



ABOUT JULIE'S BICYCLE

our strengths



Collaborate with organisations to develop their environmental ambitions



CONVENING

Uniquely positioned at the intersection of the cultural and environmental sectors



LEADERSHIP

Build the skills and competencies of creative professionals



TOOLS

2,000+ organisations use our tools annually to benchmark impacts and improvements



ADVOCATE

Advocate for the role for the power of arts and culture to catalyse the climate movement

WHERE WE HAVE FOCUSED OUR EFFORTS

ORGANISATIONAL
SUPPORT
(Creative Green
consultancy and
change projects)

POLICY
INTERVENTIONS
(Local, regional & national policy makers and strategy bodies)

INDIVIDUAL SUPPORT (Creative Climate Leadership) SECTOR
DEVELOPMENT
(ACE Programme,
digital tools)

INNOVATION &
DISRUPTIVE
MODELS
(Clean energy
procurement,
economic models,
etc.)

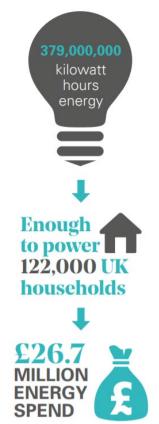




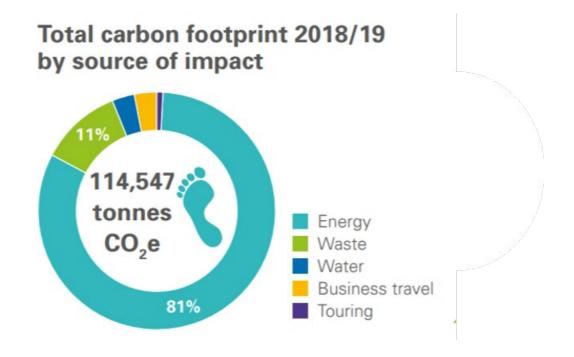




Environmental Programme













Developing understanding and skills

 ${ ilde 80\%}$ say environmental reporting helps better understand impacts

• 28% offer staff opportunities for environmental training and professional development

• 24% facilitating environmentally-themed activities and campaigns for local communities

Taking action

• 54% have installed energy efficient lighting and controls

• 64% taking steps to eliminate single-use plastics

• 20% committed to sustainable food sourcing

• 70% actively promote virtual communications technology as an alternative to travelling

Increasing collaboration

• 35% collaborate with their peers on finding and sharing environmental solutions

collaborate with neighbourhood or city decision makers on finding and sharing solutions to environmental issues

Signs of a new creative ecology

• 38% have director or board level representatives with a specific environmental remit

• 47% trialling sustainable production or exhibition methods

• 29% with an ethical sponsorship or partnerships policy

Creative opportunities

have produced,
programmed or
curated work exploring
environmental themes

have developed new creative or artistic opportunities as a result of environmental initiatives



COMMITMENT UNDERSTANDING **IMPROVEMENT**





















CURZON



National Theatre

















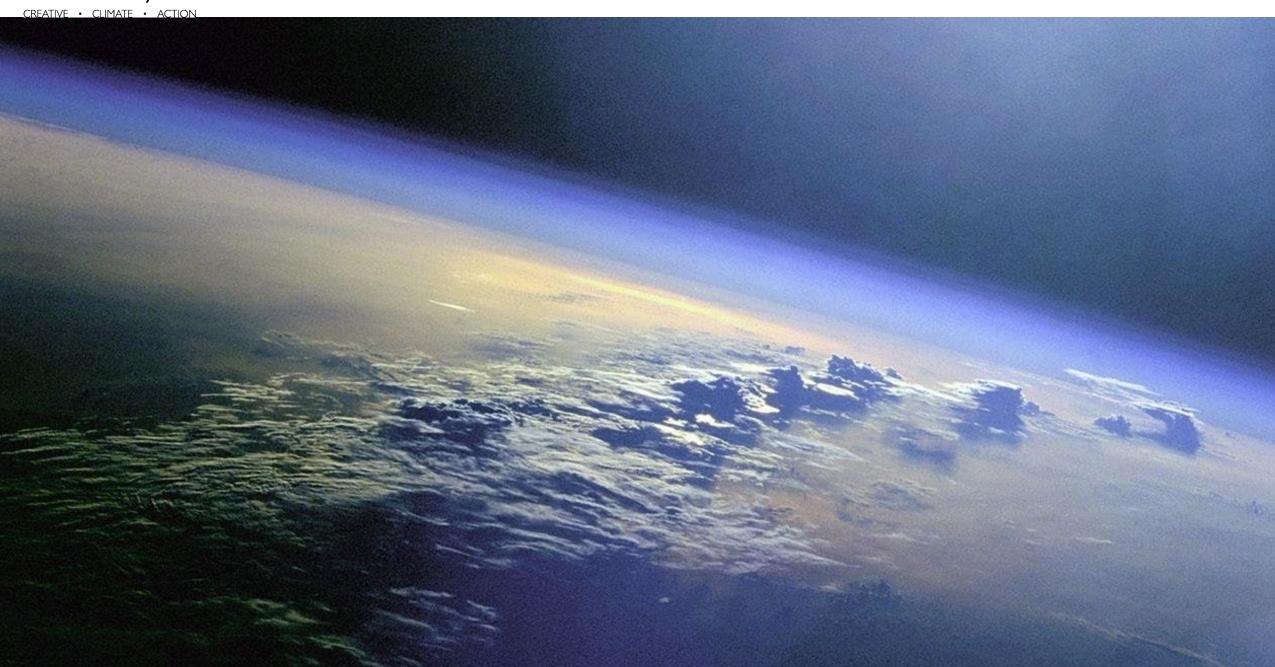


Take part in #SeasonforChange2020, a UK-wide programme showcasing cultural leadership on climate action launching later this year: seasonforchange.org.uk/takepart2020

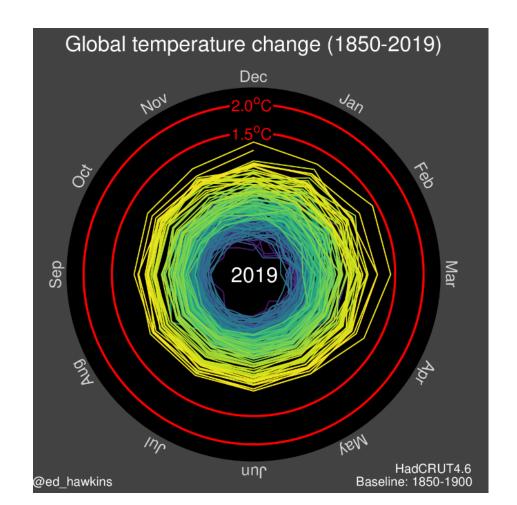
Led by @artsadm & @JuliesBicycle with support from @ace_national

