



# **Green BIC Brunch**

## **Green Book Supply Chain 101**

24<sup>th</sup> February 2022, 12 noon (GMT)

Kindly sponsored by



*Book Industry Communication - putting sustainability at the heart of the book supply chain*

# Some housekeeping before we get started

- ✔ **Questions for speakers:** Questions will be invited after the presentations have finished. Please use the “Questions” or “Chat” boxes to submit your question to the organisers.
- ✔ **Recording:** This event is being recorded for BIC to use in its marketing and to allow people who are unable to attend this session today to still enjoy the event later. Unless invited to speak, attendees will not be identified in the recording.
- ✔ **BIC is a neutral members organization**
- ✔ **Social media:** We'll be tweeting during this event using the **#greenbicbrunch** hashtag.

# What is a Green BIC Brunch?

- ✔ Short online sessions
- ✔ Dedicated to the book industry supply chain's environmental impact, topics and issues
- ✔ Joins the book industry supply chain together in one place
- ✔ Focused on steps being taken by the book industry to make our supply chain greener
- ✔ Exploring and inspiring change in response to environmental challenges
- ✔ BIC's Green Promise

[#greenbicbrunch](#)

[bic.org.uk/99/What-are-BIC-Brunches?/](https://bic.org.uk/99/What-are-BIC-Brunches?/)  
[bic.org.uk/97/Upcoming-BIC-Brunches/](https://bic.org.uk/97/Upcoming-BIC-Brunches/)

# Agenda

12.00

## **Welcome and Introduction**

Karina Urquhart, Executive Director, BIC

12.05

## **A word from our sponsor, Publishing Scotland**

12.10

## **Green Book Supply Chain 101 with:**

- Emma Holak, Production Editorial Manager, Jessica Kingsley Publishers
- Gregory Fitzgerald, Business Services Manager, Bell & Bain Ltd
- John Thompson, Head of Site Services, HarperCollins Distribution
- Jaki Hawker, Academic Manager, Blackwell's Bookshops

13:10

## **Question and Answer**

13.30

## **Wrap up and close**

Karina Urquhart, Executive Director, BIC

# Who we are



BIC (Book Industry Communication Ltd) is at the heart of the book industry, creating standards, delivering best practice and improving margin.

If you are in the book industry supply chain, you need to be a member of BIC.



## Who we are



BIC is the dedicated book industry supply chain organisation in the UK and as such, the environment is naturally high on our priorities for 2022 and beyond.

#bicgreenhub @bic1uk

[bic.org.uk/225/BIC-Green-Hub/](https://bic.org.uk/225/BIC-Green-Hub/)

# Who we are



## **BIC's Green Supply Chain Committee BIC's Green Supply Chain Work Plan**

<https://www.bic.org.uk/233/Green-Supply-Chain-Committee/>

One of the 3 founder partners of the  
**International Green Book Supply Chain Alliance:**

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



## A word from our sponsor...

✔ Davinder Bedi, Publishing Scotland Board and CEO at BookSource



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# Over to our first speaker...

 **Emma Holak,**  
**Production Editorial Manager,**  
**Jessica Kingsley Publishers**

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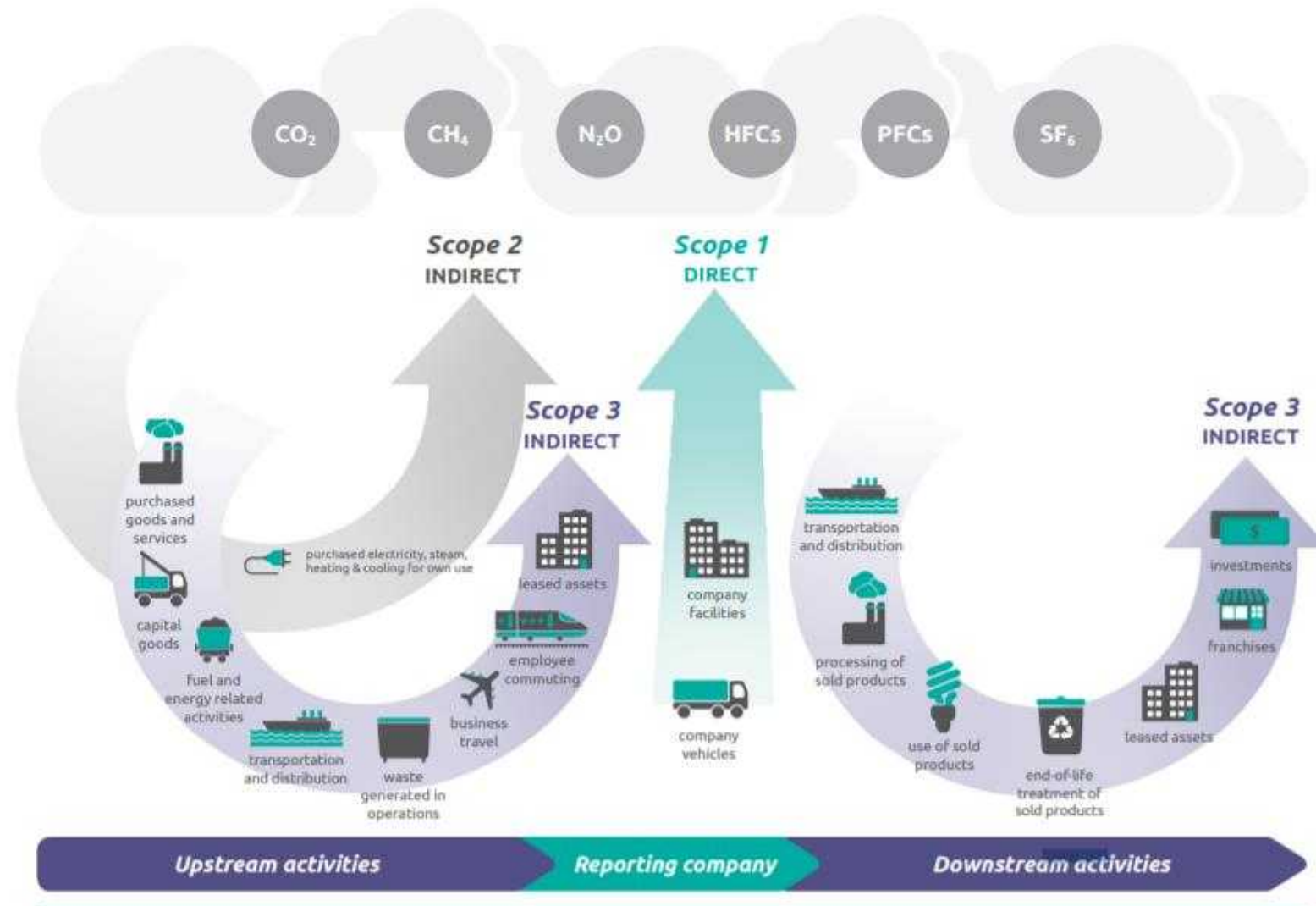


