

Net Zero Explained

August 2023

Setting the scene

Our planet is warming up due to increases in greenhouse gasses which are causing climate change.

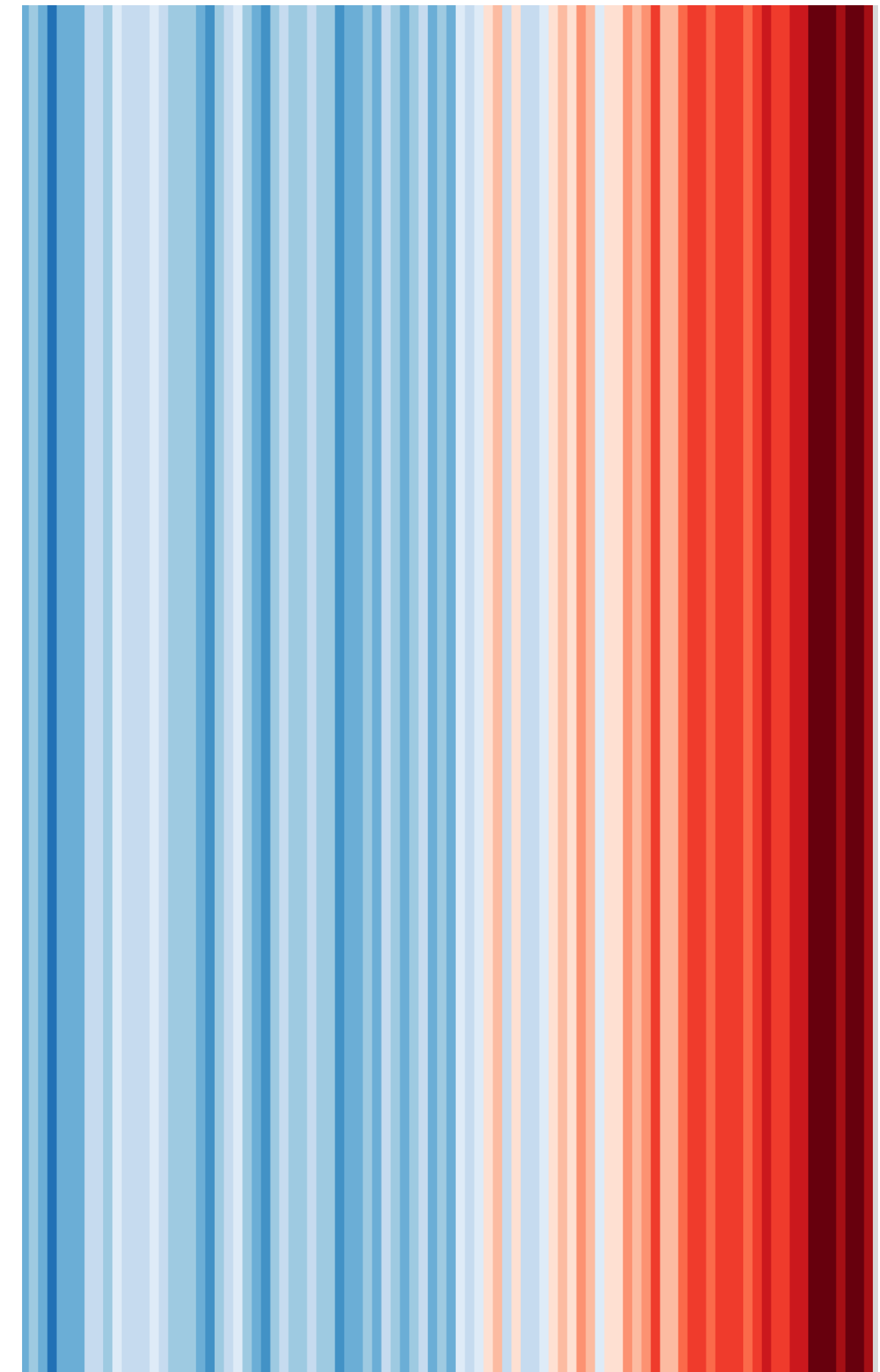
Scientists agree that limiting warming to 1.5° would reduce the worst aspects of climate change. However, the best case scenario at 1.5 degrees is still pretty grim with heat waves, rising oceans and destruction of 70-90% of coral reefs.

By limiting the planet's warming to 1.5° Celsius by 2100, the hope is to stave off severe climate disruptions that will exacerbate hunger, conflict and drought world-wide.

Rises greater than 1.5° could be catastrophic.

"The alarm bells are deafening, and the evidence is irrefutable: greenhouse gas emissions from fossil fuel burning and deforestation are choking our planet and putting billions of people at immediate risk."

Antonio Guterres, Secretary-General of the UN



Climate Stripes, Ed Hawkins, University of Reading

The Race to Zero

Race to Zero is a United Nations-led campaign working with businesses, cities, regions, investors, and financial and educational institutions to commit to achieve net zero carbon emissions by 2050.