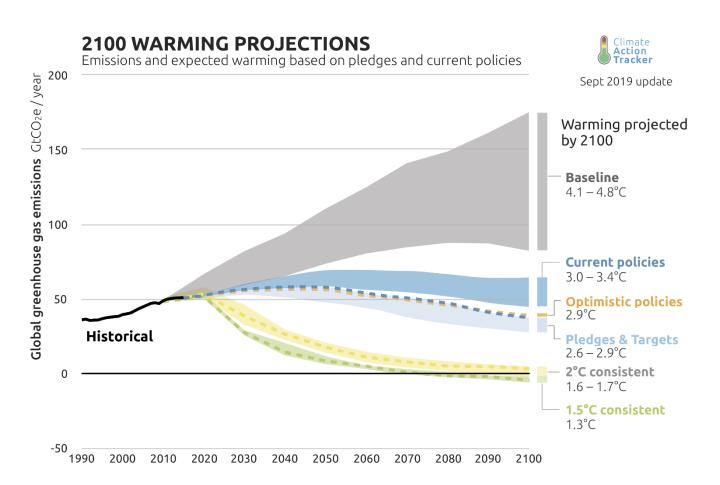
SEASON FOR CHANGE

Julie's Bicycle

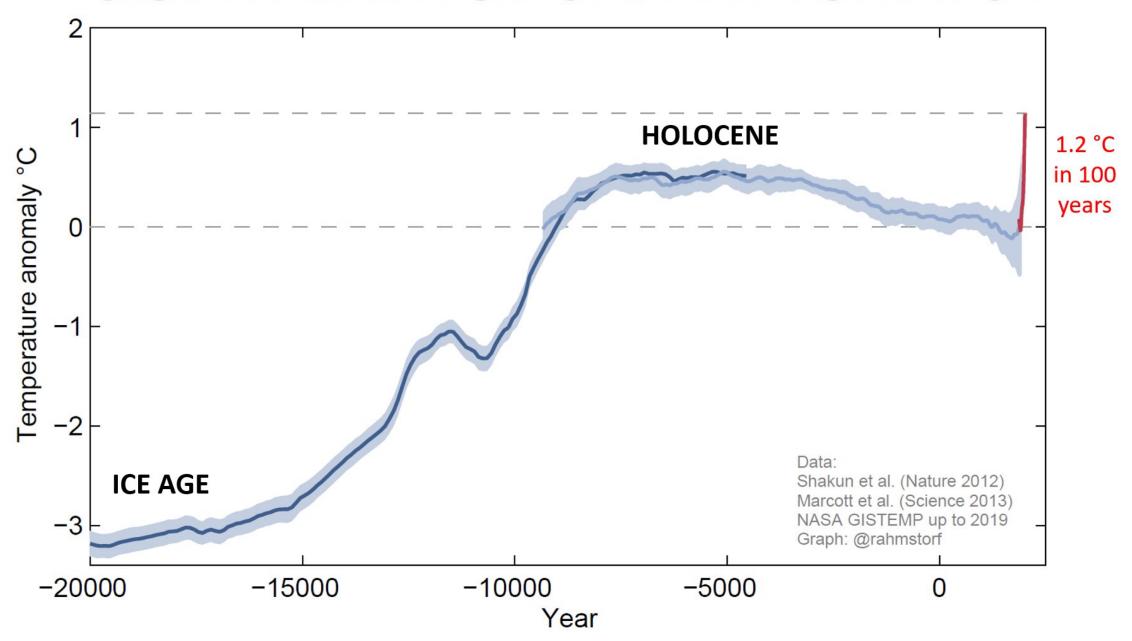


Global heating has already reached 1°C above pre-industrial levels (1850).
50% of all emissions released in last 30 years. Emissions have doubled since 1980.
We are already seeing and feeling the consequences of a 1°C increase.
We have until 2050 (at the latest) to reach net zero globally but we are currently on a pathway to about 3°C.
Net zero is only possible if we start reducing now, and reduce by half by 2030.
The next 10 years are crucial.

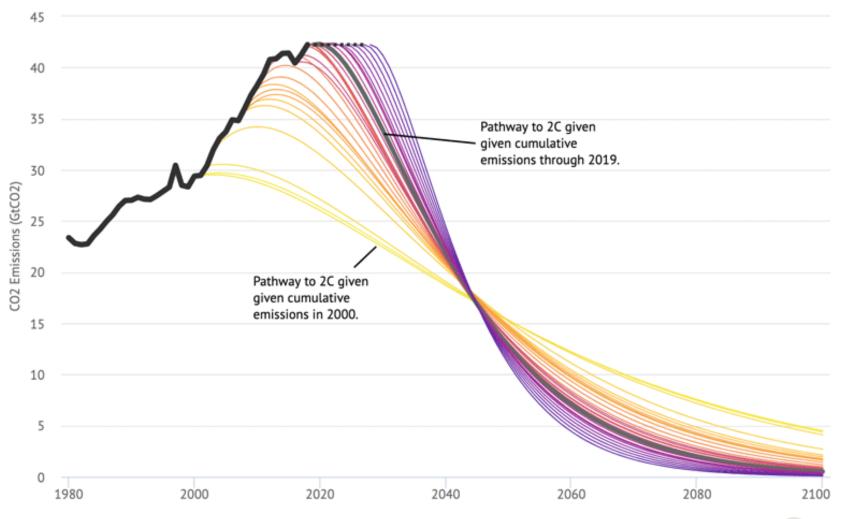




GLOBAL TEMPERATURE SINCE THE LAST ICE AGE



The later emissions peak the harder it is to limit warming below 2C

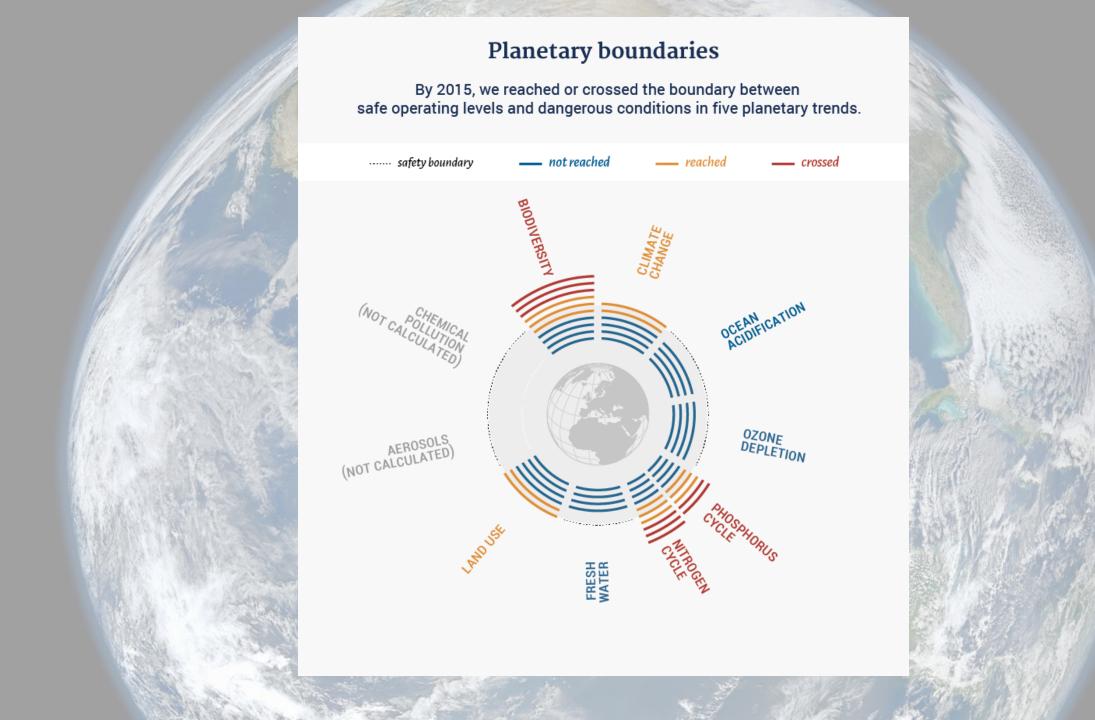


Because CO₂ accumulates in the atmosphere over time, the final amount of CO₂ in the atmosphere will depend on *when* net zero is achieved.

