

THE CLIMATE CRISIS

Where we are at and where
we go from here

Marla King
Environment Officer
VOXED

In this session....



- Climate crisis impacts
- Root causes
- Climate action avenues
- Local, national and global action

Interactive session - welcoming questions, discussion, knowledge sharing

Climate Crisis Causes and Impacts

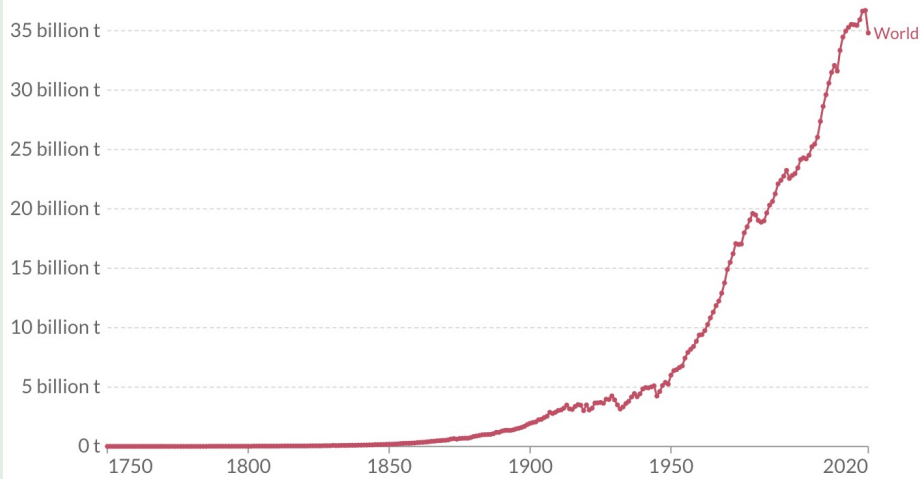


Annual CO₂ emissions

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

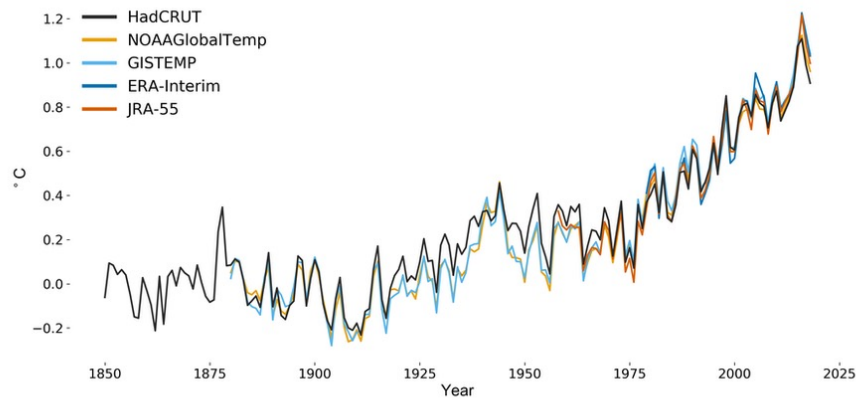
Our World
in Data

LINEAR LOG + Add country Relative change



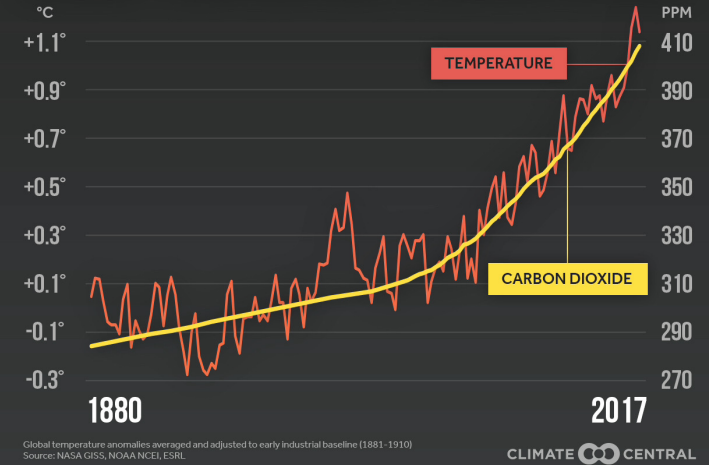
Met Office

Global mean temperature difference from 1850-1900 (°C)



© Crown Copyright. Source: Met Office

GLOBAL TEMPERATURE & CARBON DIOXIDE



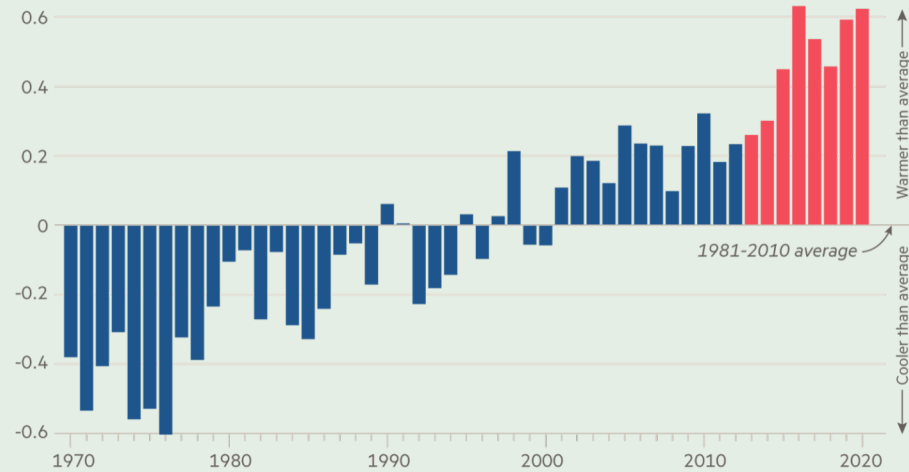
Global temperature anomalies averaged and adjusted to early industrial baseline (1881-1910)
Source: NASA GISS, NOAA NCEI, ESRL

CLIMATE CENTRAL

Scientific data displays correlation between rising CO₂ emissions and global temperature rise

8 of the 10 warmest years on record have occurred in the past decade

Annual global average surface temperature, relative to 1981-2010 (C)



Source: Copernicus Climate Change Service/ECMWF
© FT

 Met Office

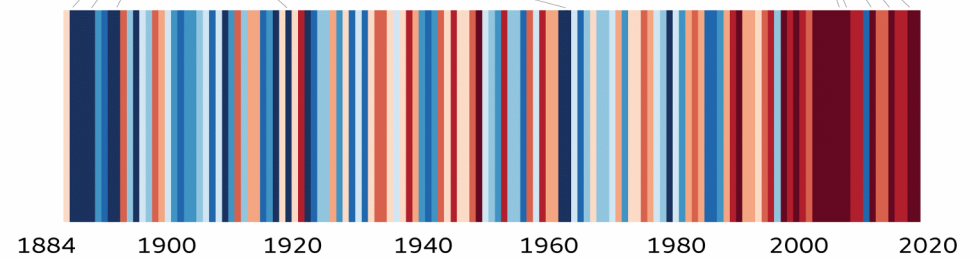
UK annual temperature

5 coolest years

1892, 1888, 1885, 1963, 1919

5 warmest years

2014, 2006, 2011, 2007, 2017







Local Impacts

- Flooding risks
- Air pollution - nitrogen dioxide levels
- Heatwaves – Met office data predicts this will be an average summer by 2035
- Over 14% of households in fuel poverty

Newcastle flooding hits Metro, rail services and roads

© 5 October 2021



CARAMAC
Flooding has affected roads and rail travel



The Intergovernmental Panel on Climate Change

International climate science is brought together by the Intergovernmental Panel on Climate Change (IPCC) who report back and make recommendations to all UN countries

In 2018, the IPCC produced a special report - with some key recommendations:

- Limit global warming to 1.5 degrees Celsius.
- Half CO2 emissions and reach net zero by 2050
- Rapid and deep emission cuts in all sectors.
- Also highlights the stark difference of 1.5 °C compared with 2 °C warming on ecosystems, climate, human health and well-being



IPCC REPORT – CODE RED FOR HUMANITY

On 9th August 2021, the IPCC released their 6th assessment report. The key findings from the latest report are:

- Human activity has “unequivocally” caused the climate crisis.
- Climate change is already affecting every inhabited region across the world
- Sea level rise has nearly tripled compared to 1901-1971
- By 2050, the best-case scenario predicts Arctic seas to be ice-free come summertime.
- Temperatures are likely to reach 1.5 degrees C above pre-industrial levels by 2040
- Greenhouse gas emissions from human activities are responsible for approximately 1.1°C of warming since 1850-1990
- Unless there are rapid, sustained and large-scale reductions of greenhouse gas emissions, including CO₂, methane and others, the goal of limiting global warming to 1.5C compared to pre-industrial levels, as enshrined in the Paris Agreement, will be beyond reach.

 **12,000+**
SCIENTIFIC
REFERENCES
CITED


436 CONTRIBUTING AUTHORS
FROM 54 COUNTRIES

 **243 LEAD
AUTHORS**

 **1,729 EXPERT
REVIEWERS**
FROM **84**
COUNTRIES


OVERSEEN BY EDITORS
FROM **70 COUNTRIES**


**195 GOVERNMENTS ACCEPT
AND APPROVE FINAL SUMMARY**



Your actions matter.
No action or voice
is too small to
make a difference.

VANESSA NAKATE
UGANDAN CLIMATE ACTIVIST



*"What you do makes a difference,
and you have to decide what kind
of difference you want to make."*

- Jane Goodall -



**"There is no such thing
as a single-issue struggle
because we do not live
single-issue lives."**

Audre Lorde

Writer, Womanist, Civil Rights Activist



What are the root causes of the climate crisis?



Colonialism and the climate crisis

Colonialism - The policy or practice of a wealthy or powerful nation maintaining or extending its control over other countries, especially in establishing settlements and/or exploiting resources. It has involved the destruction of land and exploitation of local communities through slavery.

