



Wellbeing and Future (Multispecies) Generations



Prifysgol Cymru
Y Drindod Dewi Sant
University of Wales
Trinity Saint David

Lecture Outline

- **Paper Discussion: Multispecies Sustainability**
- Terminology
- Well-being of Future Generations (Wales) Act 2015
- A new wellbeing act (activity)

Paper Discussion

Global Sustainability

cambridge.org/sus

Intelligence Briefing

Cite this article: Rupprecht CDD *et al.* (2020). Multispecies sustainability. *Global Sustainability* **3**, e34, 1–12. <https://doi.org/10.1017/sus.2020.28>

Received: 16 December 2019

Revised: 21 June 2020

Accepted: 7 October 2020

Key words:

earth systems; interdependence; more-than-human; policies; politics and governance; system control and optimization

Author for correspondence:

Christoph D. D. Rupprecht,
E-mail: crupprecht@chikyu.ac.jp

Multispecies sustainability

Christoph D. D. Rupprecht¹ , Joost Vervoort^{1,2,3}, Chris Berthelsen⁴, Astrid Mangnus^{2,5}, Natalie Osborne⁶, Kyle Thompson⁷, Andrea Y. F. Urushima⁸, Maya Kóvskaya⁹, Maximilian Spiegelberg¹, Silvio Cristiano¹⁰, Jay Springett¹¹, Benedikt Marschütz¹², Emily J. Flies¹³, Steven R. McGreevy¹ , Lařyna Droz¹⁴, Martin F. Breed¹⁵ , Jingchao Gan¹⁶, Rika Shinkai¹ and Ayako Kawai¹⁷

¹Research Department, Research Institute for Humanity and Nature, Kyoto, Japan; ²Copernicus Institute of Sustainable Development, Utrecht University, Utrecht, Netherlands; ³Environmental Change Institute, University of Oxford, Oxford, UK; ⁴Activities and Research in Environments for Creativity, Aotearoa, Auckland, New Zealand; ⁵Urban Futures Studio, Utrecht University, Utrecht, Netherlands; ⁶School of Environment and Science, Griffith University, Nathan, Queensland, Australia; ⁷Faculty of Geosciences, Utrecht University, Utrecht, Netherlands; ⁸Center for Southeast Asian Studies, Kyoto University, Kyoto, Japan; ⁹Department of Social Science & Development, Chiang Mai University, Chiang Mai, Thailand; ¹⁰Department of Environmental Science, Informatics and Statistic, Ca' Foscari University of Venice, Venezia, Veneto, Italy; ¹¹Institute of Atemporal Studies, London, UK; ¹²Independent Scholar, Utrecht, Netherlands; ¹³School of Natural Sciences, University of Tasmania, Hobart, Tasmania, Australia; ¹⁴Graduate School of Global Environmental Studies, Kyoto University, Kyoto, Japan; ¹⁵College of Science and Engineering, Flinders University, Adelaide, South Australia, Australia; ¹⁶Graduate School of Humanities, Nagoya University, Nagoya, Aichi, Japan and ¹⁷Fenner School of Environment & Society, Australian National University, Canberra, Australian Capital Territory, Australia

Paper Discussion



Initial thoughts on paper?



What was the purpose of the paper?

A stack of papers and folders is shown in the upper left corner of the image. The papers are off-white or light beige, and the folders are a light blue color. They are stacked in a way that shows the edges of the pages and the tabs of the folders. The background is a solid dark blue color.

Paper Discussion

How is this paper structured? What are its key parts?



Paper Discussion

- Thoughts on terminology. Is there anything you have not heard of before?
- What are its key arguments?

Paper Discussion

- Building on a definition of multispecies sustainability?



A pair of black-rimmed glasses with round lenses is resting on an open book. The book has a red bookmark visible on the left side. The background is blurred, showing more of the book and a wooden surface.

Paper Discussion

Explain and describe Figure 5.

Paper Discussion

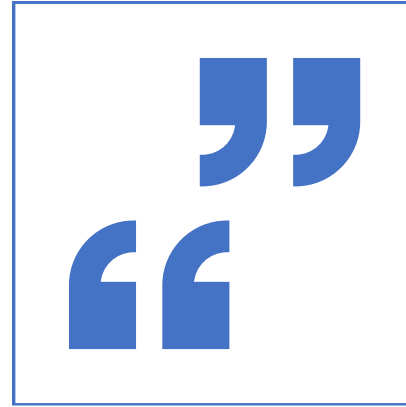
- Multispecies stakeholder policy framework (Figure 6).