Carbon footprint project



# Hachette UK: carbon footprinting project

Figure [1.1] Overview of GHG Protocol scopes and emissions across the value chain

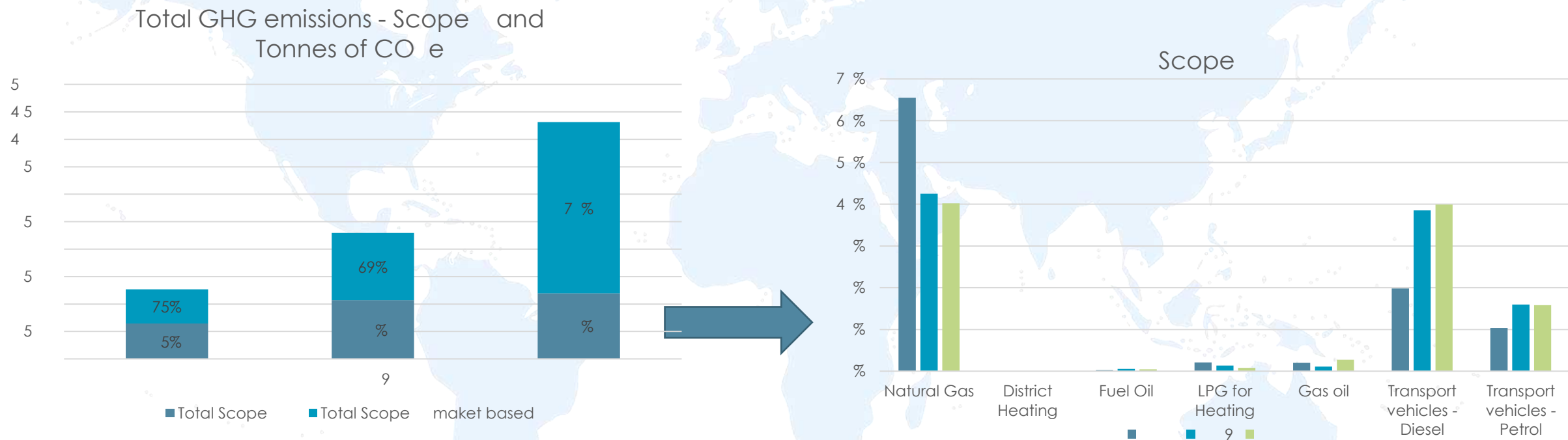


# Hachette UK carbon footprint: key indicators

| Hachette UK key KPIs   | Units (tonnes)         | 2020              | 2019              | 2018            |
|--|------------------------|-------------------|-------------------|-----------------|
| Scope 1  | CO <sub>2</sub> e      | 644.4             | 6.6               | 95.7            |
| Scope 2 location-based   | CO <sub>2</sub> e      | 6.96              | 44.46             | 667             |
| Scope 2 market-based *   | CO <sub>2</sub> e      | 6.7               | 7.99              | 7.5             |
| <b>Total (owned) operational carbon footprint location-based</b> | <b>CO<sub>2</sub>e</b> | <b>2,505.36</b>   | <b>3,312.83</b>   | <b>3,863.18</b> |
| <b>Total (owned) operational carbon footprint market based *</b> | <b>CO<sub>2</sub>e</b> | <b>1,266.18</b>   | <b>2,296.36</b>   | <b>4.6</b>      |
| Scope 3  | CO <sub>2</sub> e      | 49,776            | 5,967.9           |                 |
| <b>Scope 3 (% of overall)</b>                                    |                        | <b>98%</b>        | <b>98%</b>        |                 |
| <b>Hachette UK carbon footprint location based</b>               | <b>CO<sub>2</sub>e</b> | <b>152,379.12</b> | <b>162,276.62</b> |                 |
| <b>Hachette UK carbon footprint market based *</b>               | <b>CO<sub>2</sub>e</b> | <b>151,139.94</b> | <b>161,260.15</b> |                 |