Nature carries the memories and scars of the colonial story, through its vast mines, its polluted rivers, and overly extracted territories. Across continents, mangroves, grasslands, rainforests, and wetlands were cleared to make way for quarries, plantations, roads and railways



'Green' Colonialism

A term to refer to the Global North achieving a high standard of living and carbon neutrality by exploiting the health, labour, and land of the Global South.

Examples:

- Cash Crops - Lands being stolen in the Global South in order to provide cash crops in the Global North (happening in Uganda, Tanzania & Mozambique, Hawaii) causing food scarcity in these areas
- Land-Grabbing - e.g. carbon offsets: a form of investment in greenhouse gas emissions reduction that lets the buyer "offset" the effects of their emissions-producing activity.



Consumerism and Capitalism

The capitalist system is driven by a desperate need for profit and accumulation, leading to exploitation of people and planet.

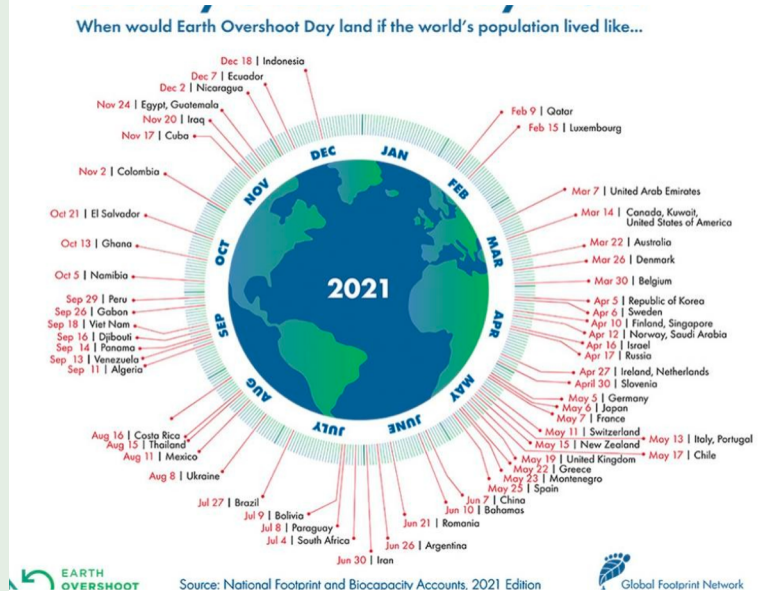
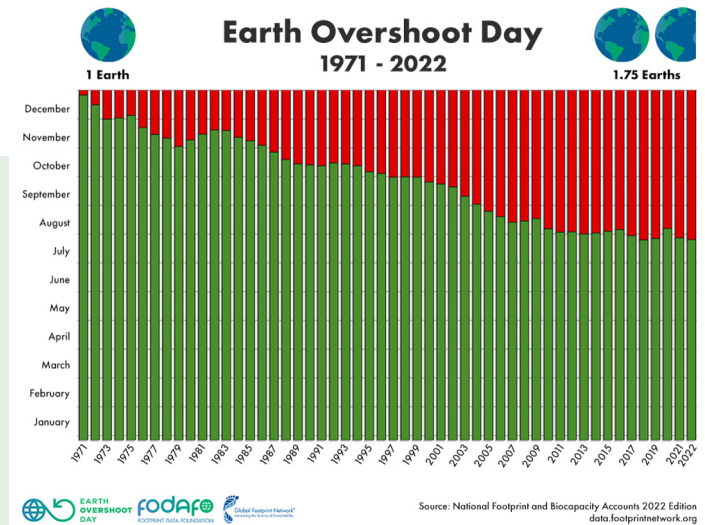
Embedded within capitalism is the notion of **infinite growth**, which simply is **not possible or sustainable on a finite planet**. This ideology is the driving force for consumerism.

Earth Overshoot - **We are devouring the planet's 'resources' at a rate 1.7 times faster than it can regenerate**. Increase in consumption leading to an increase in waste.

Case for **degrowth** - prioritising social and ecological well-being instead of corporate profits, over-production and excess consumption.

Kate Raworth - Doughnut economics

Civic Square – neighbourhood doughnuts – poly-versal solutions



The Fossil Fuel Industry

Fossil fuels currently supply around 80% of the world's energy (IPCC)

Many oil companies have known about their environmental impacts since 1970's

In the late 1980s, Exxon and others coordinated a global effort to dispute climate science.

Global Climate Coalition formed in 1989 spreading climate misinformation and blocking clean energy legislation and climate treaties.

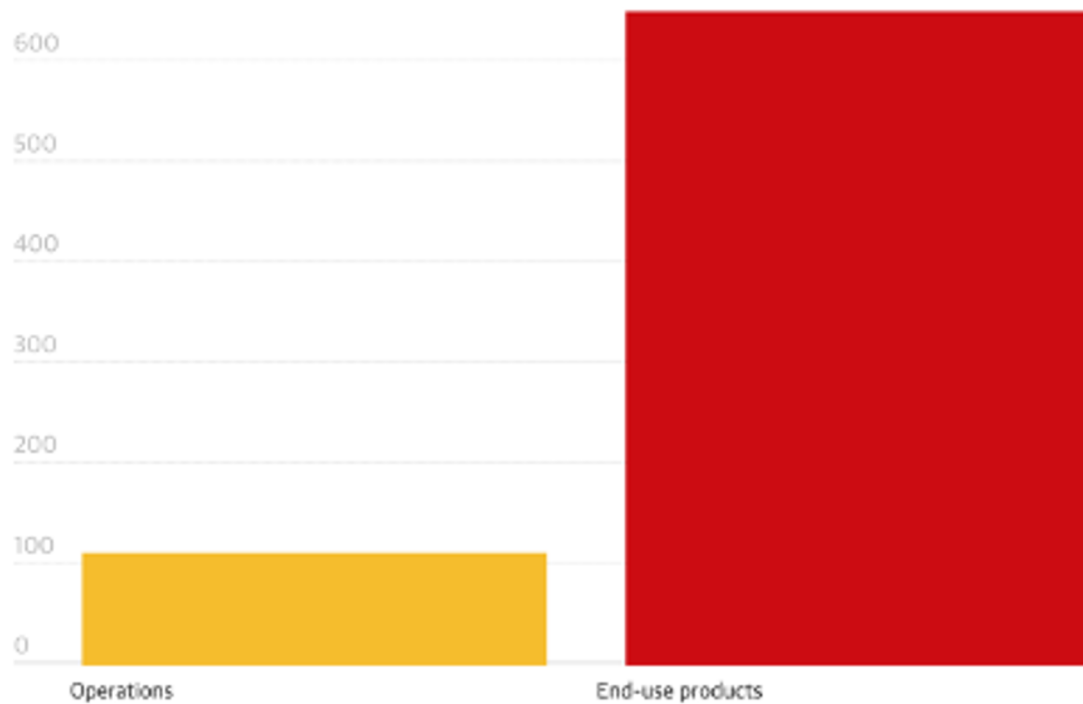
Funding think tanks and biased studies

Climate denial has now moved into greenwashing campaigns



Oil company climate goals often exclude their products' impacts

ExxonMobil in 2020 estimated its operations—like drilling for oil and gas and powering office buildings—produced 112 million tonnes of greenhouse gases. But its end-use products—like gasoline—led to 650 million tonnes of emissions.



Guardian graphic | Source: ExxonMobil

The Role of Banks

The UK's top five banks provided around £220bn (\$304bn) in finance for fossil fuel projects from 2016

Barclays is Europe's largest financier of fossil fuels, followed by HSBC

Their biggest contributions to the climate crisis are in the oil and gas companies they finance

Banks including Barclays, HSBC, Lloyds, and NatWest have all been identified as having historical links to slavery, and beneficiaries received financial compensation through the 1837 Slave Compensation Action. Some have committed to paying reparations.