Organisations must pledge to hit net zero and set a target for 50% emissions reduction by 2030.

Within a year of signing up, the pledge must be supported with a plan on how to hit those targets with follow through, action and published annual results on progress.

JPA Workspaces joined the Race to Zero on April 27th 2022.

Our carbon reduction plan covers all 3 scopes, with an interim 50% reduction by 2023 in line with Science-based-targets.

Our target net zero date is 2040 i.e. elimination of at least 90% of our total emissions, with any residual offset through carbon removal gold standard schemes.

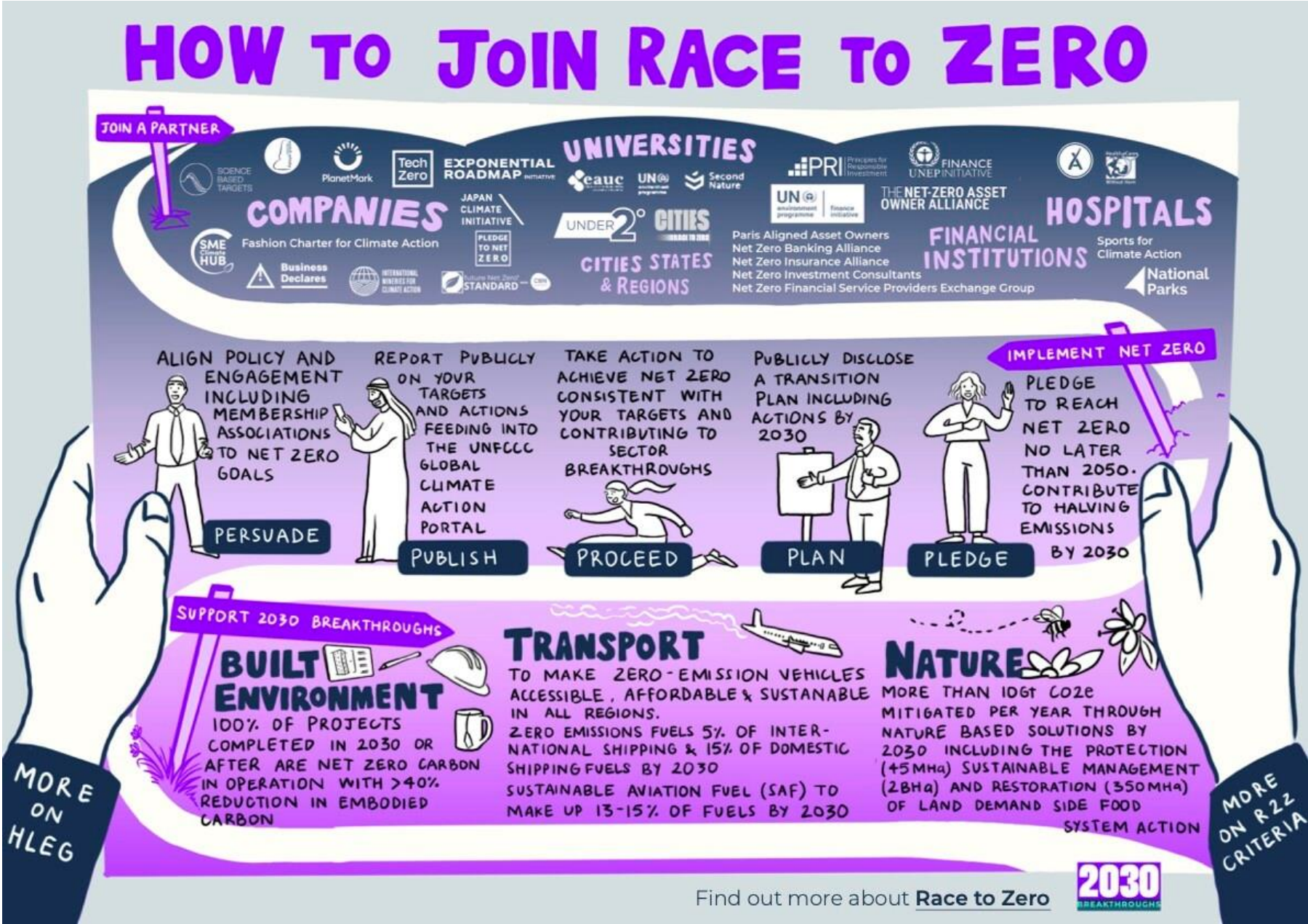


Image: From Race to Zero’s ‘5th ‘P: (Persuade) Handbook.’

Greenhouse gasses (GHG) are causing Climate Change

...what are they?

Quite simply...

