

# Environmental Sustainability

Welcome

# Professor Peter Roberts



Professor Emeritus of Sustainable Spatial  
Development at the University of Leeds and Co-  
Chair of the NHS Confederation Sustainable  
Development Group

# Environmental Sustainability 6 December 2022

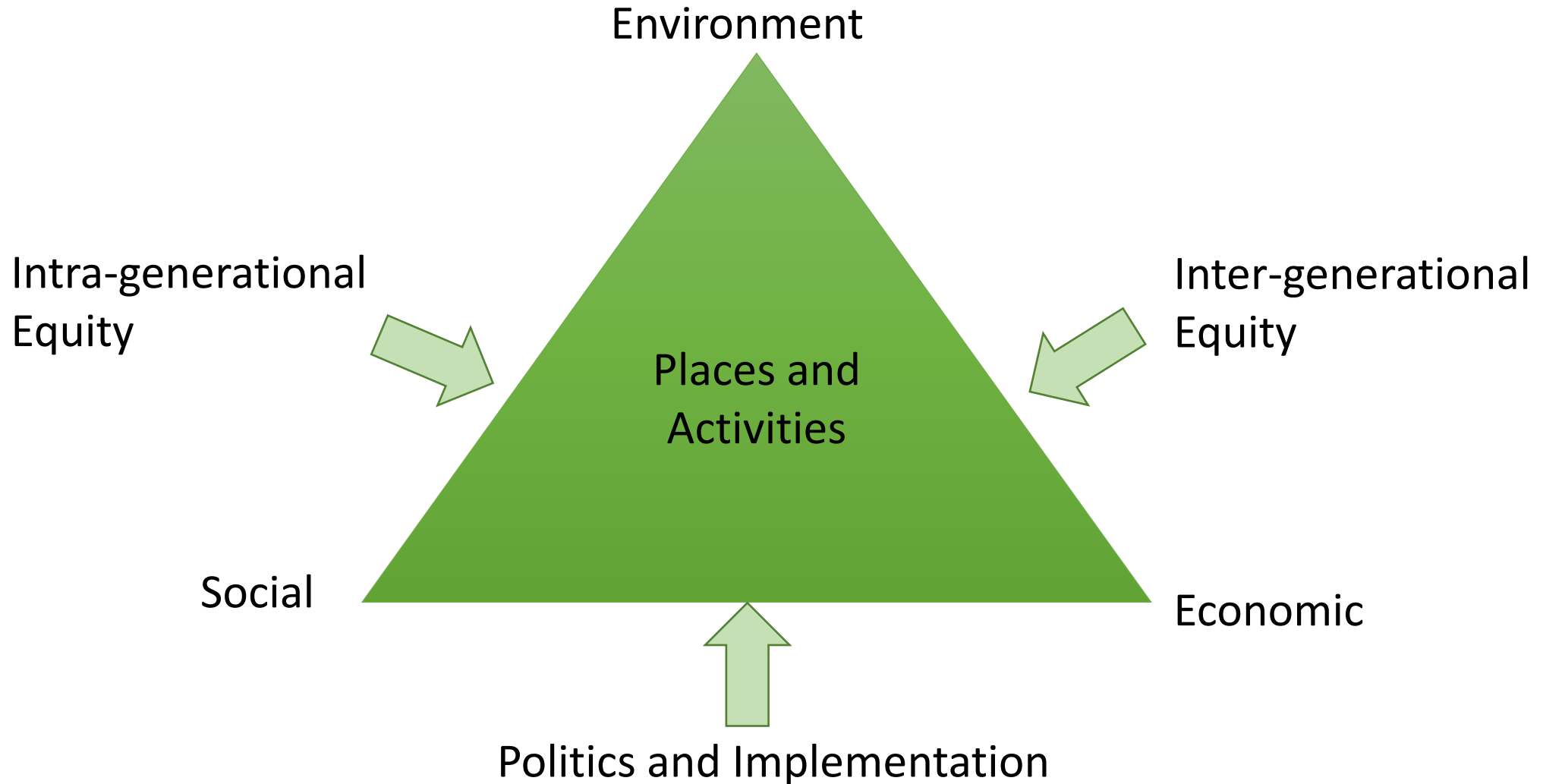
Sustainable Development: Why does it matter and how to do you plan and implement?

Professor Peter Roberts

# Introduction

- Sustainable development is the latest version of a longstanding concern for the environment and its interaction with social and economic issues
- The term sustainable development is a preferable description – other terminology can be imprecise and misleading
- Sustainable development defined initially by the Brundtland Commission as: *'development that meets the needs of the present without compromising the ability of future generations to meet their own needs'*
- This definition has led to a series of international agreements and conferences – COP.

# Sustainable Development Relationships



# Why does Sustainable Development Matter?

- Because, **in general terms**, it defines the future of not just the environment, but also issues related to social justice and just economic development
- Because, **in specific terms**, it sets limits to all human activities, especially when seen in terms of climate change
- Because, **in detailed terms**, it is a specific requirement of policy – such as the need to move to net zero by 2050
- Because, **for public bodies** such as the NHS, it is an obligation to produce ‘green plans’ and then to implement them

# Initial Steps

- Other speakers will deal with specific aspects of the topic, but it is important in all cases to relate thinking and actions to the United Nations Sustainable Development Goals (SDGs) – this suite of goals is the international common framework
- The first step for any organisation is to define what it does and to relate their activities to the SDGs – this allows you to clarify and scale
- Then it is important to assess your performance against the sector – specific or other appropriate benchmarks?
- From this you can plan how to achieve your environmental, social and economic goals
- In tandem, you can conduct detailed surveys of your own activities and assess them

# Key Considerations

In the future, funding (from public and private sector) will be related to your sustainable development (or 'green' or 'climate change') performance

Management approaches to these issues have evolved over the years from social responsibility, to CSR, to social audits and now to ESG.

The methods of analysis, management and audit will continue to evolve.

From an audit perspective, it will increasingly become important to identify, assess and act upon sustainable development matters, especially climate change

It is likely that public organisations will have to produce audited plans, especially for their climate change performance



# Today's Event

- It is intended as an introduction to a complex and sometimes difficult to understand topic – but it is one that demands attention
- Adele Wiseman will provide an overview of how to get started with the most frequently used analysis and management approach - ESG
- Howard Gray and Pippa Greenwood will provide an introduction to CGI's work on climate change
- Helena Clements will outline the work of Sherwood Forest NHS Foundation Trust on climate change
- Lynn Walker will offer an overview of Nottinghamshire Healthcare's work on moving to net zero
- And then there is an opportunity for any final questions

# Adele Wiseman



Sustainability Practitioner



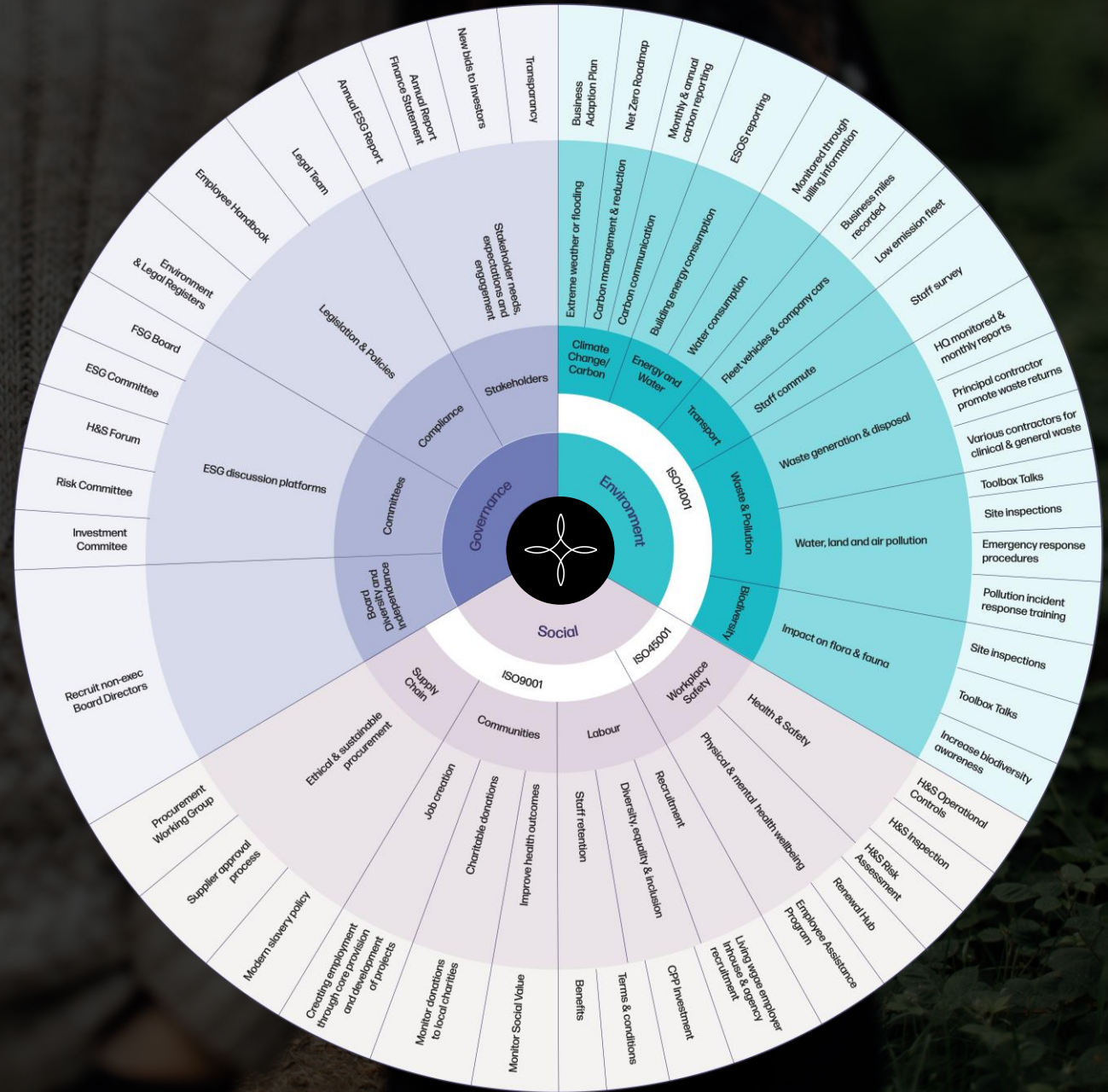
## ESG - How to get started...

# History and Evolution of ESG



ESG COMPLETE PICTURE

# A full 360° evaluation

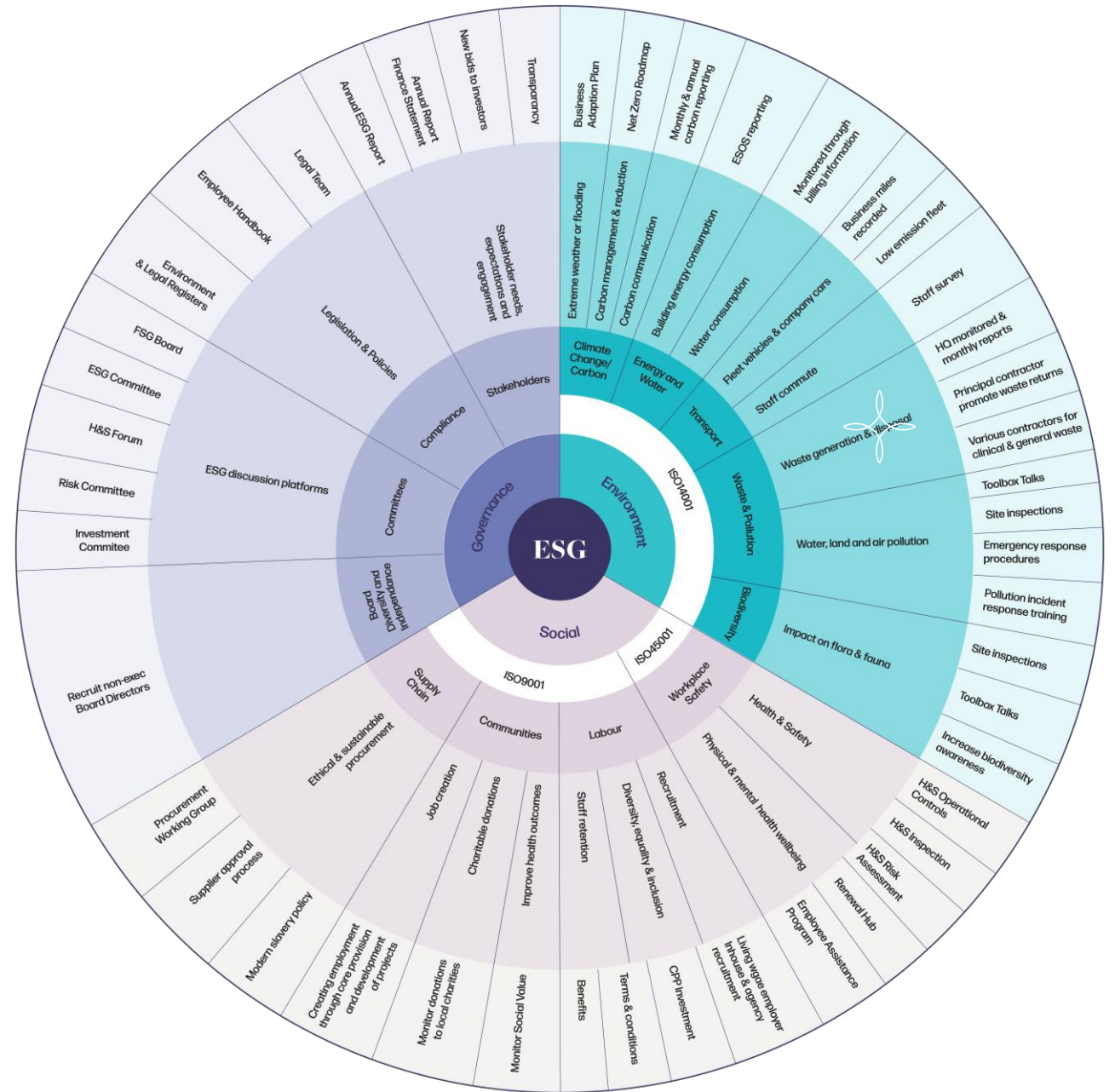


LET'S TAKE A  
CLOSER LOOK...



