

Climate

Talk

**Empowering the next generation to find
their voice.**



Climate Talk

Global climate change affects everyone

Evidence for climate change is unequivocal

Together we must solve climate change

People power is real

This project aims to *empower* students through learning media skills that will help you find your voice and make meaningful changes. This will give you the opportunity to personally express your concerns and ideas around climate change through an *original media project* that you create.



Meet The **Climate Talk** Team



Jennifer
Gaughran

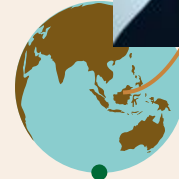
Trish
Morgan



Stephen
Gammell



Joe
Rooney



Warm Up

Clapping Circle
Wise Sayings



Climate

Talk

Workshop Overview

Session 1

About Climate Change

Break

Session 2

Media and Climate

Lunch

Session 3

Make a project

Competition Entries

Climate Talk

STEP 1

Loan media equipment as needed from your TY coordinator.

STEP 2

In groups of no more than 4 create a media piece -
Choose a theme
Choose a genre
Choose a format
Shoot and edit

STEP 3

Write 300 - 500 words (as a group) on:
Why you chose that theme
What genre/format did you choose and why?
Discuss the process.

STEP 4

Attend DCU's ClimateTalk!
Showcase in May.
CASH Prizes awarded.
Media shown on big screen
Date TBC.

Workshop Overview

Session 1

About Climate Change

What is happening to the climate?

Why is this a problem?

How can we make a difference?

When you think of climate change how do you feel?

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It's getting hot!

The Earth has warmed 1.2°C in the last 100 years.

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Warming in Perspective

A kettle uses ~250,000 Joules of energy to boil one litre of water.

If you were to generate the energy to boil a kettle by cycling, you would need to cycle for 50 minutes at a moderate pace.

Think about how much energy it takes to heat the Earth's atmosphere by 1.2°C.



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Everyone on the planet
would need to cycle
continuously for 239 years to
heat the planet by 1.2°C.



Terminologies

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01

Climate Change

Long-term shifts in temperatures and weather patterns.

03

Global Warming

Long-term heating of the Earth's surface due to human activity.

02

Greenhouse Gases

Gases in the Earth's atmosphere that trap heat.

04

Fossil Fuels

Non-renewable energy sources including coal, oil and gas.



Terminologies

05

Sustainable

A product, process or action which doesn't deplete the Earth's natural resources or harm the environment.

06

Renewable Energy

Sources that are naturally and constantly renewed like wind and solar power.

07

Climate Crisis

Real risk to all life on Earth caused by global heating including drought, floods and wildfires.

08

Climate Action

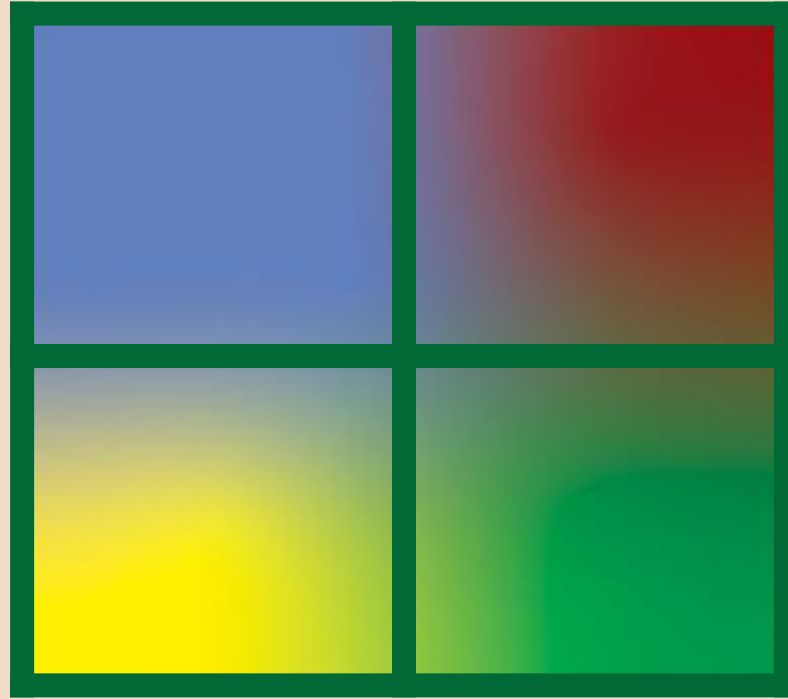
Any action that helps combat climate change or helps communities deal with climate change.