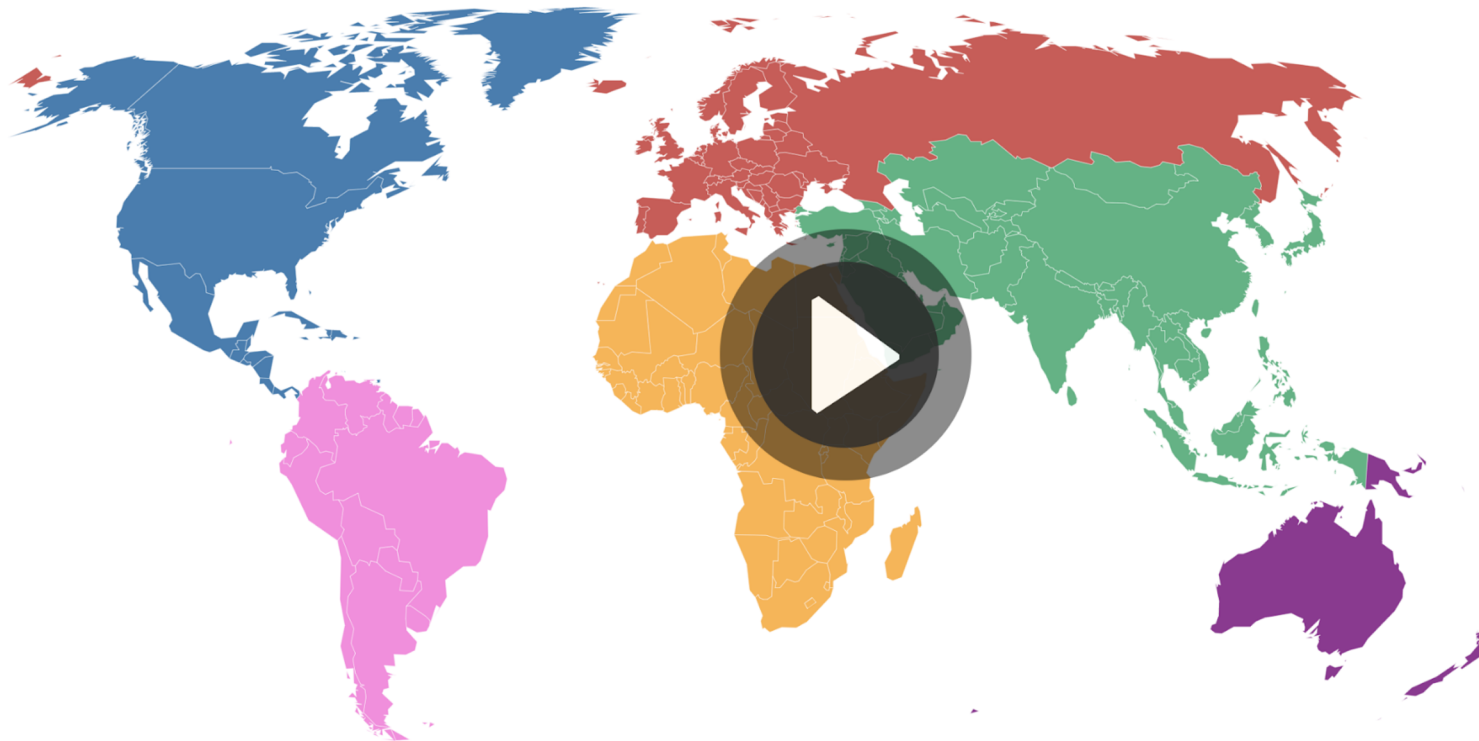


**FUNDING
CLIMATE
CHAOS**

**HOW UK BANKS ARE
CONTINUING TO FUND
THE CLIMATE CRISIS**

Carbon Map

BACKGROUND **RESPONSIBILITY** **VULNERABILITY**
Area Population Wealth Extraction Emissions Consumption Historical Reserves People at risk Sea level Poverty



Shade by

Continents

- Europe
- Africa
- Asia
- North America
- South America
- Oceania

This map

This is the world as seen in one of the most common maps: the Robinson projection.

[ABOUT THIS TOOL](#) [DATA SOURCES](#)

Taking Climate Action

Climate Justice

Energy and transport

Circular Economy

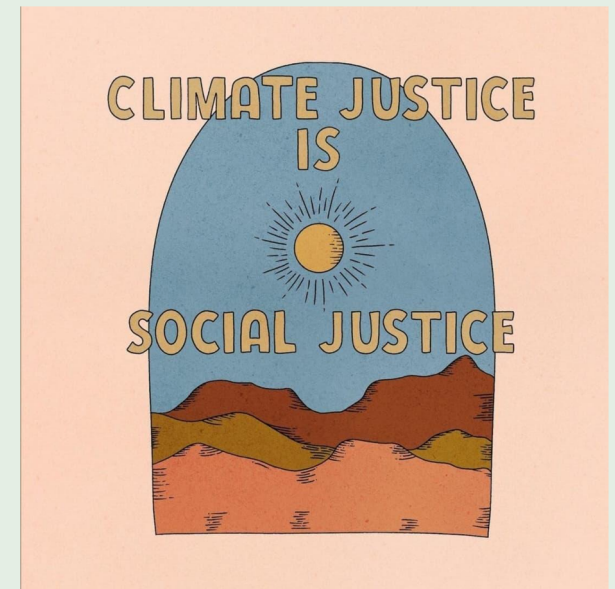
Agriculture and Land Use

Individual and community action

Local, National and Global action

Climate Justice

- Climate justice looks at the climate crisis through a human rights lens and on the belief that by working together we can create a better future for present and future generations.
- As a form of environmental justice, climate justice is the fair treatment of all people and the freedom from discrimination in the creation of policies and projects that address the climate crisis, as well as the systems that create climate change and perpetuate discrimination.



Climate justice *“insists on a shift from a discourse on melting ice caps into a civil rights movement with the people and communities most vulnerable to climate impacts at its heart”* Mary Robinson

- Emissions – keeping 1.5 alive
- Shifting away from coal
- Phasing out fossil fuel subsidies
- Curb methane emissions
- Ending deforestation

What didn't happen:

- Taking responsibility for past emissions
- Treaty is not legally binding
- Climate finance for the Global South



COP26 clearly showed we cannot rely on governments to make the necessary changes to prevent climate breakdown. Local governments, communities, organisations and businesses need to step up to drive the necessary changes. This includes the arts and cultural sector (central focus for session 2)

Electricity

- Decarbonising electricity, phasing out fossil fuels
- Increase the amount of renewables in the national grid
- Reduce energy consumption

Efficiency of Buildings

- Improve energy efficiency in buildings
- Retrofitting - Insulation, double/triple glazed windows
- Electrifying heat supply, heat pumps
- Environmental and social justice