# Environment

Environmental criteria includes climate change, energy and water use, waste, pollution and biodiversity. This criteria is used in evaluating the significance of the environmental risks and manage the risk.





# Environment

ISO14001

## Climate Change/ Carbon

Extreme weather or flooding

Business Adaption Plan

Carbon management & reduction

Net Zero Roadmap

Carbon communication

Monthly & annual carbon reporting

## Energy and Water

Building energy consumption

ESOS reporting

Water consumption

Monitored through billing information

## Transport

Fleet vehicles & company cars

Business miles recorded

Staff commute

Low emiss

Waste generation & disposal

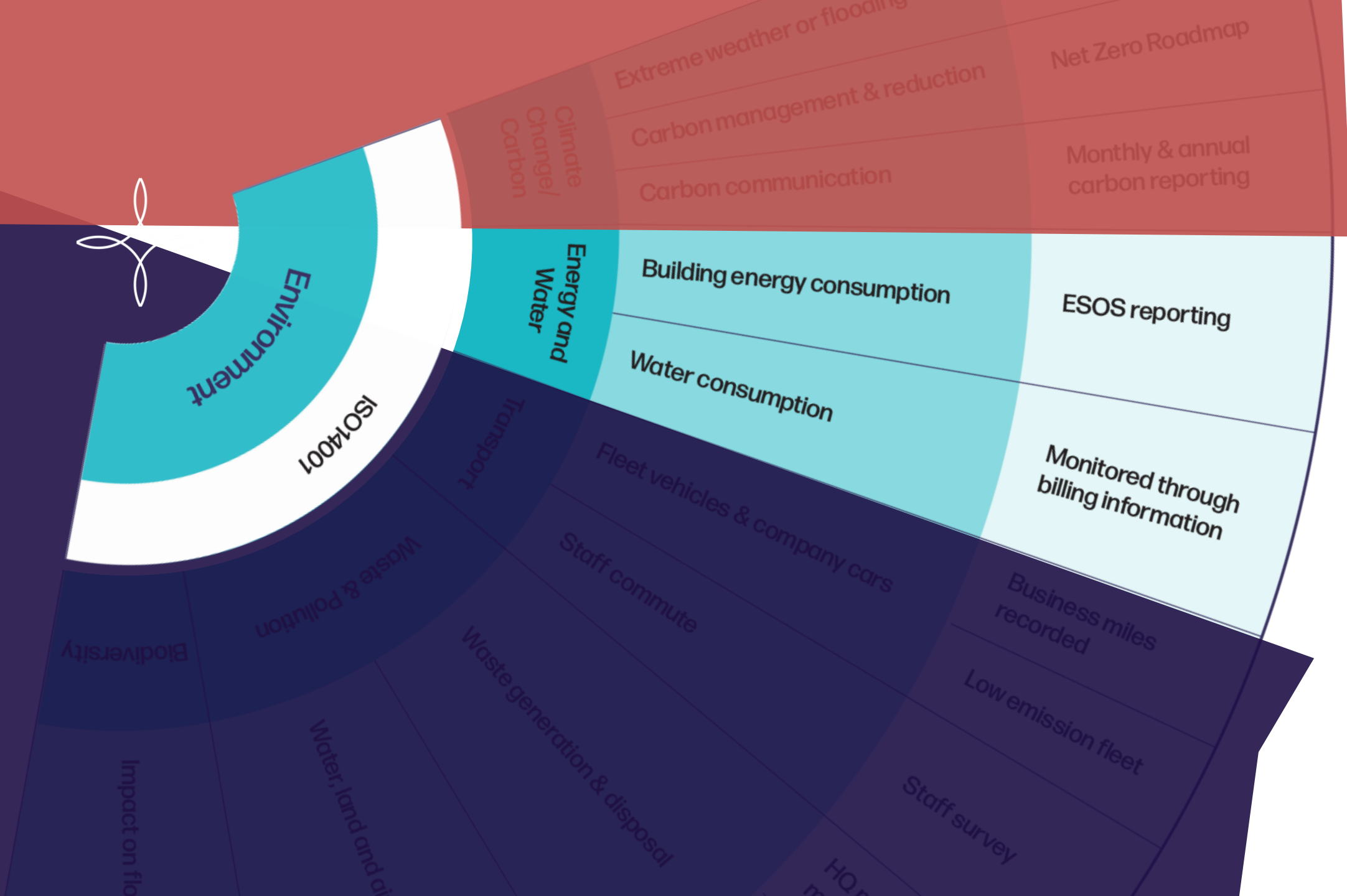
## Waste & Pollution

Water, land and air pollut

## Biodiversity

Impact on flora & fauna







# Environment

ISO14001

## Transport

Fleet vehicles & company cars

Business miles recorded

Staff commute

Low emission fleet

Staff survey

## Waste & Pollution

Waste generation & disposal

HQ monitored & monthly reports

## Biodiversity

Water, land and air pollution

Principal contractor promote waste return

## Impact on

Various climate

## Climate Change/Carbon

## Carbon

Carbon communication

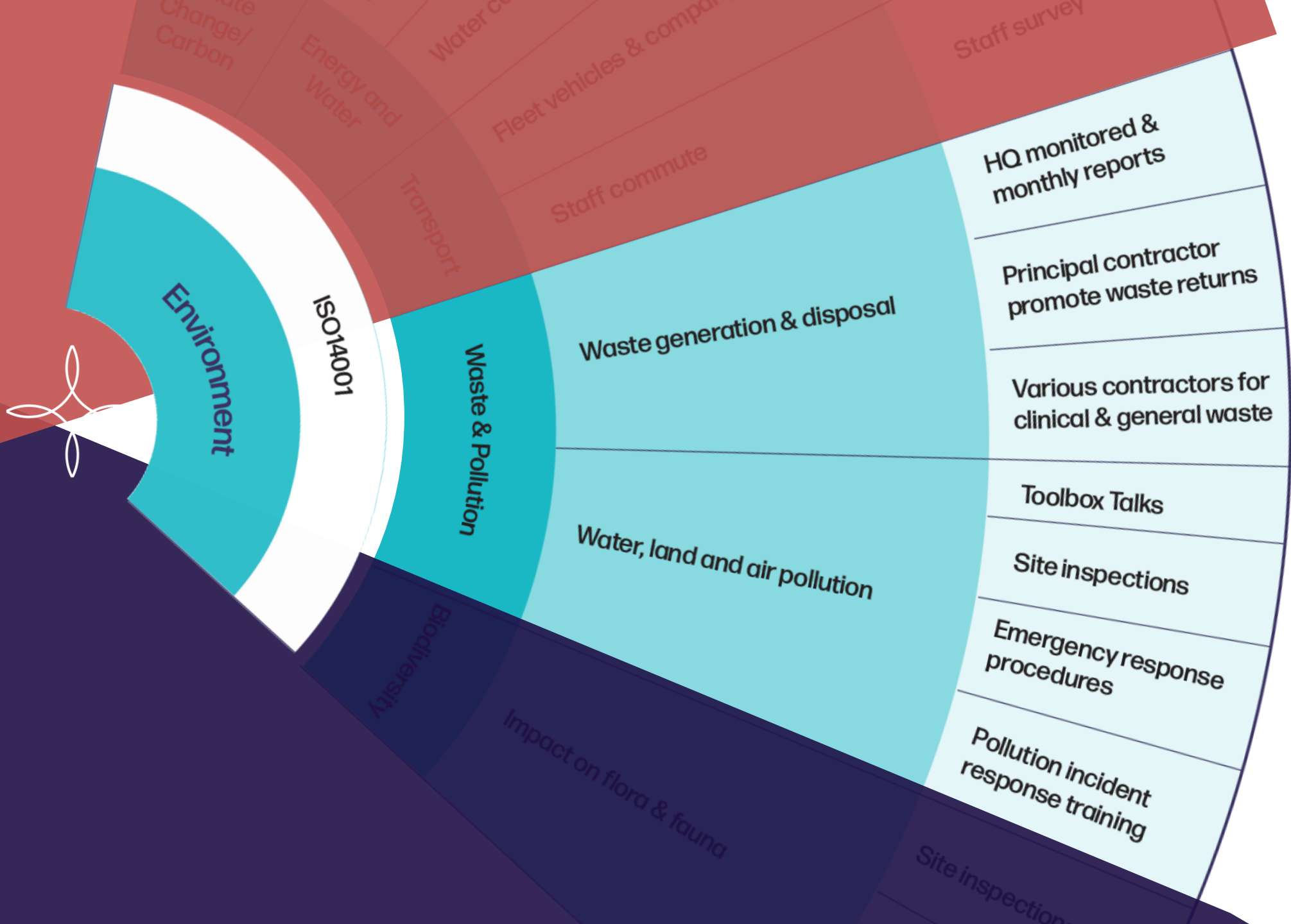
ESOS reporting

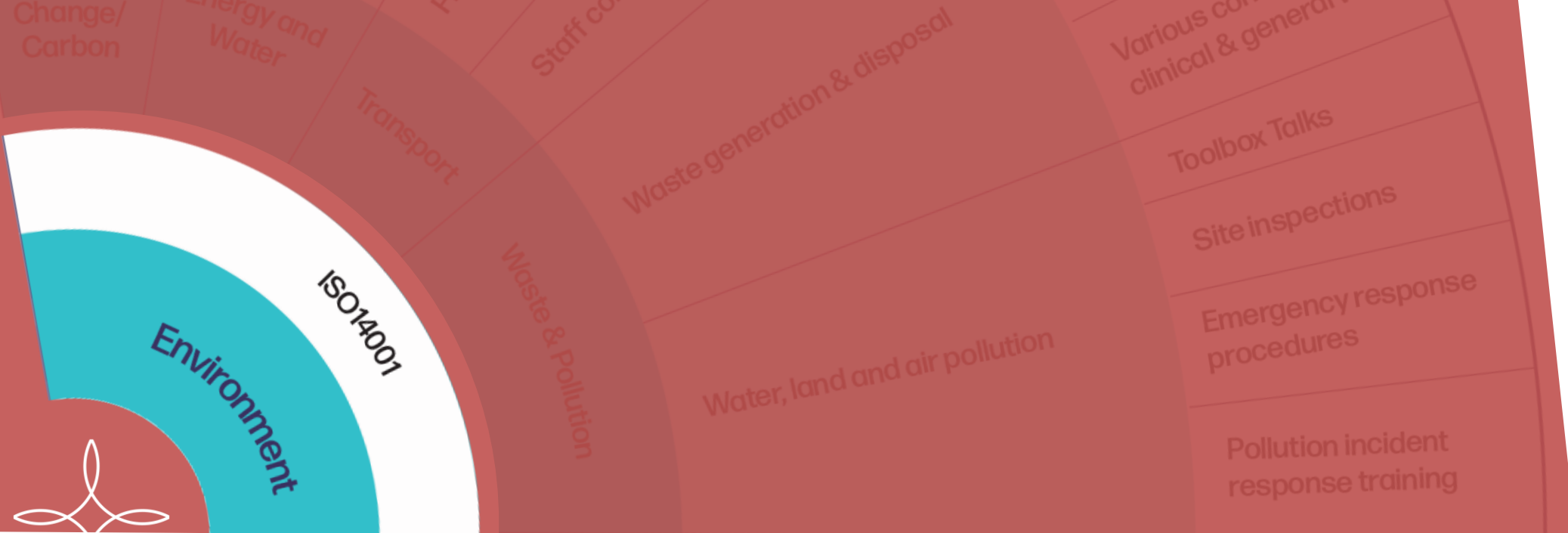
## Energy and Water

Building energy consumption

Water consumption

Monitored through billing information





**Environment**

**ISO14001**

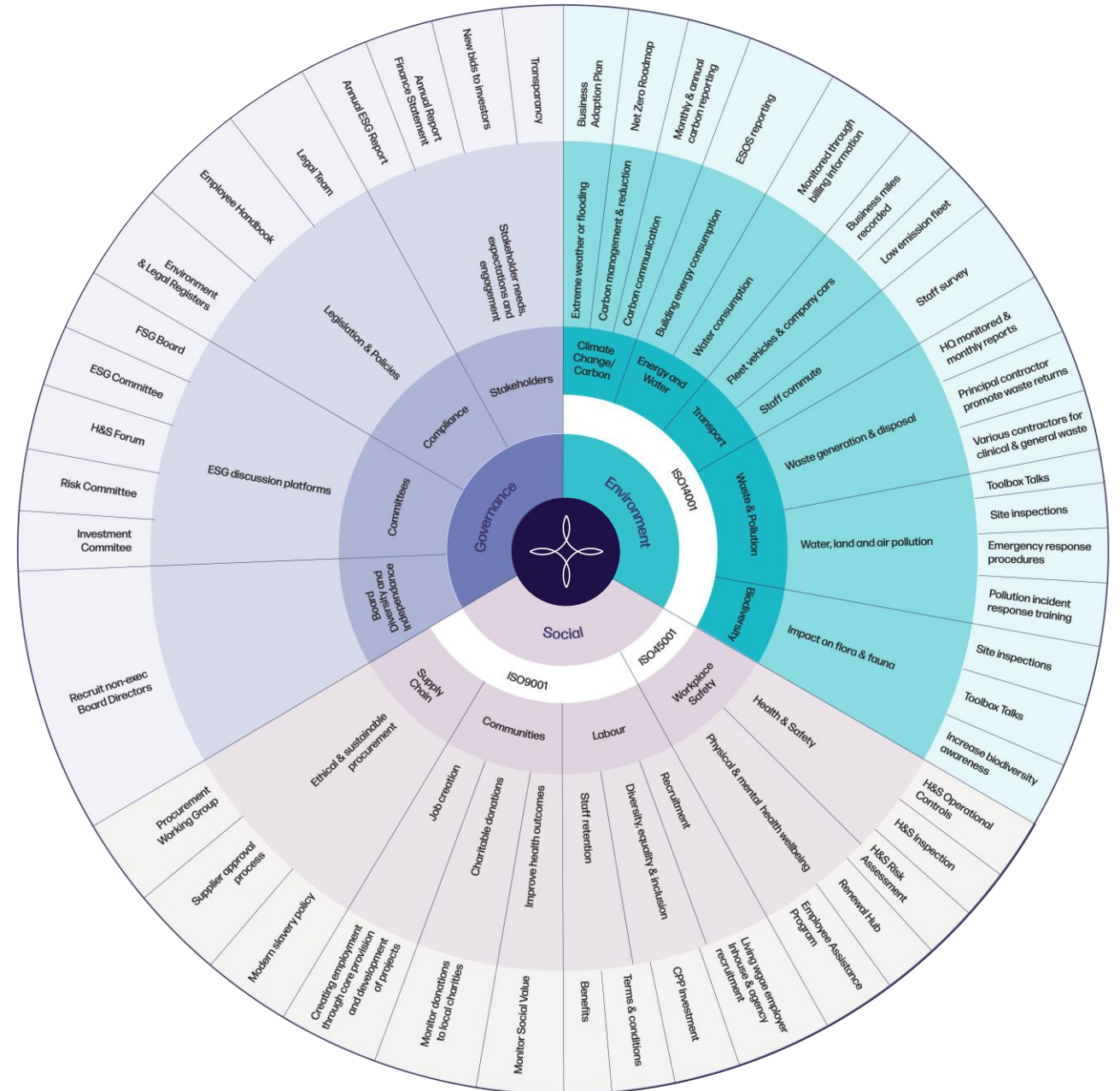
**Biodiversity**

**Impact on flora & fauna**

- Site inspections**
- Toolbox Talks**
- Increase biodiversity awareness**

# Social

Social criteria look at the company's business relationships. Does it work with suppliers that hold the same values as it claims to hold? Does the company donate a percentage of its profits to the local community or encourage employees to perform volunteer work there? Do the company's working conditions show high regard for its employees' health and safety?