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You and the Climate Crisis

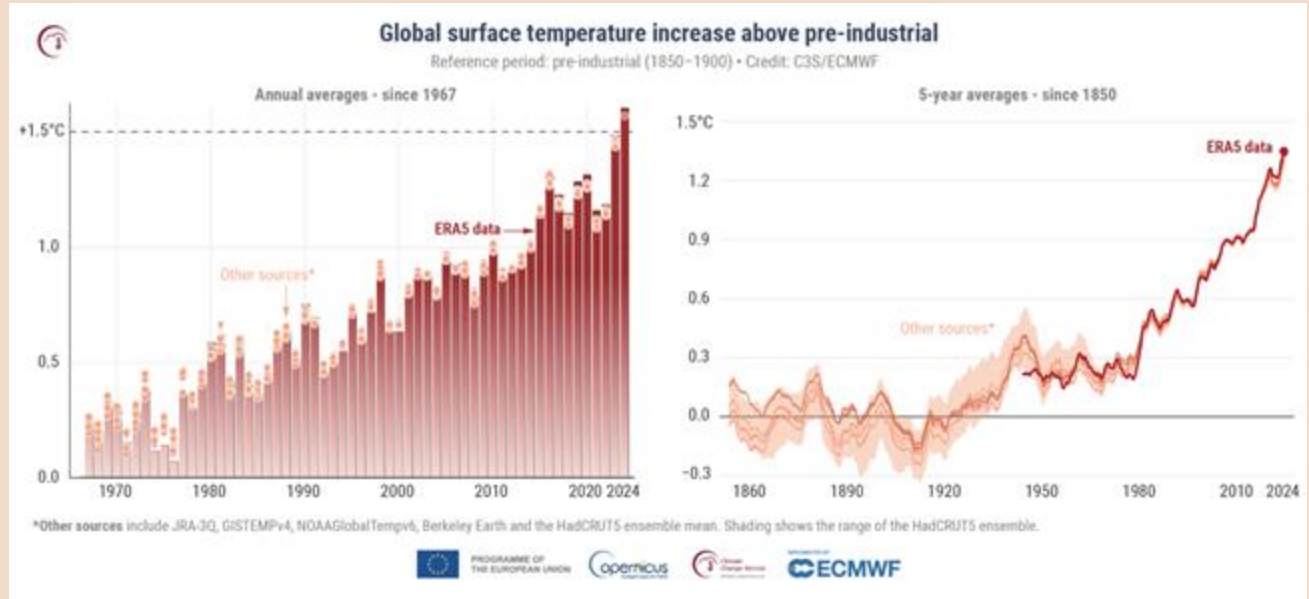
Power to Effect



Care

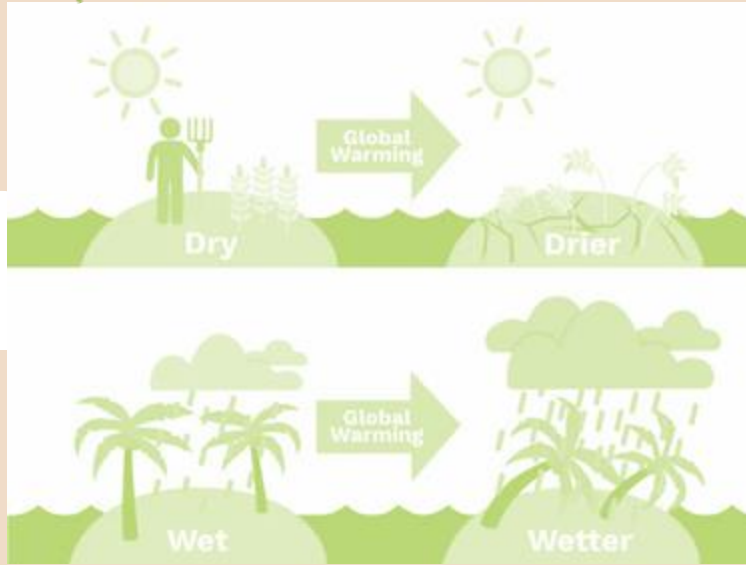
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Global Warming

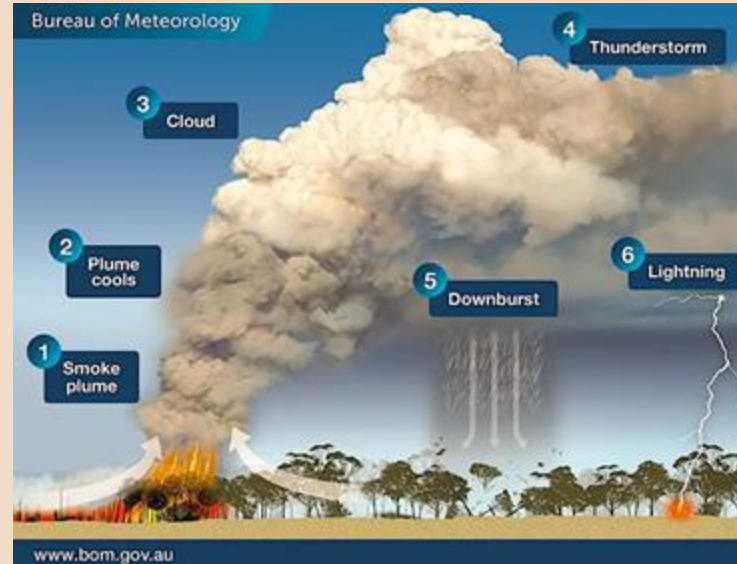


2024 is confirmed by the Copernicus Climate Change Service (C3S) to be the warmest year on record globally, and the first calendar year that the average global temperature exceeded 1.5°C above its pre-industrial level.