\*Following sites with Smartest Energy % REC from April 9 - Mar : Hachette UK Jessica Kingsley Publishing LKP Hachette UK Distribution BookPoint LBS  
All those sites are UK based so for remaining UK locations applied UK residual mix factor and rest of countries the grid factor

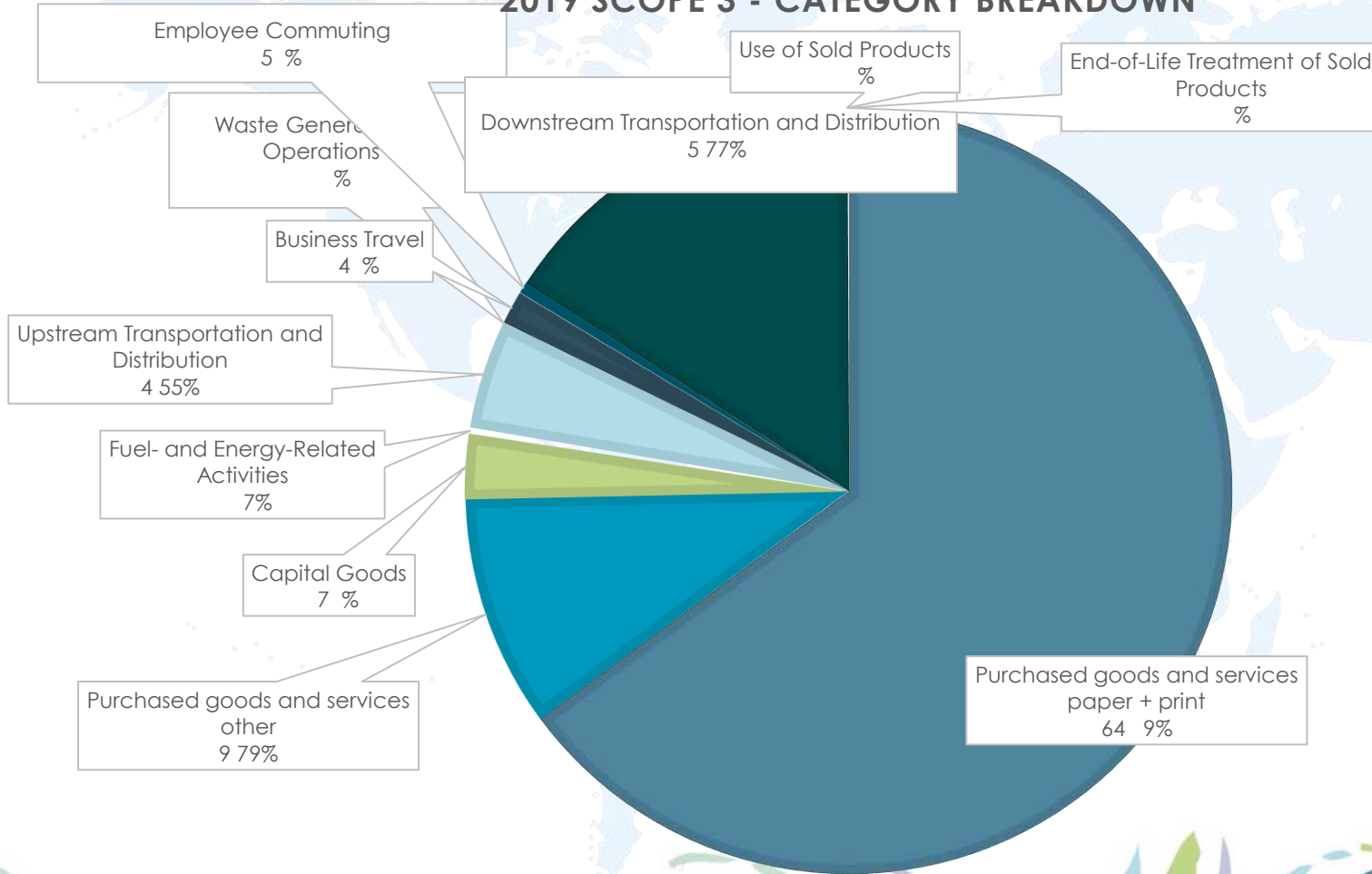
# Hachette UK Ltd: Energy and Carbon





# Scope – category breakdown

## 2019 SCOPE 3 - CATEGORY BREAKDOWN



# Key Actions to help us achieve our targets

## Scope and Initiatives: Minimum requirement 4 % reduction by

- Accelerate progress to % renewable energy supply for all HUK offices – achievable on electricity supplies
- Review of company car policy to only support electric vehicles or cash alternative where necessary
- Company travel policy to encourage use of public transport to reduce personal mileage claims on diesel / unleaded vehicles
- Encourage low energy use initiatives Eg switching off monitors using stairs in Carmelite and PIR lighting