Social

ISO45001

Workplace Safety

Health & Safety

H&S Operational Controls

H&S Inspection

H&S Risk Assessment

Renewal Hub

Employee Assistance Program

Physical & mental health wellbeing

ISO9001

Labour

Recruitment

Diversity, equality & inclusion

Staff retention

Living wage employer  
Inhouse & agency  
recruitment

CPP Investment

Communities

Job creation

Charitable donations

Improve health outcomes

Supply Chain

Ethical & sustainable procurement

Terms &



# Social

ISO9001

ISO54001

## Labour

Recruitment

Diversity, equality & inclusion

Staff retention

Living wage employer  
Inhouse & agency  
recruitment

CPP Investment

Terms & conditions

Benefits

Workplace  
Safety

Physical & mental health wellbeing

Renewal Hub

Employee Assistance  
Program

Supply  
Chain

Communities

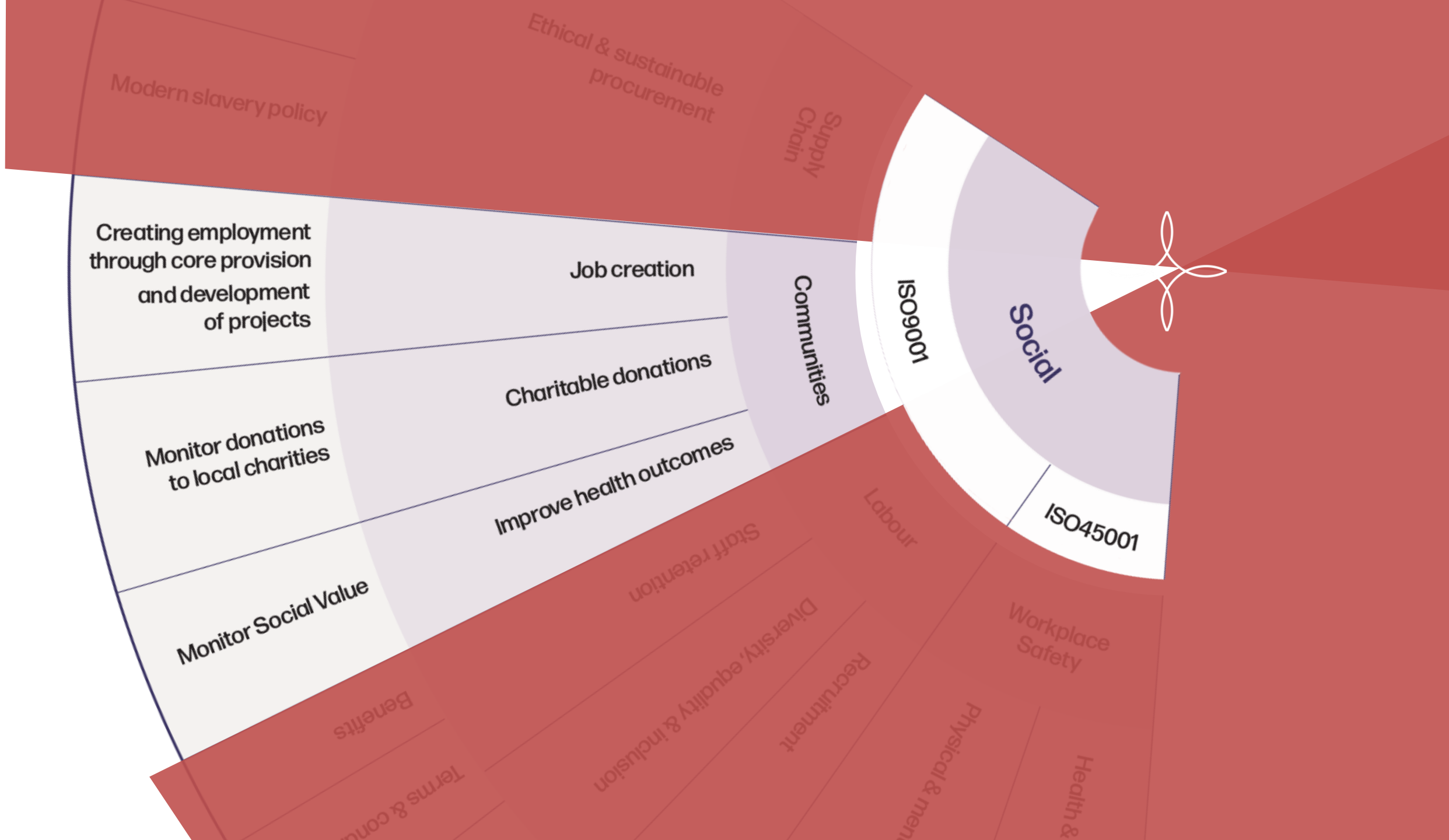
Charitable donations

Job creation

Improve health outcomes

Monitor Social Value

Procurement  
& sustainable







Procurement Working Group

Supplier approval process

Modern slavery policy

Ethical & sustainable procurement

Supply Chain

ISO9001

Social

ISO45001

Creating employment through core provision and development of projects

for donations and charities

Job creation

Charitable donations

Improve health outcomes

Staff retention

Diversity, equality & inclusion

Recruitment

Communities

Labour

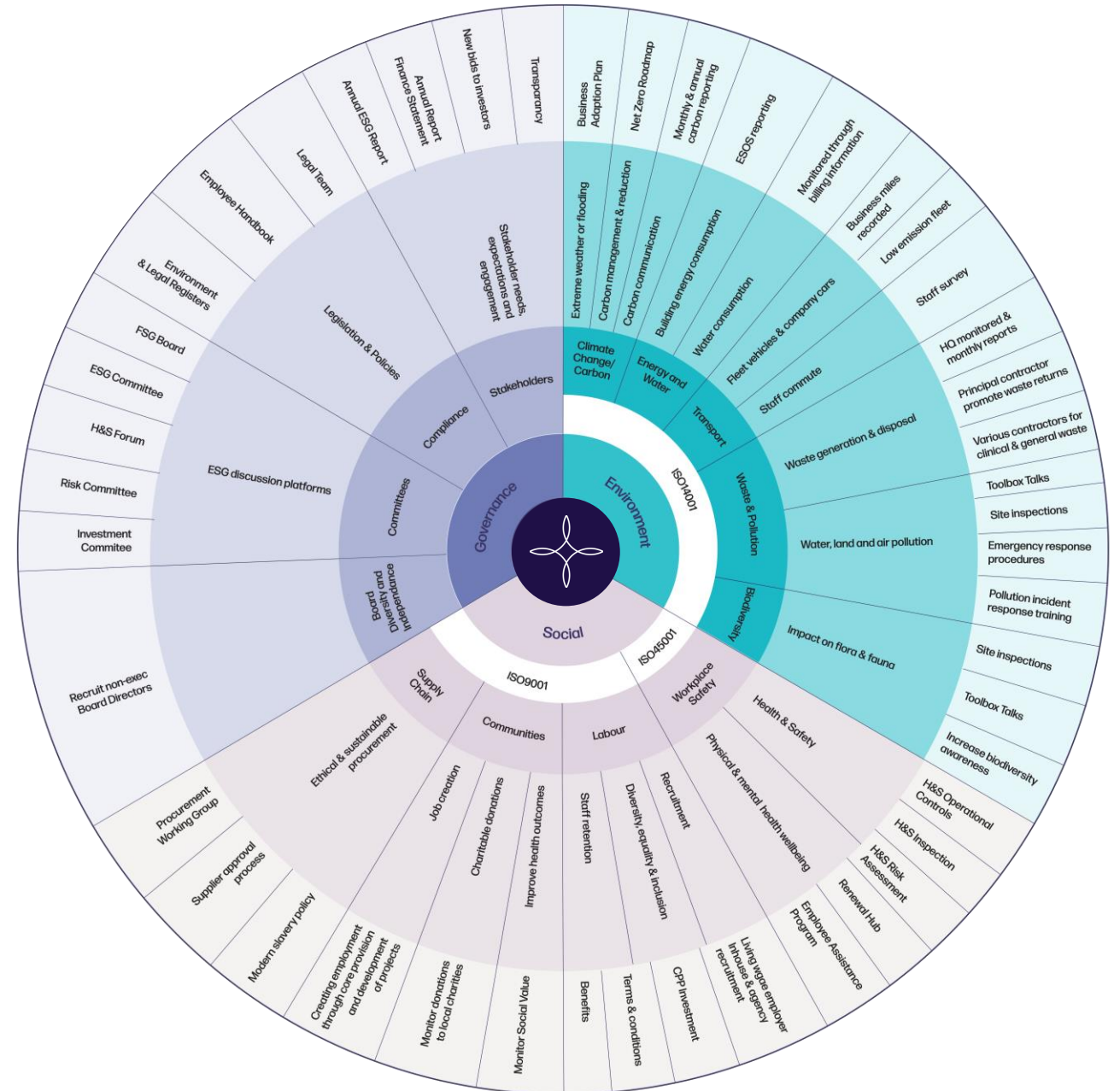
Workplace Safety

Physical & mental health

Health & Safety

# Governance

Every company requires good governance and transparency around their decision-making. It is important to ensure policies, leadership and strategic direction are in line with sustainability goals. This in turn will attract investors.