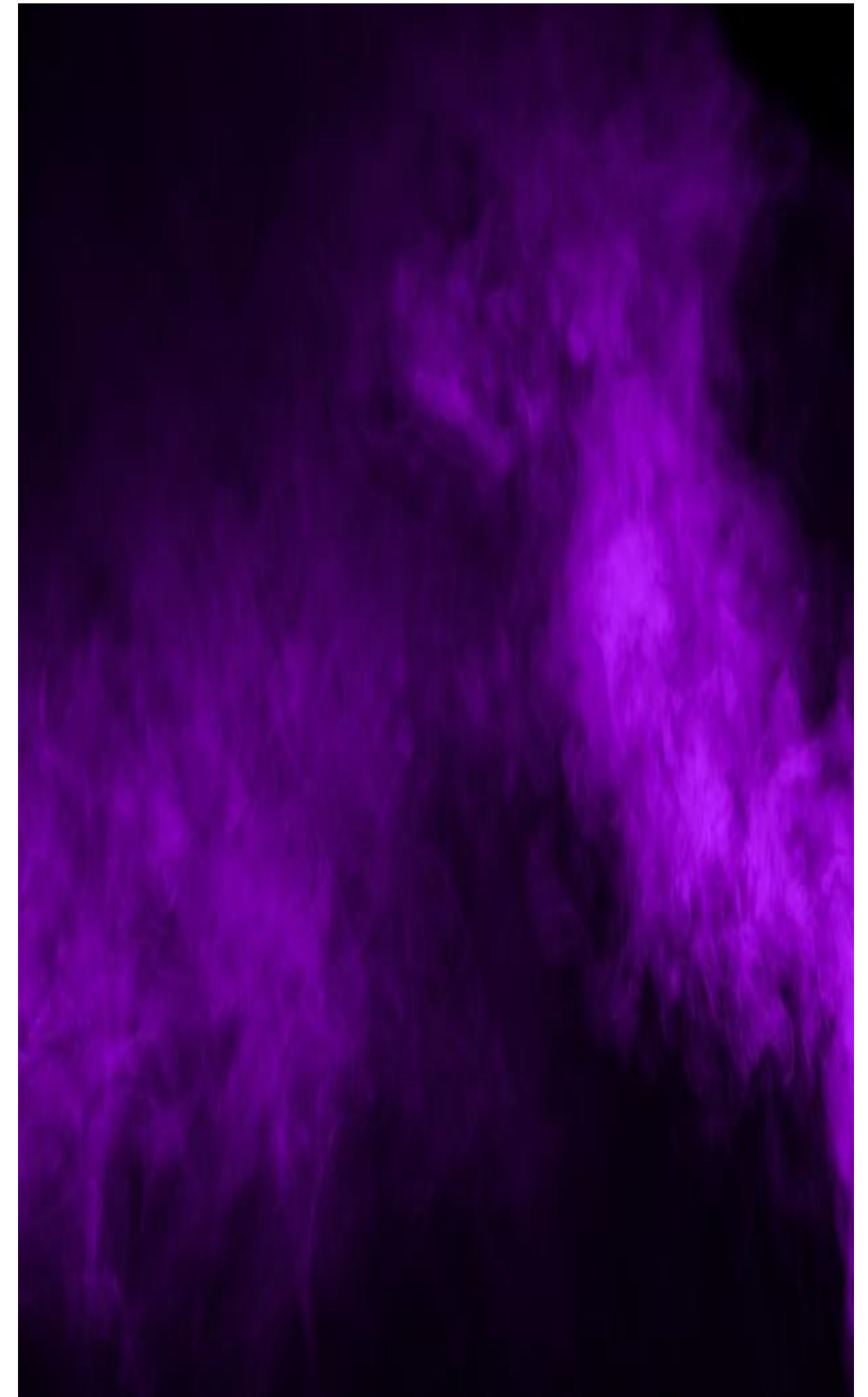
A greenhouse gas (GHG) is any gas in the atmosphere which absorbs heat, and thereby keeps the planet's atmosphere warmer than it otherwise would be.

GHGs occur naturally in the Earth's atmosphere, but human activities, such as the burning of fossil fuels increase the levels of GHGs, causing global warming and climate change.

Wealthier nations are responsible for most greenhouse gas emissions since the Industrial Revolution.