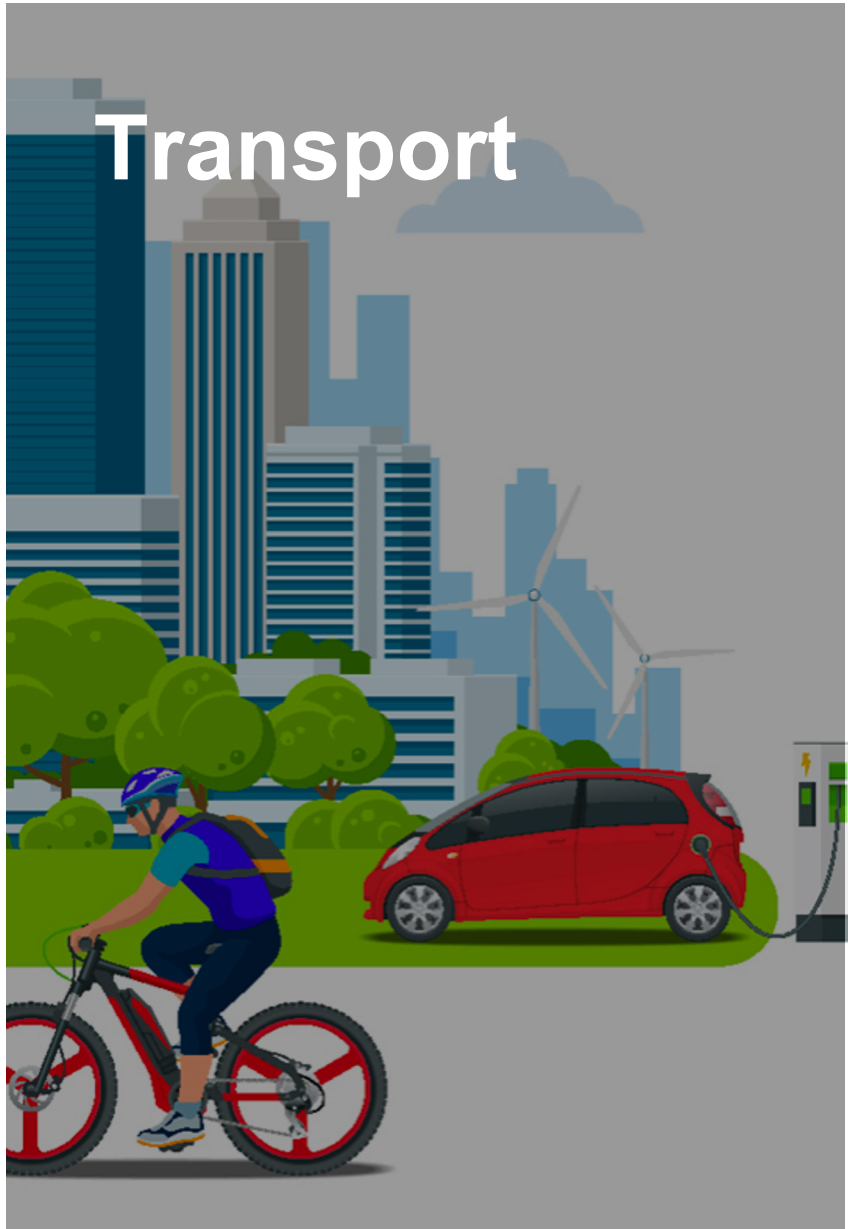
Our Newcastle Our Future

Newcastle
City Council 

Net Zero Newcastle - 2030 Action Plan



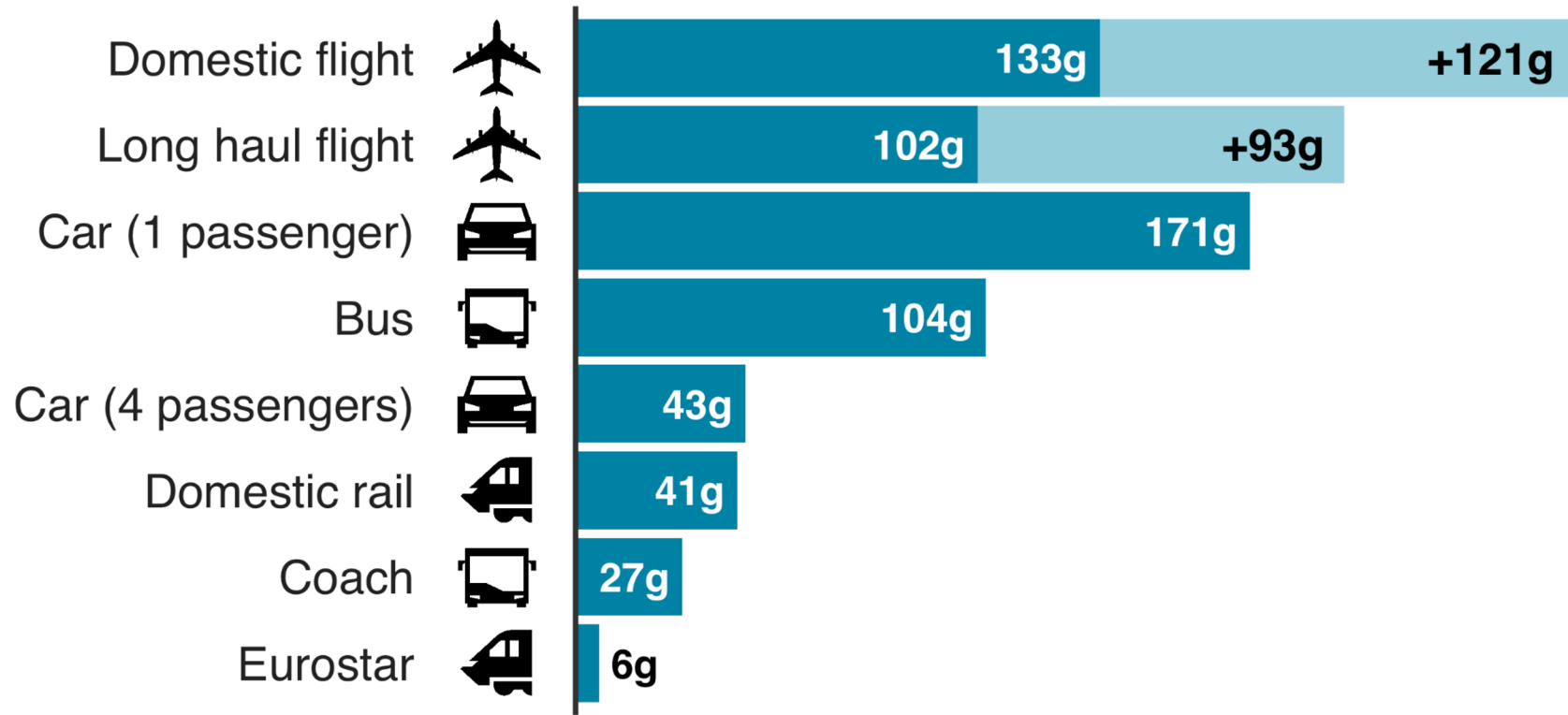
Transport



- Decarbonise transportation – $\frac{1}{4}$ of UK emissions
- HGV fleets to zero emission
- Renewable infrastructure to support this
- Many ethical issues, improvements needed
- More active travel, accessible low carbon transport
- Mass reductions in aviation

Emissions per passenger per km travelled

■ CO2 emissions ■ Secondary effects from high altitude, non-CO2 emissions



Note: Car refers to average diesel car

Source: BEIS/Defra Greenhouse Gas Conversion Factors 2019

Decarbonising transportation in Newcastle

- Clean Air Zone from July 2022
- Zero emission buses (3 to join the transport fleet, currently consisting of more than 8,000 diesel buses)
- Home Charging – government grants for purchase and installation
- The Plug in Van grant for businesses, and workplace charging car scheme.
- Power trip - off-grid e-bike charger on Newcastle Quayside



Agriculture and land use

- Restore biodiverse forests
- Restore peatlands
- Reduce food waste
- Eating less meat and dairy, centring regenerative agriculture
- Local and seasonal



FoodCycle

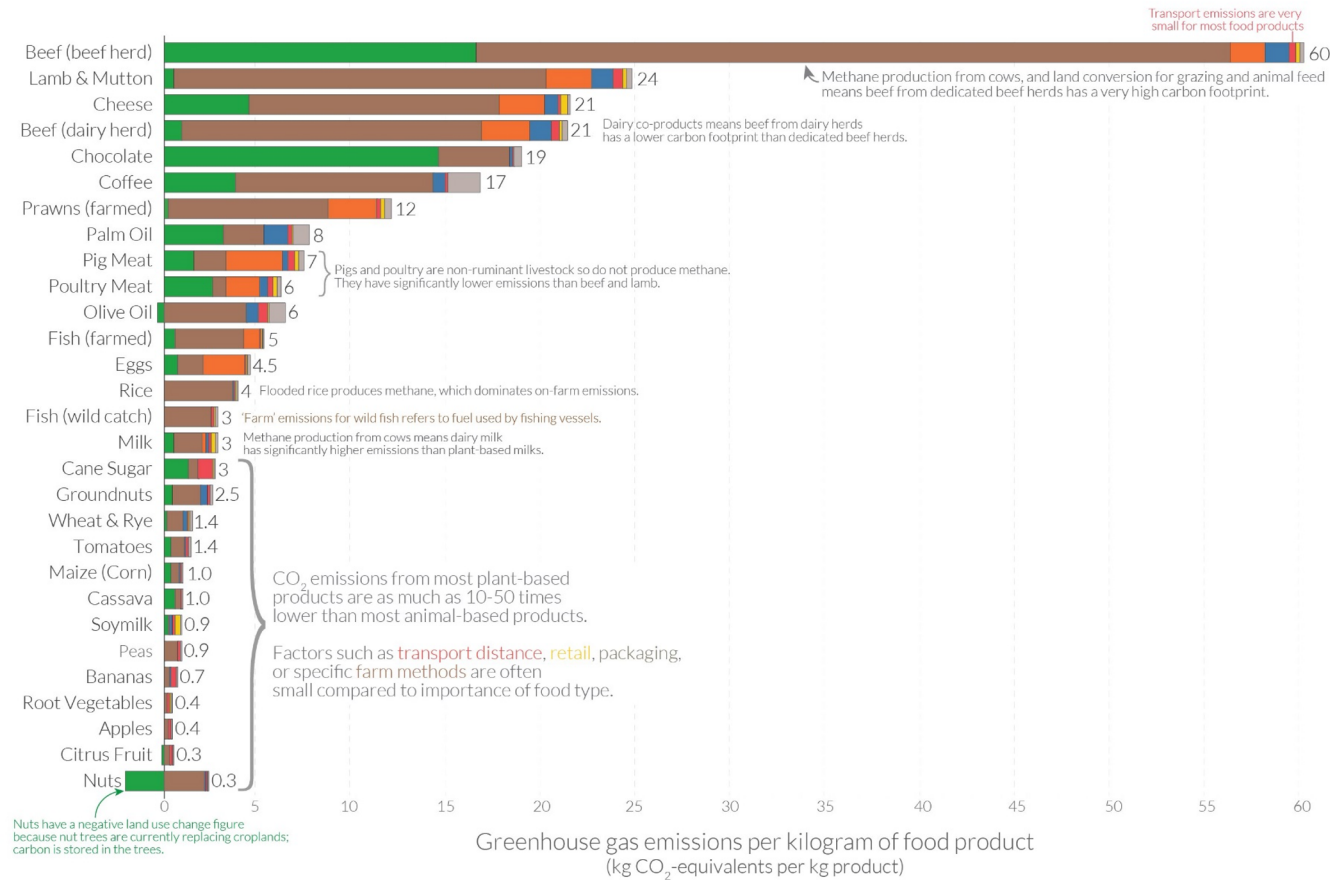
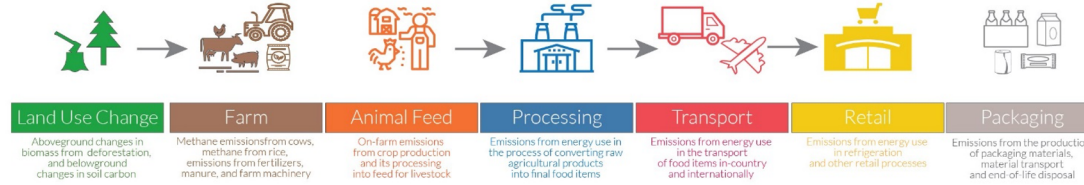
- *A national charity that is based on the simple idea that food waste and food poverty should not coexist. It promotes healthy, sustainable attitudes towards food and its impact on the environment and help people to learn more about healthy food.*

'our vision is to make food poverty, loneliness and food waste a thing of the past for every community'

- *They run over 30 projects across the UK - including 10 in London*
- *The charity reports that every year, 20 million tons of food is put to waste in the UK. At least 400,000 tons of this waste is edible food disposed of by retailers because it has lost its commercial value. FoodCycle serve over 950 community meals a week, using over a ton of reclaimed food.*



Food: greenhouse gas emissions across the supply chain



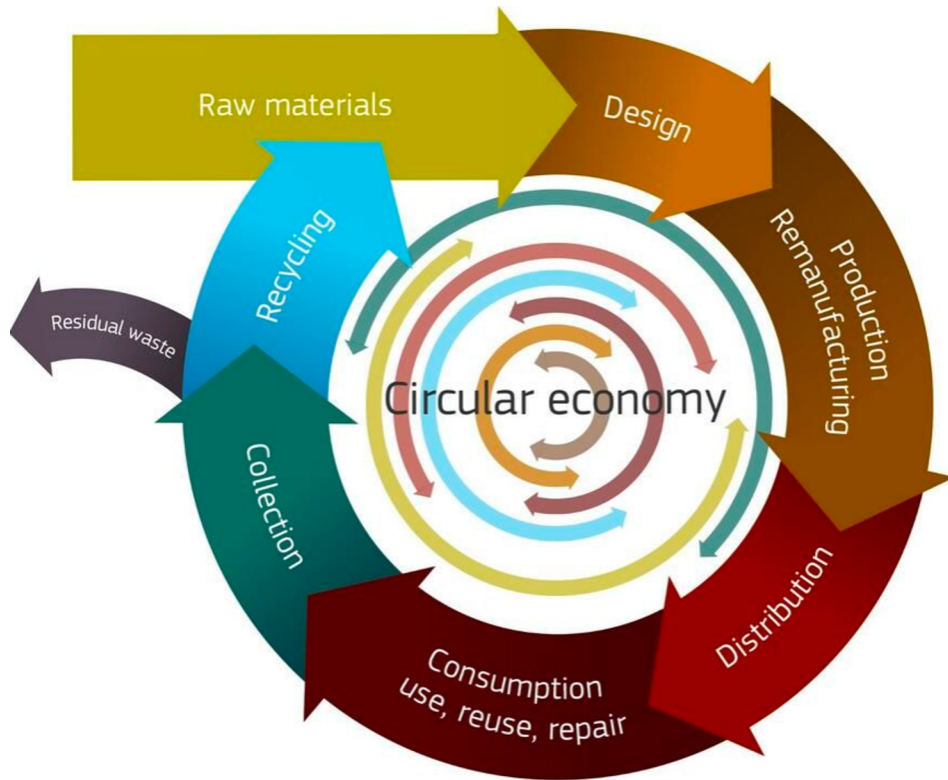
Note: Greenhouse gas emissions are given as global average values based on data across 38,700 commercially viable farms in 119 countries.
 Data source: Poore and Nemecek (2018). Reducing food's environmental impacts through producers and consumers. *Science*. Images sourced from the Noun Project.
 OurWorldinData.org – Research and data to make progress against the world's largest problems. Licensed under CC-BY by the author Hannah Ritchie.

