

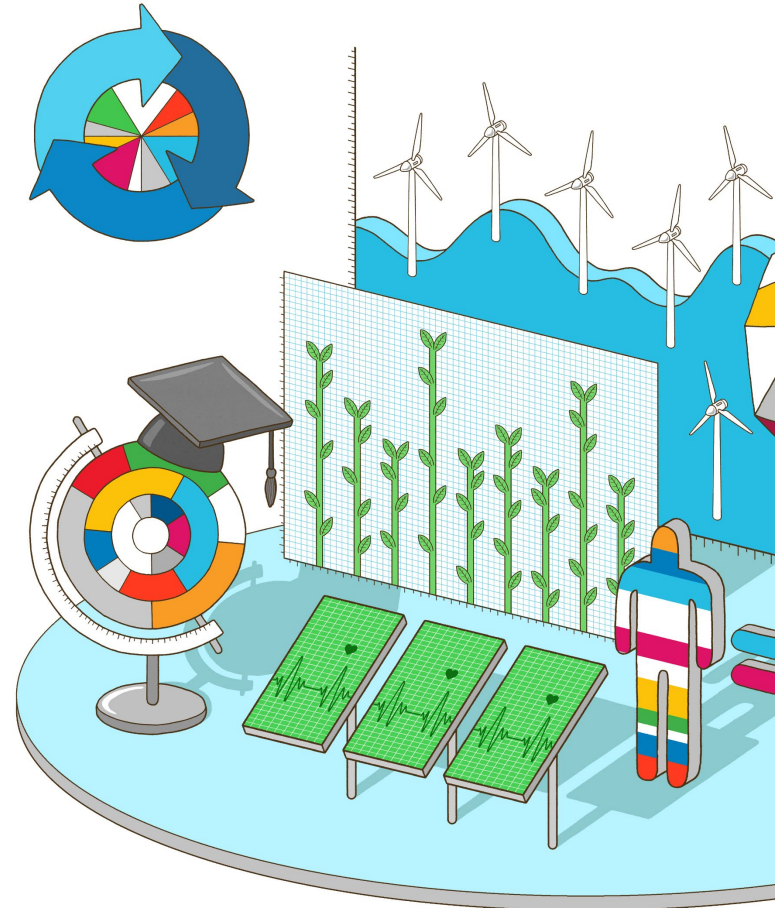


ELSEVIER

Elsevier's climate action program

Our journey towards becoming net zero by 2040

Rachel Martin, Global Director of Sustainability
2023



Lesson 1. Set your north star: the SDGs are a good framework

SUSTAINABLE DEVELOPMENT GOALS

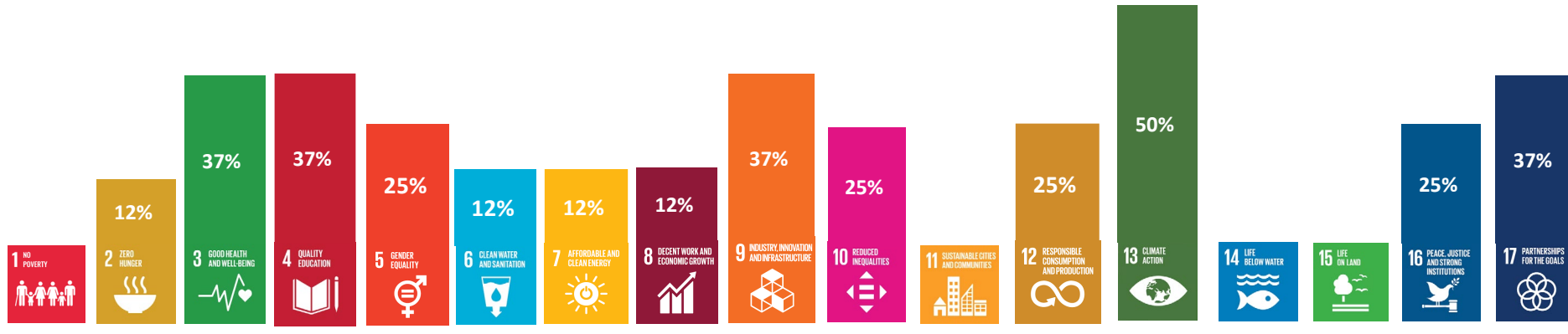


<https://www.un.org/sustainabledevelopment/sdg-publishers-compact/>

<https://sdg.internationalpublishers.org/>

Our sector has a unique contribution to make: “good binds a society, great culture shapes it”