Paper Discussion



Impact of COVID on
multispecies sustainability?



Critique?

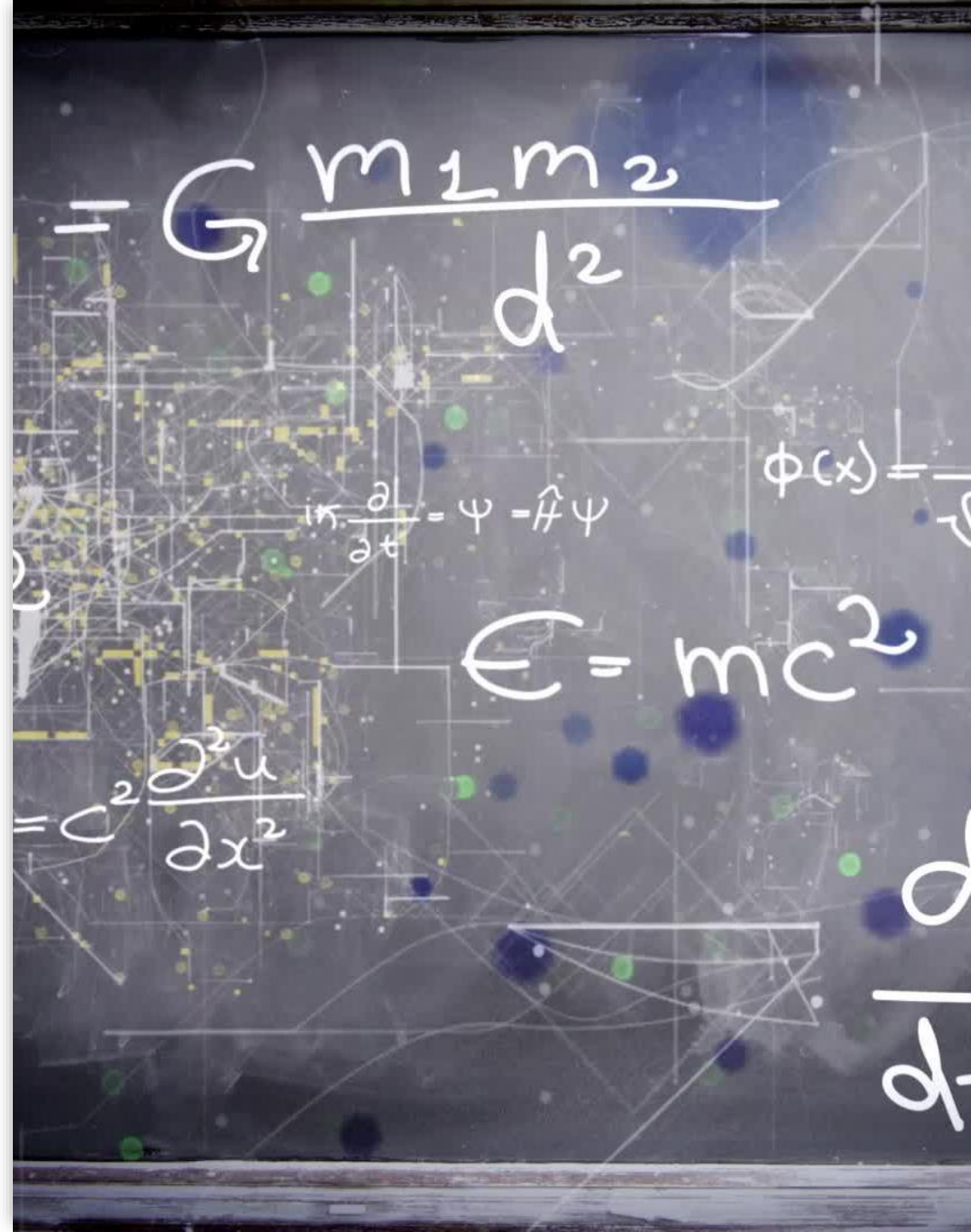


- Folke, C., Biggs, R., Norström, A. V., Reyers, B., & Rockström, J. (2016). Social-ecological resilience and biosphere-based sustainability science. *Ecology and Society*, 21(3).
<http://www.jstor.org/stable/26269981>

Suggested Reading

Terminology

- Neoliberal
- Neofacist
- Reductionism
- Interdependent
- *Ibid.*,
- Cartesian dualism.