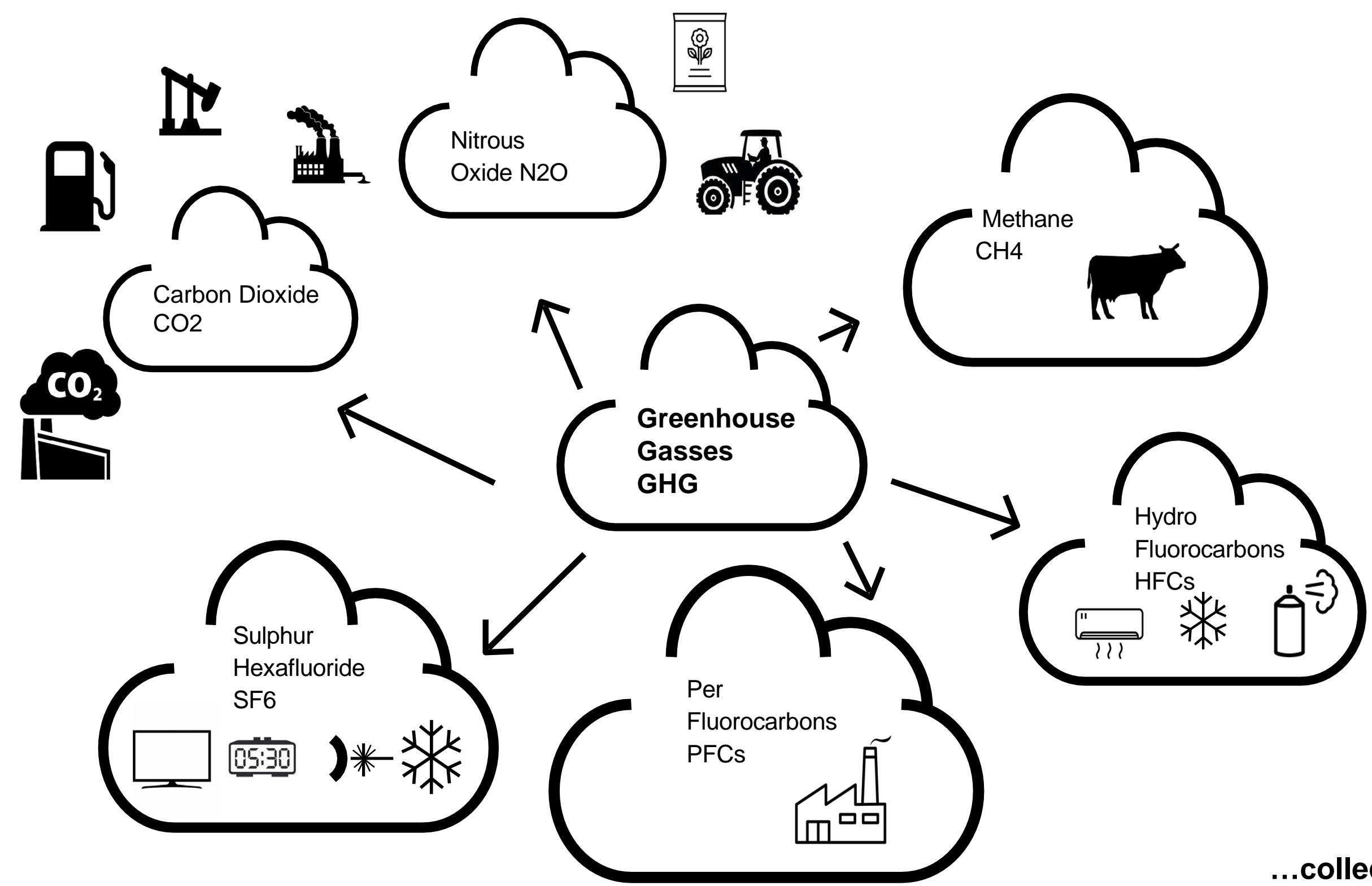
Carbon dioxide (CO₂) is the most common GHG emitted by human activities, in terms of the quantity released and the total impact on global warming.

CO₂e is not the only greenhouse gas there are more that we should be aware of.



What if we could see greenhouse gasses in everyday life?