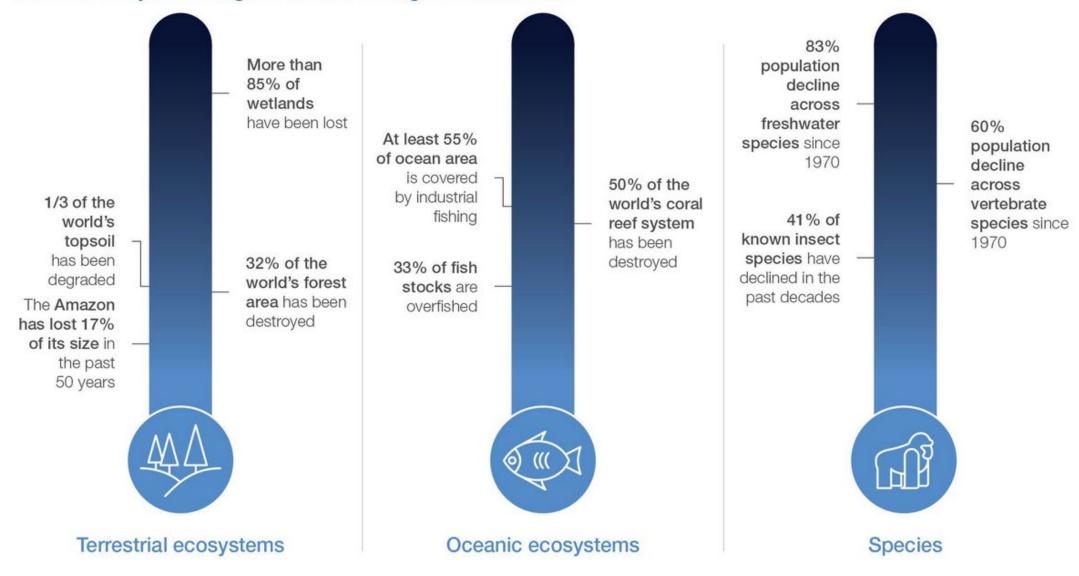
Every year that passes without substantial and lasting reduction of emissions increases the challenge of staying within the agreed carbon budget and the risk of setting off irreversible tipping points.



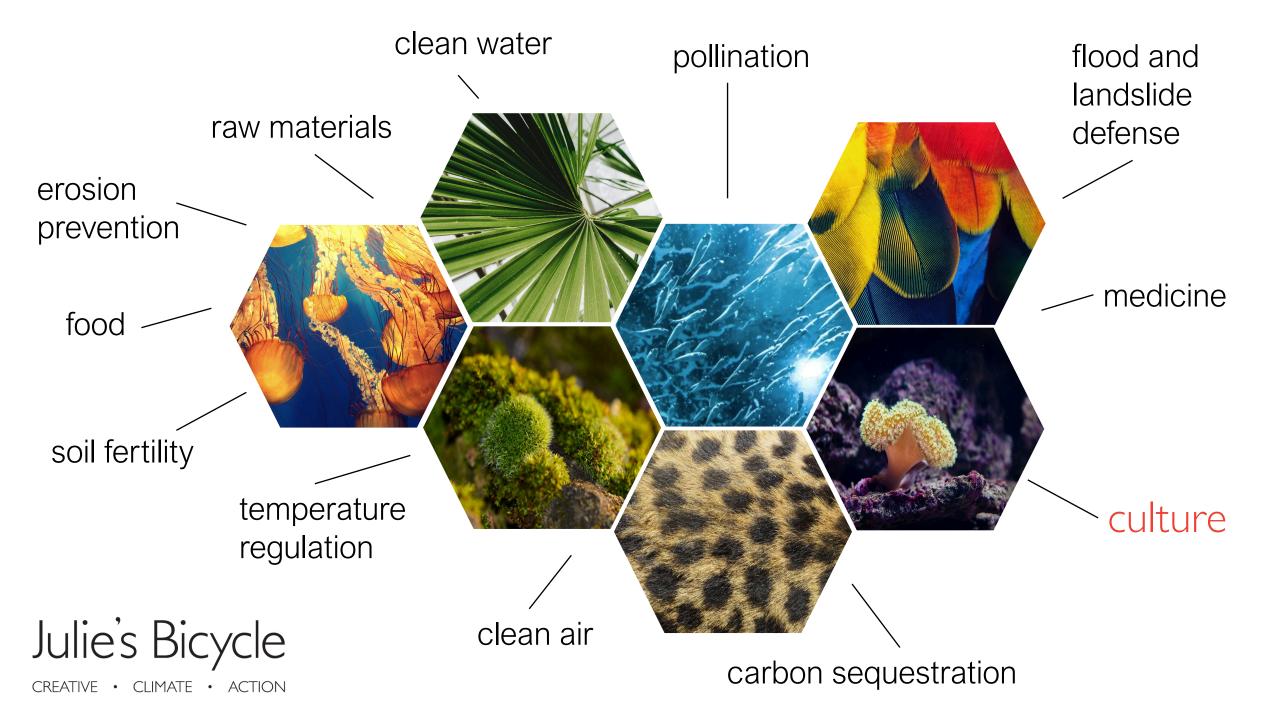




Human activity is eroding the world's ecological foundations



Source: IPBES, 2019, "Global assessment report on biodiversity and ecosystem services"; Maria-Helena Semedo of the Food and Agriculture Organization (FAO) at World Soil Day 2014; The Economist, 2019, "On the brink – The Amazon is approaching an irreversible tipping point"; WWF, 2018, "Living planet report – 2018: Aiming higher"; F. Sánchez-Bayo and K.A.G. Wyckhuys, 2019, "Worldwide decline of the entomofauna: A review of its drivers", Biological Conservation.





IPBES GLOBAL ASSESSMENT: DRIVERS OF BIODIVERSITY LOSS:

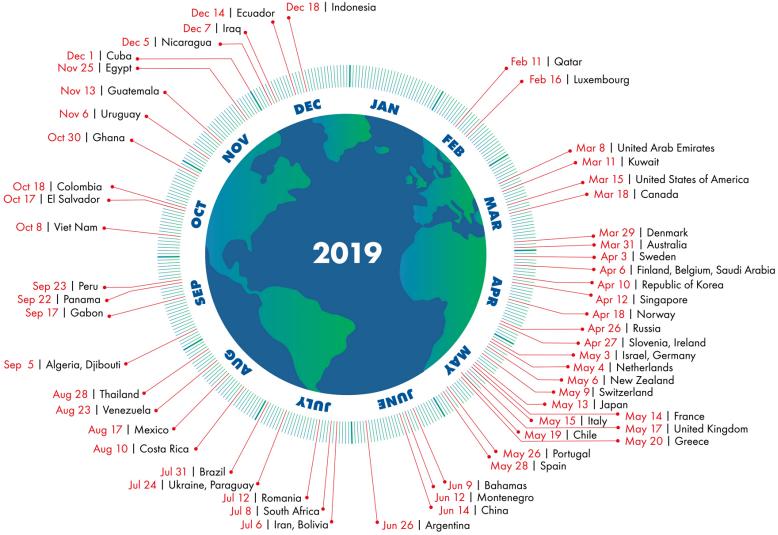
- (1) changes in land and sea use
- (2) direct exploitation of organisms
- (3) climate change
- (4) pollution
- (5) invasive alien species





Country Overshoot Days 2019

When would Earth Overshoot Day land if the world's population lived like...