## Scope Initiatives: Minimum requirement 5% reduction by

- Engagement with all suppliers to ensure more robust data supplied
  - Ensure all suppliers are working to same decarbonisation goals
  - Review of paper grades and mills to support and seek alternatives that have lower emissions factors Current data suggests large variations in suppliers emissions
  - Target waste reductions for paper usage:
    - Currently % of our paper is wasted in the manufacturing process Work with suppliers to encourage investment in more 'zero make ready' equipment Small gains in this area will have significant impacts on our reduction targets
    - Continue to focus on demand planning improvements with more accurate forecast Typically we over produce around - 5%
    - Work with retail partners to reduce returns and seek alternative methods to waste handling
- NB: SBTi does not accept offsets; we can consider these in tandem in due course but our primary focus has to be reduction

# Jargon busting

There is a lot of jargon surrounding the GHG emissions sector which can be confusing. Words are used interchangeably and sometimes differ depending on who is discussing them, but these are the definitions that we work to:

- **Carbon neutral:** You balance GHG emissions by offsetting an equivalent amount of carbon for the amount produced. For this, you can buy both types of offsets: 'avoidance' e.g. avoided emissions from not cutting down trees, or 'removal' e.g. planting trees. A commitment to carbon neutrality does not necessarily mean a commitment to reduce overall GHG emissions.  $BAU + \text{offsets} = \text{carbon neutral}$
- **Net-zero:** You reduce emissions as far as possible and balance **impossible to abate** emissions with carbon removal offsets only, not avoidance or reduction offsets – for more information on offsets, see slide 4
  - It is also important to bear in mind whether this is referred to as net-zero **carbon** emissions or net-zero **greenhouse gas** emissions. The latter goes further than the former.
- **Climate neutral:** This is the muddiest term and is used interchangeably to cover both the carbon neutral and net-zero definitions. We consider climate neutral to cover the same definition as carbon neutral, but it is specifically focused on having no impact on **anthropogenic** climate change more broadly.



# New principles / criteria: SBTi & Oxford

- SBTi Foundations for Science-Based net Zero Target Setting in the Corporate Sector Sept

- “The first global standard for net zero business”
- Wider set of criteria on science-based net zero targets which includes considerations on role & quality of offsets
- Consulting on current “foundations” paper to be developed into binding “criteria”



- Oxford Principles for Net Zero Aligned Carbon Offsetting Sept

- Developed by Oxford University's Smith School of Enterprise and the Environment
- Offsetting is a widely used tool but “current approaches to offsetting are unlikely to deliver the types of offsets needed to achieve global climate goals”
- Four principles outlining “credible net-zero aligned” offsetting



# Over to our second speaker...

 **Gregory Fitzgerald,**  
**Business Services Manager,**  
**Bell & Bain Ltd**

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# Green BIC Brunch - Green Book Supply Chain

