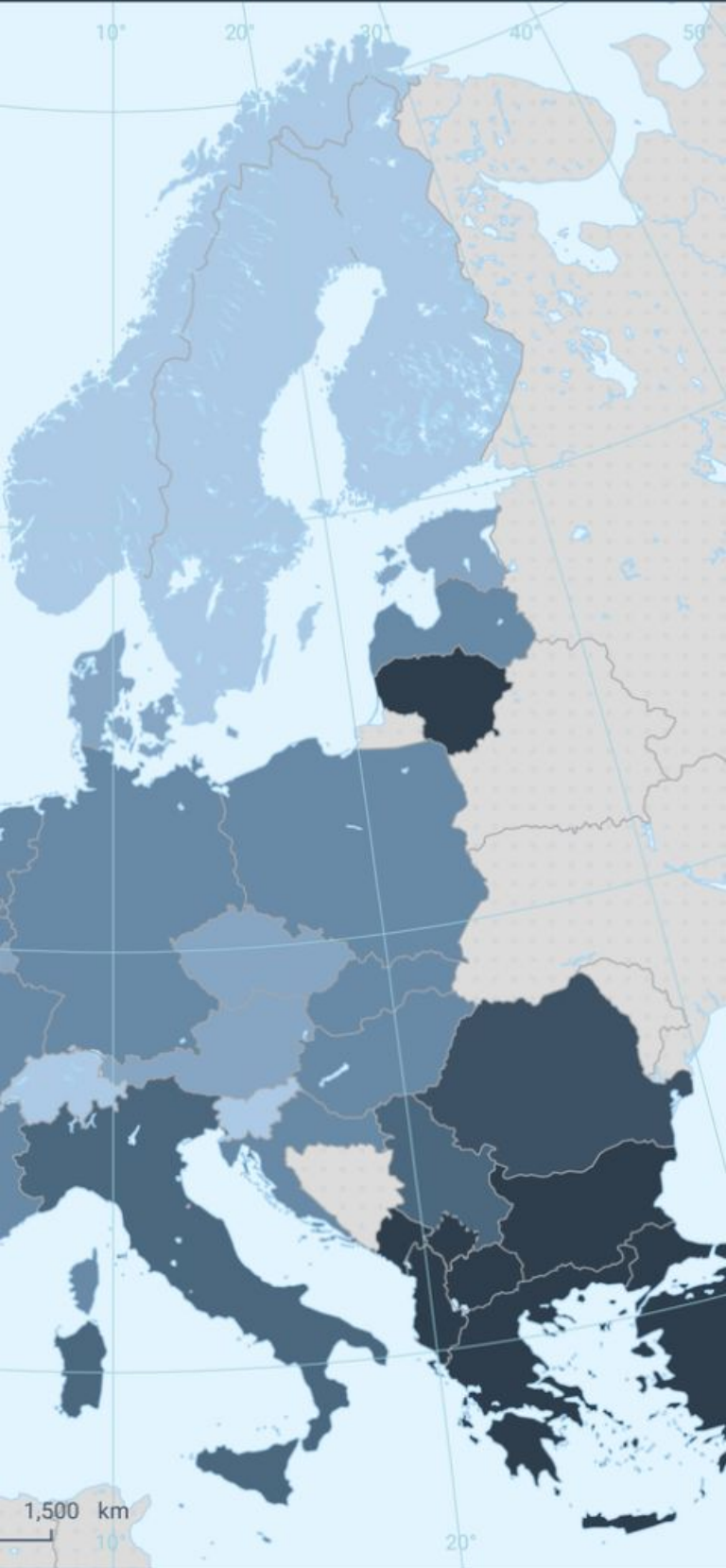
Natural disasters with high destructive potential

3

Heatwaves

Extended periods of excessively high temperatures





Climate Change and Weather Patterns

1

Global Patterns

Weather patterns are changing due to human-induced climate change.

2

Environmental

Impact Threatens ecosystems and biodiversity, leading to extreme events.

Conclusion

1

Dynamic

Nature is a dynamic and fascinating natural phenomenon.

2

Continual

Impact all aspects of life and shapes the environment.