A top-down view of a collaborative workspace. Several people are seated around a table, their hands and arms visible as they work. The table surface is covered with hand-drawn diagrams and sketches. A large yellow circle in the center contains a lightbulb with three lightning bolts above it. Surrounding this central circle are various other elements: a red circle with an open book, a blue circle with an eye, a green circle with a computer monitor, and a brown circle with a coffee cup. Dashed lines and arrows connect these elements, suggesting a flow of ideas or a process. There are also puzzle pieces, gears, and a magnifying glass drawn on the table. The overall atmosphere is one of creative collaboration and problem-solving.

Ideas

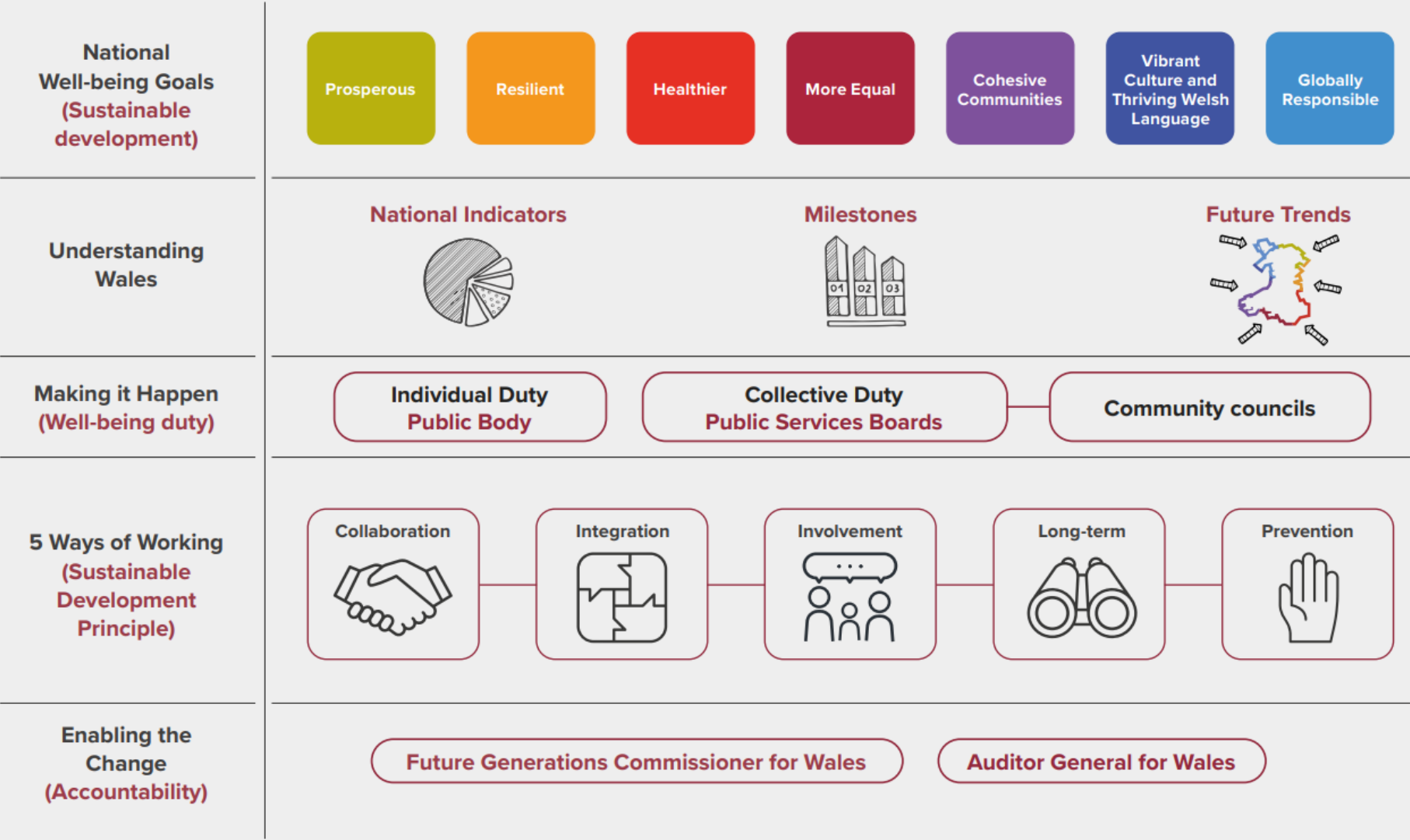
Perceived generational conflict?