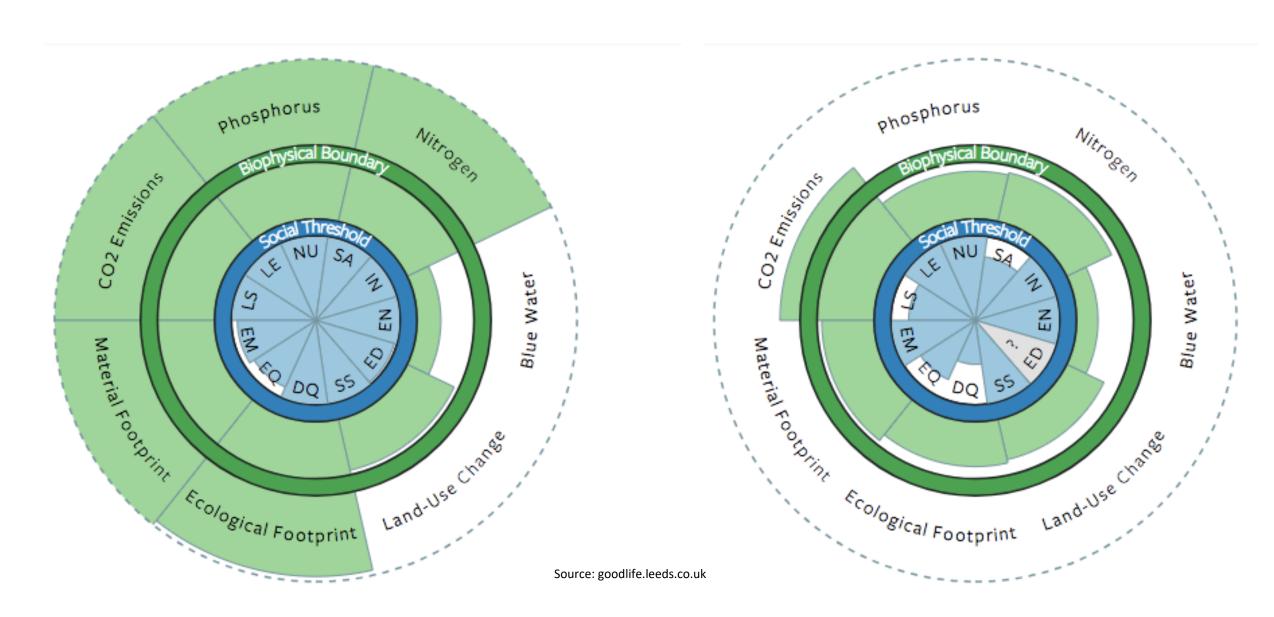






United Kingdom

Vietnam





Climate change already bringing disease, air pollution and heatwaves

QUARTZ O | POPULAR | LATEST | FEATURED

Heatwaves, pollution and disease are the main health issues linked to global warming but action to halt emissions would deliver huge benefits

Environmental racism has left black Americans three times more likely to die from pollution

Climate change: the poor will suffer most

UN report says that unless governments act now to reduce emissions, no one will be safe from effects of climate change

Climate change 'impacts women more than men'

By Mary Halton BBC News, science reporter

Climate change exacerbates gender inequality, putting women's health at risk

Climate change takes a higher toll on women than on men. Women's health and well-being, including their sexual and reproductive health and rights are all at stake.

APR 16, 2017

We're All In The Same Boat Together? **Reflections On Hurricanes, Undocumented Residents, And LGBTQ People**

Devastating climate change could lead

to 1m migrants a year entering EU by

Researchers plotted temperature rises against the number of asylum applications and are predicting that as the southern hemisphere heats up the number of people migrating to the EU

09/06/2017 09:24 am ET | Updated Sep 06, 2017

each year will triple

2100

POLITICS

Trump's EPA Concludes Environmental Racism Is Real

A new report from the Environmental Protection Agency finds that people of color are much more likely to live near polluters and breathe polluted air even as the agency seeks to roll back regulations on pollution.

VANN R. NEWKIRK II FEB 28, 2018

The Disabled Are Probably the Most **Vulnerable to Climate Change Effects**

Climate change already causing increases in stress, depression and negative mental health, study shows

Women and people on low incomes are more likely to report mental health problems due to weather



CLIMATE CHANGE IS A <u>Poverty</u> Problem.	CLIMATE CHANGE IS A <u>hunger</u> problem.	CLIMATE CHANGE IS A <u>Health</u> Problem.	CLIMATE CHANGE IS AN <u>Education</u> Problem.
CLIMATE CHANGE IS AN <u>Empowerment</u> Problem.	CLIMATE CHANGE IS A <u>water</u> problem.	CLIMATE CHANGE IS AN <u>Energy</u> Problem.	CLIMATE CHANGE IS AN <u>Economic</u> Problem.
CLIMATE CHANGE IS AN <u>Innovation</u> Problem.	CLIMATE CHANGE IS AN <u>Equality</u> Problem.	CLIMATE CHANGE IS A C <u>ommunity</u> Problem.	CLIMATE CHANGE IS A <u>resource</u> problem.
CLIMATE CHANGE IS A <u>commitment</u> problem.	CLIMATE CHANGE IS A <u>socialjustic</u> e problem.	CLIMATE CHANGE IS AN <u>Oceans</u> Problem.	CLIMATE CHANGE IS AN <u>EC©SYSTEM</u> Problem.



"By transformative change, we mean a fundamental, system-wide reorganization across technological, economic and social factors, including paradigms, goals and values."

- Sir Robert Watson, Chair, UN IPBES

minimising negative impact >> a creative community regenerating

history

heritage





Where do GHG emissions come from?

Greenhouse Gases

Carbon Dioxide (CO2): The biggest proportion of greenhouse gas in the atmosphere – burning of fossil fuels, deforestation, cement manufacture. Long-lived.