Aims to become a sustainable food city by building networks, connecting with others and promoting good sustainable food to improve the quality of lives in Newcastle upon Tyne.

6 key areas of work:

- Food health and access
- Tackling food poverty
- Building community food knowledge, skills, resources and projects
- Strengthen the local sustainable food economy
- Transforming Catering and Food Procurement
- Reducing food waste and the ecological footprint of the food system





Vs

Linear economy



Circular Economy

- World of books
- Shopping 2nd hand
- Marketplaces
- Repair cafes
- Slow Factory
- Ellen Macarthur Foundation
- Freecycle

Repair, Re-use, Upcycle

Online repair guides:

<https://www.repaircafe.org/en/community/repair-guides/>

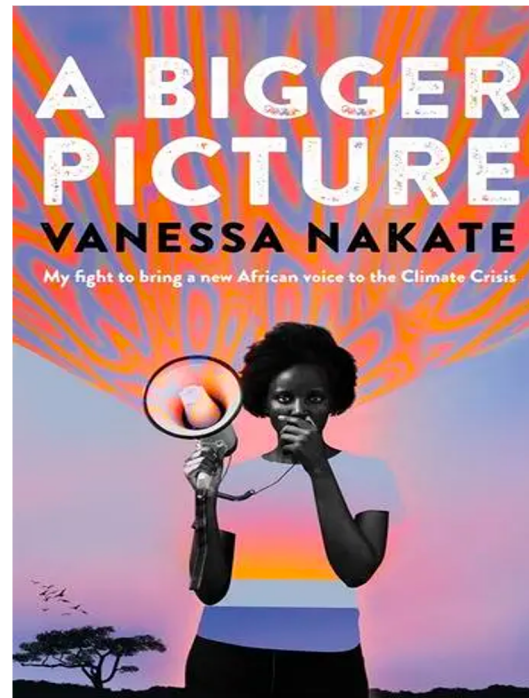
Building a worldwide sharing movement that reduces waste, saves precious resources & eases the burden on our landfills while enabling our members to benefit from the strength of a larger community.



Other Personal Actions

- Divert food from landfill using apps like Too Good to Go and Olio
- Ethical consumer
- Save water, save money – Free water saving devices!
- Renewable energy tariffs - Big Clean Switch
- Ethical banking and investment - fossil fuel divestment
- Car sharing apps - BlaBla Car
- More plant-based, local and seasonal food
- Engaging spheres of influence
- Case studies of meaningful action – what are we moving towards?
- Normalising upcycling, Second Hand sourcing
- **Community Action!**

- See yourself as a citizen, not a consumer
- Be informed, listen
- Use your voice, share, connect
- Volunteer
- Be politically engaged
- Move beyond fossil fuels (finance, transport, energy etc.)
- Reforestation
- More plant based food choices
- Use technology responsibly
- Circularity in materials use



Shifting public opinion in the UK

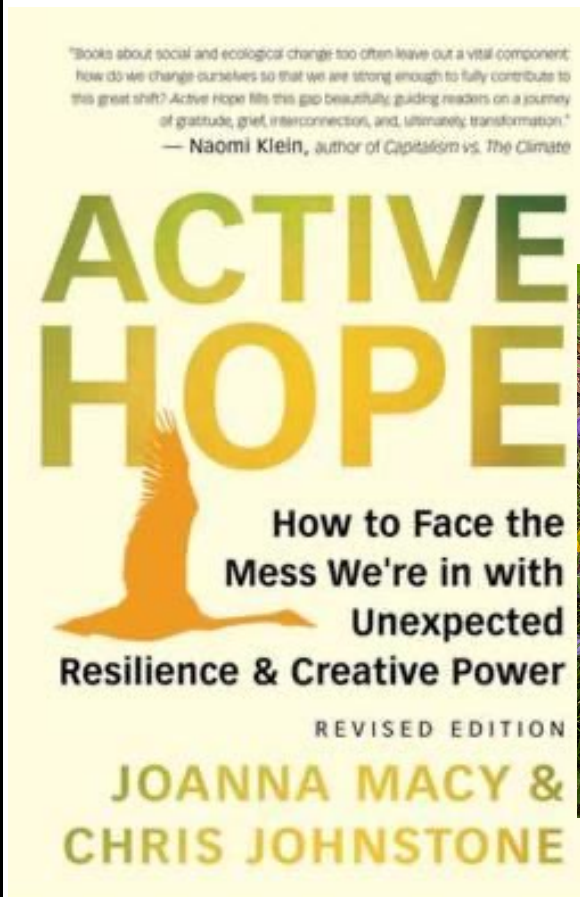
Source: <https://www.carbonbrief.org/guest-post-rolls-reveal-surge-in-concern-in-uk-about-climate-change>



- 80%+ of UK population class themselves as either concerned or very concerned about climate change, and increasing year on year
- 66% of UK population “would be willing to make personal sacrifices for the climate as long as I knew others were doing the same”
- 63% of UK population looking to buy more home grown produce
- UK population eating 32% less red meat compared with 1992
- Massive rise in plastic free shopping

A Crisis of imagination

- Reviving our collective imagination is vital to cultivate the responses needed to the poly-crises we face in society
- The role of artists within this is essential
- The power of stories in unlocking new possibility, beyond facts and figures



Where are you seeing climate action?

In your groups, have a think about organisations/actions you're seeing taking climate action:

- Locally
- Nationally
- Globally

What does meaningful action look like to you?





Reflections from session 1

- Questions
- Takeaways
- Knowledge sharing
- Session 2 next week

THE ROLE OF ARTS AND CULTURE IN THE CLIMATE CRISIS

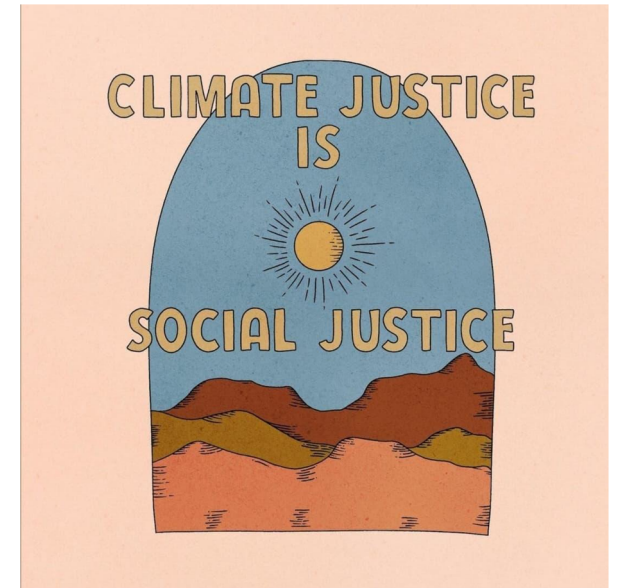
Marla King
VOXED Environment Officer

What can
climate action
look like for
the arts
sector?



Climate Justice

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Climate justice *“insists on a shift from a discourse on melting ice caps into a civil rights movement with the people and communities most vulnerable to climate impacts at its heart”* Mary Robinson

Environmental Policy/Action Planning

- For organisations/project based companies, having a dedicated resources for implementing climate action. For freelance artists between projects, advocating for these changes with companies you work with.
- Setting targets and documenting improvements
- Since 2012, environmental reporting has been a condition of all Arts Council funding agreements for NPO's. Also expected to submit environmental policies and action plans.
- In 2022, Creative Scotland commissioned Creative Carbon Scotland to produce a Climate Emergency and Sustainability Plan. This includes the target that all creative businesses reach Net Zero by 2045
- Julies Bicycle guidelines for creating environmental policy/action planning: <https://juliesbicycle.com/resource/environmental-policy-and-action-plans-an-overview/>



Things to consider...