Climate Impacts

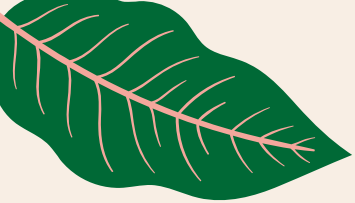


It is estimated that about 138 000 premature deaths could be avoided per year through reduced carbon emissions, potentially resulting in savings of US\$ 244–564 billion.



Transport infrastructure and operations are at risk from both incremental climate change and extreme events (e.g. heat waves, heavy downpours, high winds and extreme sea levels and waves).





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Greenhouse Gases

In the right amounts, greenhouse gases are helpful, rather than harmful, because they can help regulate the temperature of the planet.

The problem is the amount. Primarily driven by human activity.



What are the 4 top contributing Greenhouse Gases?





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Greenhouse Gases



Carbon Dioxide

Methane

Nitrous Oxide

**Fluorinated
Gas**



Where Do They Come From?

Carbon Dioxide

1.

Methane

2.

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3.

Nitrous Oxide

Fluorinated

Gas

4.



Greenhouse Gases

Emissions by Greenhouse Gas in 2019

Agriculture (fertilisers)

Nitrous Oxide 6.2%

Methane 17.3%



Agriculture, Waste and Fugitive Emissions

Fluorinated Gases 2.4%

Refrigeration, Heat Pumps, Air conditioning and Electric power Transmission



CO₂ 74.1%

Electricity & Heat, Transport and Manufacture & Construction

Methane comes mostly from...

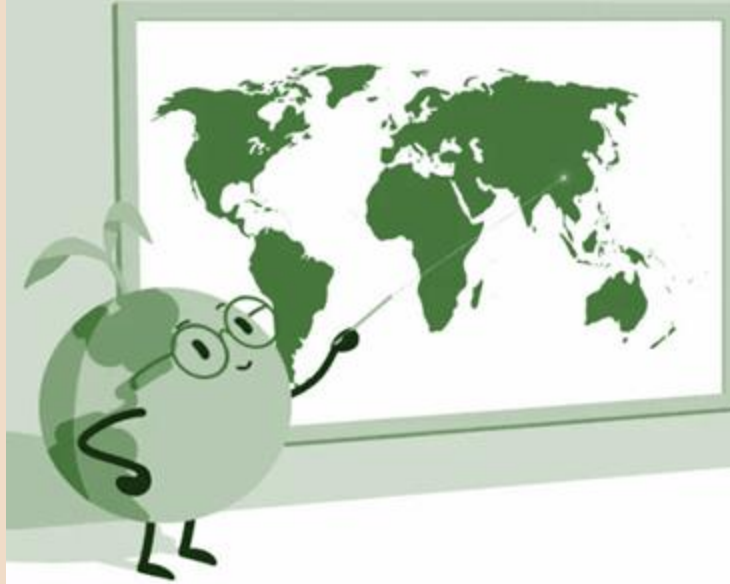
Burps or Farts?

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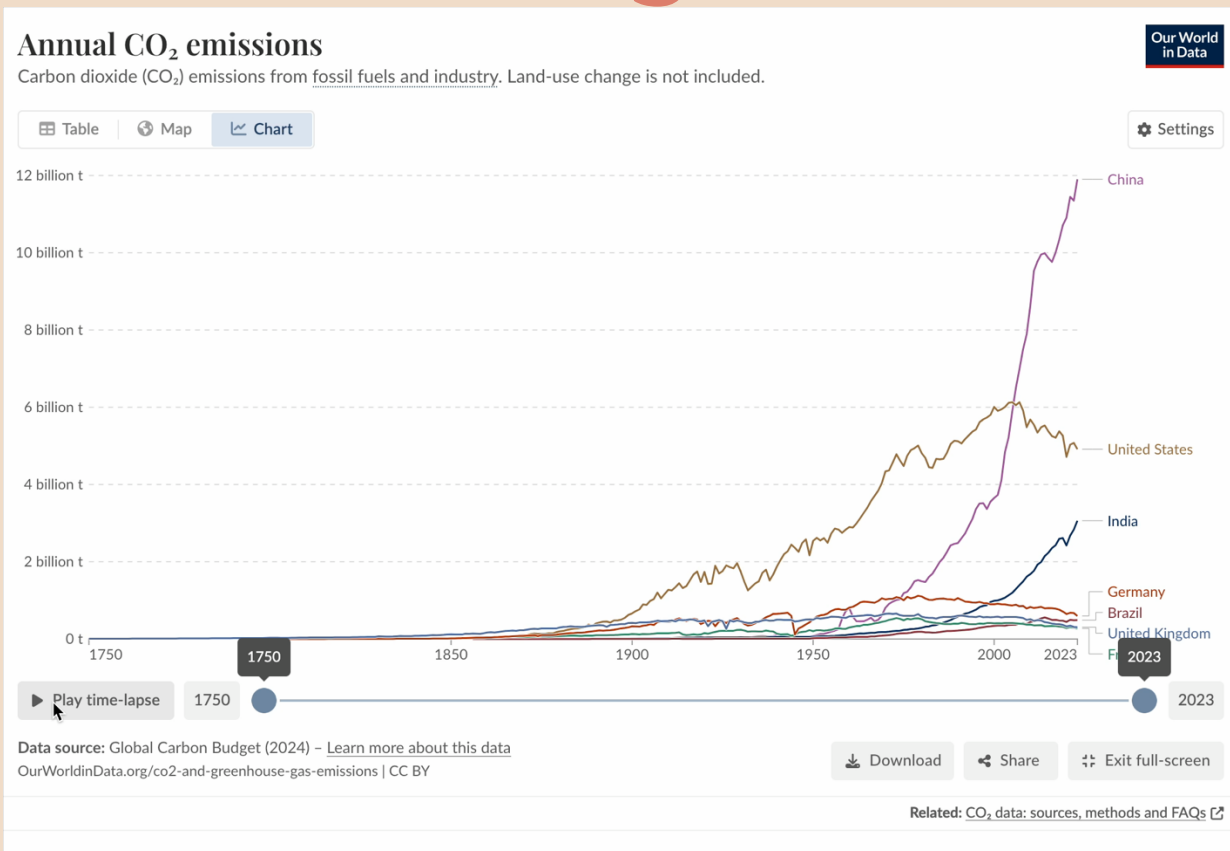
Who are the big Emitters?