Annual ESG Report

Annual Report  
Finance Statement

New bids to investors

Transparency

Stakeholder needs,  
expectations and  
engagement

Stakeholders

Governance

Board  
Diversity and  
Independence

Committees

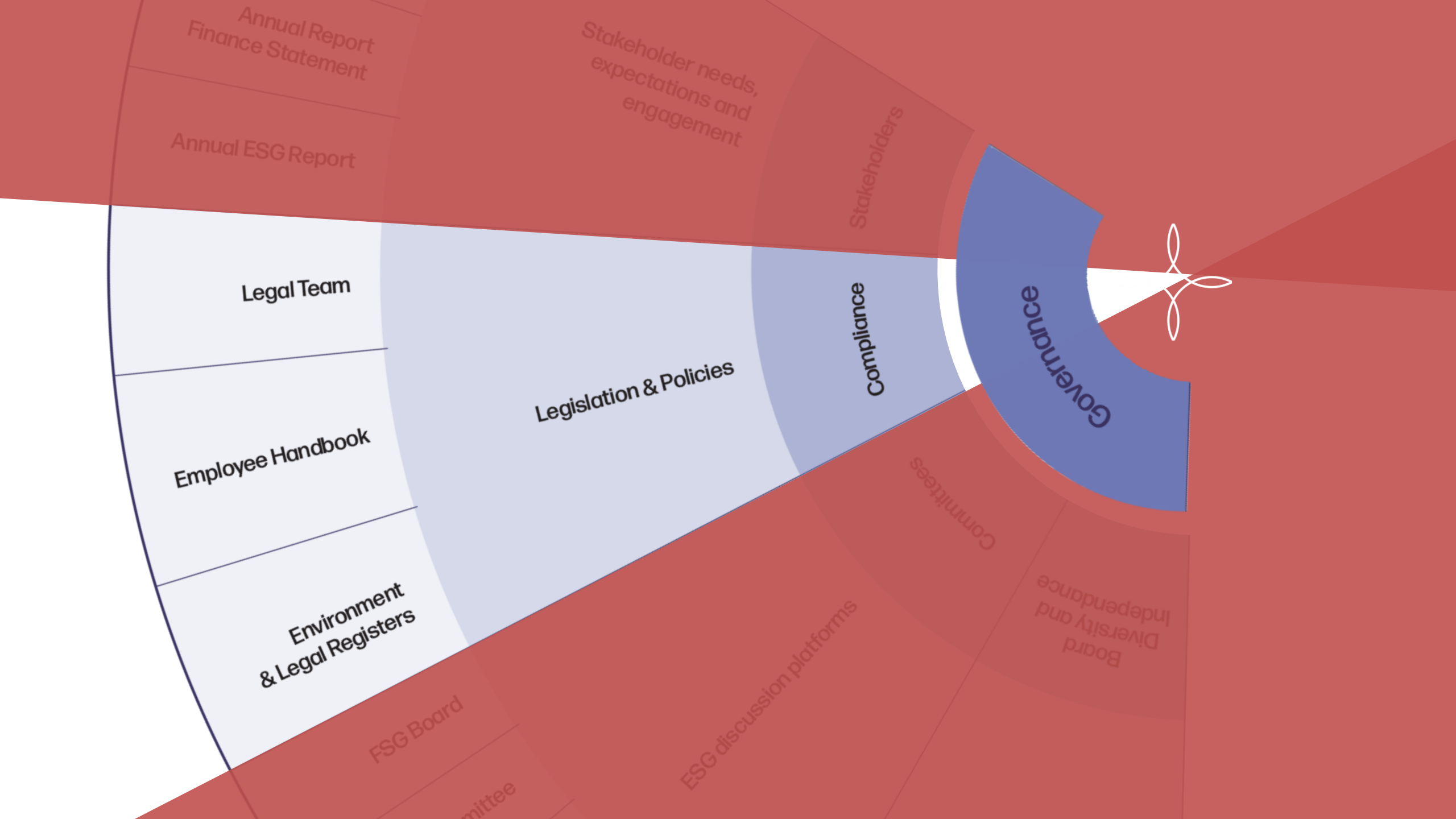
Compliance

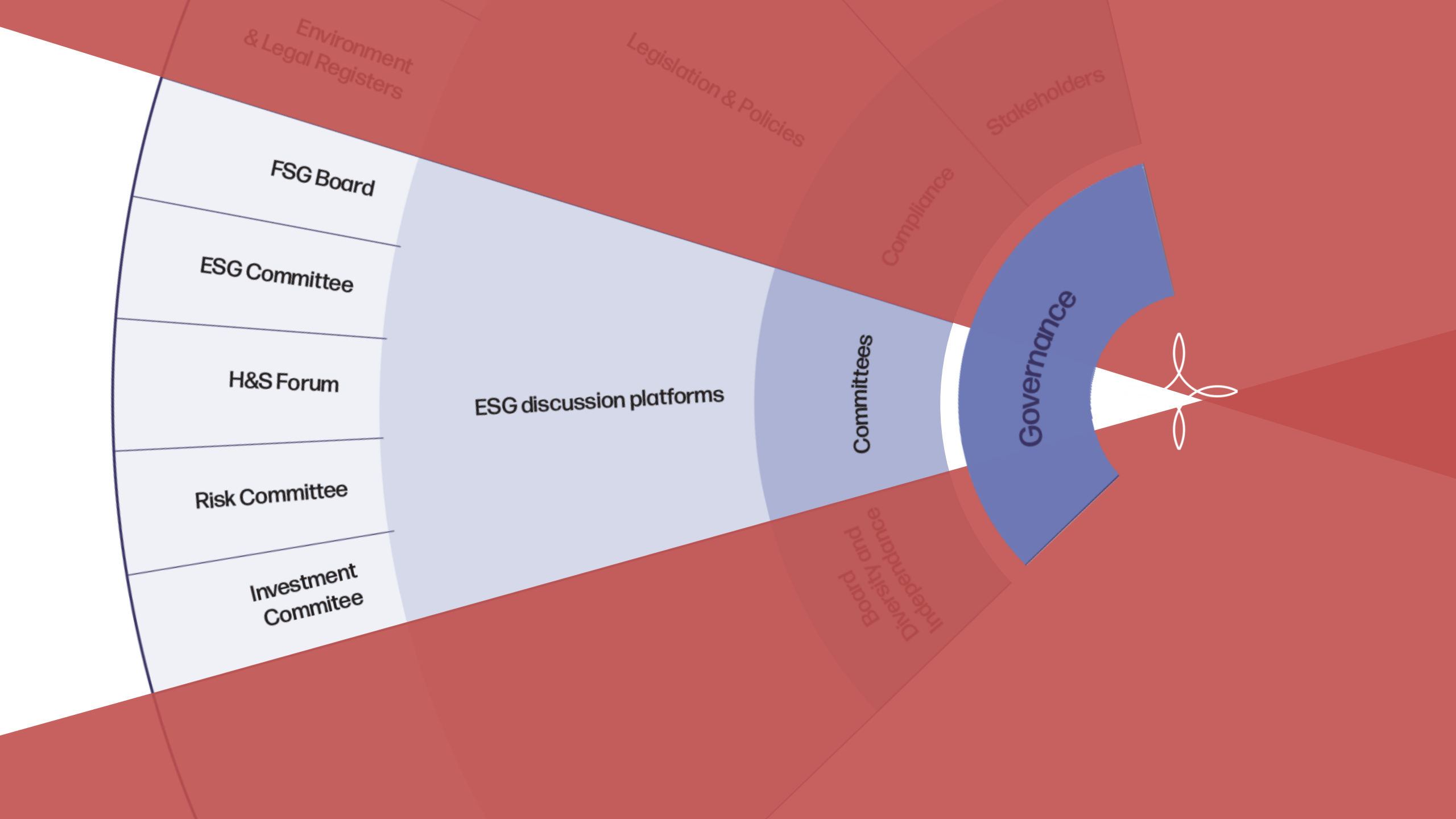
Legislation & Policies

Legal Team

Handbook

discussion platforms





Environment & Legal Registers

Legislation & Policies

Stakeholders

FSG Board

ESG Committee

H&S Forum

Risk Committee

Investment Committee

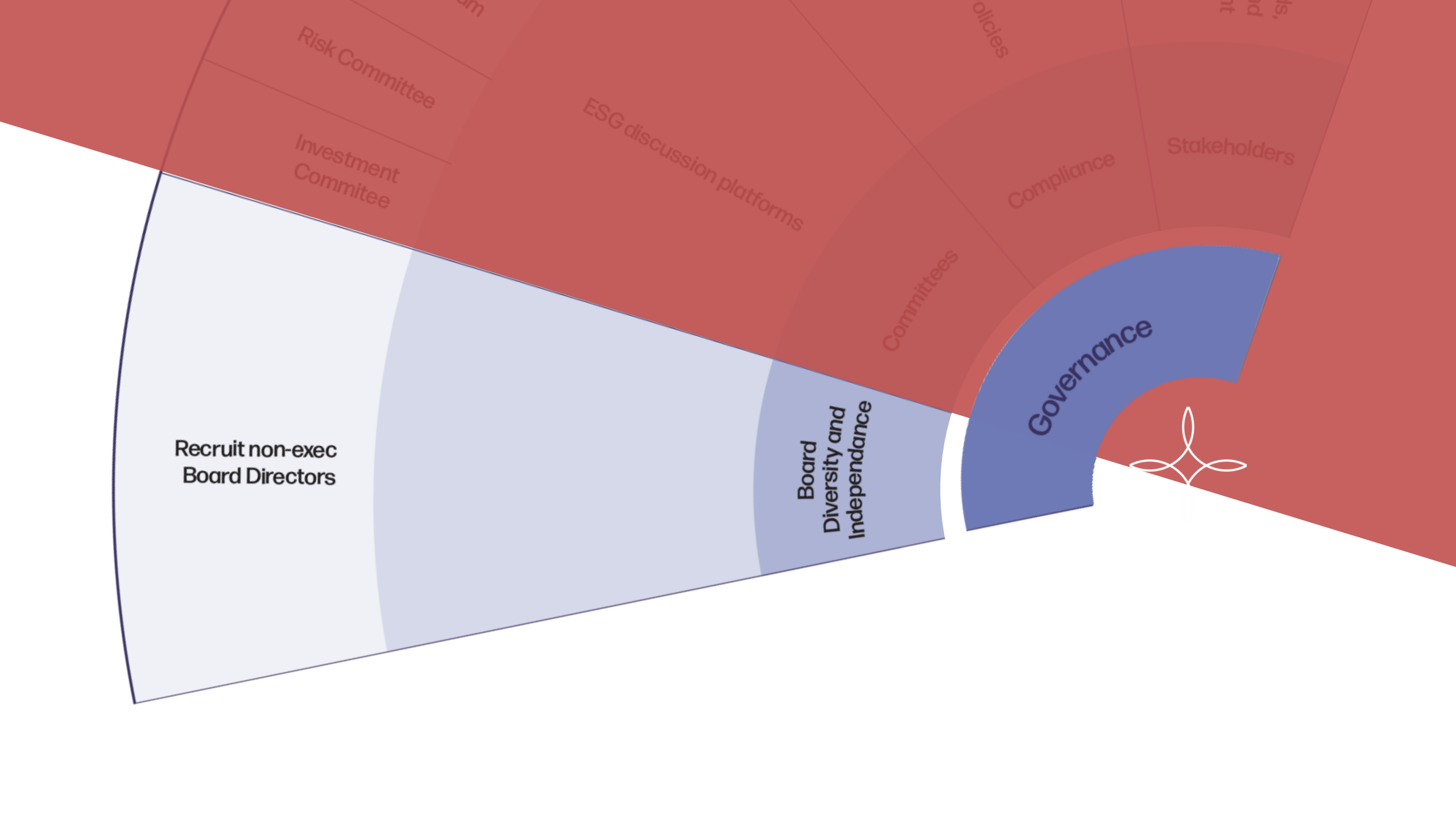
ESG discussion platforms

Board Diversity and Independence

Committees

Compliance

Governance



Recruit non-exec  
Board Directors

Board  
Diversity and  
Independence

Governance

Committees

ESG discussion platforms

Compliance

Stakeholders

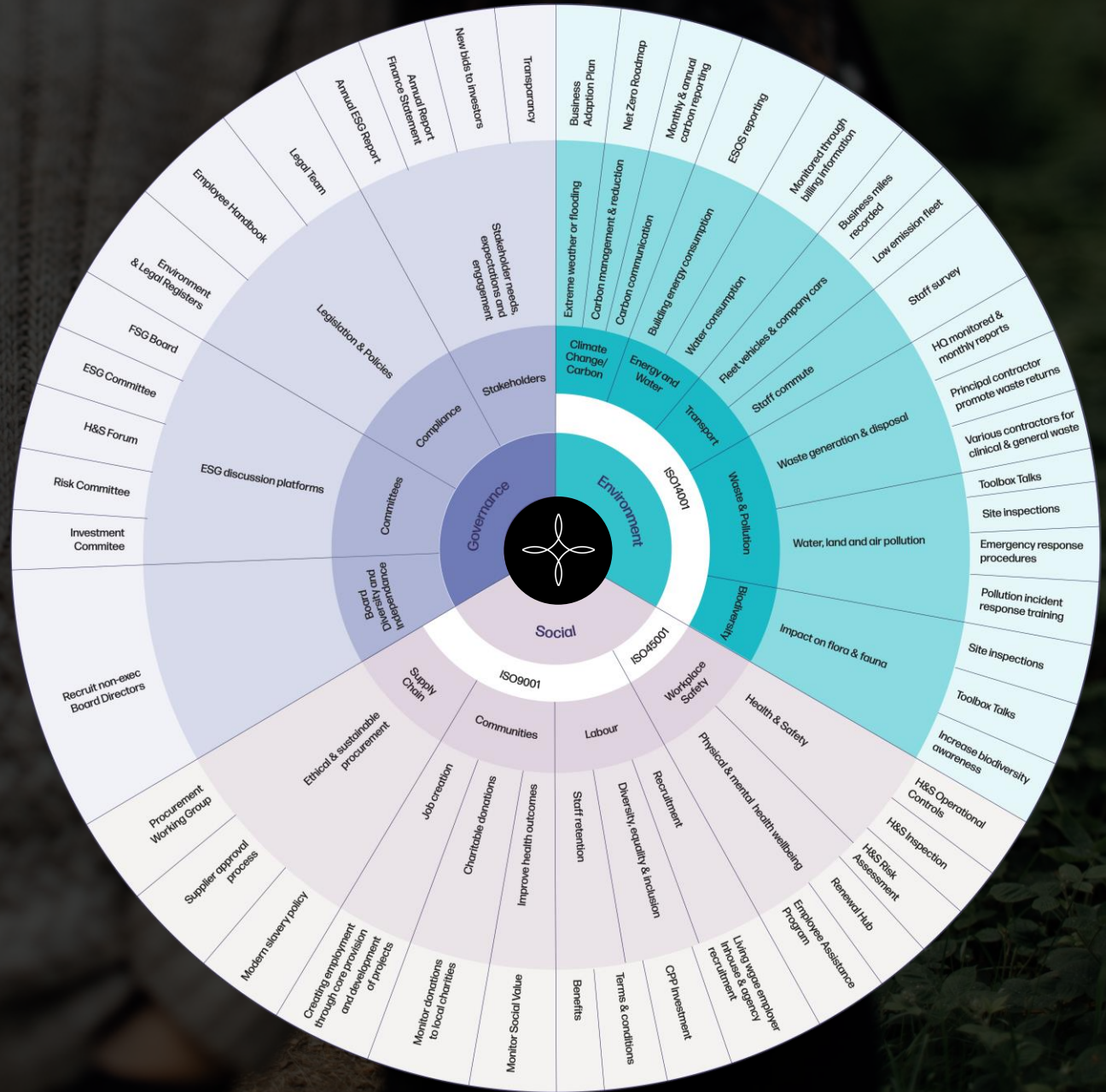
Investment  
Committee

Risk Committee

Policies

ESG COMPLETE PICTURE

# A full 360° evaluation



# SUSTAINABLE DEVELOPMENT GOALS





# Pippa Greenwood & Howard Gray



Net Zero Programme Lead, CGI

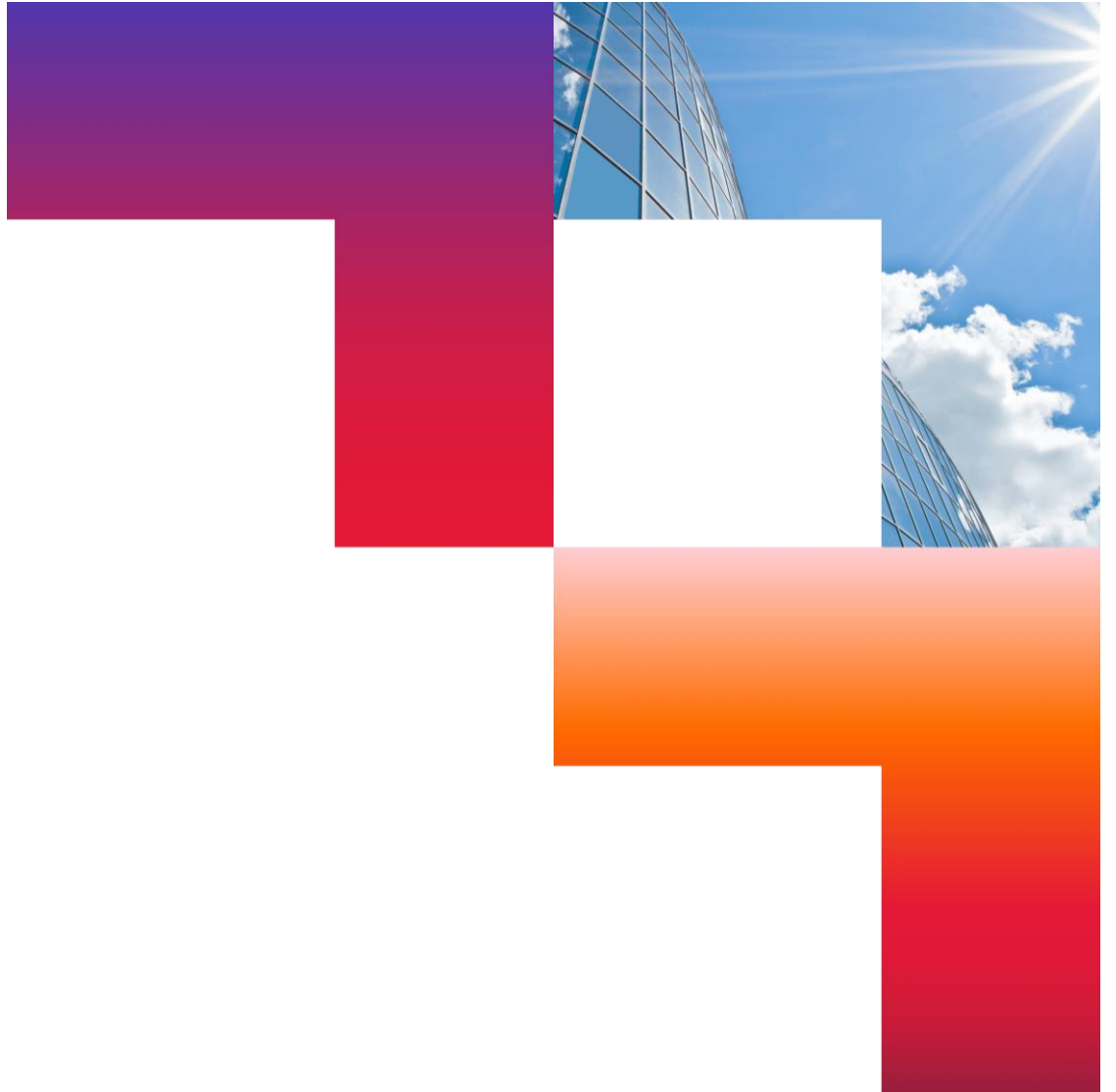
Director, Business Consulting,  
Sustainability and Climate  
Change, CGI



# CGI UK Net Zero

December 2022

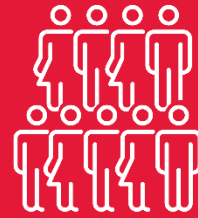
**CGI**



# Our Responsible Business Approach

## CGI in the UK: Responsible Business Strategy

We are proud of being a Responsible Business and are committed to a more inclusive and sustainable world



People



Communities

## Responsible Operations

Living Wage accreditation, supplier engagement programme, sustainable supply chain & UN Global Compact alignment.