- **Unique contribution:** Initial research in academic publishing suggests a focus on climate but also health, education, innovation and partnerships.
- **Innovation is critical:** Investors care about "responsible business", but customers care about our products
- **Wholistic approach:** Social and human elements sit alongside other “traditional” sustainability elements

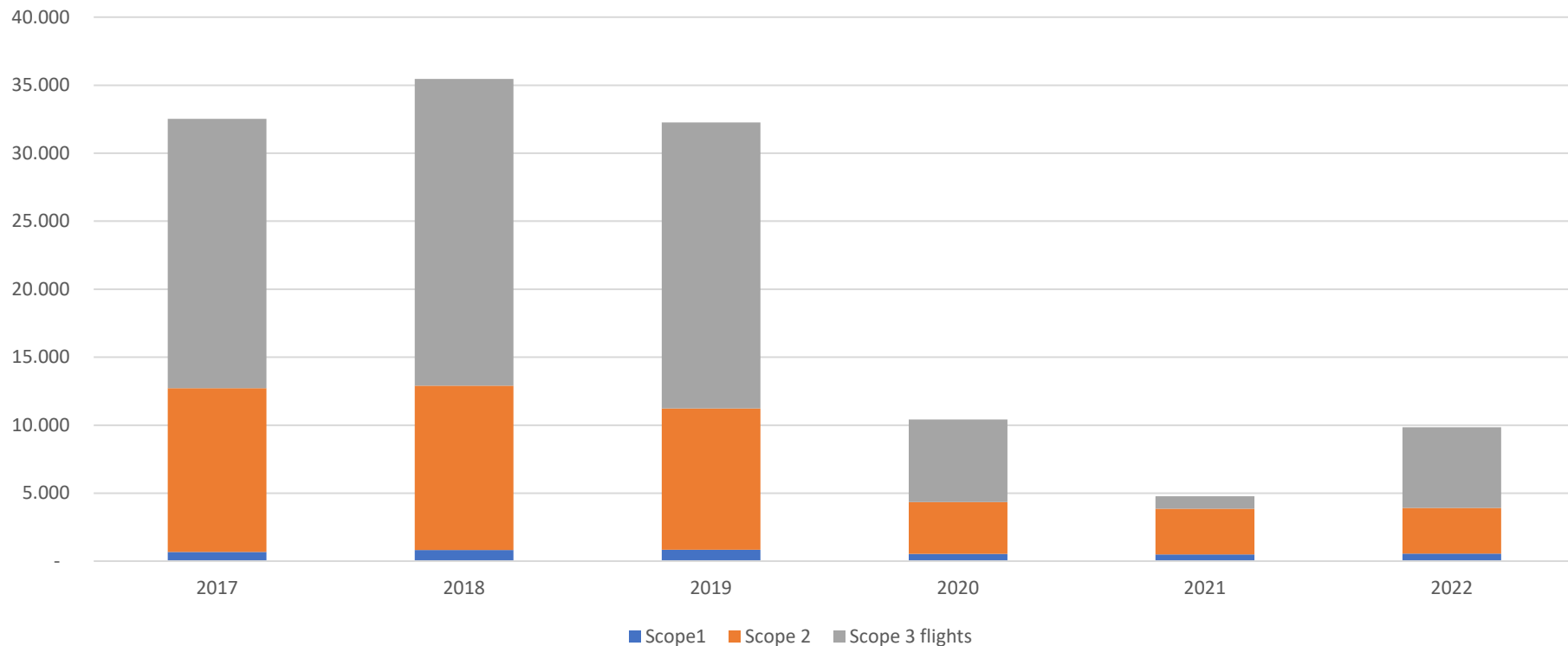


*Competitors evaluated are Wiley, Taylor & Francis, Springer Nature, Clarivate, Wolters Kluwer, MDPI and American Chemical Society. We also included Elsevier in these percentages.