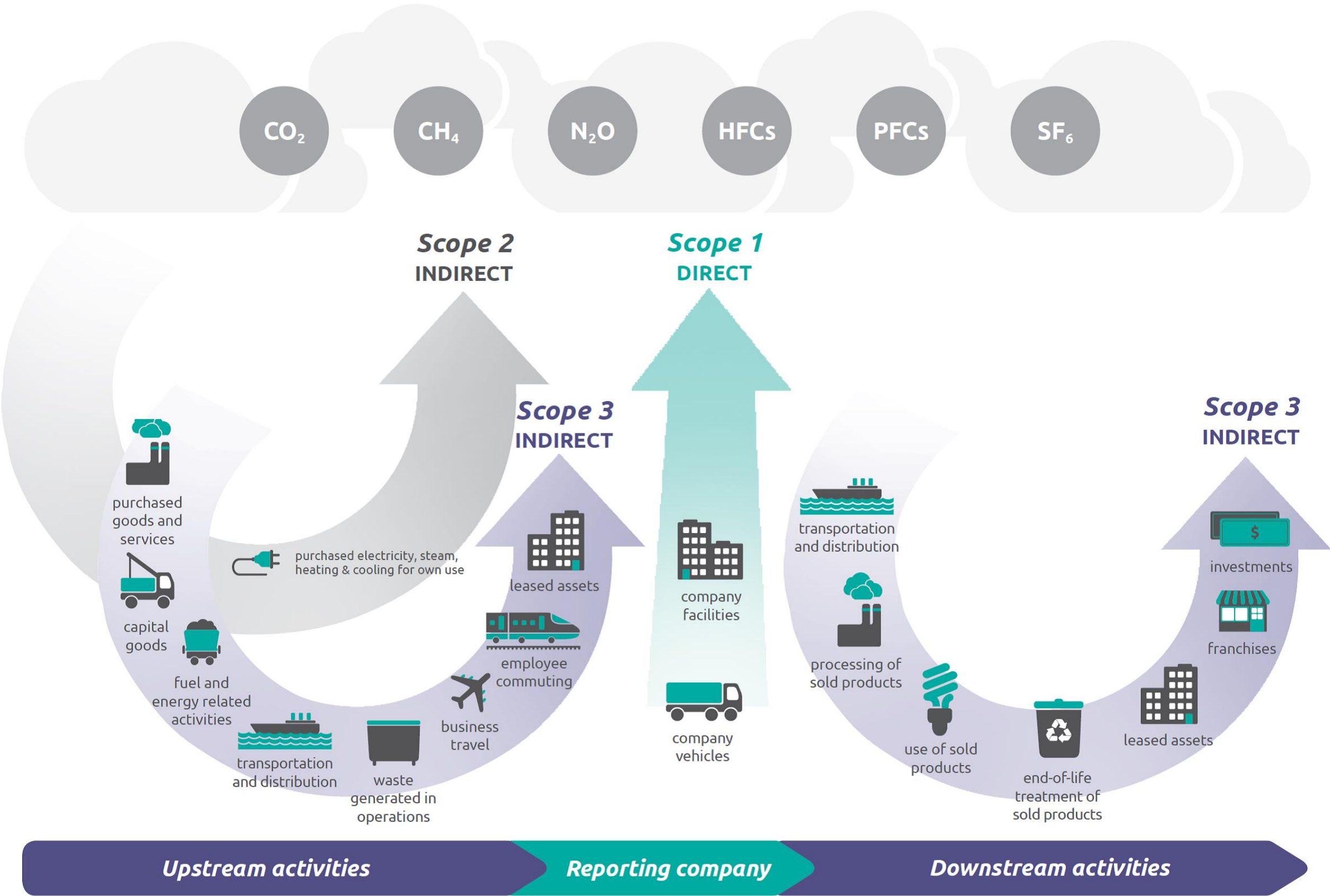
Greenhouse gas sources



...collectively known as CO₂e

The 3 emission scopes:

To reduce our emissions, we need to become familiar with where they are so we can start establishing rough baselines for reduction.



Scope 1
Fuel from
company owned
vehicles, boilers,
gas and heating.

Scope 2
Purchased
electricity.

Scope 3
The scope 1 and
2 emissions from
the complete
supply chain.

The challenge for business

At the start of 2021 there were over 5.5 million SME's (Small and mid-size enterprises) in the UK with 0-49 employees.

SMEs account for three fifths of the employment and around half of the turnover in the UK private sector.

Just imagine the difference we can make collectively, if all SME's begin to measure their carbon footprint and introduce reduction targets.

There would be a massive acceleration in reducing the UKs carbon footprint – right now.

The UK are committed to NetZero 2050 in law so we're helping this along with a raft of marginal gains from our collective reductions.



Let' talk money...

Everything we buy, make, use or eat has a carbon cost. Every time it's remade, more carbon is used, more resources used and more nature destroyed.