# CGI Road to Net Zero

CGI Global has committed to achieving net zero emissions by 2030 for the company's own operations and business travel.

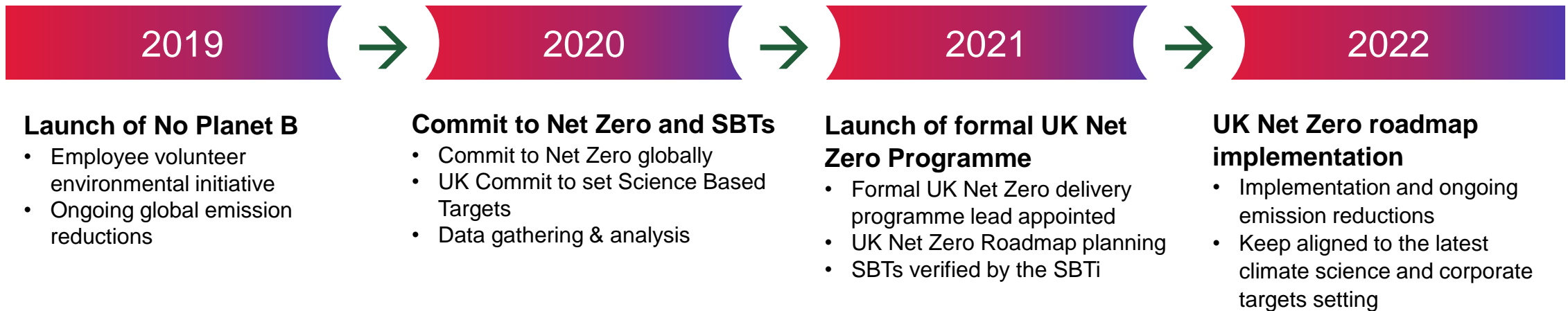
The 2030 target date is **20 years earlier** than the target date set by the United Nation's Paris Agreement on Climate Change.

Certain geographies within CGI **will reach the Net Zero target prior to 2030** – including CGI in the UK, we are aiming for Net Zero for our own operations by 2026.

CGI UK has set Science Based Targets (SBTs) validated by the Science Based Target Initiative (SBTi).



# CGI UK Net Zero Journey



# CGI UK Net Zero Programme Targets & Goals




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To achieve our **1.5°C Emission Reduction Science Based Targets**. By reducing our absolute GHG emissions by 46% for our own operations (scope 1 & 2) & by 46% for business travel (scope 3) by FY26 from an FY19 base year.

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To **neutralise our remaining residual emissions** through investing in **verified, carbon credit projects**.

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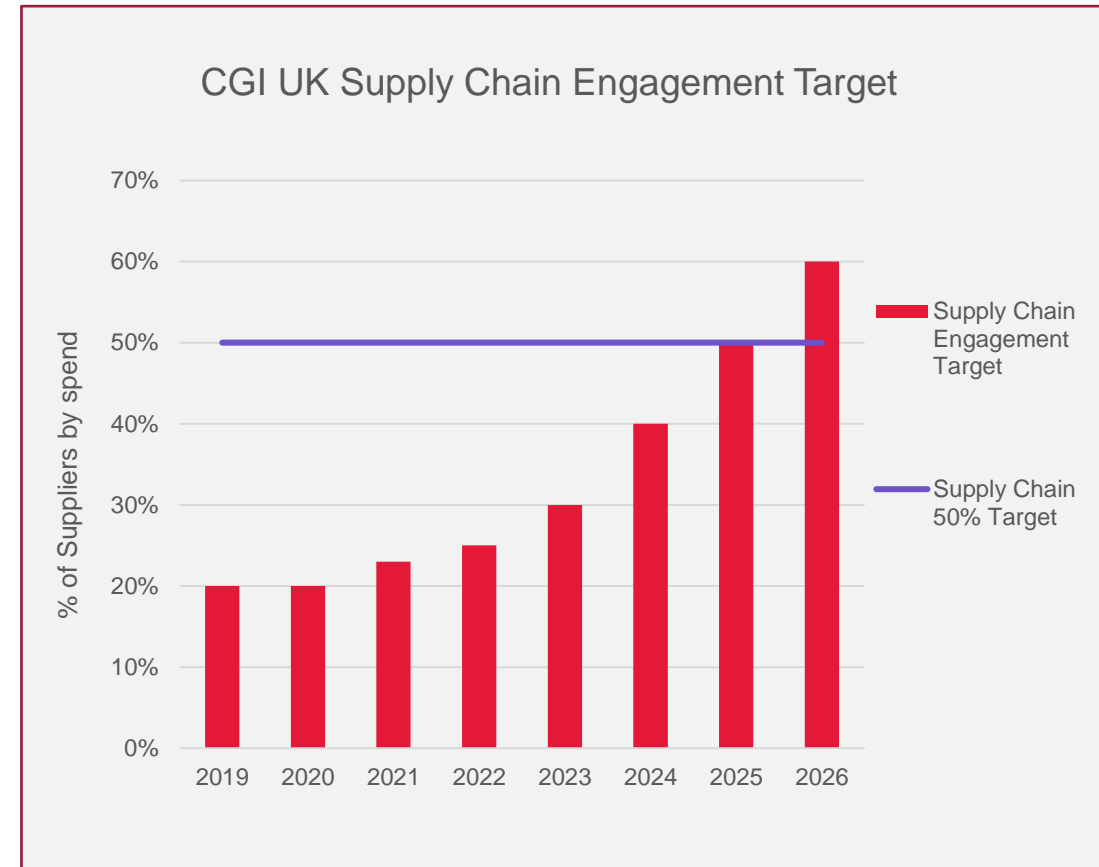
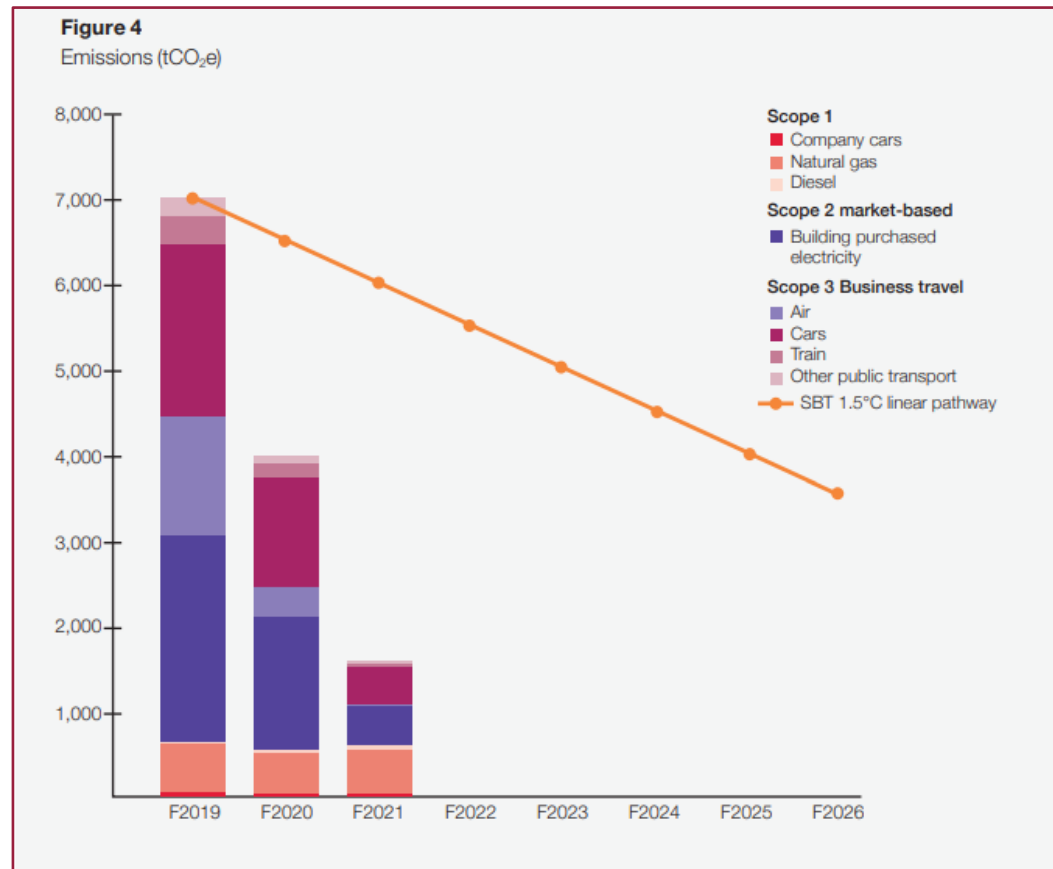
To achieve our **Scope 3 Engagement target** by the end of FY26 – to ensure 50% of our suppliers by spend, covering purchased goods and services & capital goods, will have set science-based targets by the end of FY26.

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To align with the latest climate science and put in place operational practices, policies, partnerships and actions that **protect our environment**.

