

How can our cities thrive? The case for the circular economy and the built environment

Webinar
4 October 2024

Thanks for joining.
This webinar will
begin shortly





Welcome

Ed Protheroe
Strategy Consultant
AREF

Moderator Welcome

Melville Rodrigues
Head of Real Estate
Advisory, Apex Group
& Co-Ordinator,
Real Estate Association
ESG Working Group



Sustainability Challenge: Global Real Estate

“The operations of buildings account for 30% of global final energy consumption and 26% of global energy-related emissions (8% being direct emissions in buildings and 18% indirect emissions from the production of electricity and heat used in buildings).”

iea50



Energy system / Buildings

Buildings



City of Amsterdam



Our City of Tomorrow

BBC REEL



Presenters:



Lianne Hulsebosch
Sustainable Urban
Development
Strategist, City of
Amsterdam



Alice Teboul
ESG Manager
Property Investments
Columbia Threadneedle



Chris Brown
Managing Director
Climatise



Gemeente
Amsterdam

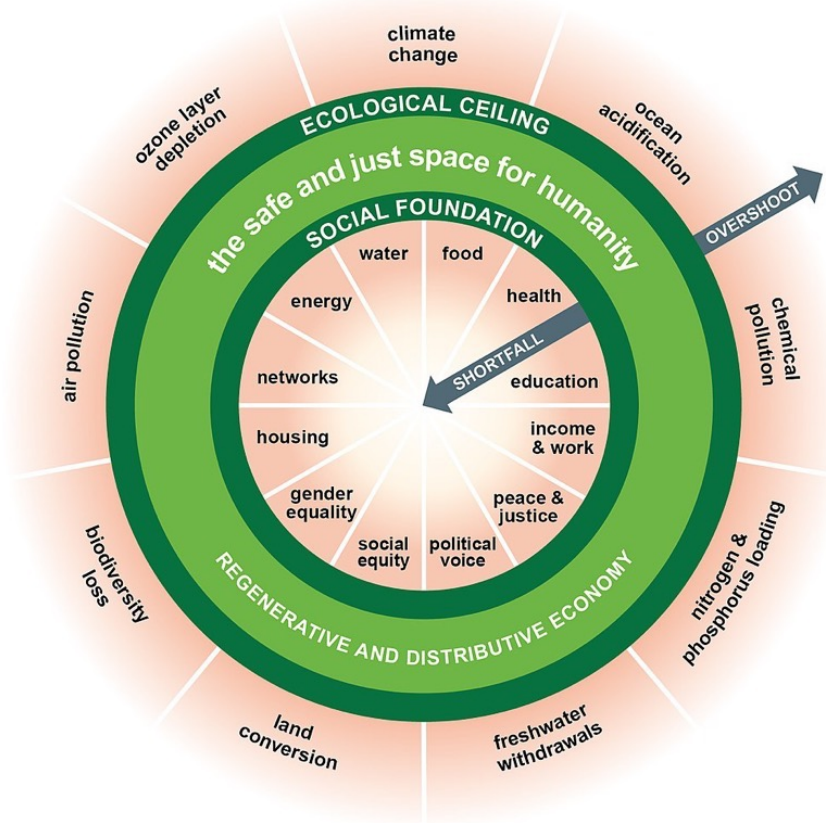
How is Amsterdam implementing doughnut economics for the built environment?