Methane (CH4): Production and transportation of coal, natural gas and oil (fossil fuels), livestock and meat industry and landfill

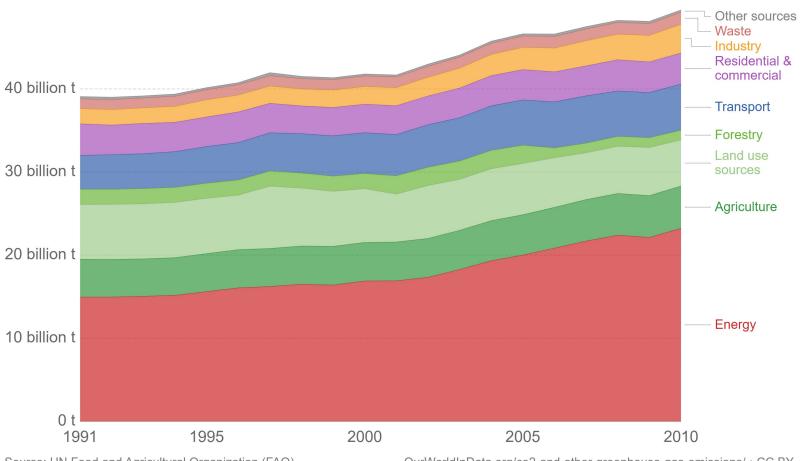
Nitrous Oxide (N2O): Up to 300 times more impactful than CO2. Agricultural and industrial activities, by-product of synthetic fertilisers, burning fossil fuels

F-gases: Global warming effect up to 23,000 times more impactful than CO2. Fridges, aerosols, solvents, aircon, cosmetic and pharma industries, magnesium and aluminium production

Greenhouse gas emissions by sector



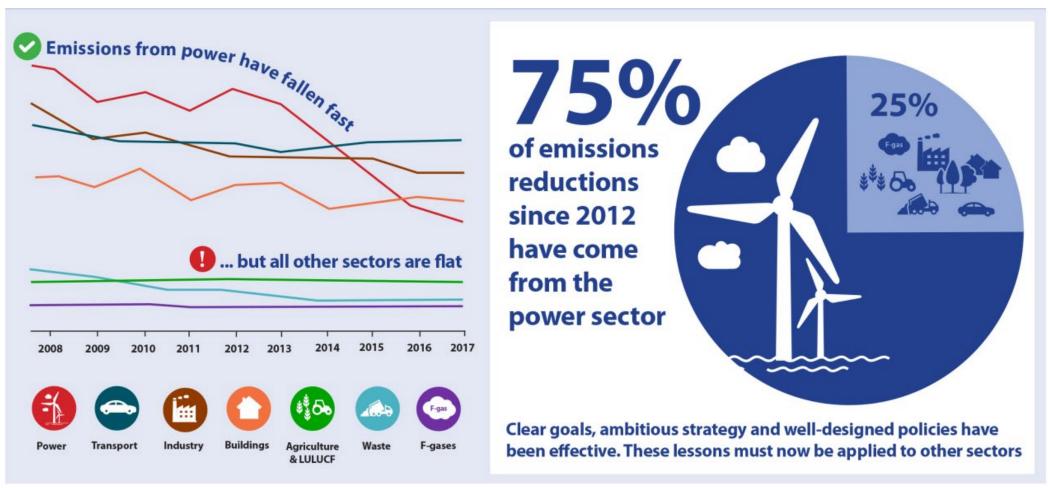
Breakdown of total greenhouse gas emissions by sector, measured in tonnes of carbon-dioxide equivalents (CO₂e). Carbon dioxide equivalents measures the total greenhouse gas potential of the full combination of gases, weighted by their relative warming impacts.



Source: UN Food and Agricultural Organization (FAO)

OurWorldInData.org/co2-and-other-greenhouse-gas-emissions/ • CC BY

Excellent progress in reducing emissions from electricity generation masks failure in other sectors



Source: Committee on Climate Change: UK progress (2018)

UK net zero by 2050 target: But is it enough?

"Tougher targets do not themselves reduce emissions. New plans must be drawn up to deliver them.

Over half of the emissions cuts to reach net-zero emissions require people to do things differently."

2020s 2030s 2040s Largely decarbonise electricity: renewables, Expand electricity system, decarbonise mid-merit/peak generation (e.g using **ELECTRICITY** flexibility, coal phase-out hydrogen), deploy bioenergy with CCS Start large-scale hydrogen production Widespread deployment in industry, use in back-up electricity generation, heavier **HYDROGEN** with CCS vehicles (e.g. HGVs, trains) and potentially heating on the coldest days Efficiency, heat networks, heat pumps Widespread electrification, expand heat networks, gas grids potentially BUILDINGS (new-build, off-gas, hybrids) switch to hydrogen **ROAD TRANSPORT** Ramp up EV market, decisions on HGVs Turn over fleets to zero-emission vehicles: cars & vans before HGVs **INDUSTRY** Initial CCS clusters, energy & resource efficiency Further CCS, widespread use of hydrogen, some electrification LAND USE Afforestation, peatland restoration **AGRICULTURE** Healthier diets, reduced food waste, tree growing and low-carbon farming practices AVIATION Operational measures, new plane efficiency, constrained demand growth, limited sustainable biofuels SHIPPING Operational measures, new ship fuel efficiency, use of ammonia Reduce waste, increase recycling Limit emissions from combustion of non-bio wastes (e.g Deploy measures to reduce WASTE rates, landfill ban for emissions from waste water) biodegradable waste F-GASES Move almost completely away from F-gases **GREENHOUSE** Deployment of BECCS in various forms, demonstrate direct air capture of CO₂, **Develop options & policy framework GAS REMOVALS** other removals depending on progress Industrial CCS clusters, decisions on gas grid Hydrogen supply for industry & potentially buildings, roll-out of infrastructure & HGV infrastructure, expand vehicle for hydrogen/electric HGVs, more CCS infrastructure, electricity INFRASTRUCTURE charging & electricity grids network expansion Health benefits due to improved air quality, healthier diets and more walking & cycling **CO-BENEFITS** Clean growth and industrial opportunities



Where are our main areas of direct impact? Which are most important? Which are highest?

Carbon footprint: measure of climate change impact of an activity. E.g. kWh electricity x CO2e / kWh electricity generated = carbon footprint of electricity use

What data or information is already available?

What isn't captured here?

GHG Emissions Electricity & Gas Goods/Services Transport (Water) Materials Sets; Materials; Offices Artists + crew Costumes; Props Staff Food + Drink Rehearsals Sets, artwork, etc Serveware Venues Production Printed materials / Show/Installation/ Equipment e.g. Marketing Performance Power lighting Demand Merchandise Audience Generators (Waste) Goods/Services Accommodation Office consumables



 What do you think the arts uniquely bring to the climate and ecological crisis?

What are the strengths of outdoor arts in particular?



ORGANISATIONAL LEADERSHIP

POLICY CHANGING

DESIGN & INNOVATION

Energy use

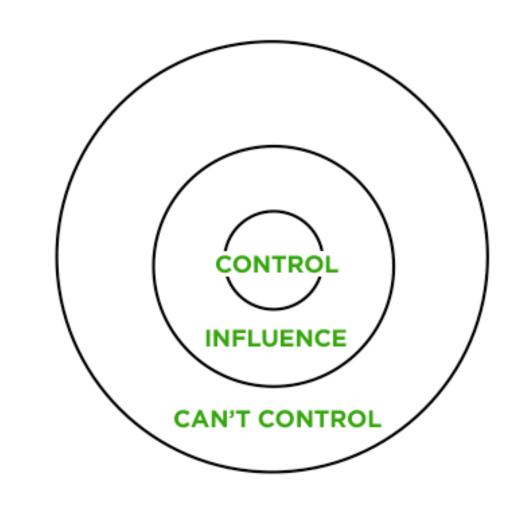
Food

Resources, materials (& waste)

Transport

Biodiversity & habitats

Finances / Divestment



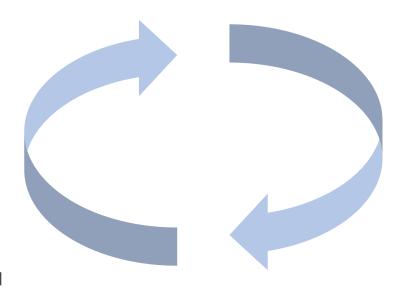


COMMIT:

- Develop a policy and action plan
- Embed sustainability in decisionmaking processes
- Green champion(s)
- Create a designated budget?
- Influence: engagement for artists, partners, audiences, suppliers
- What are your targets? What do you want to achieve and why?