# CGI UK Progress vs Science Based Targets

- Overall **77% decrease** in GHG emissions from our FY19 base year to FY21 for our CGI UK buildings, company-owned vehicles and business travel ([scope 1, 2 & 3 business travel GHG Protocol](#)).



- Progressing well with our SBTi supply chain engagement target against our timeline of ensuring 50% of suppliers by spend will have set SBTs by 2026.

# Environment Employee Engagement



**Pawprint:** Rolled out member carbon footprint app to UK members



**Webinars:** Internal Sustainability & Climate webinars to members



**Climate & Sustainability Monthly Wrap Up:** Bringing members the latest updates, highlights and articles from over the last month all in one place.



**Net Zero Hub:** one-stop-shop for accessing resources on the Net Zero Programme; including presentations and reports, No Planet B and Green Information for members.



**No Planet B Community:** volunteering sustainability initiative

Join your colleagues on **Pawprint**  
eco companion



Read our **Climate & Sustainability Monthly Wrap Up** >

## Welcome to the UK Net Zero Hub



This is your go-to place for the latest resources and information related to our UK Net Zero Programme.

At CGI, we are striving to protect the environment through responsible operating practices and delivering sustainability solutions for clients. As part of our global commitment to be net zero by 2030, CGI in the UK has committed to achieve net zero for our own operations (scope 1, 2 & scope 3 business travel Greenhouse Gas (GHG) emissions) by 2026 and has set science-based targets (SBTs).

Read here for more information: [CGI announces verified science-based targets and ambitious net zero plans for its UK operations](#)

Visit the [UK Responsible Business Hub](#) to find more information on all CGI UK are doing to achieve a more sustainable and inclusive world.

	<b>GHG Emission Results</b> Results and reports on how we are tracking against our UK science-based targets (SBTs) and overall global climate & sustainability progress >		<b>Living Green</b> Green information resources to help you live a little bit greener >
	<b>Our Net Zero Collateral</b> Additional resources to help you with your bid and/or delivery work >		<b>No Planet B</b> Our internal committee supporting CGI through member led initiatives >
	<b>Our Supplier Engagement Collateral</b> Resources for supplier account leads to support our climate credentials and responsible business activities with our suppliers >		<b>Pawprint</b> Our member carbon footprint app helping you to create carbon-reducing habits >



Read our **Climate & Sustainability Monthly Wrap Up** >





# No Planet B

## Challenge

We need to engage members on the climate crisis and promote sustainability within the business.

## Solution

A member driven initiative called 'No Planet B' that promotes member contribution towards meeting business wide environmental objectives by working on the areas members have suggested as priorities.

## Benefits

- Develops opportunities to reduce our emissions
- Creates a collectively accountable approach to environmental issues
- Enables members to be involved in concrete actions and have shared insights
- Promotes sustainability & climate communication, with challenges & rewards
- Member retention and team building



CGI members and their communities taking part in Climate initiatives and activities

# It's time to get growing again...

## Our Community Tree Planting Initiative is back for FY23!



- This winter we are donating a further **5,500 trees to communities** across the UK, adding to the 10,000 planted in communities since FY19 under this initiative!
- We're now accepting applications and this year we have a [brand new application form](#)
- You can [find out more](#) on how to apply, what communities you can nominate, what types of tree species are available and more in our [FY23 Community Tree Planting member FAQs](#) where we've collated all of the important information you and your community need to get started
- We will be **accepting applications until 28 February**

# Sustainable festive fun for members

- Get involved in our **eco-friendly 'Feeling Green' Festive Creative Competition** by creating your own gifts, Christmas crafts, decorations, wrapping paper, gift cards and more this festive season
- Share your images of your thoughtful creations on our [No Planet B Teams Channel](#) between **2 December and 3 January** to be in with a chance to win a gift voucher to [WWF](#). We have gift vouchers for 1<sup>st</sup> (£50), 2<sup>nd</sup> (£30) and 3<sup>rd</sup> (£20) place!



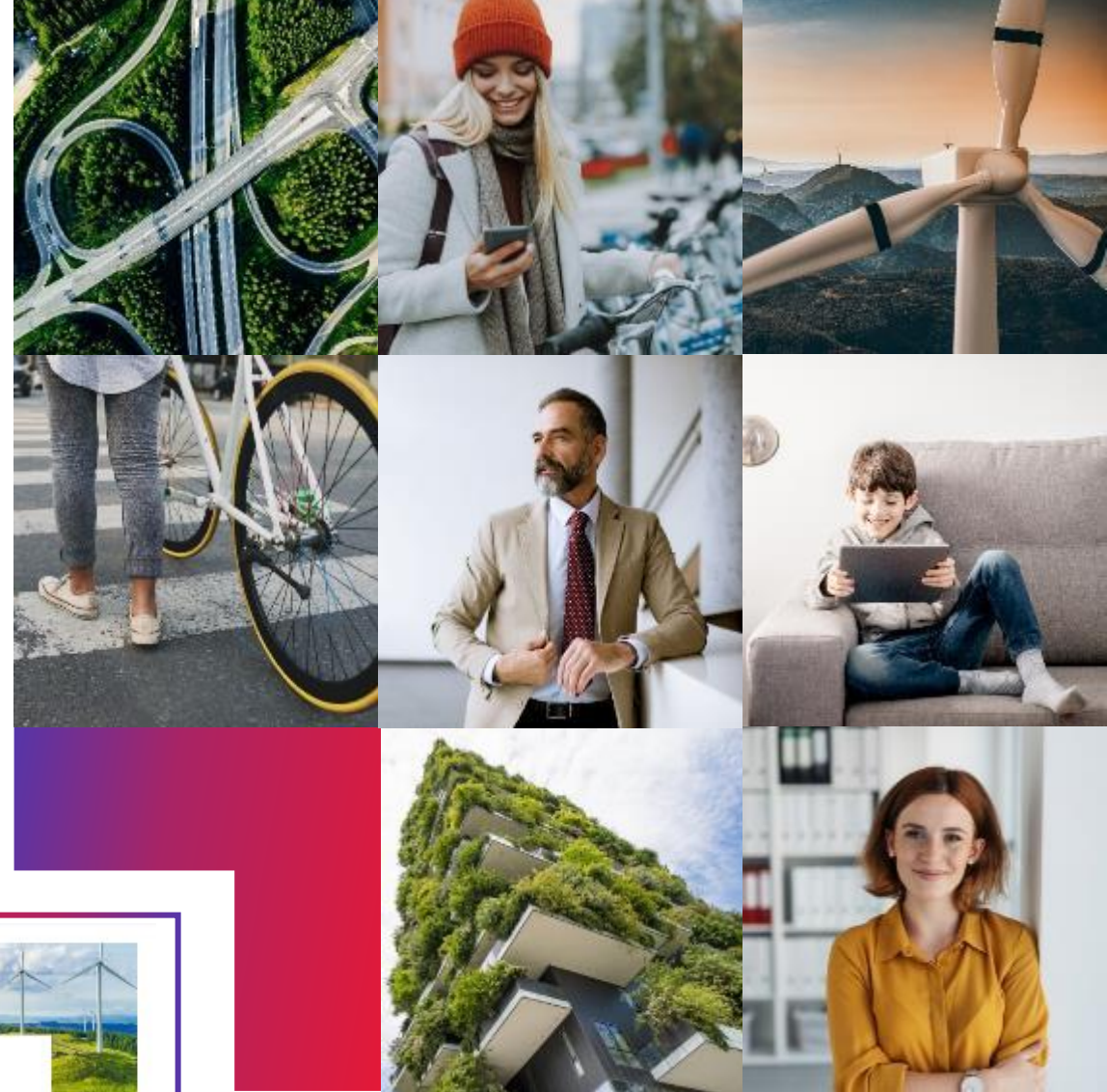
- For every member who submits an entry into our Feeling Green Competition, **we'll be donating £10 to charity [WasteAid](#)**, helping your submissions go even further.
- We will also be running our first **Christmas [Pawprint sprint](#)**. You can find 20 festive themed actions over in the Pawprint app now up until 3 January in our 'Feeling Green' sprint – including actions around making your own decorations, helping you to log your Christmas competition entries!

# Our ambition, at your side

“Environmental and social issues will profoundly transform your activities and accelerate the emergence of new practices.

It is up to you to meet these unprecedented challenges by turning them into exceptional community and economic opportunities for you, your clients, partners and employees.

We are at your side, supporting you through our innovative solutions that combine economic efficiency, positive societal impact and a search for meaning.”



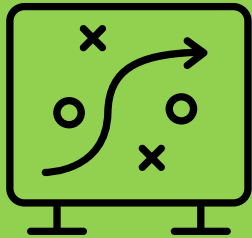
# Sustainability & Climate Change Advisory

December 2022

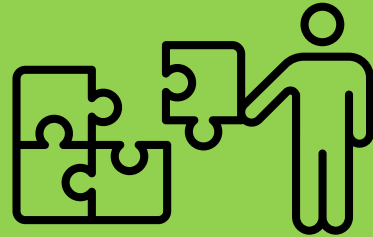
**CGI**



# Sustainability & Climate Change Advisory



Sustainability  
business  
consulting



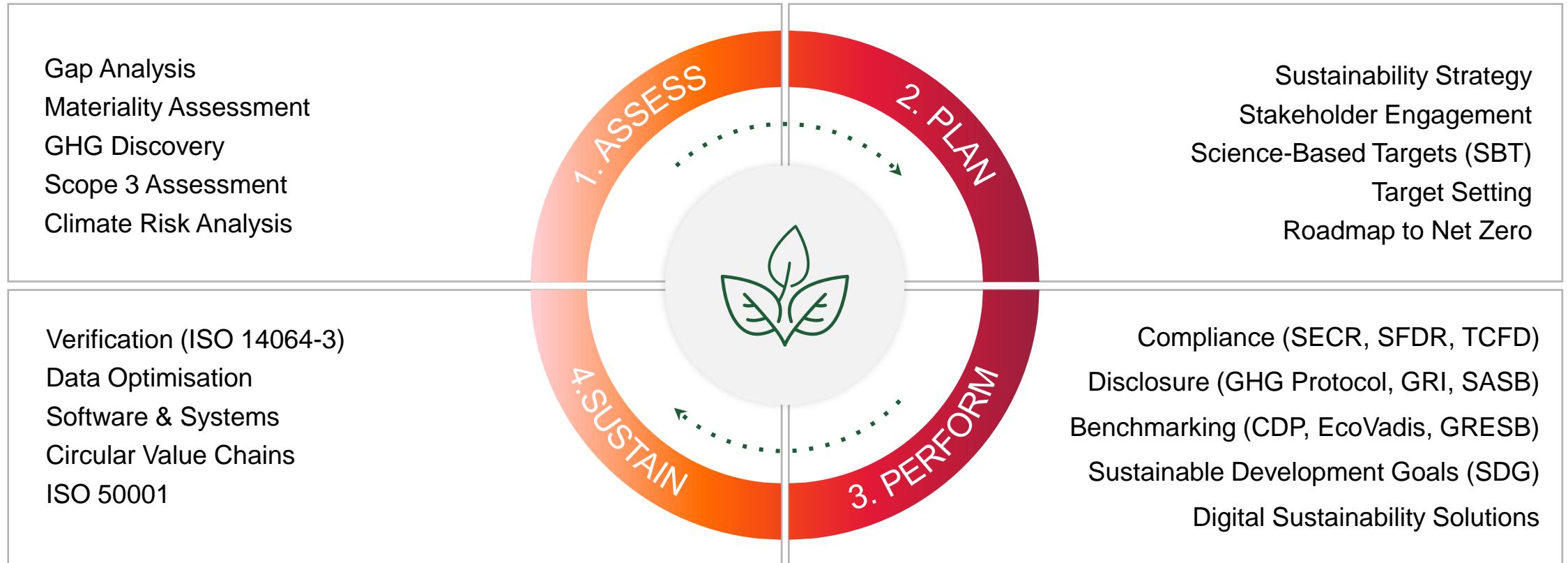
Best of CGI IP &  
partner solutions



Digital  
sustainability

Delivering pathways to Net Zero

# Guiding you on your journey to Net Zero



# Digital Transformation

## Driving Sustainable Outcomes

Our client, a rural local authority, faced the challenges of greater demand for services, an aging population, increasing digital divide, changing customer expectations, budgetary pressures **and delivery of a net zero ambition.**

CGI delivered a digital strategy and roadmap outlining key future programmes of work aligned to organisation priorities and value.

### Example Workstream –

Enable front line employees by using technology and actionable information at the point of need to support performance management outcomes.

### Target Outcomes –

- More efficient front line operations / reduced operating costs
- Improved citizen and employee experience
- **Reduction in fleet and business travel contributing to net zero ambition**





# SMART Technology Solutions



## Smart Building IoT Technology

Smart building sensors that measure heat, light and power, but also occupancy and air quality. Open architecture that integrates within existing systems and anticipates failure to enable proactive maintenance.



## Smart Building Retrofit Decision Making

Thermal imaging technology and intelligent platform to prioritise retrofit investment



## Active Travel - Smart community platforms

Promoting healthy and sustainable travel, with the aim of making walking and cycling the preferred ways of getting around over shorter distances.



## CGI SensorInsights360 - Improving citizen wellbeing through IoT

A scalable, real-time data platform that delivers an end-to-end approach to IoT and asset management.



## Door James - Enabling flexible working

A platform to simplify flexible workspace and resource booking.



# Embedding Net Zero

## Cornwall Council

On 22nd January 2019 Cornwall Council declared a climate emergency. The Council published their *'Climate Change Plan: creating the conditions for change through direct action and a new form of place-based leadership for Cornwall'* on 15th July 2019 and outlined the work needed to become **net carbon neutral by 2030**.

CGI's Sustainability Advisory Team have been working with Cornwall Council to verify their carbon inventory to GHG Protocol and demonstrate their progress towards their net zero ambition.