Lianne Hulsebosch

4-10-2024



Doughnut Economics (1/2): Inspiration and framework for Amsterdam

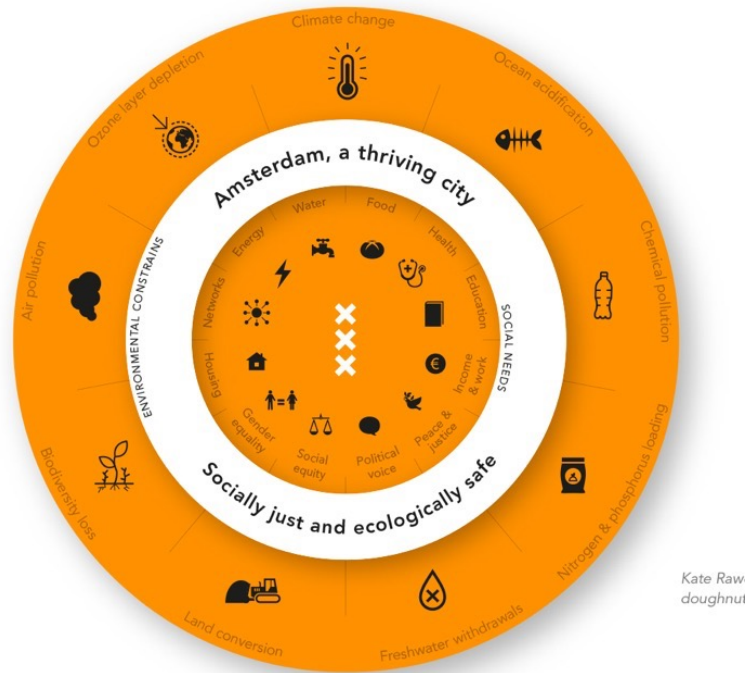


- The model describes how societies and businesses can shift their economy, respecting the boundaries of the planet and strengthening the social foundation
- The inside of the doughnut represents the social foundation
- The outside of the doughnut represents the ecological limits of the planet



Doughnut Economics (2/2):

Four lenses: social and environmental, local and global



The City Doughnut is a testing framework

	social	environmental
local	What does it mean for the people of Amsterdam to flourish? 1	What does it mean for Amsterdam to flourish within its natural environment? 2
global	What does it mean for Amsterdam to respect the well-being of people worldwide? 3	What does it mean for Amsterdam to respect the health of the entire planet? 4

Four perspectives

XXX What does Amsterdam Do? : goals & implementation



Main objectives

2030

50% reduction of primary raw resources

2050

100% circular and climate neutral

Interim objectives municipality

2022

10% of the city's procurement will be circular

2023

all tenders in the built environment will be circular

2026

Every civil servant knows how to work circular

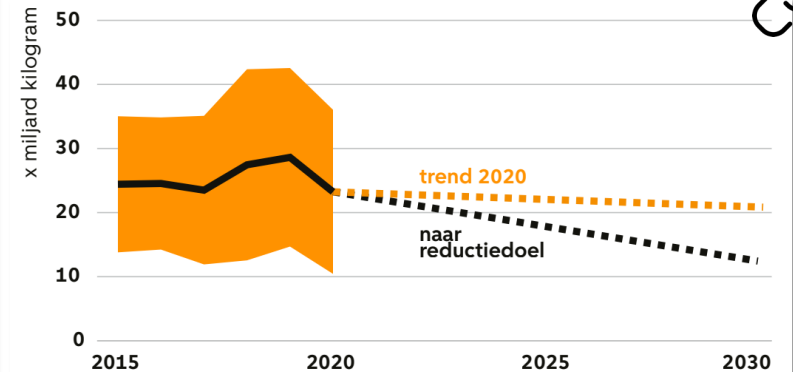


✘ A tremendous challenge to stay in our ✘ planetary boundaries

✘ Implementation Agenda for the Circular Economy 2023-2026



"The use of raw materials is not decreasing, or not enough, to reach half of the current raw material use by 2030. As a result, we will not achieve the national targets."