Lesson 2: Start with the “E”: address your direct emissions

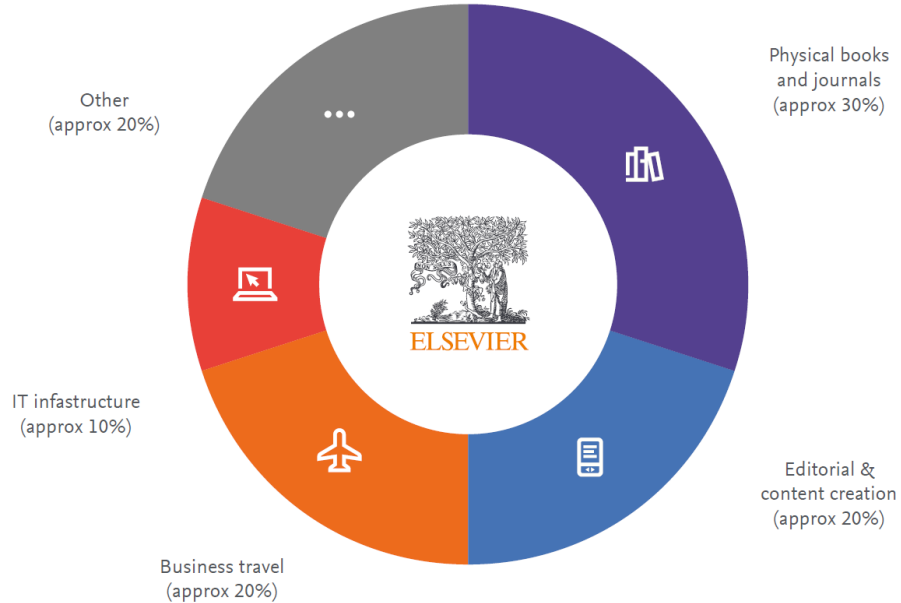


We have made real progress: Elsevier has had a 70% reduction in direct emissions + flights since 2017 (tCO₂e)



Lesson 3: Focus on the data: and get started!

Estimated carbon emissions profile



Cloud applications and increasing efficiencies

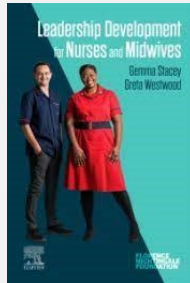
Responsible travel targets & incentivizing electric travel

Press Zero & Publishing 2030 Accelerator

Data gathering & methodology

* Preliminary emission categories cover Scope 1, Scope 2 and preliminary estimates for Scope 3 with the exclusion of end-of-life

Lesson 4: Forget perfect: carbon methodologies are not (yet) an exact science



1.2 kg CO₂

Learn more about the carbon impact.



9780323870498

1.4 kg CO₂

Learn more about the carbon impact.



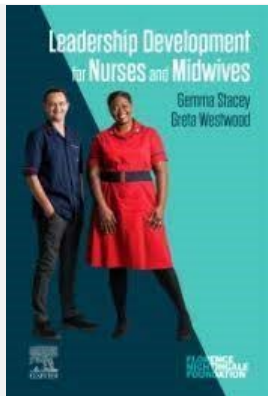
9783437236853

2.1 kg CO₂

Learn more about the carbon impact.



9783437230660



Carbon emissions for Leadership Development for Nurses and Midwives

Gemma Stacey, Greta Westwood

Publisher: Elsevier
ISBN: 9780323870498

Emission specification

1.2 kg CO2e

emissions (kg CO2e)

Content creation	0.28 kg
Paper production	0.35 kg
Printing	0.13 kg
Transport & Retail	0.25 kg
End of life	0.20 kg

What does this emission mean in terms of everyday activities?



6.1 km

of travel by car*

* Assuming emissions of a 2020 Toyota Corolla as reference



8.2 km

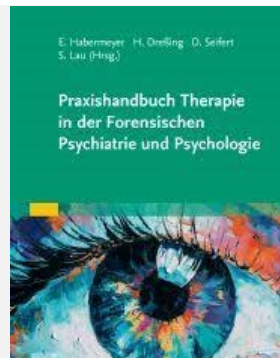
of travel by plane



7.2 hours

of watching TV

Sources: co2everything.com, How bad are bananas by Mike Berners-Lee



Praxishandbuch Therapie in der Forensischen Psychiatrie und Psychologie

E. Habermeyer, H. Dreßing, D. Seifert, S. Lau (Hrsg.)

Publisher: Elsevier
ISBN: 9783437230660

Emission specification

2.1 kg CO2e

emissions (kg CO2e)

Content creation	0.53 kg
Paper production	0.71 kg
Printing	0 kg
Transport & Retail	0.23 kg
End of life	0.63 kg

What does this emission mean in terms of everyday activities?



10.7 km

of travel by car*

* Assuming emissions of a 2020 Toyota Corolla as reference



14.4 km

of travel by plane



12.6 hours

of watching TV

Sources: co2everything.com, How bad are bananas by Mike Berners-Lee

Lesson 5: carbon is not the enemy: we must think about being “net positive”

Recycling can release huge quantities of microplastics, study finds

Scientists find high levels of microplastics in wastewater from unnamed UK plant - and in air surrounding facility



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— BOEKENCLUB —



Thank you

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