- Environmental responsibility written into contracts
- Embedded in project planning process
- Beyond carbon accounting
- Partnerships and collaborations – who are you building long term relationships with?
- Environmental impact reporting - action can be taken in tandem
- Green team
- Normalise knowledge sharing – collective learning and sharing over competition
- Green rider
- Many theatres may have deprioritised environmental agenda
- Process and actions will look different. Context dependent

Reducing Energy Consumption

- Insulation. Electrify heat supply. Renewable energy - Big clean switch
- Hydrogen generators – moving away from diesel backup generator.
- On site power generation
- Reduce energy usage – replace lights. Specify Energy Star certified equipment where possible.
- Reduce digital footprint
- Automate venue control systems to minimise wastage of electricity



Julie's Bicycle Green Rider - can empower freelancers/organisations to catalyse change in areas not within direct control. (energy, waste, audience and staff travel, production, other recommendations)

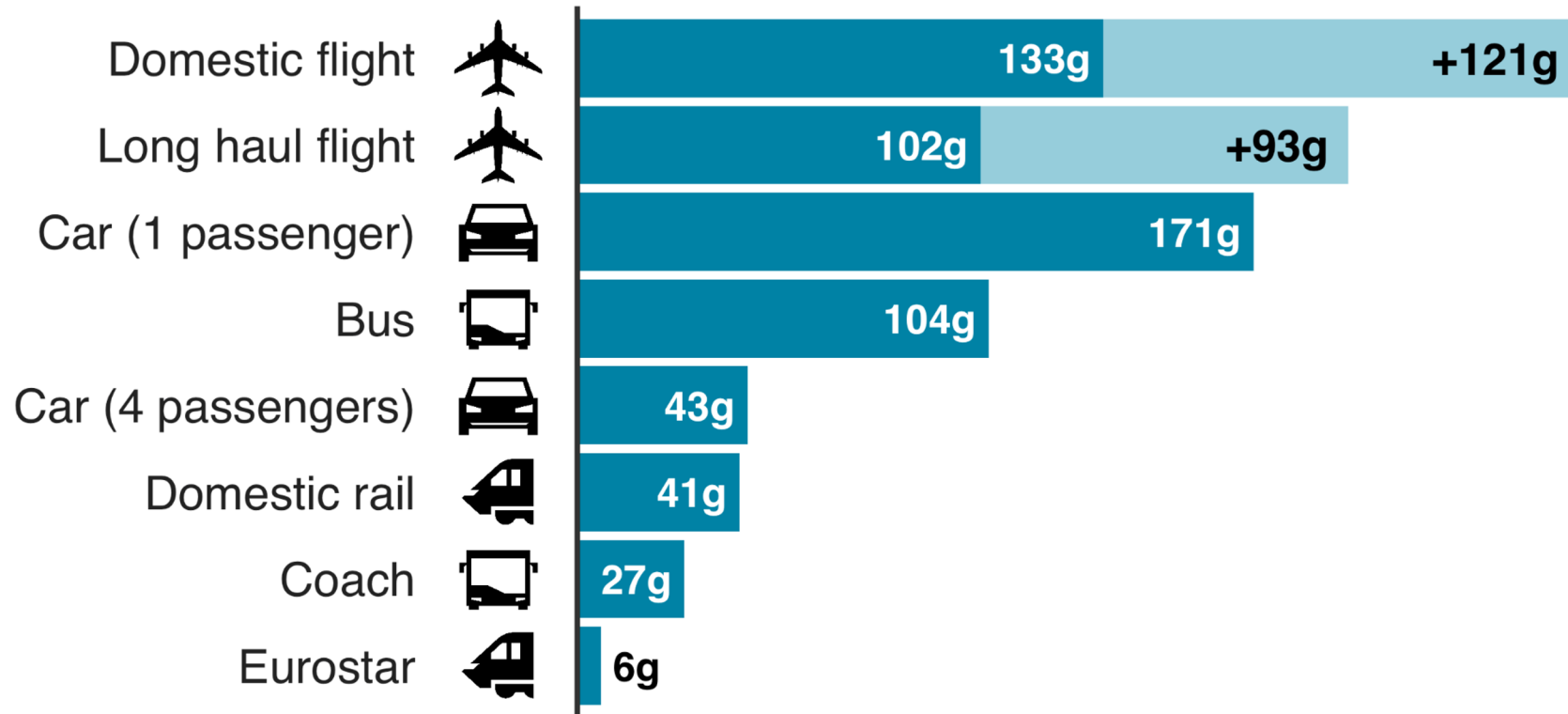
Transport and Touring

- EV/Car Sharing Schemes
- Intelligent use of vehicles, prioritising low carbon modes of transport
- Theatre digs close to venues
- If taxi, look for greener options (e.g. Green Tomato Cars in London)
- Guidance on low carbon transport for staff and audiences
- Record audience travel
- Ecolibrium



Emissions per passenger per km travelled

■ CO2 emissions ■ Secondary effects from high altitude, non-CO2 emissions

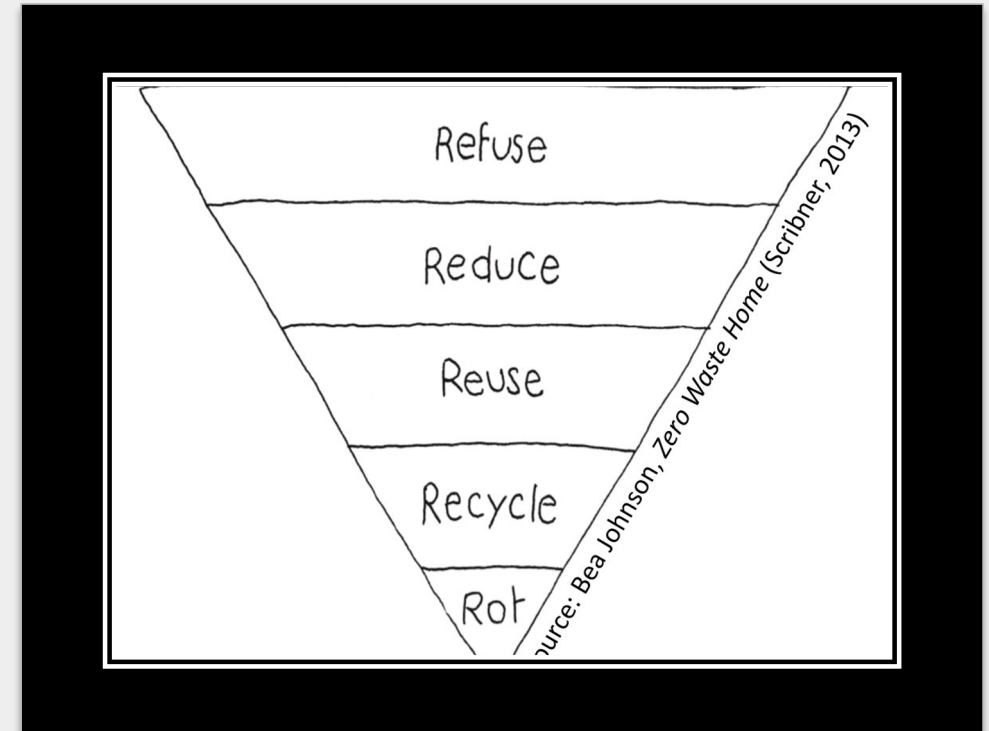


Note: Car refers to average diesel car

Source: BEIS/Defra Greenhouse Gas Conversion Factors 2019

Waste and recycling

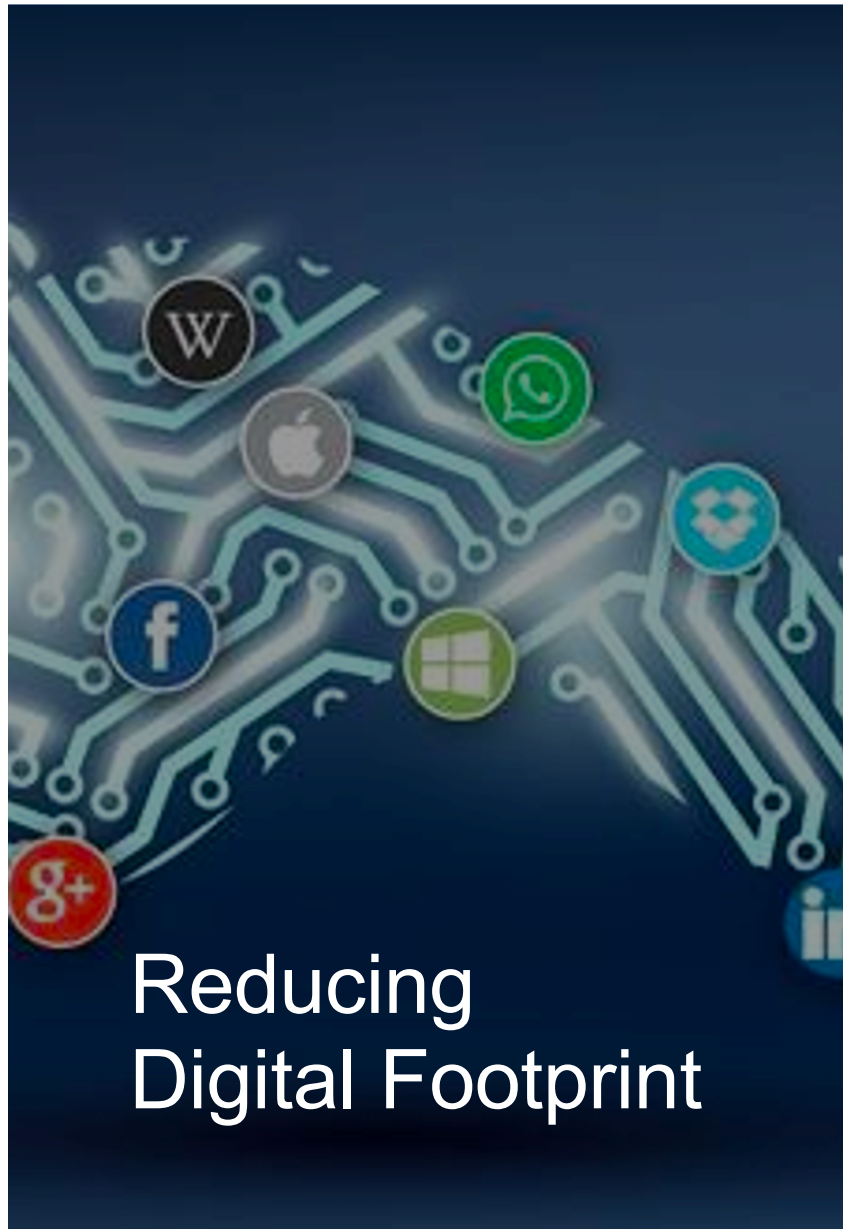
- Reducing the amount of waste you produce is far more impactful than focusing on the amount of recycling you can do
- This is especially true of plastic waste, rather than focusing on how to recycle more of it, try and get rid of it all together!
- The UK produces more plastic waste per person than almost any other country in the world. Only the US is worse
- The print industries are thought to represent up to 4% of global energy consumption. 10 litres of water required per A4 sheet of virgin paper



Sustainable Procurement



- Sustainable/second hand sourcing. Local where possible.
- Sustainable and ethical procurement policy/standardised procedure
- Talk to suppliers, open up dialogue on environmental and ethical considerations of supply chain
- Materials audit - full life cycle consideration
- •Theatre Green Book 1 – materials inventory spreadsheet:
<https://theatregreenbook.com/sustainableproductions-toolkit/materials-inventory/>
- Government sustainable procurement flexible framework:
<https://www.gov.uk/government/publications/sustainable-procurement-in-government-guidance-to-the-flexible-framework>
- Embedding small scale degrowth/doughnut thinking



Collectively, digital world accounts for 3% of global GHG emissions – similar to the entire aviation industry

50 million tonnes of e-waste produced every year

Be mindful of emails. Drive links vs attachments

Switch to a green hosting provider

Declutter cloud storage

More advice can be found on website called [Wholegrain digital](#).