Where do Emissions Come From?



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Who are the big emitters?



Who are the big emitters?

Per capita CO₂ emissions, 1760

Carbon dioxide (CO₂) emissions from fossil fuels and industry. Land-use change is not included.



Table Map Line Slope

World



Data source: Global Carbon Budget (2024); Population based on various sources (2024) – [Learn more about this data](#)
OurWorldinData.org/co2-and-greenhouse-gas-emissions | CC BY

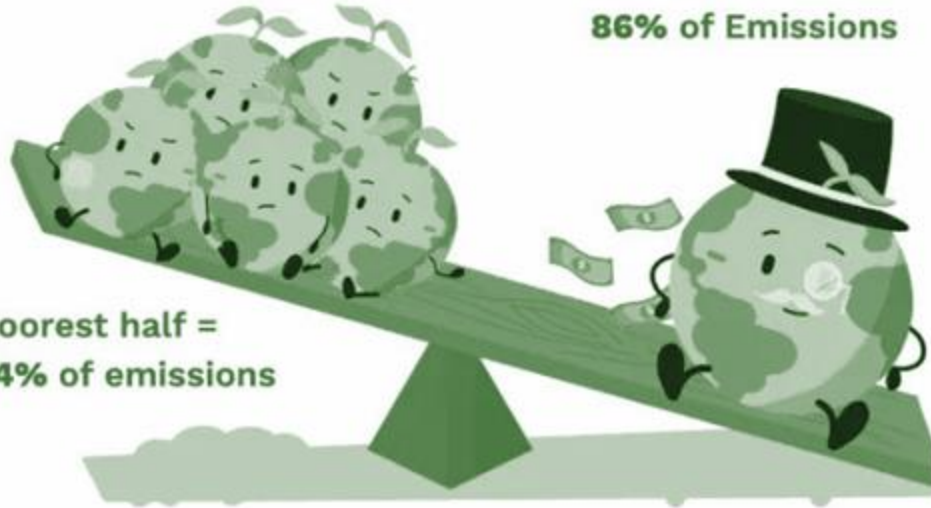
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Emissions

Inequality in CO₂ Emissions

Richest half =
86% of Emissions

Poorest half =
14% of emissions

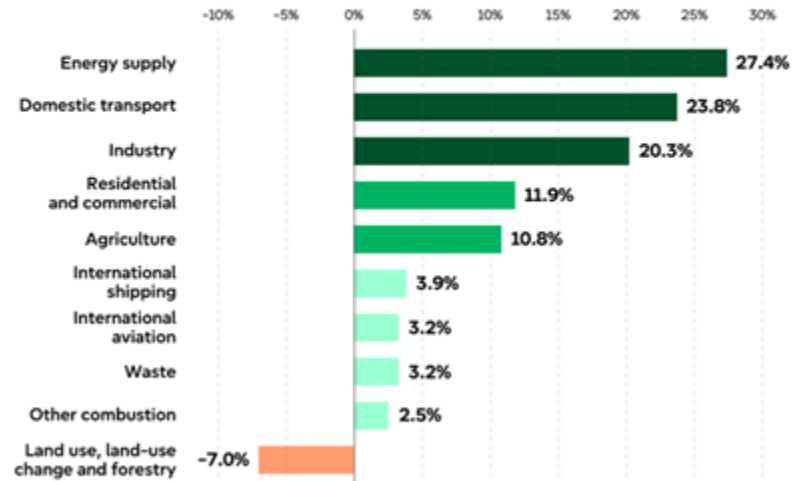


Source: <https://ourworldindata.org/co2-and-other-greenhouse-gas-emissions>

Which sectors are the big emitters?