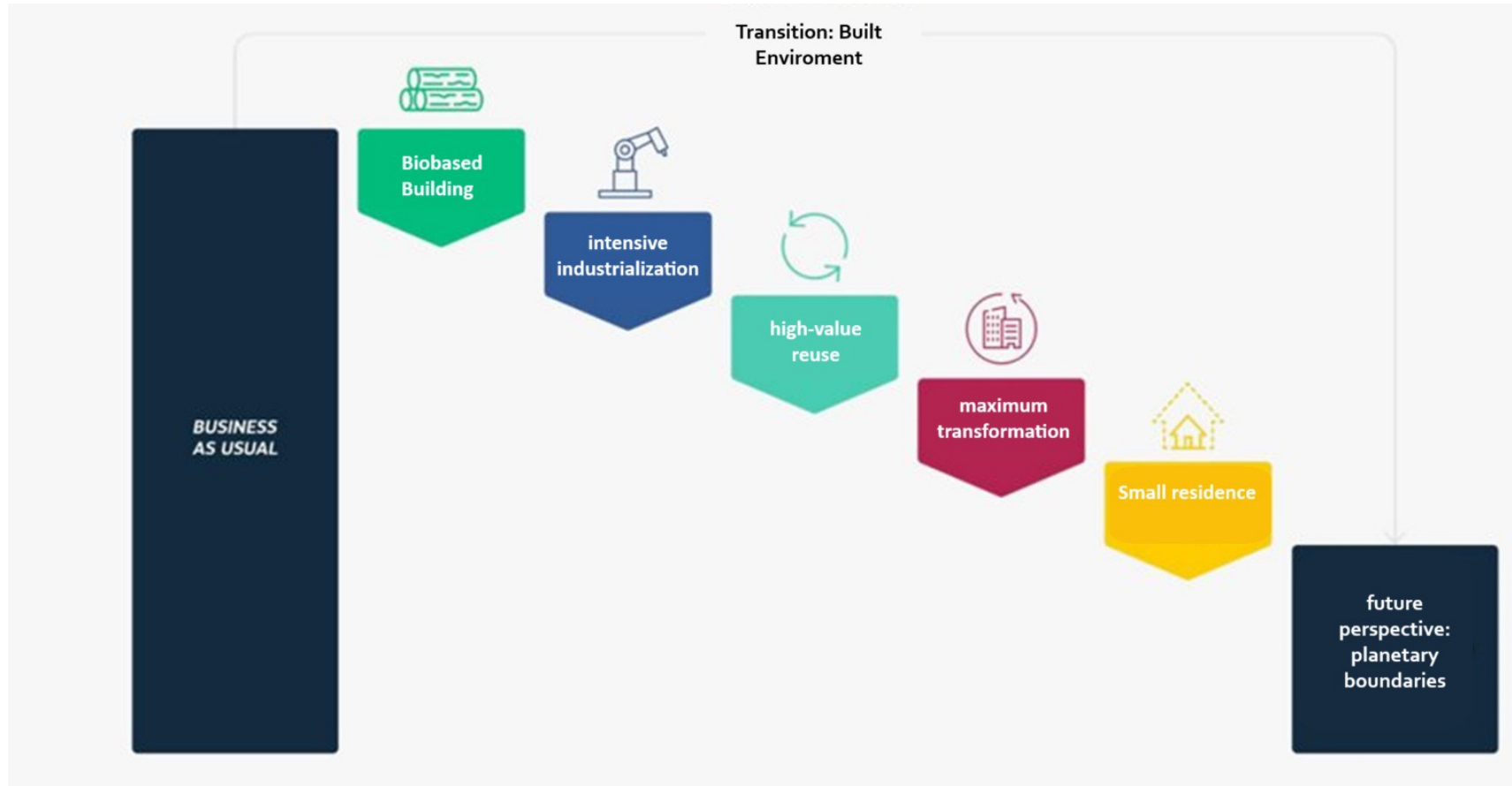


Bron: CBS / bewerking O&S





Transition of the built environment





"We see that this is already possible now... but we need to scale up, and that is also feasible... which is hopeful."





How can our cities thrive?

An ESG perspective on real estate and thriving urban landscapes



Decarbonisation

Decarbonizing real estate is crucial to abate the ongoing climate crisis we are facing and in turn, contribute to **thriving** cities.

What are the main efforts in cities?

- Retrofitting assets
- Tackling embodied carbon
- Greening the energy grid

The UK has set a target to achieve net zero emissions by 2050 and 100% low carbon electricity by 2035.



Social Value

In real estate, **social value** refers to the quantification of targeted benefits to society as part of existing real estate activities.

Social value is not simply a cost, but an investment to help cities thrive.

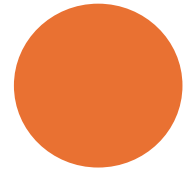
More intentional consideration is needed to avoid '*social value washing*' and move the dial even further.