BELL & BAIN LIMITED

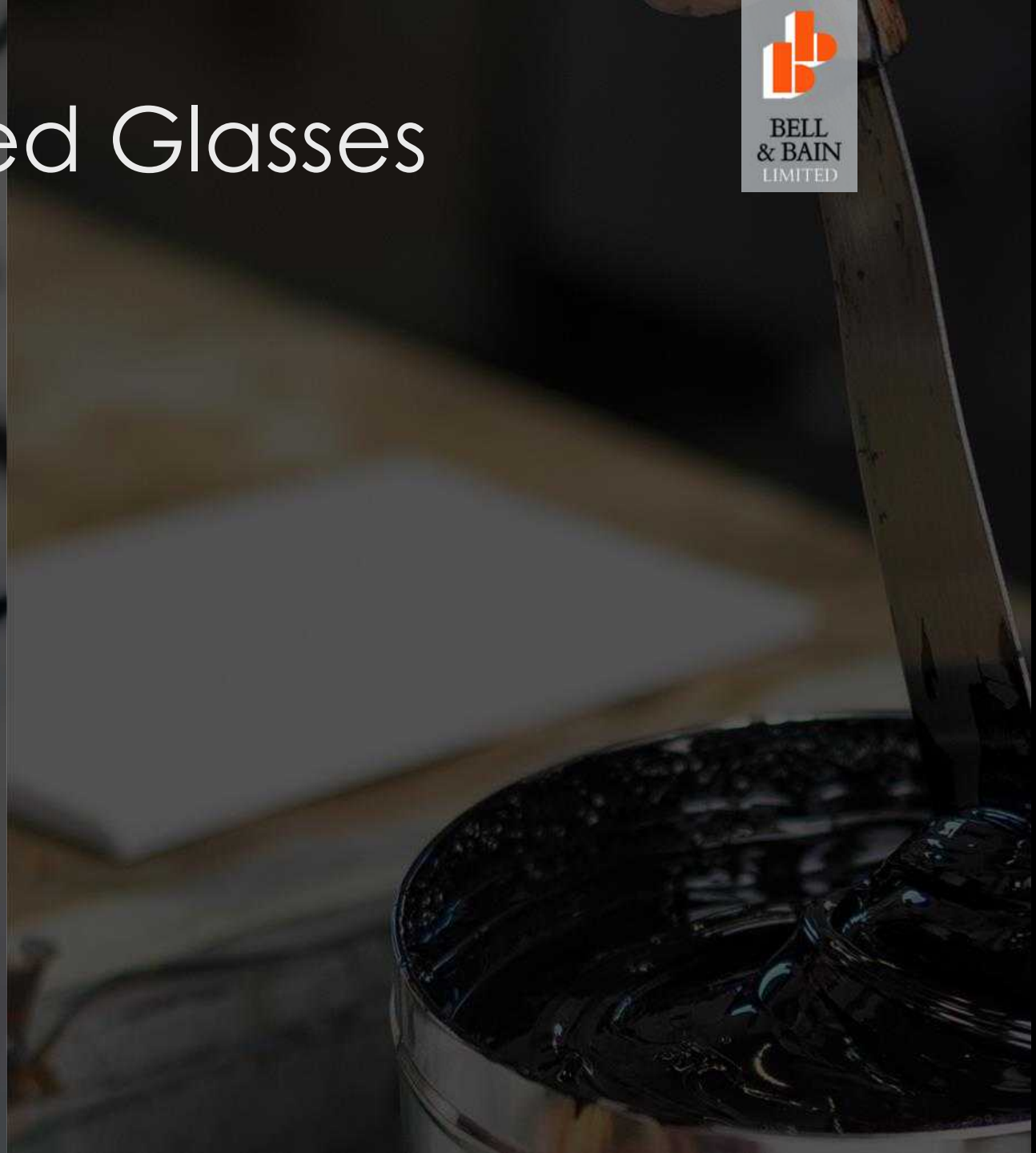
# Move With the Times

- Attitudes
- Our Journey
  - ...
  - ... 's...
  - ... and onwards
- The Industry



# Printing – Green Tinted Glasses

- ▶ Price
  - ▶ UK vs Overseas
- ▶ Quality
- ▶ Eco-Credentials
  - ▶ Uneven playing surface?





# 'Greener' Options



- ❑ Cost & Quality
  - ❑ Different Papers
  - ❑ Different Finishes
- ❑ No such thing as Green Ink!
  - ❑ Industry Journey
  - ❑ Petroleum / Vegetable / Water based

## Paper: Do You Think it Grows on Trees?

- Accreditations
- Sustainability



□ Availability: is there any?

□ Pandemic: Panic Buying

□ Cost

□ Over the worst of it?







# What next?

- ▶ Expecting the unexpected
  - ▶ Geopolitical Landscape
- ▶ Fail to prepare for more supply chain issues and prepare to fail
- ▶ Engage with your suppliers!

# Over to our third speaker...

 **John Thompson,**  
**Head of Site Services,**  
**HarperCollins Distribution**

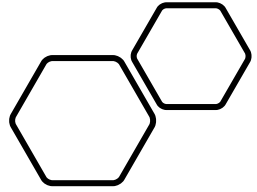
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## Environmental Actions & Awareness

John Thompson   Head of Site Services  
HCP Supply Chain

February 2022



# Site Services Environmental ocus

- ISO Overview.
- Environmental Development.
- Focus & Forward Opportunities.





## ISO ENVIRONMENTAL STATS – F21

- WATER: 28% LESS THAN F20 - 4,772,000 LITERS
- COPY PAPER: 30% LESS THAN OBJECTIVE
- ELECTRICITY: 315% LESS THAN F20
- GAS: 056% LESS THAN F20





# ISO ENVIRONMENTAL STATS – F21

- FY21 – WE RECYCLED OVER 97% OF ALL SITE WASTE
- THE GLASGOW TEAM ARE VERY PROUD TO BE OPERATING A “ZERO WASTE SITE”





## • **PACKAGING & PAPER**

- ALL PALLETES FOR OUR OPERATION ARE MADE FROM RECYCLED WOOD.
- ALL BROKEN PALLETES ARE RECYCLED.
- WE HAVE RECENTLY MOVED FROM PLASTIC PACKING TAPE TO PAPER TAPE AIDING OUR REDUCTION IN PLASTIC USE AND OUR IMPACT ON THE ENVIRONMENT FURTHER.
- VOID FILL: ONGOING TRIALS INFLIGHT.
  - CORE VOID FILL IS CURRENTLY COMPLETED USING PLASTIC AIR BAGS WITH A 50% RECYCLED CONTENT (WHICH IS 100% RECYCLABLE AT ITS END POINT).
    - PAPER OPTIONS UNDER REVIEW.

# MAKING WASTE SEPARATION AS USER FRIENDLY AS POSSIBLE – MAKING IT EASY TO DO THE RIGHT THING!

- REDUCE WASTE ITEM “TOUCHES” FROM GENERATION TO END POINT PROCESS..... REDUCING THE CHANCES OF CONTAMINATION
- HARMONISATION OF OUR SITE WIDE WASTE INFORMATION, SIGNAGE AND INTERNAL/EXTERNAL CONTAINERS – SAME BINS, SAME COLOURS ACROSS ALL SITE AREAS
- ON SITE GREEN AMBASSADOR DISCUSSION AND IDEA SHARE – SUPPORTED WITH THE NEW CROSS SITE CONVERSATION (NEWS BUILDING, HONLEY ETC)
- REGULAR AUDITING – CHECKING THE BINS!
  - GPS TRACKED SKIPS
- FORWARD TARGET OF MORE DETAILED MEASUREMENT AND REPORTING ON CONTAMINATION – SCORE BOARD/LEAGUE TABLE FOR THE DIFFERENT SITE AREAS