Well-being of Future Generations (Wales) Act 2015

- Click and explore the following links:
- [160401-wfg-accessible-guide-for-young-people-en.pdf \(futuregenerations.wales\)](#)
- [42329 WBFG Essentials Guide \(gov.wales\)](#)



Well-being of Future Generations Act Architecture



Well-being goals

The seven well-being goals ('the goals') show the kind of Wales we want to see. Together they provide a shared vision for the public bodies listed in the Act to work towards. They are a set of goals; the Act makes it clear the listed public bodies must work to achieve all of the goals, not just one or two.

Prosperous

An innovative, productive and low carbon society which recognises the limits of the global environment and therefore uses resources efficiently and proportionately (including acting on climate change); and which develops a skilled and well-educated population in an economy which generates wealth and provides employment opportunities, allowing people to take advantage of the wealth generated through securing decent work.

Resilient

A nation which maintains and enhances a biodiverse natural environment with healthy functioning ecosystems that support social, economic and ecological resilience and the capacity to adapt to change (for example climate change).

Healthier

A society in which people's physical and mental well-being is maximised and in which choices and behaviours that benefit future health are understood.



**LLESIANT
CENEDLAETHAU'R DYFODOL
WELL-BEING OF
FUTURE GENERATIONS**

More Equal

A society that enables people to fulfil their potential no matter what their background or circumstances (including their socio economic background and circumstances).

Globally Responsible

A nation which, when doing anything to improve the economic, social, environmental and cultural well-being of Wales, takes account of whether doing such a thing may make a positive contribution to global well-being.

Vibrant Culture and Thriving Welsh Language

A society that promotes and protects culture, heritage and the Welsh language, and which encourages people to participate in the arts, and sports and recreation.

Cohesive Communities

Attractive, viable, safe and well-connected communities.

[42329 WBFG
Essentials Guide
\(gov.wales\)](#)

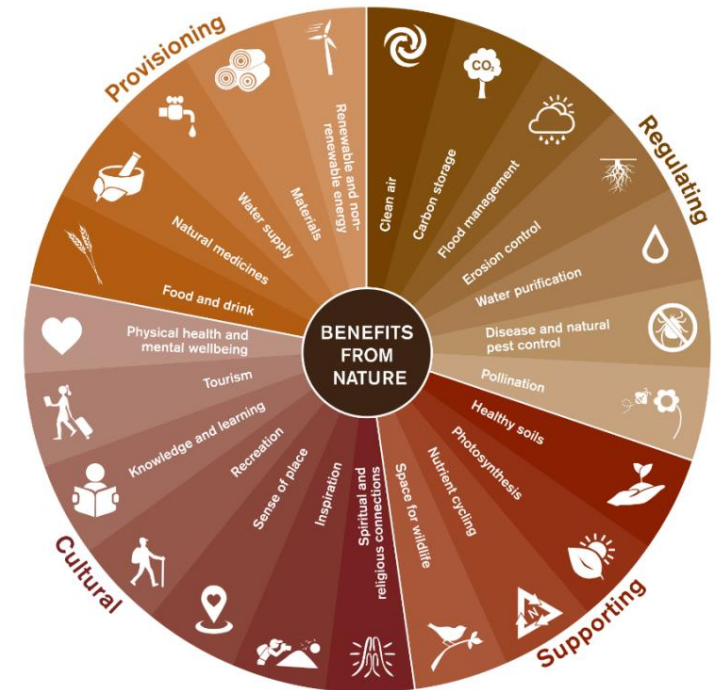
Activity

- In pairs, provide a similar outline, or structure to develop and implement:
- **Wellbeing of Future Multispecies Generations Act**

Activity

- In pairs, provide a similar outline, or structure to develop and implement:
- **Wellbeing of Future Multispecies Generations Act**