Greenhouse gas emissions in the EU by sector

share of total emissions estimated in CO2 equivalent (2022)



Source: European Environment Agency



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The background is a light beige color with large, soft-edged shapes. There are three white, stylized clouds: one in the top left, one in the top center, and one in the bottom center. In the bottom left corner, there is a partial illustration of a globe with green landmasses and blue oceans, surrounded by various green and brown leaves. In the bottom right corner, there is another cluster of green and brown leaves.

What is Carbon Footprint?

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What is Carbon Footprint?

Carbon footprint is how much Carbon Dioxide (CO₂) a person, organisation or country produces.



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Climatch

**A global
impact game**





START →

| | | |
|--|--|--|
| <p>Government - 3 Back Individual - 2 Back EU - 4 Back Global South - 2 Back Corporation - 4 Back</p> | <p>Government - 4 Forward Individual - 1 Forward EU - 3 Forward Global South - 1 Forward Corporation - 3 Forward</p> | <p>Government - 3 Forward Individual - 2 Forward EU - 4 Forward Global South - 1 Forward Corporation - 5 Forward</p> |
| <p>Government - 3 Forward Individual - 1 Forward EU - 4 Forward Global South - 1 Forward Corporation - 5 Forward</p> | <p>Government - 2 Forward Individual - 1 Forward EU - 3 Forward Global South - 1 Forward Corporation - 4 Forward</p> | <p>Government - 3 Back Individual - 3 Back EU - 4 Back Global South - 2 Back Corporation - 4 Back</p> |
| <p>Government - 3 Forward Individual - 1 Forward EU - 3 Forward Global South - 2 Forward Corporation - 4 Forward</p> | <p>Government - 3 Forward Individual - 2 Forward EU - 4 Forward Global South - 2 Forward Corporation - 6 Forward</p> | <p>Government - 2 Forward Individual - 1 Forward EU - 3 Forward Global South - 4 Forward Corporation - 2 Forward</p> |

Using digital documents instead of paper

Buying useless gadgets

Eating less meat & dairy products

Buying locally produced goods

Buy used clothes, electronics & furniture

Buy products with less packaging & plastic

Leaving lights & chargers on when not in use

Using reusable travel cups

Using bicycles, rickshaws & public transport



Rules of game



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03

Action Spaces Finish

Match the action colour to corresponding square and move forward or backward.

01

Teams of 5

Each player takes a piece which represents who they play as.

04

Finish

Aim to reach the END of the board.

02

Roll the dice

Each player roles 1 turn and moves that amount of spaces.

05

Keep Going

Each player continues to play the game to try to reach the END as many times as possible.

Who you play as



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03

Corporation

Represents a multinational business that operates in multiple countries.

01

Global South

Represents the nations of the world who have a low level of economic and industrial development.

04

Government

Represents a group of people who govern a country or state.

02

EU

Represents 'The European Union', a group of 27 countries in Europe.

05

Individual

Represents 1 person in this world.



Climatch

Game Starts Now!





Climatch

Time's Up!



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**Who won?
Was it fair?**

How do each of these affect the climate?



Government

Individual



**European
Union**



**Multinational
Corporations**



Global South



How can the individual influence...



Government



**European
Union**



Global South

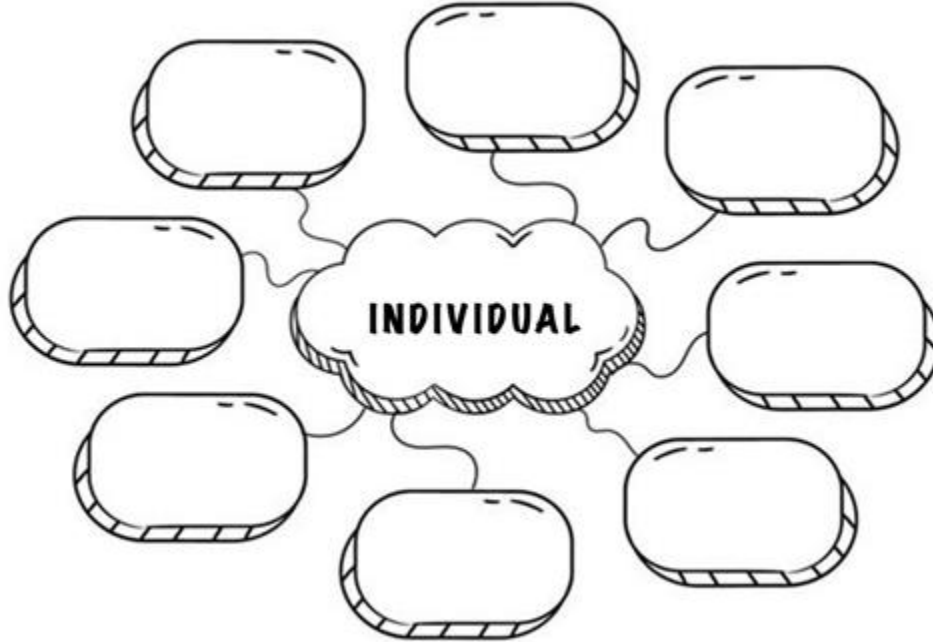


**Multinational
Corporations**



Individual

How can you as an individual influence Government, EU, Corporations or Global South to have a positive impact on the Climate?