UNDERSTAND:

- Measure and monitor impacts
- Surveys
- Where you can make a difference



COMMUNICATE:

- Talk about what you're doing
- Make it visible and felt

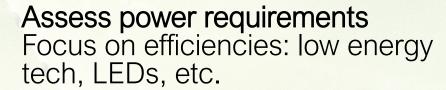
IMPROVE:

- Translate into action
- Achieve impact reduction
- Evaluate your performance against targets and plans



THE MAJORITY OF ENVIRONMENTAL IMPACT OF A PRODUCTION IS LOCKED IN AT DESIGN AND PLANNING STAGE



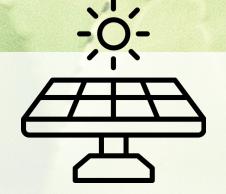


Communicate clearly on energy requirements with events.

Events: measure and monitor!!!

Champion and implement energy efficiency

Switch from diesel to mains grid and prioritise renewable sources



THE POWER MANAGEMENT HEIRARCHY



Last resort

Prevention - Do you actually need power in this location or for this application?

Efficiency - Use less power & use it in a more fuel efficient way

Sourcing - Can you use mains instead of generators? Can you use renewables?

Hybrids- Can the system be backed up or bolstered by battery technology?

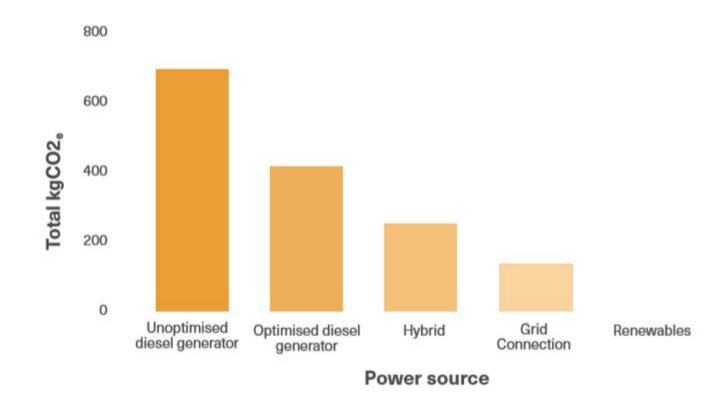
Alternative fuels - Can you use HVO or other sustainable fuels?

Diesel-fueled generators - only where nothing else can be used

PREDICTED EMISSIONS SAVINGS USING THE POWER MANGEMENT HEIRARCHY



CREATIVE • CLIMATE • ACTION



Material Use and Waste

Consider at the start what will happen at the end.

MINIMISATION AND PREVENTION

- Use less materials in design and manufacture.
- Keep products for longer and re-use.
- Re-use or re-purpose materials instead of sourcing new.
- Use less hazardous materials / materials with lower environmental impacts.

(PREPARING FOR) REUSE

- Check, clean, repair, refurbish whole items or spare parts.
- Design for disassembly and re-use.

RECYCLING

- Includes composting.
- Not everything that is labelled as 'recyclable' can automatically be recycled at the majority of facilities or if it is in waste streams that are too contaminated - for example if something consists of two or more materials glued together.

OTHER RECOVERY

 Including anaerobic digestion for organic materials, and incineration with energy recovery / 'Energy from Waste' i.e. where materials are burned and the energy generated is captured.w

'DISPOSAL'

Landfill and incineration without energy recovery.

Material Use and Waste

- Use less
- Use low-impact materials that are reused or repurposed, or contain reused or recycled content, or are certified from lower impact sources (in that order) e.g. FSC-certified
- Focus on most commonly used e.g. timber, steel, paper. Ask your suppliers questions!
- Introduce minimum sourcing standards (if you're commissioning, introduce them for commissioned artists). Also consider social standards and healthy materials
- Reduce, reuse, repurpose, recycle
- Have a plan for what happens after workshops or commissions. For larger commissions, encourage build for disassembly – screws, not glue!
- Use existing sharing networks e.g. set swap cycle, scrap stores, Freecycle, etc.

Reduce

Reduce and avoid using finite and/or un-recyclable resources.

Reuse

Seek out and store items and/or materials that can be reused.

Repurpose

Recognise the potential in existing items to be remade anew.

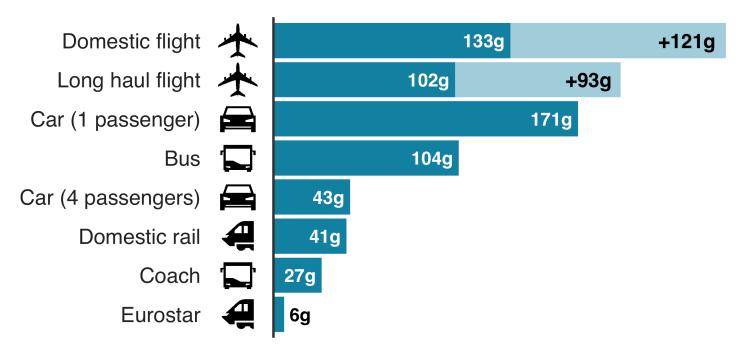
Recycle

Ensure that as much as possible is recycled, to divert useful items from landfill.

Emissions from different modes of transport

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



Travel & Transport

- Measure, monitor, and report!
- EVERYONE: work with audiences to incentivise better travel choices
- At design stage, understand the environmental implications of the decisions made. Are you making a show to take on a train, something that fits in a car, or something that is going to need more significant freight?
- Routing! How do we get better at this and challenge exclusion zones?
- If you're driving, choose the right size vehicle and do some fuel efficient driving training
- If you're hiring, ask your trucking company about:
 - Whether their drivers receive eco-driving training, speed limits, etc.
 - The efficiency of their engines
 - Their investment plans into fuel efficiency
 - Get fuel use figures AND mileage
- Who carries additional costs of e.g. train travel? Where and when are costs compared (e.g. lowest cost flights to highest cost rail fare). How do we structure this in contracts? Why are some promoters nervous about train travel? What about exclusion zones?



Travel & Transport



Where are we headed?

- From 2035, will only be able to buy electric or hydrogen cars or vans.
- Committee on Climate Change thinks (for cars) we will reach cost parity for electric as soon as 2025.
- HGV transport not likely to decarbonise until 2030s 2040s
- BUT we will also need to reduce the number of miles driven on UK's roads overall. Do we tour less - and/or do we focus on reducing audience miles?
- What do we do about the miles we can't reduce?

Food & Drink



- Ensure your audiences have a choice of more environmentally friendly food options e.g. vegetarian / vegan options, or go fully meat- and fish-free
- Use catering providers which demonstrate sustainable practices e.g. using seasonal, organic, certified e.g. Soil Association, Fairtrade, RSPO. For events: put in place minimum standards.
- Limit the use of single use plastics and other packaging. Use reusables on the road. If you do need to use single-use items, match procurement to waste streams.
- Eliminate food waste

Biodiversity and wellbeing



- Bring plants into offices and buildings to support air filtration and physical and mental well-being
- Explore options for creating spaces for wildlife (and people) planters, gardens, bat or swift boxes where appropriate, supporting people to create green spaces in their gardens and neighbourhoods and activities that take them into green space.
- If you're making site-specific work in natural environments, put in place policies to minimise the impact on local plants and wildlife.