Biodiversity

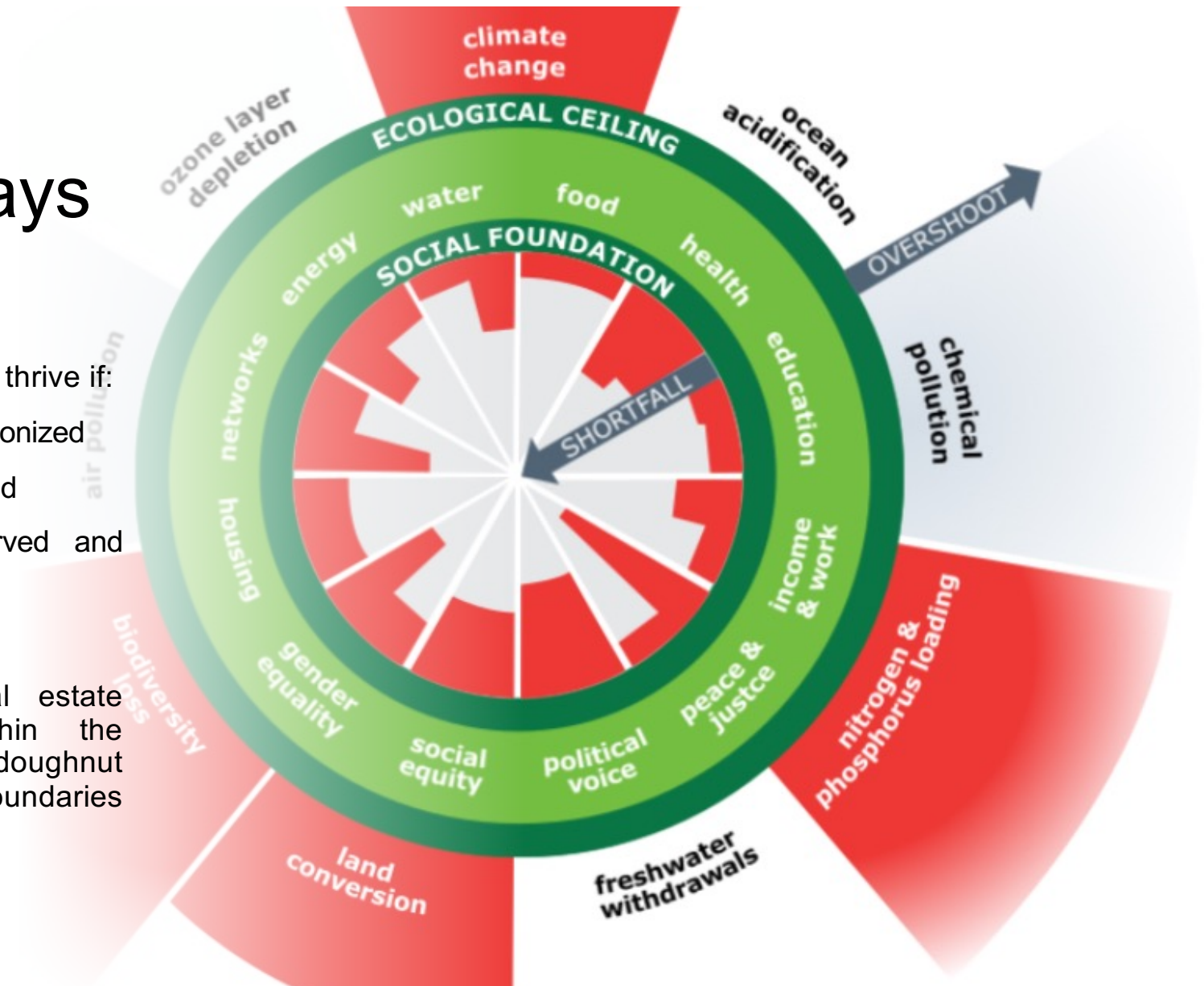
The real estate industry is increasingly investing in biodiversity conservation and enhancement at asset level to keep cities thriving.

Frameworks and regulations (TNFD, BNG...) exist and help move the dial forward. Could there be more mandatory regulations?



Key takeaways

- Cities can only continue to thrive if:
 - Real assets are decarbonized
 - Social value is promoted
 - Biodiversity is preserved and enhanced
- Building sustainable real estate helps cities stay within the 'ecological ceiling' of the doughnut and ensures planetary boundaries are not overshoot.



How can London be a home to thriving people, in a thriving place, whilst respecting the wellbeing of all people, and the health of the whole planet?