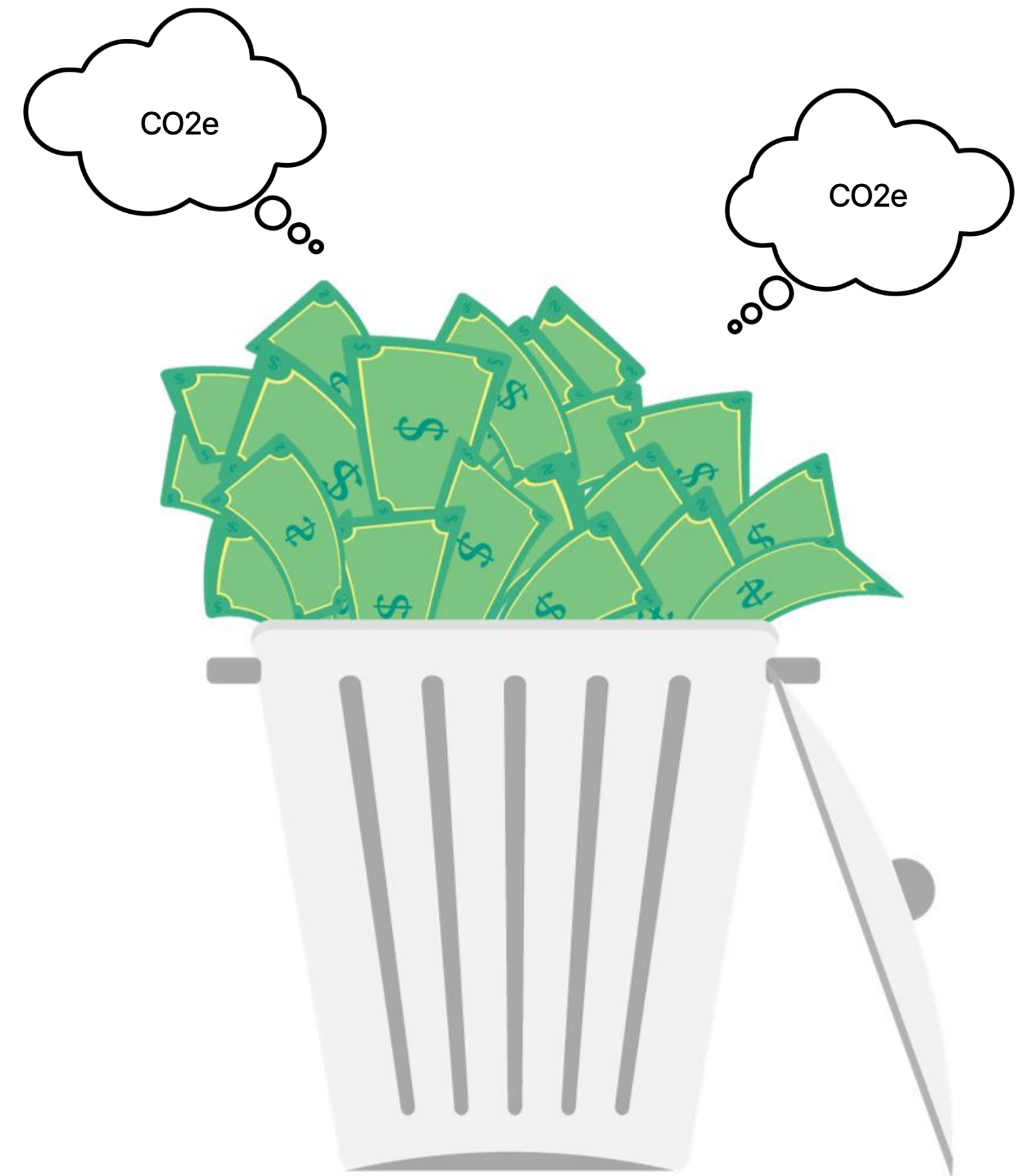
The simplest and easiest way to reduce carbon emissions is to reduce waste – and that's FREE!

Wasting less effort, time, energy, food, paperclips, furniture, clothing – in fact anything, will help save carbon.

The less we waste as businesses, the more efficient we become and this helps the bottom line i.e. increased profitability **from** and **for** good things.

Waste reduction is an easy first step we can all take towards carbon reduction. Using what we already have for twice as long will reduce lifecycle carbon by half.

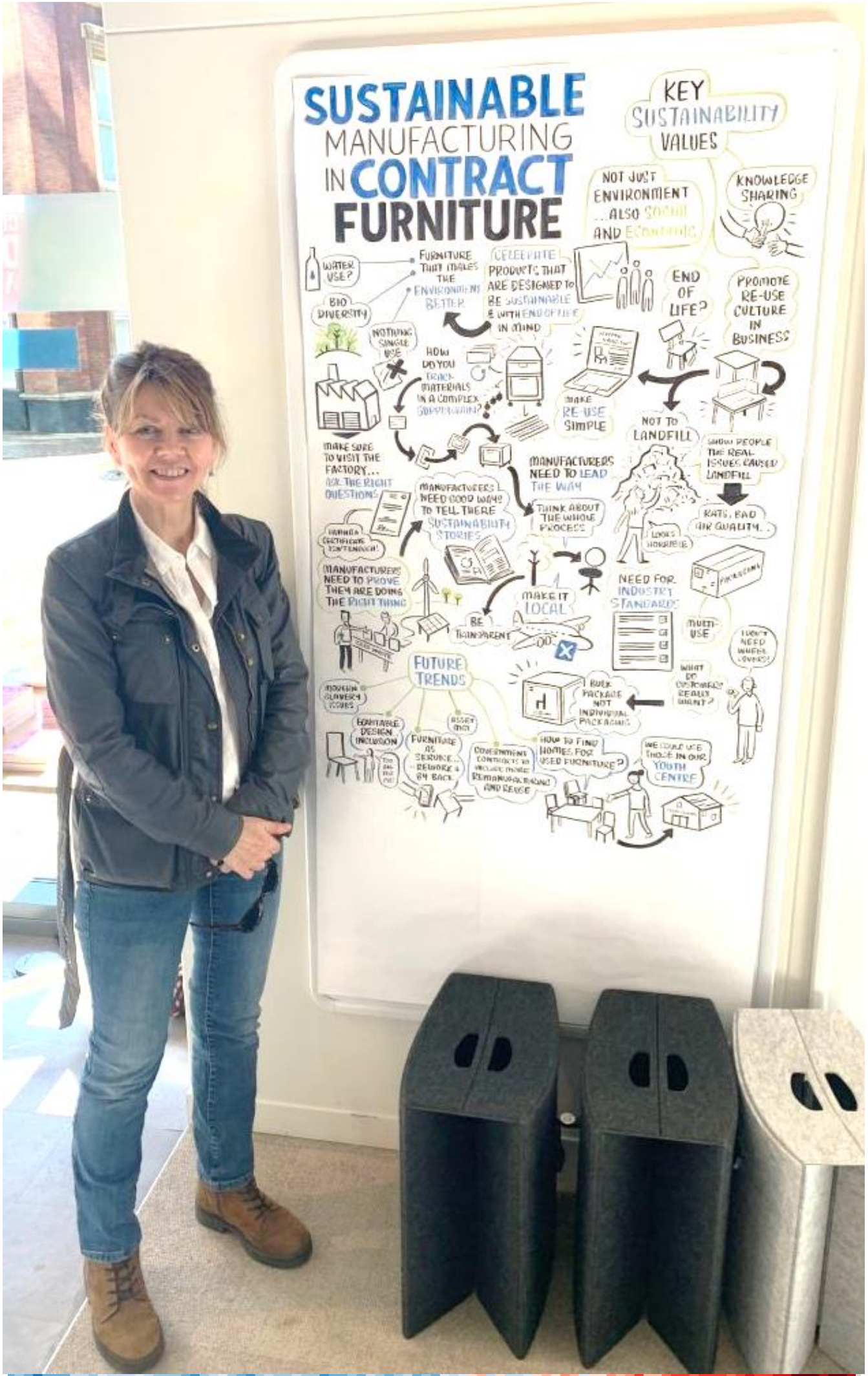
Waste = carbon.