# Site Cleaning Development

Chemical Free Cleaning For All Core Activities – All Areas: Office & DC Space

## A PERMANENT FIXTURE THAT IS CONNECTED TO YOUR POWER & WATER SUPPLY

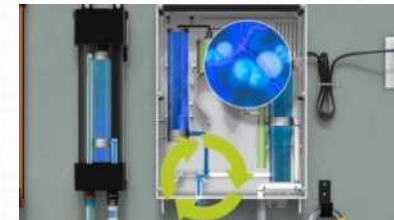
THE LOTUS® PRO IS A PERMANENT FIXTURE THAT IS MOUNTED ONTO THE WALL AND CONNECTED TO YOUR POWER AND WATER SUPPLY, ENABLING YOU TO CREATE STABILISED AQUEOUS OZONE WHENEVER YOU NEED

## STABILISED AQUEOUS OZONE IS CREATED AT THE PUSH OF A BUTTON

AT THE PUSH OF A BUTTON, COLD WATER IS AUTOMATICALLY ADDED TO THE STABILISATION MODULE COMPARTMENT, WHICH CHANGES THE MINERAL COMPOSITION OF THE WATER. IT IS THIS PROCESS THAT ALLOWS THE AQUEOUS OZONE TO STAY STABILISED FOR LONGER. THE WATER IS THEN PASSED THROUGH TO THE MAIN LOTUS® PRO UNIT, WHERE OXYGEN AND VOLTS OF ELECTRICITY IS ADDED, CONVERTING O<sub>2</sub> INTO O<sub>3</sub>. THIS CREATES STABILISED AQUEOUS OZONE.

## A HIGHLY EFFECTIVE CLEANER AND SANITISER FOR UP TO 24 HOURS

THE UNIT THEN DISPENSES THE STABILISED AQUEOUS OZONE INTO MOP BUCKETS, FLOOR SCRUBBERS OR SPRAY BOTTLES, PROVIDING YOU WITH A POWERFUL SANITISER AND CLEANER FOR 4 OR 24 HOURS, DEPENDING ON YOUR CARTRIDGE TYPE. IT IS WHILST IN THIS STABILISED FORM THAT THE COMPOSITION BECOMES HIGHLY EFFECTIVE, CLINGING TO DIRT, GRIME AND BACTERIA, **KILLING UP TO 99.999% OF HARMFUL CONTAMINANTS.** ONCE THE 4 OR 24 HOURS ARE UP, IT SIMPLY REVERTS TO NORMAL TAP WATER, AND YOU CAN POUR IT AWAY **WITHOUT ANY HARM AT ALL TO THE ENVIRONMENT.**



# RECENT DEVELOPMENTS AND SUCCESSES:

- WE HAVE REMOVED ALL SINGLE USE PLASTIC FROM OUR CATERING/CANTEEN SERVICE – NOW USING VEGWARE PREPARATION AND SELL CONTAINERS : ANY WASTE FOOD AND THE CONTAINER NOW GOES INTO THE FOOD BINS

[HTTPS://WWW.VEGWARE.COM/UK/](https://www.vegware.com/uk/)

Vegware is made from plants using renewable, lower carbon, recycled or reclaimed materials, and designed to be [commercially compostable](#) with food waste, where accepted Compostables are a practical solution for single-use food-contaminated disposables, allowing foodservice to achieve their sustainability goals



# WORKWEAR – 100% RECYCLED

- SITE SERVICE TECHNICAL, CLEANING AND WASTE TEAM COLLEAGUES – NOW HAVE RECYCLED WORKWEAR
- CURRENTLY EXPLORING OPTIONS FOR ALL DC STAFF TRANSITION WITHIN 2022

*The range currently under review is created from at least 15 plastic bottles per garment. The material goes through a process beginning with plastic bottles being collected from recycling centres to create fibres, produced and spun into thread, knitted or woven into fabric and finally made into the garments.*





## HarperCollins Top Sites (tonnes CO2e)



**#1: Glasgow, Scotland**  
Office/Distribution Center  
**3,630** *(15% reduction FY20 vs FY19)*



*Note: Glasgow uses green purchased electricity (wind & hydro, 35% of total footprint, or ~ 1,270 MT) which will be removed from its footprint next year once we have it third party verified)*





# LOWER CARBON TRANSPORTATION

- WE REMAIN COMMITTED TO DEVELOPING AND REDUCING OUR TRANSPORTATION FOOTPRINT AND CONTINUE REGULAR REVIEWS WITH OUR SUPPLIERS TO ENSURE WE CAN BENEFIT FROM THE INCREASE IN ELECTRIC FLEET TECHNOLOGY
- SOME RECENT PRODUCT DELIVERIES FROM EUROPE TO GLASGOW WERE COMPLETED VIA TRAIN VS ROAD
  - THIS METHOD OF TRANSPORT WILL HELP HARPERCOLLINS, WHICH RECENTLY BECAME A CARBON NEUTRAL COMPANY, TO REDUCE OUR EMISSIONS EVEN FURTHER
    - EACH CONTAINER – WHICH CARRIES UP TO 46 PALLETS OF BOOKS – SENT THIS WAY WILL SAVE 2 TONES OF CARBON OVER THOSE SENT USING SOLELY ROAD TRANSPORT