Office

- Switch to a 100% renewable electricity provider for your office space. Encourage staff to switch, too.
- Incentivise commuting by public transport, cycling, or walking where possible.
- Look at finance and pension providers.



What does 'carbon neutral' mean?

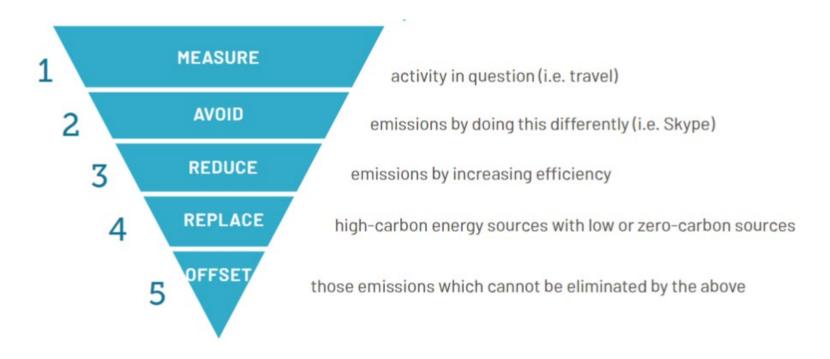
Carbon neutral, climate neutral, net zero, zero emissions and decarbonisation: often used interchangeably.

The total of greenhouse gas emissions (CO2e) produced is offset... by natural carbon sinks? 'carbon credits'? carbon capture and removal?

There are defined business frameworks on defining carbon neutral that we can use, but they are not enough on their own.

CARBON OFFSETTING?

Carbon offsetting is an approach to compensate for emitting greenhouse gas emissions in one area of your organisation's activity by investing in climate positive projects in another, 'balancing' your carbon footprint.





WHAT KIND OF CARBON OFFSET?

For official 'carbon neutral' label or certification, purchased offsets have to meet certain specific standards.

Credible standards include the Voluntary Carbon Standard or the Gold Standard for the Global Goals

Projects should:

- Create local community and economic benefits
- Generate emission reductions in addition to usual business practice
- Be measurable, reportable, and verifiable (and verified) by a third party
- Permanent (e.g. if the project is reforestation, there needs to be a mechanism in place to make sure the forest won't be cut down a year after the investment)
- Avoid double-counting

TYPES OF PROJECT:

- Renewable energy
- Efficient Lighting
- Forestry
- Cooking stoves
- Water purification



OTHER APPROACHES TO PUTTING A BUDGET LINE IN FOR CARBON EMISSIONS / ENVIRONMENTAL DAMAGE:

Assign an internal value to every T CO2e:

- Investment into environmental projects (with returns)
 e.g. renewable energy, community energy share offers, etc.
- Donation to an environmental project or charity
 e.g. chosen by staff, close to home or active in countries where your tours and projects are located, or chosen by an area you want to make an impact in
- Creation of internal budget for environmental projects and reductions e.g. cover higher cost of train fares, additional travel days



Julie's Bicycle CREATIVE · CLIMATE · ACTION

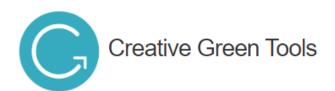


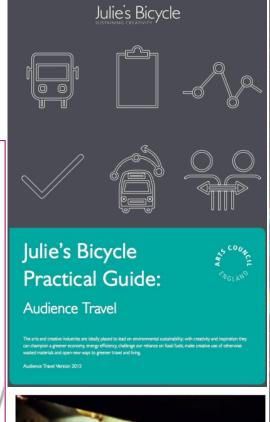
sustainable production guide

How to limit environmental impacts at every stage in the production process.

This guide is for artistic directors, producers, directors, production managers, lighting designers and technicians, set designers and builders, costume designers, and performing arts practitioners across the industry seeking to understand and reduce their environmental impacts.









Webinar: Speaking Green: How To Share Your Environmental Story

This webinar shares ways of communicating your environmental initiatives: explaining why you're 'going green', creatively speaking about your environmental impacts, and celebrating your achievements.



Environmental Sustainability Toolkit: Making Outdoor Arts Sustainable

ORGANISATIONAL LEADERSHIP

POLICY CHANGING

DESIGN & INNOVATION

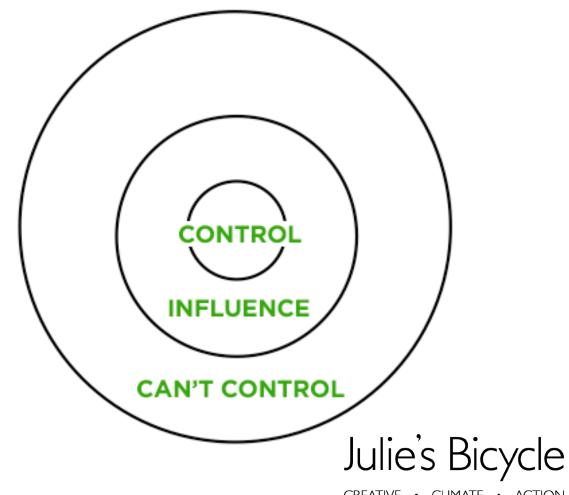
What is most important?

What is most impactful?

What do you have most influence about?

How do you work past "it depends" and find the best answer?

Ask follow-up questions to identify greenwashing. E.g. 'environmentally friendly' – how so? 'Biodegradable' – under what conditions? 'Recyclable' – commonly recycled? 'Better for the environment' – better than what?



Programming + commissioning

Celebrate Beauty of Nature / Meditate on Loss



Science and data-driven

- "objective"?

Political Dimensions of Climate Change

Climate Crisis
Post-apocalyptic Visions



QUICK BREAK



New Carnival Company

- Isle of Wight Mardi Gras co-funded by the local AONB and themed around understanding and appreciation of the biosphere.
- 2019 theme for Mardi Gras parade was 'Biosphere Island'.
- All 28 participating schools required to partner with a local environmental organisation to learn about and then creatively present work, actively supporting the island's application to be recognised as only the third English designated UNESCO Biosphere Reserve. This designation was approved in June 2019.
- 'All along the Riverbank', a collaboration with local environmental and heritage organisations, animated a two mile stretch of the Easter Yar River with temporary installations, from water voles to emperor dragonflies and giant red squirrels, created by school and community groups



'Towards a Greener Carnival' conference in Bristol in March 2020 and commission to trial work with three national carnival projects including Hasting, Milton Keynes and the Isle of Wight.



CASE STUDY: Metta Theatre



That's about **0.5**Kg per audience member, the equivalent of **2** cups of cappucinos or **3** plastic carrier bags!



Most of the emissions came from the tour - 40% from the cast & crew's travel and 39% from the lorry carrying the set, costumes and lighting equipment.





We worked with **Event Transport** to reduce lorry journeys, and used for personal travel trains whenever we could.

The set and props are designed to **reused** or **recycled**, we're aiming for nothing to go to landfill after the show finishes.

Our 2016 production of **Jungle Book** was directly responsible for **10.6 tonnes** of Carbon Dioxide emissions across the whole of the 9 venue, 61 performance tour.