Waste = money in the bin and higher carbon costs

So what are JPA doing?

We are looking at the carbon associated with our products, services and operation, measuring and reducing in incremental chunks



Fiona Edwards, Head of Sustainability, JPA Workspaces

2023

Achievements...to date

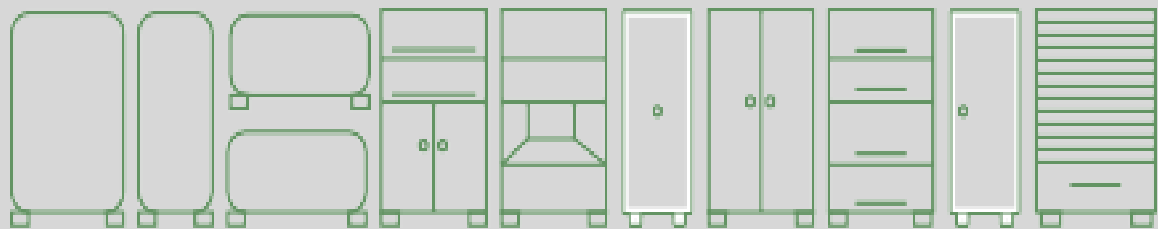
- JPA's Leadership Team and Board are committed to NetZero
- JPA joined the Race to Zero on April 27th 2022
- Our carbon reduction plan is published on our website
- 31% scope 1 & 2 emission reduction against baseline year
- Scope 1 & 2 emissions were offset in 2022 for carbon neutral deliveries and installations
- We are on target for a 65% scope 1 and 2 reduction by 2027. Scope 3 reduction plans have begun
- The company is committed to local operation and supply chain development
- JPA transferred to renewables in 2023
- We have maintained zero-to-landfill for all waste streams



Reducing furniture waste...to date

30,931

to date, we have recycled 30,931 pieces of clients' redundant furniture away from landfill...



This has saved:

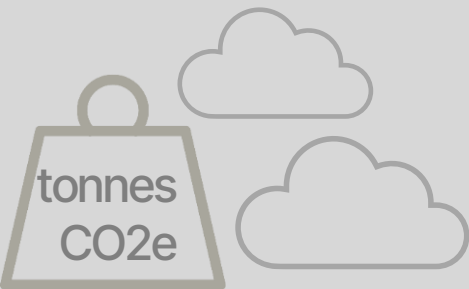
708

tonnes of landfill and, associated nasties

and

952

tonnes of CO2e reducing our carbon impact



4531

we have also re-homed another 4531 unwanted furniture items in our operational community, avoiding yet more waste and manufacture



£548,000

the value of items donated to local organisations.

Re-use saves valuable funds and prevents further natural resource depletion.



Recycling numbers:

13,337

chairs



5,329

desks



3,559

storage units



8.706

misc items



£1.38 million

pounds saved for JPA clients by furniture re-use, reconfiguration, repairs and reworking

100%

of furniture supplied by JPA is recyclable through our DODO collection scheme

0%

we are Zero-to Landfill for all waste streams

Our Accreditations



Good Business Charter

The Good Business Charter is a simple accreditation which organisations of all sizes in the UK can sign up to in recognition of responsible business practices. Accredited organisations include FTSE100 companies, partnerships, local authorities, universities, SMEs, charities and sole traders.