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How can you, as an individual use media to influence Government, EU, Global South and Corporations?

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Using Media To Find Your Voice



MEMES

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[meme maker](#)

Brandilism Targets Corporations



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Target Corporations



You'll get chills watching
this video about microplastics...

Microplastics.



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Climate Media

Using any form of media to discuss or demonstrate climate topics. Such as social media, podcasts, documentaries, websites, creative media, traditional media, books, apps etc.



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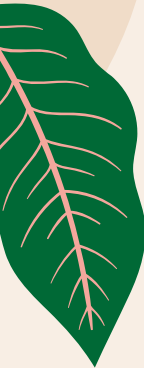
Wake Up (Short Film on Climate change)







**Who do you want
to hear to your voice?**

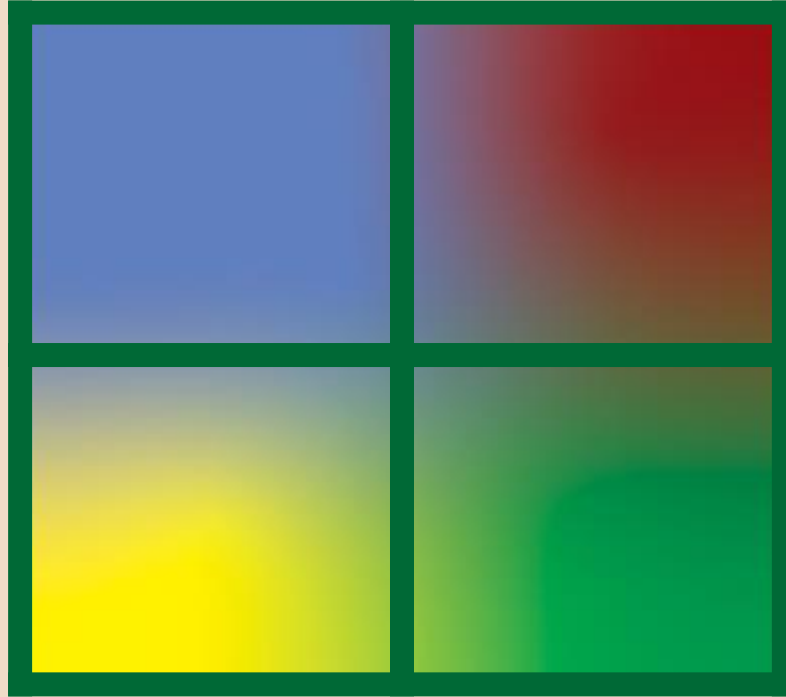


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Effect on the Climate Crisis

Power to Effect



Care

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ClimateTalk Media Competition

We want you to shoot and edit 3-4 minute video media pieces using your phones and the equipment we can provide such as mics and tripods.

Your media will be shown at a Showcase Day in DCU. Certificates and *CASH* prizes will be awarded to the winners in selected categories.



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Showcase 2024



ClimateTalk Media Competition 2024

What Are We Creating?

Visual

3-4 Minute Videos

**Documentary, Comedy Sketch,
Advertisement, Rap/Song, Animation, Video
Podcast,**

Subject

Climate Action

We must shine a light on climate change

Groups

Maximum 4, Minimum 2

**Designate roles; Script writer, Camera,
Editor, Sound, Music, graphics**

Equipment

**Borrow from your TY
co-ordinator**

Mics, Tripods, Gymbals



What Are The Judges Looking For?

Media Skills

Poor | Fair | Good

Accuracy

Poor | Fair | Good

Clear Message

Poor | Fair | Good

Relevance

Poor | Fair | Good

Visuals and Sound

Inventive camera work, clear sound, sound design, editing graphics, lighting and filters

Check Your Facts

All stated facts must be cross checked for accuracy. We will give out trusted websites for verifying information

To The Point

We need to know what you are saying loud and clear

We Are Talking Climate

How relevant is your topic to ClimateTalk?