Remember ecosystem service categories



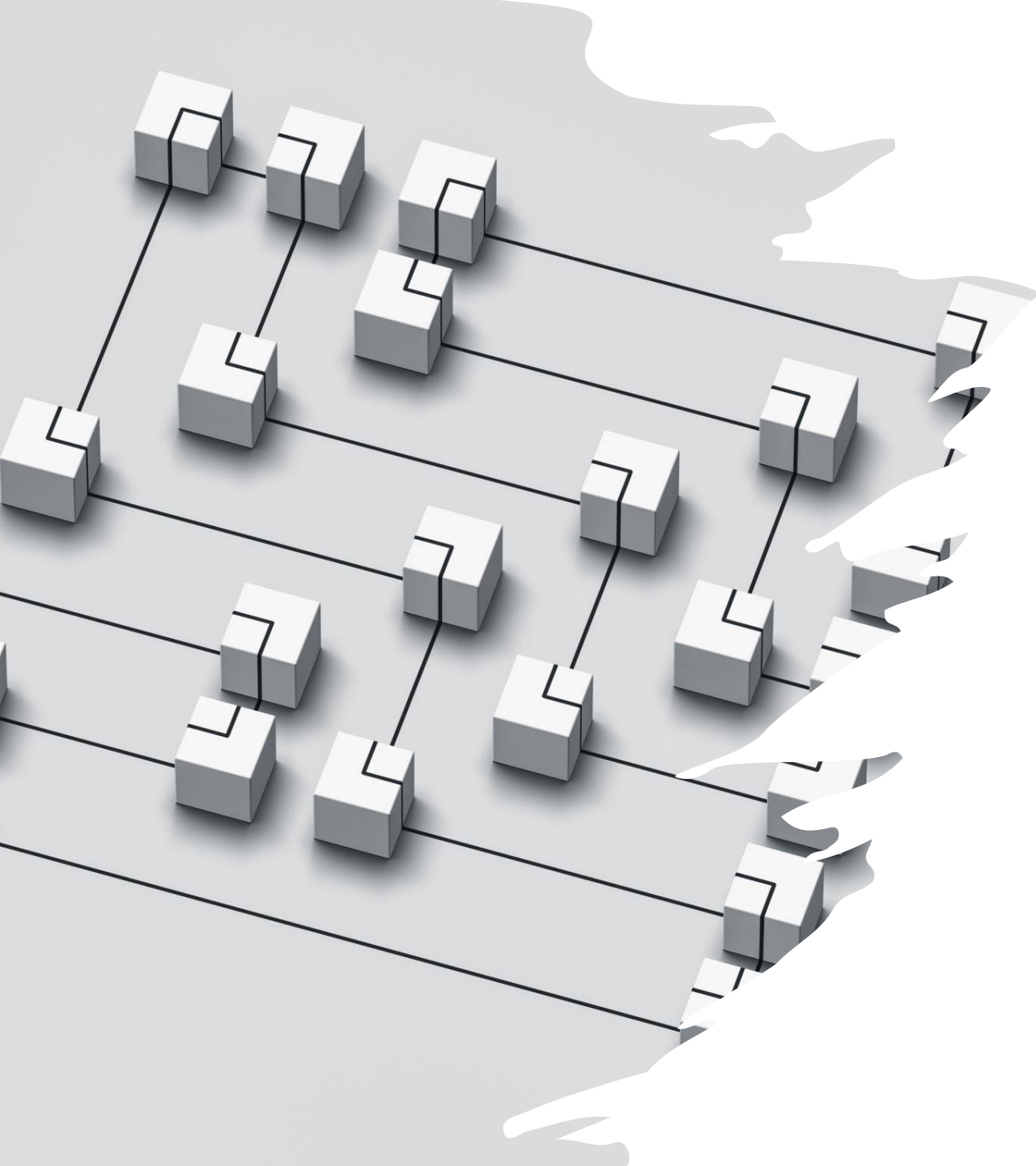


5 minute break



The dirty dozen...

- [Top Littered Packaging Companies in the UK Revealed: Coca-Cola Leads the List \(edie.net\)](#)



Activity

- In collaboration with L6 Remote Sensing and GIS we will be conducting a short fieldwork session to characterise litter.
- 2 locations (marine and fluvial pathways); GIS team will be designing data collection strategy (e.g. survey protocol, database design, attribute table today) to collect appropriate information.
- **Positive ID on brands/ Company.**

Next Week

+
•
○

Litter Mapping and Management
(meet at Reception 1pm).

- Corporate Social Responsibility (CSR)
- We will be back at 2:45pm.

Tasks

- To do: Download Mergin Maps

[Mergin Maps: Collect, Share and Publish your Geo-Data Easily](#)



Further Reading

- Reconceptualising Justice: [Concepts of practice and multispecies justice - Sydney Environment Institute](#)
- Celermajer, D., McKibbin, P. Reimagining Relationships: Multispecies Justice as a Frame for the COVID-19 Pandemic. *Bioethical Inquiry* (2023). <https://doi.org/10.1007/s11673-023-10280-5>. Link: [Reimagining Relationships: Multispecies Justice as a Frame for the COVID-19 Pandemic | Journal of Bioethical Inquiry \(springer.com\)](#)
- Intergenerational Multispecies Justice: [AHR71_05a_Celermajer.pdf \(australianhumanitiesreview.org\)](#)