It measures behaviour over 10 components: real living wage, fairer hours and contracts, employee well-being, employee representation, diversity and inclusion, environmental responsibility, paying fair tax, commitment to customers, ethical sourcing, and prompt payment.



Real Living Wage Employer

To demonstrate commitment as a responsible employer, Living Wage accreditation is the best place to start. By paying the real Living Wage, employers are voluntarily taking a stand to ensure their employees earn a wage which is enough to live on.

That basic fairness is at the heart of what the Living Wage campaign is trying to achieve. Great businesses and organisations choose to go further than the government minimum.

JPA have been certified since 2022.



FISP

FISP is an independently certified furniture industry sustainability programme tailored to the needs of the Furniture Industry supply chain. FISP promotes best practise to drive social, economic and environmental change, via continual improvement of member's business operations.

JPA also sit on the FISP steering panel helping to shape industry responses to Tripe Bottom Line challenges.

JPA have been certified to since 2008.



ISO9001: FM 28443

ISO 9001 is the world's most recognised quality management system standard, established by the International Organisation for Standardization (ISO). ISO 9001 helps organisations implement clear, repeatable processes to maintain a quality service for their customers every time.

JPA have been certified since 1994.



ISO14001: EMS 547673

ISO 14001 sets out the criteria for an environmental management system and can be certified to.

It maps out a framework that a company or organization can follow to set up an effective environmental management system and now embraces our Net Zero challenge and 2040 pledge.

JPA have been certified since 2010.



FIRA

The Furniture Industry Research Association supports the entire furniture supply chain, across all sectors. Hundreds of members already benefit from access to unrivalled knowledge helping to keep them informed and providing guidance on compliance.

As members, we are supporting research and highlighting our company's commitment to raising standards across the furniture industry.

JPA have been members since 2015.

Our Awards



Kings Award for Enterprise

The King's Awards for Enterprise (previously known as the Queen's Award for Enterprise) are the most prestigious awards for UK business.

They recognise and encourage outstanding achievements in the fields of: International Trade, Innovation, Sustainable Development and Promoting Opportunity.

JPA are delighted to be recognised for Sustainable Development in 2023.



Inspiring Herts Awards

The Inspiring Hertfordshire Awards were launched in 2012 to focus on and celebrate the expertise, achievements and outstanding contribution that businesses and individuals continually make to the growth of our County.

JPA won the Green Award and overall Business of the Year in 2021, and The Green Award and Business of the Year South in 2022.

In 2023 JPA became award sponsors.



Business Green Leader Award

The BusinessGreen Leaders Awards launched in 2010 and celebrate the very best of the green business community, bringing together politicians, business leaders, sustainability executives, investors, and campaigners to showcase the many innovative projects that are driving the transition towards a more sustainable economy.

JPA won BusinessGreen Leader SME of the Year award in 2022.



Global Good Award

Founded in 2015 by Karen Sutton, the GLOBAL GOOD AWARDS reward businesses, NGOs, charities and social enterprises of all shapes and sizes around the world, that are blazing the trail for purpose-driven sustainability and ethical leadership.

They recognise leaders who are achieving practical, real-world impact that is both scalable and replicable – and who have inspiring stories to tell.

JPA won SME of the Year in 2022.



Biz4Biz Awards

The biz4Biz Awards is recognised as the best business awards programme in Hertfordshire as it brings together the highest number of nominees from across the county and provides physical judging. Winning a biz4Biz Award is coveted and award winners continue to expand their businesses and extend their economic contribution to the greater success of Hertfordshire.

JPA won the Judges Award in 2022.



Construction Excellence

Each year the Constructing Excellence Awards are a celebration of everything the UK's Built Environment has to be proud of.

Winners are selected through the regional awards programme to go forward to national finals held every year in the autumn.

JPA were finalists in four categories in 2023, winning the Sustainability category and highly commended in the SME of the Year.

Furnishing with Purpose

At JPA Workspaces we choose our manufacturing partners very carefully. We select for each project from those who have been through our robust internal audit process, with proven performance against deadlines and values that reflect our own and those of our clients.

When it comes to products, we select those with outstanding credentials focusing on design, function, quality, sustainability, materials and the potential for use beyond warranty into 2nd and 3rd lives. Product longevity is important as it reduces replacement cycles and costs – it also reduces additional emissions from resource extraction, manufacture and transport, protecting biodiversity and finite resources.

Simply buying better quality furniture and using it for twice as long is an easy way to reduce embodied carbon by 50% in line with 2030 reduction targets. To achieve this, JPA stay with specified products for their entire lifecycle, providing support and maintenance as needed to extend the life of the furniture for as long as possible. Quality items will last longer and tend to retain some residual value when no longer required, leading to take back, re-use and re-cycling in future.

“The trusted, expert designer and provider of workspaces that are better for people and planet.”



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