RUBRIC



Assessment Rubric

| Category | Poor | Fair | Good | Feedback |
|--|------|------|------|----------|
| Media skills – visuals and sound Is the video clear? Is the sound clear? Have the different clips been edited together well? Is the camera work inventive? Have lighting and sound effects been well used? | | | | |
| Accuracy Does the project include appropriate information about climate change? Is the information accurate? Are the sources used clearly stated? Have reliable sources been used? | | | | |
| Message Is the message clear and easily understood? | | | | |
| Relevance Is the topic relevant to ClimateTalk? | | | | |

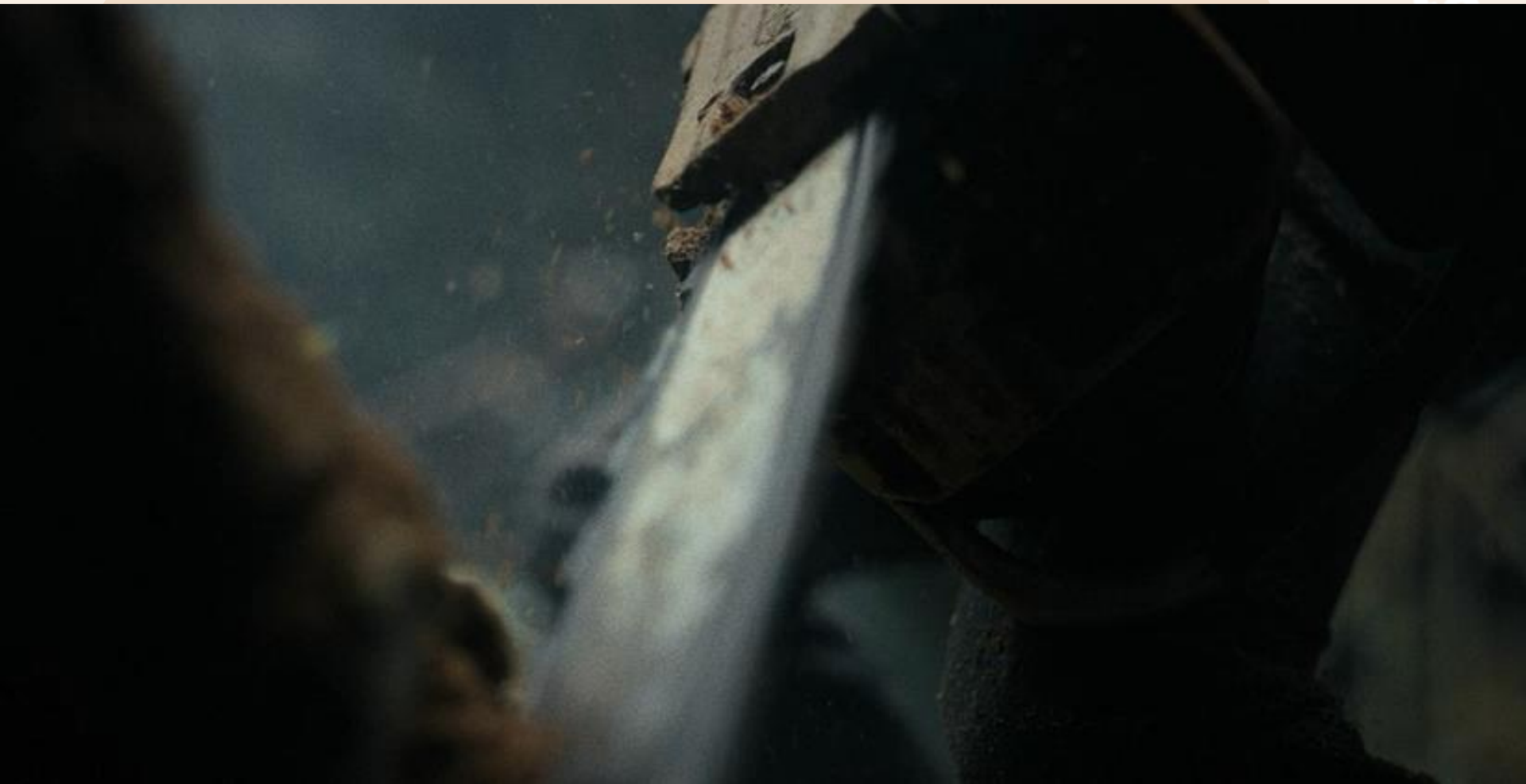


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@creative_explained

Upside-Down Tomatoes |
rap





**The Saviour -
St Aidan's
Student
Project**

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For Your Media

A

What's the message?

Is it clear what you are saying?

B

Media Skills

What makes interesting media? Think of the sound, picture, editing, graphics

C

Who is it aimed at?

Corporation, Government, Individual? What age group? What demographic?

D

What would you change?

What can you do better to capture people's attention, make a clear statement, sell your opinion, address your target audience?

**Break Into Groups Of No More
Than Four**

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Phone Gimbal

Gives you smooth footage no matter how you move your camera. Connects via Bluetooth to your phone so you can click the button to take a picture or video. Timer option available.



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Flexible Tripod

Gives you stable hands-free footage. Can be gripped to objects. Connects via Bluetooth to your phone so you can click the button to take a picture or video. Timer option available.



**Climate
Talk**

Wireless 'Lav' Mics

Lavalier Mics give you high quality audio. One end goes in your phone and the other attaches to clothes or instruments. Connects via Bluetooth to your phone.



Climate
Talk

Standing Tripod

Gives you stable hands-free footage. Height can be adjusted up to 100 cm. Can be rotated. Connects via Bluetooth to your phone so you can click the button to take a picture or video. Timer option available.