A key element of this has been to advise on an appropriate technology platform that will allow the **transition of carbon accounting from a retrospective annual process to one that is embedded within a monthly directorate level reporting and performance management process**.



## CASE STUDY

# Helping University Hospitals Plymouth NHS Trust attain a more sustainable future.

CGI helped University Hospitals Plymouth NHS Trust to better understand its data in order to create a strategic, actionable roadmap to net zero.

“CGI worked closely alongside University Hospitals Plymouth NHS Trust to help us understand the sustainability data we had and how best to use this to progress towards our ‘For a Greener NHS’ targets.”

Kirsty Wavish

Green Plan Programme Manager  
University Hospitals Plymouth

## Value delivered

- Improved governance of sustainability data
- Improved data quality
- Greater confidence in GHG assertions
- Implementation of processes around GHG reporting
- Better understanding of scope 3 emissions
- Confidence in addressing the right areas sustainability
- Better understanding of performance against peer group organisations



**University Hospitals  
Plymouth**  
NHS Trust

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University Hospitals Plymouth  
NHS Trust

Country: UK

Industry: Health

Learn more at [cgi.com/uk](https://cgi.com/uk)



**Howard Gray**

Sustainability & Climate Change Advisory

[howard.gray@cgi.com](mailto:howard.gray@cgi.com)



# Dr Helena Clements



Consultant Paediatrician and Clinical Climate Lead  
at Sherwood Forest Hospitals NHS Foundation Trust



# Planetary Health

## Climate Action for a Greener NHS

Helena Clements  
Consultant Paediatrician  
Clinical lead for climate action SFH  
Clinical lead for Nottinghamshire Greener ICS





# Aim of this talk

- Honest appraisal of where we are
- What needs to happen?
- Who needs to do it?
- When?
- What can you do?



What will life be like  
for a child born to  
day?







# A hopeful vision of a low carbon future

Temperature rise  
maximum 1.5° C

Investment in  
renewables

Access to  
community green  
spaces

Healthy low  
carbon diet

Community low  
carbon transport/  
cycle paths and  
footpaths

Clean air

Low incidence of  
preventable  
diseases such as  
T2DM, obesity,

Improved mental  
health







# Consequences of 2°C temperature rise

- Mosquitos – malaria, dengue, yellow fever, Zika
- Severe Heat waves – direct health effects of extreme heat
- Drought – water rationing, desertification,
- Crop failures – hunger, migration, refugees, conflict
- Unpredictable rainfall – flooding/ drought
- Sea level rise – cost estimated at \$11.7 trillion



## So with current modelling where are we heading?

- Currently already 1.1 degree
- Likely to reach 1.5 degrees in next 10-20 years
- Predicted 2.9 degrees by the end of the century with current mitigations
- Depends on tipping points
- At **current emissions** rates we will have used our whole carbon budget in 10.5 years (50 % chance of limiting temperature rise to 1.5 degrees) [IPCC 2020]
- Emissions still **increasing** at 6%/ year



# I refuse not to have hope!





## CLIMATE ACTION



### My life for 20 years

Dr Clements

Mrs Tilley



## About 4 years ago

Grandson born

What's the point of being a Paediatrician?

Need to do more for him and all children

Extinction rebellion/ Activism

Board time out

Conversation with the Chair

RCPCH/ FMLM -Why aren't we talking about climate change?





# So what can we do?

- Personal actions
- Corporate actions
- National/Political/ global actions







# Personal Actions

- House
- Travel
- Money
- Food
- Influence – family friends and community
- Ref. There is no Planet B

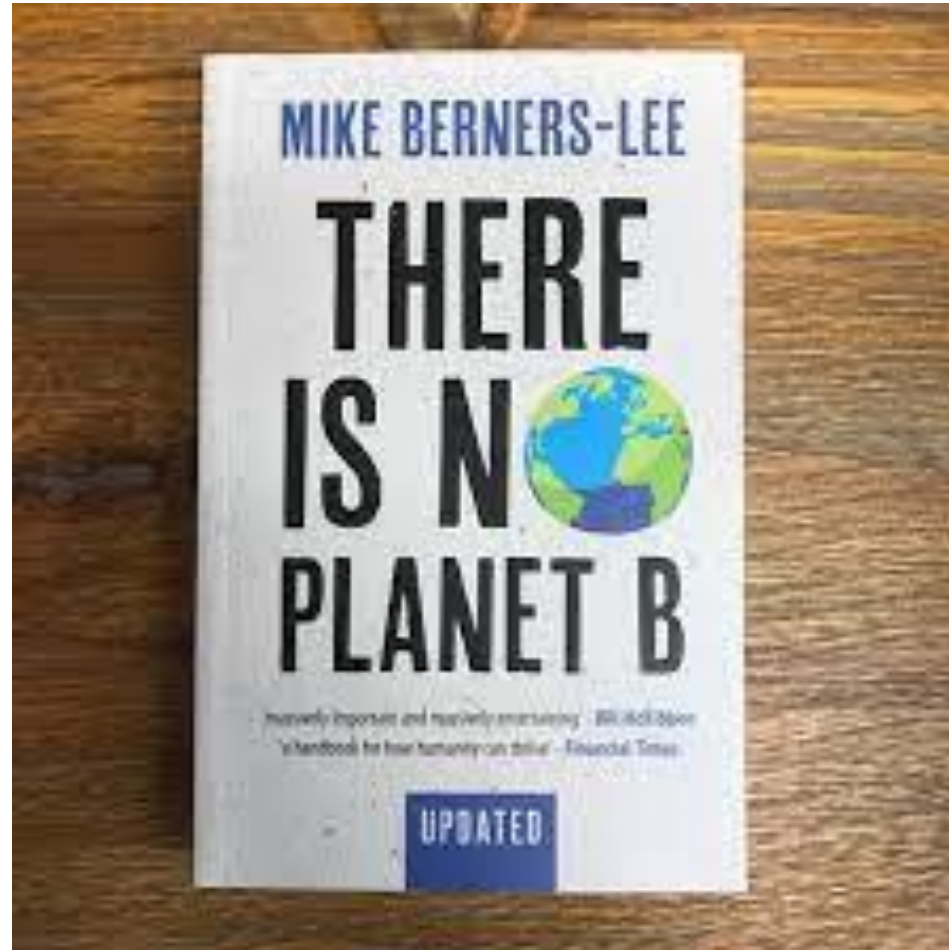




# Corporate ACTION at SFH

- Climate action team 2019-2020
  - Every exec -There's no planet B
- Discussed at Trust management team
- Agreed to support me to lead on climate action 0.5PA
- Loan of nurse from PMO 1 day a week
- Work with estates – business case for sustainability lead







# Early climate action at SFH

- Develop climate action team - multidisciplinary
- Staff vegetable garden
- Hope Orchard March 2021
- Green Plan March 2021
- Sustainability lead starts August 2021
- Waste audit and pharmacy waste audit
- HSJ sustainability award – finalist 2021
- Climate emergency declared December 2022





# And there was.....

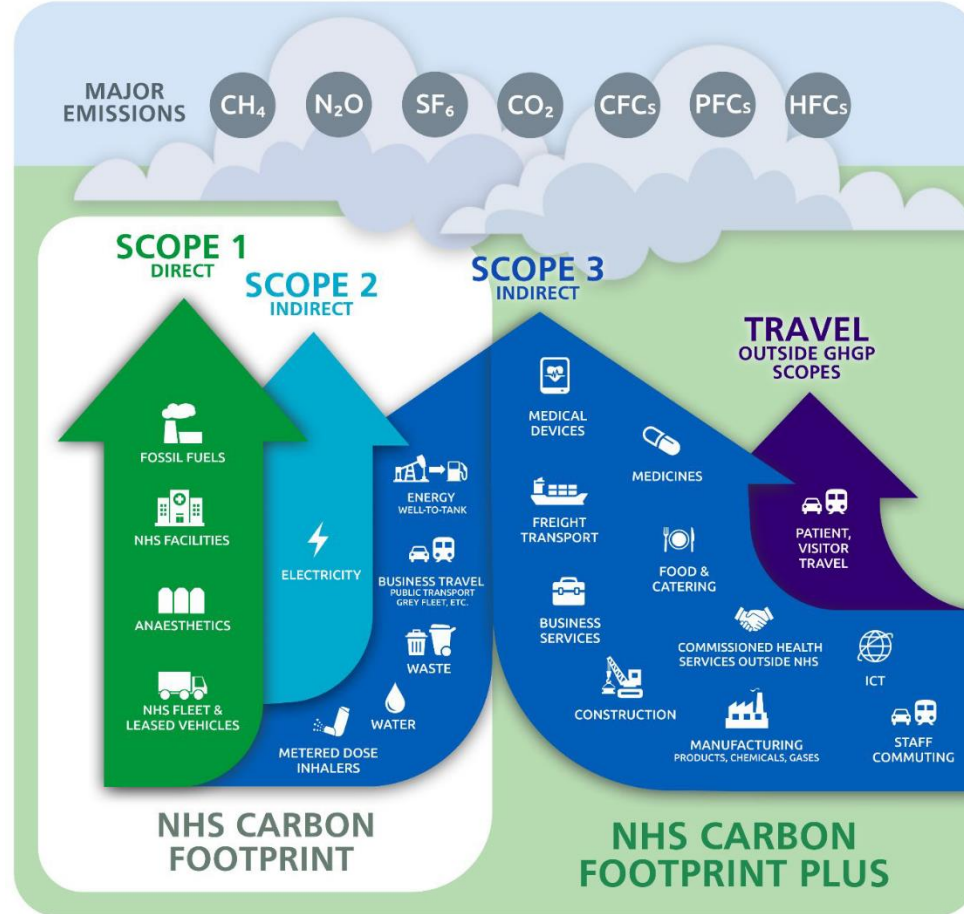
- 2020 COVID
- More COVID
- Winter
- 2021 Winter + More COVID
- Backlog
- COVID recovery
- More COVID
- 2022 Winter again!







# CLIMATE ACTION





# What do Trust Boards need to do?

- Climate literacy training
- REALLY understand the problem and solutions
- Have vision for a health service not an ill health service
- Think long term (ish)
- Work together
- Amplify learning







## As a health service we should care about:-

- Family
- Housing
- Diet (food / farming/ waste)
- Education
- Poverty
- Inequality/ Equity – locally and globally
- Transport
- Wellbeing
- Environment
- Clean air





# And if we address all that... we will have....

- Healthier, happier children
- Healthier, happier parents
- Healthier, happier communities
- Capacity in the NHS
- Less ecological and climate impact





# As leaders in the NHS we have:-

- Power within our Trusts and reach into our communities
  - Our voices are heard locally
  - We are the electorate
  - We need to be the adults our children and patients need us to be
- Wealth
  - We can easily afford our basic needs, we have choice - choose wisely
- Moral high ground
  - “children are 40% of the population and 100% of the future”
- Knowledge





# Ask yourselves

- What is happening across the Trust?
- This not just about a building
- Who is leading clinically? ( addressing 60% of CO2 emissions)
- How can we get involved/ help?
- What resource can we create?





# Creating headspace and resource at SFH

- Students – SSM ( 3x 4 weeks)
- Trainees – QI projects/examples of successful pilots
- Pharmacists – Pre-reg projects (January)
- HEE – fellowships (trust level or ICS faculty)
- Clinical senate - fellowships
- Centre for sustainable health care - fellowships
- ICS – Clinical Lead for Greener ICS





# Work across boundaries

- ICS
- General practice
- Public health
- Community and mental health
- Councils – transport infrastructure/ food/ housing / education/ procurement
- National –NHSE, Politicians,





# Think differently – what is the vision?

- Getting through winter?  
or
- Zero carbon NHS ( 80% reduction in emissions by 2028-32)
  
- Financial balance this year?  
or
- Investment in public health/ transport infrastructure / health inequalities/ fuel poverty





# Reach out

- Our staff – at least 5% of the total workforce
- Are also our patients, parents, grandparents, neighbours
- SFH -8454 – includes bank, medirect, NHIS
- Each take messages home to 5-10 people  
reach 50-80,000 people







# CLIMATE ACTION

## Nottinghamshire's greener inhaler scheme

**X** Don't throw used inhalers into your household waste or recycling bins!

Concerned about your inhaler's environmental impact?  
Discuss options at your next asthma check-up.



For expert advice on using your inhaler correctly, scan the QR code.

**6.1 million inhalers** are prescribed each year in the UK, with a total carbon footprint of **1.3 billion kg CO<sub>2</sub>e** (NHSBSA 2021)



Developed in partnership with Rushcliffe PCN and South Nottinghamshire Place Based Partnership, August 2022

All old and used inhalers should be returned to your nearest pharmacy for them to dispose of safely. ✓





# Engage politically

- Local and/ or National
- Vote!
- Influence your local MP(s) – what are they doing?
- Declare a climate emergency if you haven't already done so.
- Support organisations who are acting to mitigate climate change
  - (does not need glue or tomato soup to count)
- Involve your children?
- Be advocates for our patients







# Think about mitigations/ preparations

- Do everything you can do to contribute to Net Zero NHS
- Teach staff (and patients) to keep well in extremes of temperatures
- Health promotion +++++





# Staff wellbeing

- Exercise
- Diet
- Weight
- Mental health
- Time without screens
- Green spaces and outdoors
- Time for each other
- Get to know your neighbours
- Poverty -financial and fuel





Act now!

Thankyou.