# 2022 – FORWARD FOCUS.....

- Explore opportunities of “all estate” green utilities tariffs
- Focus scope 3 framing
- Supplier engagement and influence – understanding our up and down stream impacts
- Fully frame the environmental benefit of the new distribution site in Glasgow
- Further develop our aspirations and objectives around Sustainable Supply Chain and HCP operations

## Scalable Takeaways:

1. **Green Utilities.**
2. **Remove Virgin Plastic – Great Paper & Recycled/Recyclable Plastic Products On The Market**
3. **Circular efficiency: Improving processes, material use, greener supply chains.**
  - *What gets measured gets managed.*


# ANY QUESTIONS???



If you need any information or further guidance, please let us know we would love to hear from you:

- [SiteServicesHelpdeskGlasgow@harpercollins.co.uk](mailto:SiteServicesHelpdeskGlasgow@harpercollins.co.uk)

# Over to our final speaker...

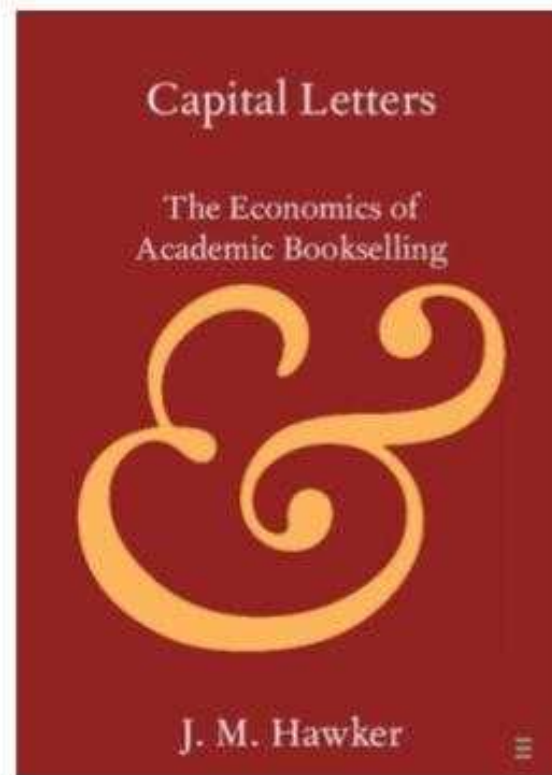
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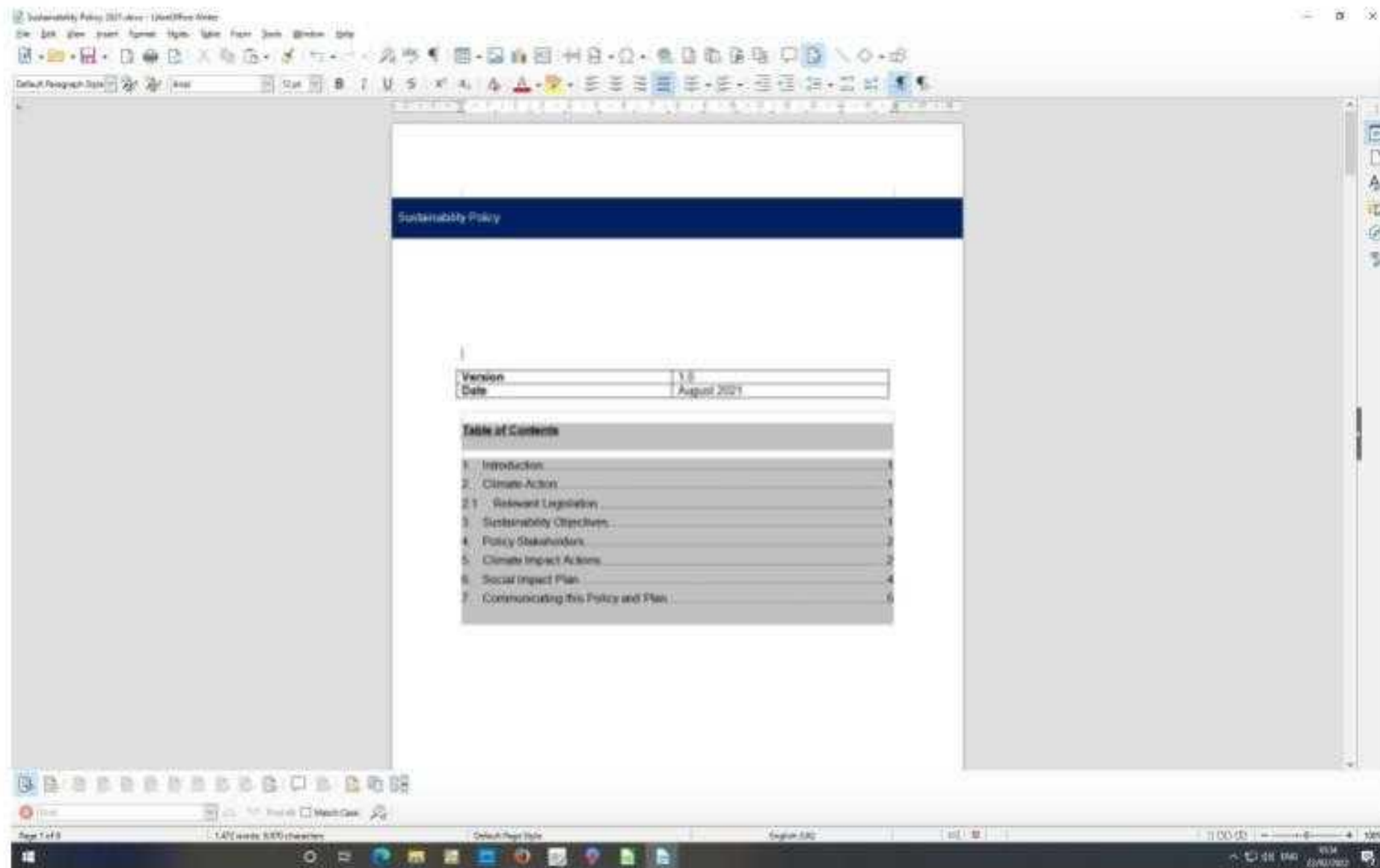
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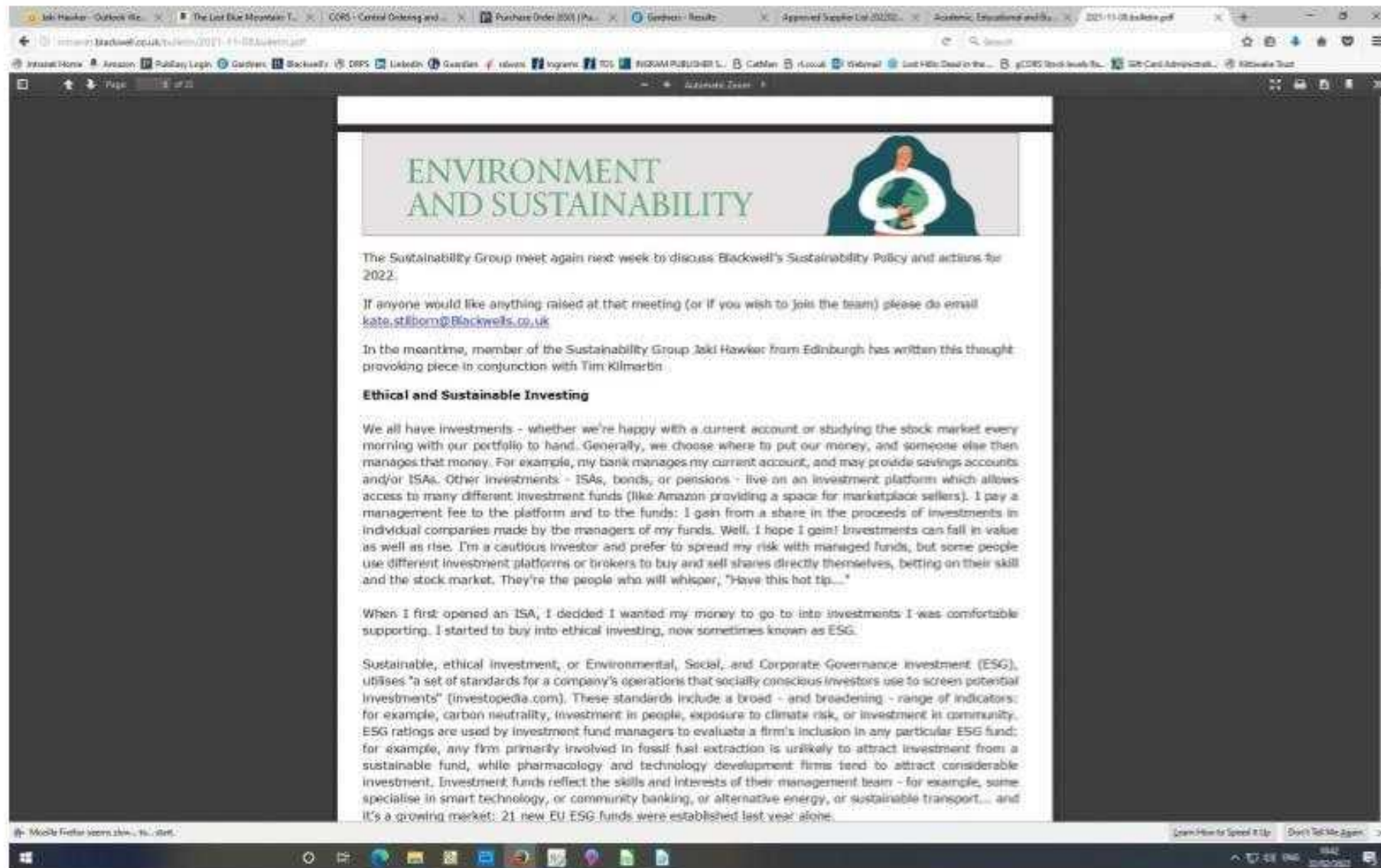


# BLACKWELL'S



















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