Fossil fuel divestment

National Portrait Gallery and BP to cut ties after 30 years

Firm will cease sponsorship of portrait award, in latest boost to campaign against oil involvement in the arts



Extinction Rebellion members covered in fake crude oil protest against an exhibition sponsored by BP at the National Portrait Gallery in October 2019. Photograph: Henry Nicholls/Reuters

The National Portrait Gallery and BP have announced they will not extend their partnership beyond December 2022, when their contract comes to an end.

Royal Shakespeare Company to end BP sponsorship deal

Theatre company's move comes after growing criticism over its links with oil firm



National Theatre to end Shell membership from next year

Move comes as opposition grows to fossil fuel firms' links with UK arts bodies



In May 2022, Point One and Indigo Ltd partnered to deliver Act Green, a piece of research into the attitudes of UK cultural attendees towards the climate crisis. Research found that 77% of audience members expect theatres to address the climate emergency

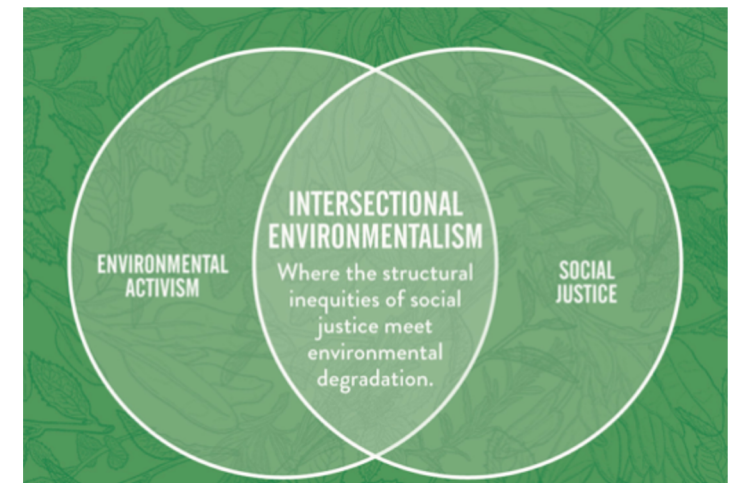
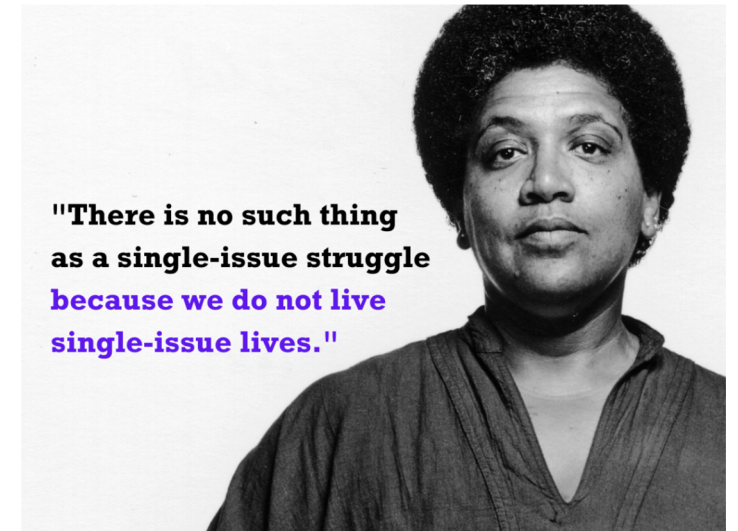
Social justice and the climate crisis

The climate crisis has been fuelled by a society built on colonialism, systemic racism and social injustice

Recognising this, reflecting on our own behaviour as individuals and as organisations is essential to mobilise action and advocating for climate and social justice.

We need to shift our attention and listen to those who are most affected, to understand how to work together to tackle these crises

We have to unite different movements and struggles and look to our local communities to see what work is already going on and how you can use your skills (or money) to support collective movements.

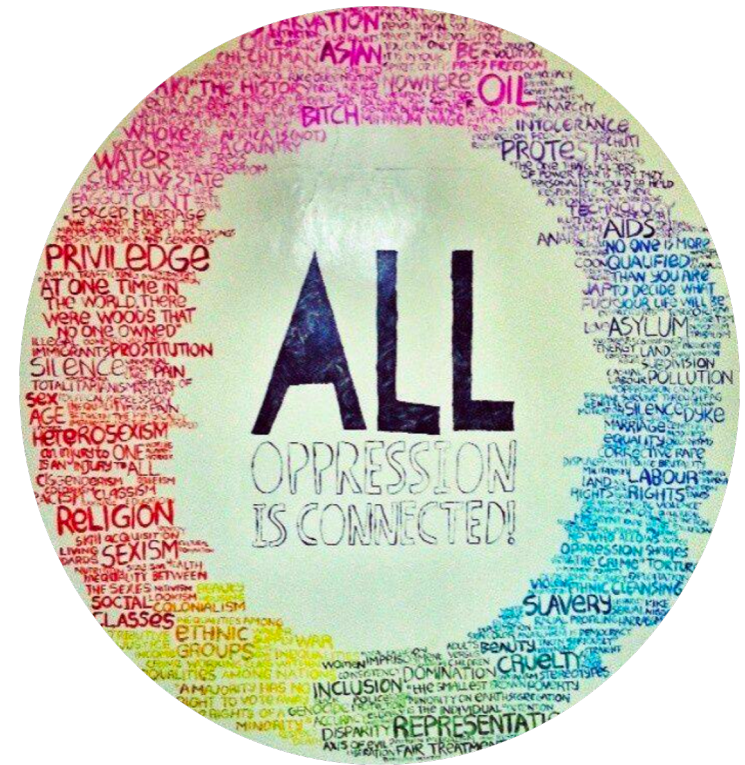


Taking an intersectional approach to climate action

Derived from the work of the Combahee River Collective + later, Professor Kimberlé Crenshaw. Intersectionality is the complex, cumulative way in which the effects of multiple forms of discrimination (such as racism, sexism, ableism, classism) combine, overlap, or intersect especially in the experiences of marginalized individuals or groups. When it comes to thinking about how inequalities persist, aspects of our identity are best understood as overlapping rather than isolated and distinct.

All aspects of our identity, as well as the issues we face in society, are deeply interconnected so therefore our actions must reflect this through taking an intersectional approach

More info – The Intersectional Environmentalist by Leah Thomas



Your sphere of influence

- Contractors
- Artists and other companies
- Sponsors/funders
- Policy makers
- Suppliers
- Wider cultural sector
- Wider networks
- Audiences



Dance City Environmental Action

- Industry Green Report 2012-2013
- Dance City's Industry Green Certificate 1 star
- Are there more recent actions that have occurred?
- Dance City environmental policy?
- Educational opportunities
- <https://www.dancecity.co.uk/environmentalgreen-info/>



A black silhouette of a diverse group of people of various ages and ethnicities, shown from the chest up, looking towards the right. The background is a light gray gradient.

Engaging your audience

- Not everything you do may be about the climate crisis, but climate justice can be within everything you do
- Engaging our audiences and giving them an emotional connection to climate change is a uniquely powerful thing that only we can do in the creative sector
- Collective learning, sharing information, workshops. Gateway for climate education



Our Time on Earth



Music Declares Emergency



Climate Encounters – Yorkshire Dance



Alcina– Opera North



Shambala Festival

- Attempted to design plastic out of the festival ecosystem all together
- Plastic free festival guide to educate audience on what not to bring
- Site wide ban on sale of drinks in plastic bottles – installed additional water points and sold stainless steel water bottles on site. Introduced reusable bar cups and hot coffee cups
- Reduced overall carbon footprint by **90%** since 2009



Roskilde Festival

In 2018, Roskilde Festival in Denmark marked all 400 food options served by 100 different traders with climate labels, so audience & crew could see the carbon footprint of everything on offer.

COMPANY CHRISTOPH WINKLER

Mapping Environmental Dance

A global project aiming to make the climate crisis more tangible and visible by combining knowledge of the earth's climatic changes with traditional and contemporary dances from around the world that reflect human beings and their integration into nature. They are complemented by interviews in which farmers, artists and climate activists report on how climate change becomes tangible for them.

“Climate change is still too often communicated only through scientific parameters. There is a lack of approaches in which the scientific facts are brought together with the individual experience of people. Our project is an attempt to do exactly that: dances in which the experiences of local dance artists are expressed are combined with factual climate data.”



pigfoot

Carbon neutral theatre company since 2018

Transparency on actions, impacts, learnings

Advice on sustainable theatre

Environmental impact report

Climate themed work

Education programme



European Dance Network



- The conference will bring together conversations, thoughts, and actions around the theme of ecological sustainability.
- EDN will share findings and recommendations with the presentation of EDN's upcoming publication, "Environmental Sustainability in Contemporary Dance: Emerging Issues, Practices and Recommendations."