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Video Mic & Boom Pole



A long pole with a microphone attached enables you to record high quality sound while staying out of shot

**Climate
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Recommended Software

Capcut (online, android & ios)
Tutorial

Audio

Audacity (audio) (PC & Mac)
Tutorial

Video

Davinci Resolve (PC & Mac)
Tutorial

Photography

Photopea (free photoshop) (all devices)
Tutorial



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Make a media project!

3 Little Pigs Synopsis

- *Mother pig sends her three piglets off to survive on their own.*
- *They build a house each of straw, wood and bricks.*
- *The wolf comes and blows down the straw and wooden house but cannot blow down the house of bricks.*
- *He tries to enter the house via the chimney but ends up in a pot of boiling water. The End*



Relay this story in a genre

Rap, News Report, Gangster movie, Disaster Movie, Animation, Horror ... or anything else!

Make it relevant to Climate Change

Are the pigs business owners, politicians, company CEOs, world leaders, countries, farmers?

Is the wolf a hurricane, corrupt corporation, a planning regulation?

Which house is sustainable?

Are the houses corporations, governments, countries, factories, farms?



**Climate
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Climate Talk

Genre

News Report, Game Show, True Crime, Gothic Horror, Reality TV

Message

Feelings about climate change - fear, worry, hopes ... Sustainable materials, effects of climate change, better infrastructure



Make a media project!

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Why is media important?



Social Media

63.7% of the
World's population use it

5.2 Billion

Instagram

¼ of World's internet
users are active

2.4 Billion

TikTok

Although banned in
multiple countries

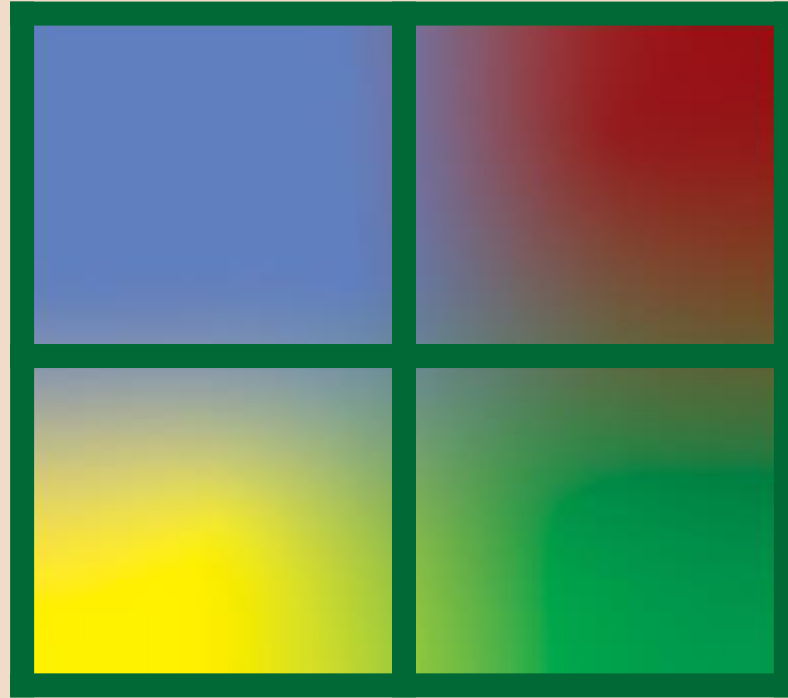
1 Billion



Effect on the Climate Crisis

Climate
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Power to Effect



Care

What's Needed For The Next

Project Planning Template

Team Members: _____

1. Plan

Plan out your project
Identify your key message, genre, equipment and what each team member will do.
Storyboard your video, identify filming locations and props, research climate information.

2. Film

Film your scenes, use appropriate equipment to ensure good sound and video. Check the quality of your video clips and re-film if necessary.

3. Edit

Use suitable software to edit your video clips.
Sequence your video according to your storyboard.
Insert visual and sound effects including music, voice-over and animation.

4. Review & Submit

Watch your video and review it using the assessment rubric.
Make the necessary changes to improve the project including re-filming and editing.
Submit your project to your teacher.

| Message | Genre | Media Equipment | Team Roles |
|--|--|---|---|
| What message do you want to convey in your video? Who is your message aimed at? | Examples include rap, news report, gameshow, true crime, reality TV, horror, comedy, documentary, or anything else appropriate | What are your audio, video and photography needs? Include software and equipment. | What will each person in the team do / take responsibility for? |

Competition Entries

**Climate
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STEP 1

Loan equipment as needed from your TY coordinator. Not a requirement but encouraged.

STEP 2

Submit your group entry

STEP 3

Write 300 - 500 words (as a group) on:
Why you chose that theme/genre/format?
What did you learn?
Discuss the process.

STEP 4

Attend DCU's ClimateTalk! Showcase.
Prizes awarded.
Date TBC.



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Questions?

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climatetalk.ie



**Climate
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**Thank
You!**