# Lynn Walker



Head of Sustainability, Nottinghamshire Healthcare  
NHS Foundation Trust

# Our Journey to Net Zero

**Lynn Walker**  
**Head of Sustainability**

6 December 2022

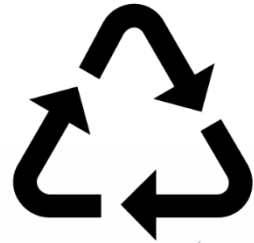




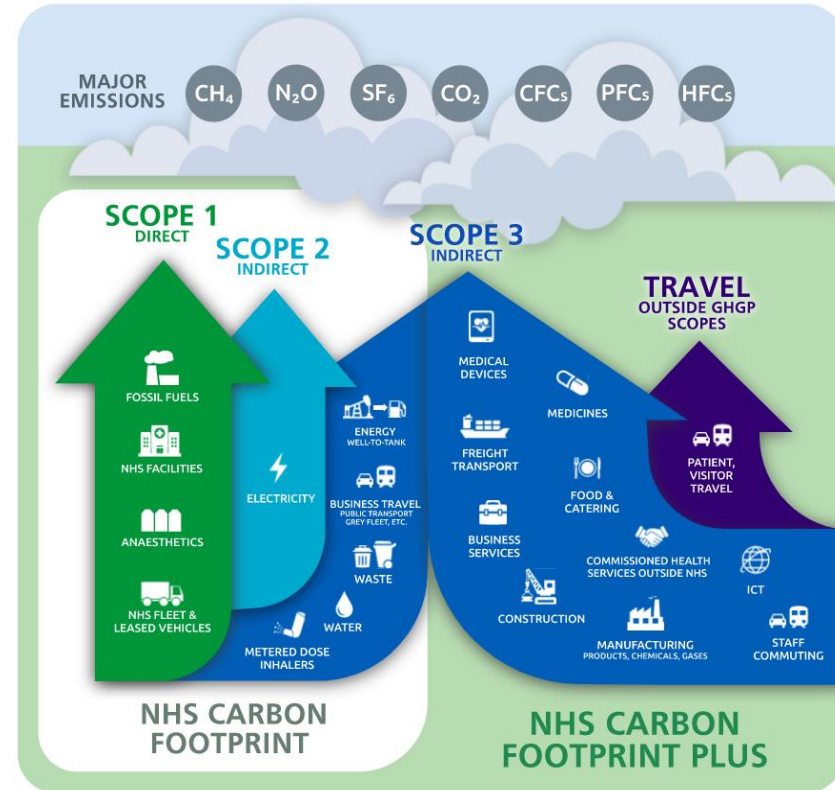
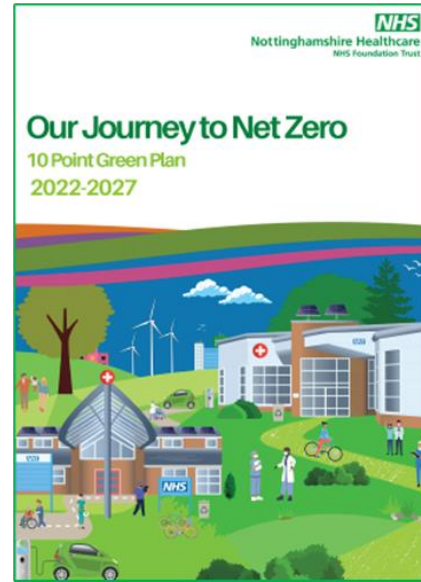
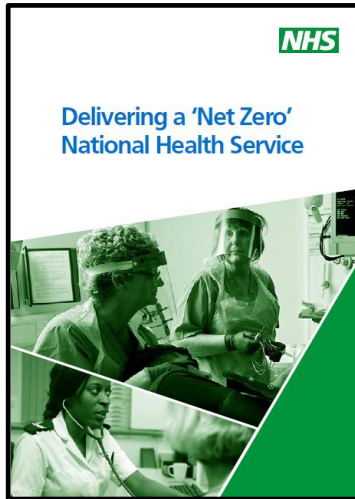
# Who am I?



- Head of Sustainability
- Chartered Environmentalist
- Full member of IEMA
- Over 20 years' experience



# Net Zero – what is it?



# Net Zero

## Why is it important?

### Healthcare causes climate change

- Energy
- Buildings
- Travel
- Food
- Waste
- Procurement
- Medicines



# Net Zero

## Why is it important?

### Climate change impacts Healthcare

- Extreme weather events
- Heat related mortality
- Air quality
- Food insecurity
- Patterns of disease
- Mental health and trauma



# Net Zero – What are we doing?

Strategy

## Performance

We maximise our potential and deliver best value by efficiently using our resources

- Finances
- Buildings
- Technology
- Net Zero

BAF

## Strategic Risk

SR3.4 - Failure to take all the actions within the green plan required to contribute to sustainability and the delivery of a greener Notts Healthcare

Carbon Footprint

## Monitoring and Accountability

- Carbon footprint
- Annual performance report
- Green Plan
- Net Zero Group
- Training Board members





### Our Energy

Transition to low/zero carbon solutions for the provision of energy services

- Reduce consumption
- Eliminate fossil fuels
- On-site generation
- Energy efficient behaviour
- Decarbonise heating systems



### Our Water

Reduce unnecessary water usage and use water efficiently

- Identify and report leaks
- Install water saving measures
- Improve monitoring and measurement
- Reduce bottled drinking water



# What have we done?



## Our Energy

- 100% renewable electricity since April 2019
- £5 million bid submission to decarbonise heat network at Rampton
- Board prioritised removal of gas as heating source



## Our Water

- On-going monitoring of water use
- Identifying leaks
- Water efficiency surveys





### Our Waste

Lean and efficient services where waste is managed to minimise environmental harm, prioritising prevention

- Increasing compliance
- Reducing the amount of general waste
- Increase re-use and recycling
- Waste prevention, re-usable alternatives



### Our Travel

Improved local air quality and reduced carbon emissions from travelling sustainably

- Electrification of fleet
- Initiatives to reduce business mileage
- Support staff travel schemes
- Review travel expenses policy





# What have we done?



## Our Waste

- Warp It – reuse scheme
- Improved compliance with an electronic audit system
- Waste e-learning module
- Composition analysis
- Introduced food waste
- No waste to landfill



## Our Travel

- Undertaken Fleet Survey and Analysis
- Installed electric vehicle charging points
- Salary sacrifice car lease scheme – hybrid or EV only
- Promote public transport and cycling facilities
- Staff travel passes
- Staff walking group





## Our Estate

A multi-purpose, biodiverse estate with greenspaces utilised by staff, patients and visitors

- Estates Strategy
- Encourage staff and patients to take part in projects e.g. big garden bird watch, big butterfly count
- Designing walking routes to connect with nature
- Tree planting



## Our Supply Chain

Partnership working to improve efficiency and eliminate carbon

- Locally sourced and use of SME's
- Target high consumption areas
- Substitute for more sustainable/lower carbon options
- Social value contract requirements



# What have we done?



**Our Estate**

- Planted > 4000 trees last year
- Space utilisation programme
- Implemented a Sustainability Impact Assessment for Capital Bids
- ISO14001 certified Environmental Management System



**Our Supply Chain**

- Move away from printing
- Warp-It re-use scheme
- Reduced the volume and variety of plastic cups



# Awards



## Green Hub

Nature and green space are good for our health and wellbeing. The Green Hub is a Nottinghamshire Healthcare resource designed to support everyone to spend more time in green space. [Visit our GreenSpace Nottingham Facebook page.](#)

### GreenSpace is the green social prescribing programme

Green social prescribing is a way of connecting people to nature-based activities and green groups, projects and schemes in their local community for support with health and wellbeing. There are plenty of nature-based activities you can get involved in without any referral.

The **Big Green Book** can now be accessed through the [Nottingham Community and Voluntary Service website](#). The book has been developed as part of the GreenSpace Green Social Prescribing Project and it is a directory of nature-based activities and opportunities around Nottingham City. It is designed to be used by social prescribers and healthcare workers who want to find activities for their clients, as well as individuals who are looking for an activity to get involved in. We are currently working on an edition of The Big Green Book for the county.

#### My year in the garden



There are always opportunities to tend to the garden or just sit back and watch the wildlife. Take a look at what activities you can be do in the garden/outdoor space each month.

[Go to My year in the garden](#) ➔

#### My green therapy



Find out more about the therapeutic benefits of gardening, walking and wildlife and activities you could get involved in for your green therapy.

[Go to My green therapy](#) ➔

#### Our green spaces



Nottinghamshire Healthcare is lucky to have some brilliant greenspaces. Find out where they are and see pictures of the how our Trust greenspaces are used.

[Go to Our green spaces](#) ➔





Tree planting at Rampton Hospital





## Our Food and Nutrition

Sourcing healthier, locally produced food to improve wellbeing and reduce carbon

- Source locally
- Seasonal food
- Plant based options
- Improve wellbeing
- Reduce food waste



## Our Care

Patient focussed, low carbon care

- Digital models of care
- Identify opportunities for low carbon alternatives
- Medicines management



# What have we done?



## Our Food and Nutrition

- Fairtrade Fortnight
- Sustainable Food Day
- Love Food Hate Waste Training
- Food Waste
- Increased plant based options



## Our Care

- Digitalisation of appointments
- Increasing number of Social/Green prescribing initiatives
- Numerous patient therapeutic gardens
- Provided sustainability information to patients at events







## Our People

Informed and engaged staff, patients, volunteers and carers empowered to deliver and receive sustainable healthcare

- Training offer
- Staff sustainability survey
- Taking action in areas of work
- Empowering staff to take action



## Our Climate

A resilient and robust service provision which responds to a changing climate

- Training of the Board
- A climate change risk assessment
- Develop a climate change adaptation plan



# What have we done?



## Our People

- Green Champions Network
- Green Impact
- GreenPods
- Involvement in Trust events
- Induction
- Job descriptions
- IEMA training – 1 day



## Our Climate

- Identified areas at risk of flooding
- Included actions within business continuity plans
- Trained members of the Board

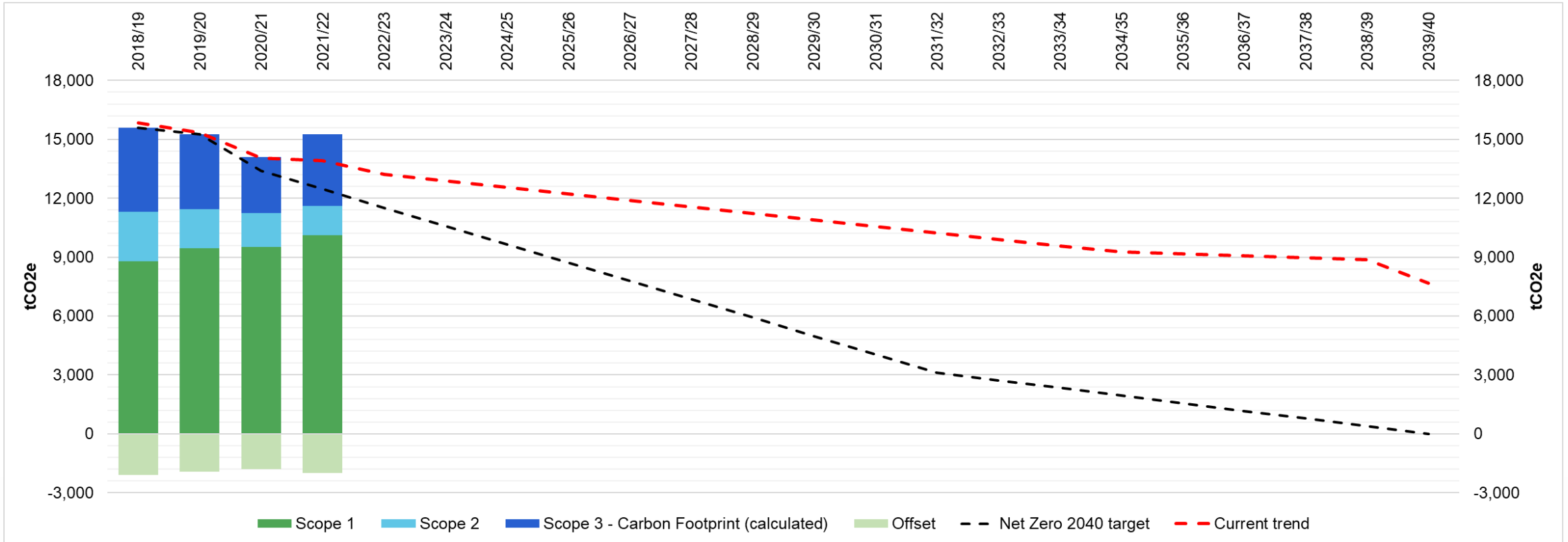




## Board Training



# Net Zero – where are we now?



# Our vision



**Integrated  
Care System**  
Nottingham & Nottinghamshire

Our neighbourhoods, places and system will seamlessly integrate to provide joined up care.  
**Every citizen will enjoy their best possible health and wellbeing.**





**Integrated Care System**  
Nottingham & Nottinghamshire

Nottingham and Nottinghamshire ICS							
Nottingham City PBP 396,000 population		South Nottinghamshire PBP 378,000 population		Mid Nottinghamshire PBP 334,000 population		Bassetlaw PBP 118,000 population	
8 PCNs		6 PCNs		6 PCNs		3 PCNs	
Nottingham and Nottinghamshire CCG						Bassetlaw CCG	
Nottingham University Hospitals NHS Trust				Sherwood Forest NHS Foundation Trust		Doncaster and Bassetlaw NHS Foundation Trust	
Nottinghamshire Healthcare NHS Foundation Trust (mental health)							
Nottingham CityCare Partnership (community provider)		Nottinghamshire Healthcare NHS Foundation Trust (community provider)					
East Midlands Ambulance NHS Trust							
Nottingham City Council (Unitary)		Nottinghamshire County Council					
		Broxtowe Borough Council	Gedling Borough Council	Rushcliffe Borough Council	Ashfield District Council	Mansfield District Council	Newark & Sherwood District Council
Voluntary and community sector input		Voluntary and community sector input		Voluntary and community sector input		Voluntary and community sector input	







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# Conclusions