Most of these emissions were from the tour's transport - 33% came from the lorry carrying the set, costumes and lighting equipment and 60% from the cast and crew's train travel.



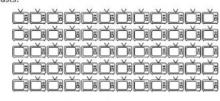




The show itself accounted for only 7% of the total emissions (that's the construction of the set and the electricity used by the sound and lighting equipment during performances).

Each performance of Jungle Book used 24 kWh of electricity about the same as running 60 TVs for the two hours the





Julie's Bicycle

CREATIVE . CLIMATE . ACTION

We recycle almost all of our office waste, sending almost nothing to landfill.





And for some of the things we can't recycle, we have our own compost bin outside the door.



The compost goes straight onto our own little vegpatch – so if you visit us here in the office you may very well be fed a delicious veggie meal straight from the garden!

We also have a couple of traditional variety apple trees, but they haven't given us any fruit yet...



Our electricity is 100% renewable, supplied by Good Energy. We think we're in pretty good company alongside the National Trust and the Eden Project as customers.

We bank with the Co-operative Bank, the only high-street bank with a serious ethical policy.





Our website is hosted by LCN.com, who's modern data centres are 40% more energy efficient than can be seen that the second for the second for

LEEDS MUSEUMS AND GALLERIES

Beavers to Weavers Exhibition: showcasing how animals use what they find around them



- Recycled paint; recycled and recyclable alternatives to foam board;
- Old bobbins and cotton reels as plinths; printing some labels with Leeds Industrial Museum's Albion printing press;
- Homemade paper from waste materials as a community activity, and using this for labels;
 - Materials sourced from Scrap, a creative-reuse supplier for learning activities;
 - Cushions from recycled coffee sacks and foam offcuts.



The Living Stage (Tanja Beer)









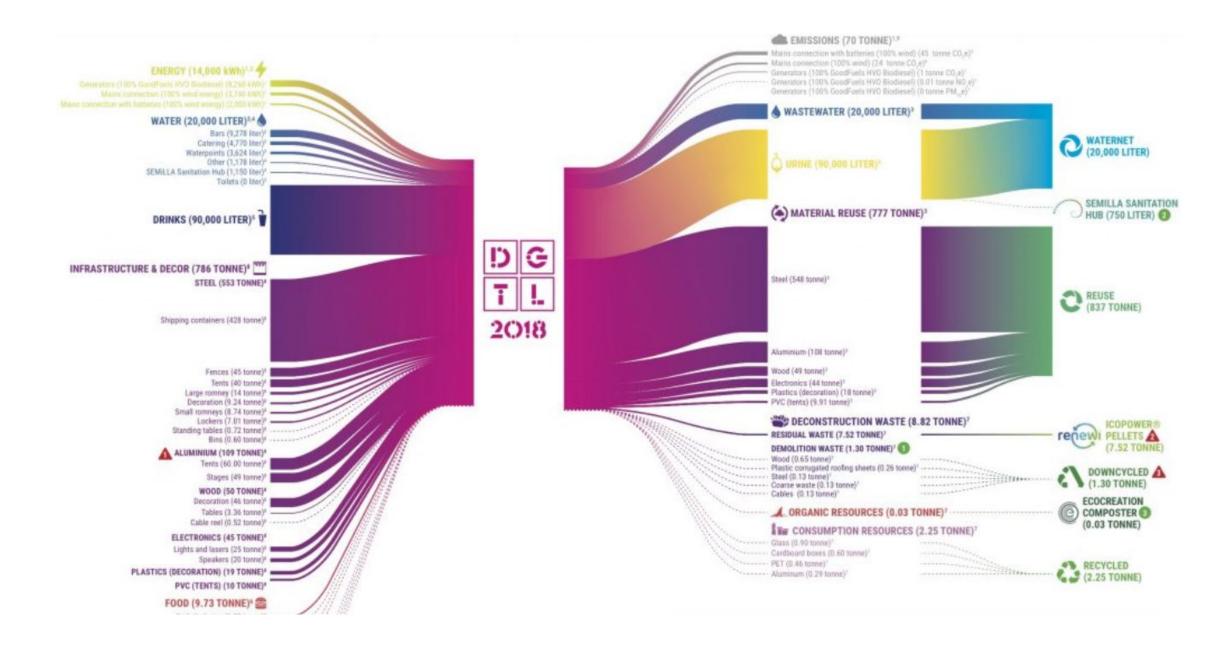
We Love Green Festival, France

400kg of plastic recycled to create the festival's signature set design

The festival opened up its scenography workshop to a group of selected artists. During the two-week residency, the winning artists received funding for their projects, recycled materials and a creative workshop alongside a team of specialists, to bring the festival's eco-designed scenography to life. During last year's festival, the workshop resulted in six artistic pavilions created using reclaimed materials, as well as the festival's signature artwork made using 400kg of recycled plastic.

Material exchange hub

We set up an online recycling platform with CO-RECYCLAGE for sharing and sourcing materials for the festival and its set design, and putting them back into the circular economy once the festival is over. In 2019, we reclaimed: 2 palettes of compostable cutlery and plates, small household items (jugs, brushes, scrapers, bins), packaging (12 tubes of foam, bubble wrap, isolation, non-woven fabrics), screens, wooden partitions and set design material (1 disco ball, 1 record player, 20 solar-powered spot lights). Do you organise events or run a venue? Do you need to get rid of your old set design materials and decorations, signs or raw materials? Why not donate your wood, fabrics, materials, office furniture, paint and material off-cuts HERE, to help us build the festival's set design.







- Innovative composting
- Closed loop food system
- Audience visits and workshops at urban farms

Set design + production

- Ace & Tate partnership to use faulty lenses to create artwork
- Pallet timber artwork reclaimed and returned

Resource street

- Reusable cups and deposit scheme
- On-site recycling hub
- Innovative recycling –
 urine to drinking water
 and fertilizer, bottle
 caps to oil

https://dgtl.nl/sustainability



IN 2018, THE AVERAGE FESTIVAL GOER PRODUCED 7X MORE WASTE THAN A DGTL VISITOR. COMPARED TO 2017, DGTL VISITORS CUT THEIR WASTE IN HALF THIS YEAR.











- Own branded re-usable cups has saved on average 250,000 single-use plastic cups in just six months. This success has meant NT have achieved 75% of their commercial waste recycling target two years ahead of schedule.
- Sustainable touring partnerships and green riders
- Detailed assessment of production workshop material use and sourcing

Manchester Day

- Parade structures and costumes made from reused and recycled materials, e.g. flowers made from cassette tapes, carrier bag flags; large puppets hired in.
- Many items stored and adapted for re-use each year, e.g. wheel bases for moving structures within the Parade
- 98% of previous parade floats/structures have been pushed, walked, wheeled or cycled
- Recycling of water bottle waste from participants at start and finish point of Parade and in the squares



What is something you've done in the past year that worked very well that you'd like to share with the room?



GREEN RIDERS:

- Day-to-day actions vs. asking for systemic change
- Energy, waste, transport, food, communications

What is useful to know?

Events --- Productions

Who receives them?



DISCUSSION

What do we as a community want to see happen in the next year? In the next 5 years?

How can we work together best as a community?



Turn to the person next to you.

What are two things you will do after leaving here today – one short term, one longer term??