Register here:

- https://www.ednetwork.eu/activities/edn-conference2022?fbclid=IwAR3wBw-QtG7XQ6QfHG9aUgGsUPYu_MANrqV_FGmPqiewtMV9v8ZdYuOONtQ

culture declares emergency

#CultureTakesAction

Vision

The cultural sector has a key role in creating a regenerative future, embedding sustainability for the environment and everyone, everywhere.

Mission

To grow, support and mobilise a movement of declarers in the UK cultural sector, and inspire and work with others internationally.

Values

Embedding truth-telling, action-taking and justice-seeking.

Tools for Action:

- Toolkits
- Inspiration
- Cleaning up funding

Julie's Bicycle

CREATIVE • CLIMATE • ACTION

Julie's Bicycle is a pioneering not-for-profit, mobilising the arts and culture to take action on the climate and ecological crisis.

SAIL

Not-for-profit membership network of organisations and individuals in the cultural and creative sector of Leeds, who have come together to take action on the Climate Emergency.

THE THEATRE
GREEN BOOK

A common standard for making theatre sustainably.
Free resource for everyone in the UK theatre sector.
Productions - Buildings - Operations



Environmental sustainability for film + TV. This is the place to share, learn and act on our impact

Biodiversity

- Encouraging wildlife wherever you can
- Tree planting initiatives
- Creating habitats for insects (e.g. bee hotels, living walls/roof).
- Around 70% of crop species rely on insect pollination
- There has been a 75% reduction in populations of flying insects since 1989
- E.g. Orchestra for the Earth Tickets for Trees - "For every ticket sold to an OFE concert, we plant a tree with the Eden Reforestation Projects. This is not about offsetting our emissions or environmental footprint. It's simply about adding to the good our performances achieve."





Carbon offsetting

- Carrying on as normal and then purchasing carbon offset credits is not an effective strategy for carbon reduction
- Some of the schemes fund worthwhile causes, however many schemes can actually harm biodiversity through clearing ecologically healthy forests and in some cases displacing Indigenous communities from their land.
- Be sure to do your research!

<https://www.goldstandard.org/>

Discussion

Exploring meaningful climate action we could take

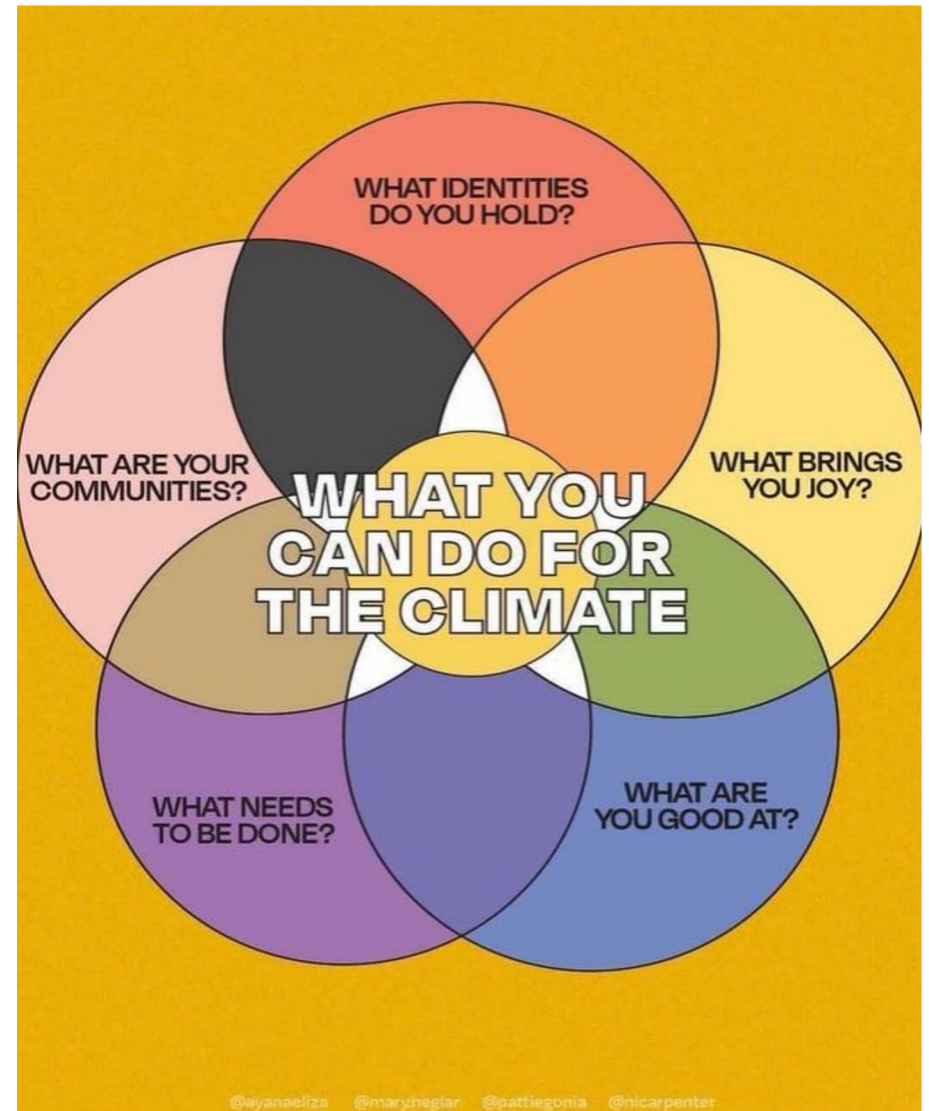
- Short-term
- Long-term
- What impact would this action have?





ayanaeliza

World of Venn Diagrams



An aerial photograph of a coastline. The top portion shows a sandy beach with gentle waves lapping at the shore. Below the beach, the ocean becomes more turbulent, with white-capped waves crashing against a rocky or reef-lined shore. The water transitions from a light, foamy white to a deep, dark blue as it extends into the open sea. The overall scene conveys a sense of natural power and the interface between land and water.

Climate Anxiety and Collective Wellbeing

"How can we build a sustainable world if we cannot be sustainable in ourselves?"

<https://www.climatepsychologyalliance.org/>

Places to go for more inspiration

- [Post-Session Document](#)
- [Culture Declares Emergency](#)
- [Julie's Bicycle](#)
- [Albert](#)
- [Creative Carbon Scotland](#)
- [Sustainable Arts in Leeds](#)
- [Sustainability in Production Alliance](#)
- [Theatre Green Book](#)



Never doubt that a small group of thoughtful, committed citizens can change the world; indeed, it's the only thing that ever has.

— *Margaret Mead* —

AZ QUOTES

Session 1 Links:

IPCC Reports -

<https://www.ipcc.ch/reports/>

Naomi Klein Essay (Green Colonialism

reference: <https://www.lrb.co.uk/the-paper/v38/n11/naomi-klein/let-them-drown>

Exxon internal document on climate impacts:

<https://insideclimatenews.org/wp-content/uploads/2015/09/James-Black-1977-Presentation.pdf>

Inside Climate News article for more context as a starting point:

<https://insideclimatenews.org/news/22122015/exxon-mobil-oil-industry-peers-knew-about-climate-change-dangers-1970s-american-petroleum-institute-api-shell-chevron-texaco/>

Big oil blocking climate action:

<https://www.climateRealityProject.org/blog/climate-denial-machine-how-fossil-fuel-industry-blocks-climate-action>

Role of banks starting point:

<https://www.ethicalconsumer.org/money-finance/uk-banks-still-funding-climate-change-chaos>

Carbon Map: <https://www.carbonmap.org/>

COP26 outcomes:

<https://www.carbonbrief.org/cop26-key-outcomes-agreed-at-the-un-climate-talks-in-glasgow/>

Net Zero Newcastle Action Plan:

https://www.newcastle.gov.uk/sites/default/files/Climate%20Change/Net%20Zero/Net%20Zero%20Newcastle%20-%20202030%20Action%20Plan_0.pdf

OLIO:

<https://olioex.com/>

Ethical consumer magazine:

<https://www.ethicalconsumer.org/>

Big Clean Switch:

<https://bigcleanswitch.org/>

Fossil fuel divestment:

<https://makemymoneymatter.co.uk/>
<https://switchit.money/>

Session 2 links:

Julie's Bicycle's environmental policy and action planning advice:

<https://juliesbicycle.com/resource/environmental-policy-and-action-plans-an-overview/>

Julie's Bicycle's Green Rider:

<https://juliesbicycle.com/resource/green-rider/>

Ecolibrium travel carbon calculator:

<https://ecolibrium.earth/travel-carbon-calculator/>

Theatre Green Book Toolkits:

<https://theatregreenbook.com/>

Government Sustainable Procurement Flexible Framework:

<https://www.gov.uk/government/publications/sustainable-procurement-in-government-guidance-to-the-flexible-framework>

Digital carbon footprint info:

<https://www.wholegraindigital.com/digitaldeclutter/>

Action by Pigfoot Theatre Company:

<https://www.pigfoottheatre.com/carbon-neutral-theatre>

Culture Declares Emergency:

<https://www.culturedeclares.org/>

Sustainable Arts in Leeds:

<https://wearesail.org/>

Creative Carbon Scotland:

<https://www.creativecarbonscotland.com/>

Climate Psychology Alliance:

<https://www.climatepsychologyalliance.org/>

Creative industries and the climate emergency new report:

<https://juliesbicycle.com/resource/creative-industries-and-the-climate-emergency-new-report/>

European Dance Network:

https://www.ednetwork.eu/activities/edn-conference2022?fbclid=IwAR3wBw-QtG7XQ6QfHG9aUgGsUPYu_MANrqV_FGmPqiewtMV9v8ZdYuOONtQ