Impact
on **Urban
Health**

Chris Brown
**London Doughnut
Economy Coalition**

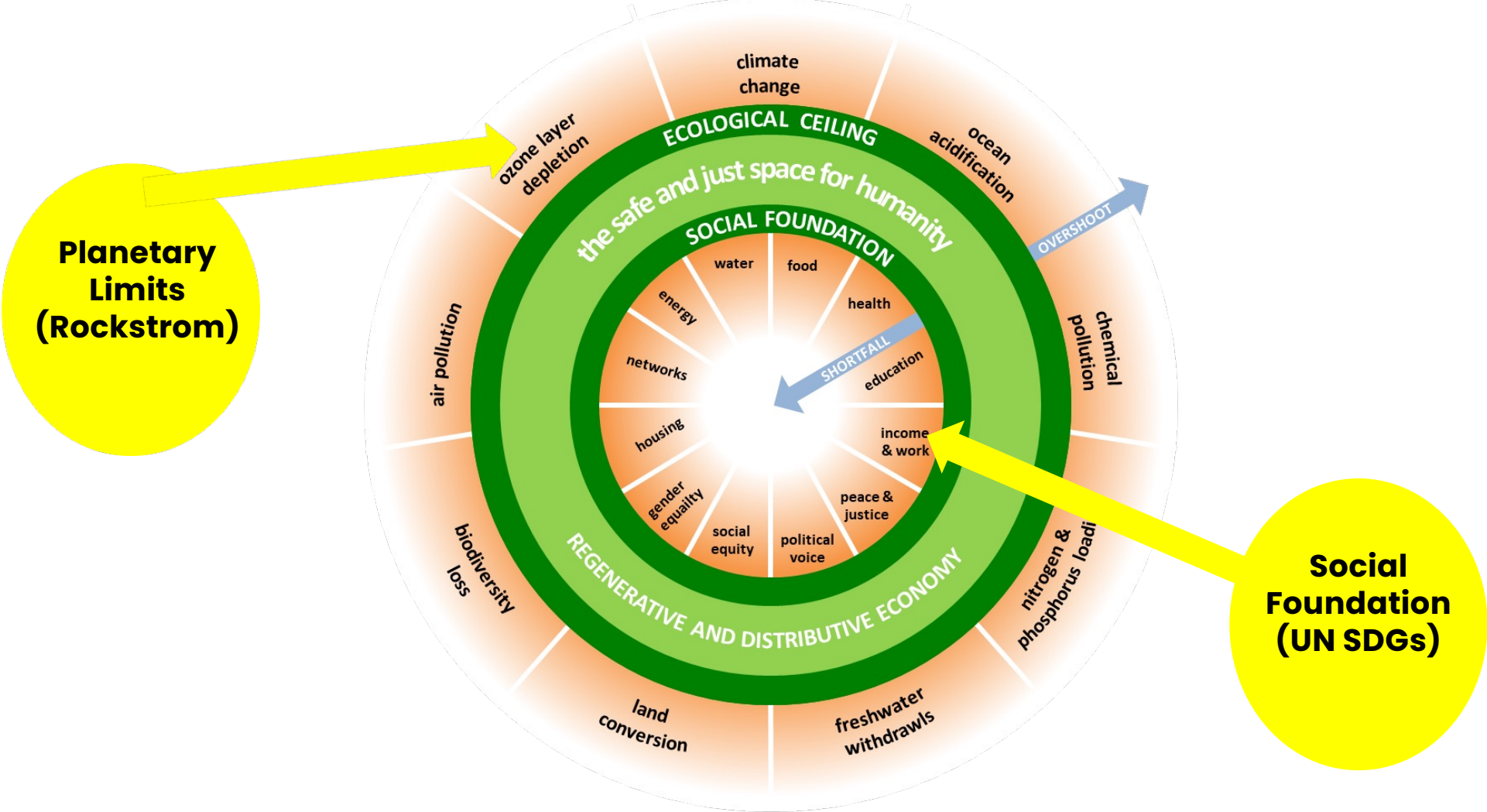
- What is the economy for?
- What is real estate for?
- Providing society's needs within the planet's limits



Impact
on **Urban**
Health



A new approach to thinking about the city economy



How can London be a home to thriving people, in a thriving place, whilst respecting the wellbeing of all people, and the health of the whole planet?

Four lenses to a City Portrait

SOCIAL FOUNDATION

ECOLOGICAL CEILING

How can all people in London thrive?

How can London be as generous as the wildland next door?

Local aspirations



How can London respect the wellbeing of all people?

How can London respect the health of the whole planet?

Global responsibilities

SOCIAL FOUNDATION

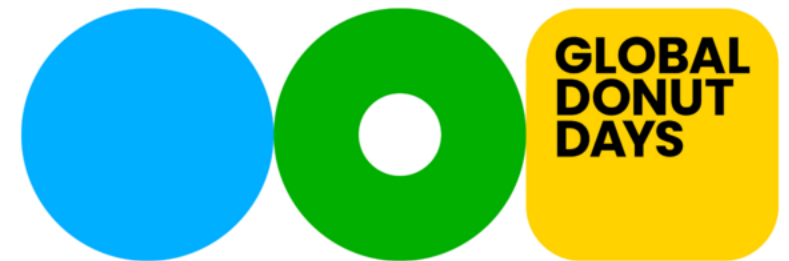
ECOLOGICAL CEILING

London Doughnut Economy Coalition projects

- Neighbourhood
- High Street
- City of London
- Food System
- Global Doughnut Days > 6th – 9th November



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- <https://doughnuteconomics.org/organisations-and-networks/london-doughnut-economy-coalition>
- londondoughnut@gmail.com



Impact
on **Urban
Health**



Chris Brown
**London Doughnut
Economy Coalition**

Panel Discussion & Q&A

(To ask a question - please use the Q&A panel to type your question to the Moderator)



Thank you for joining

