



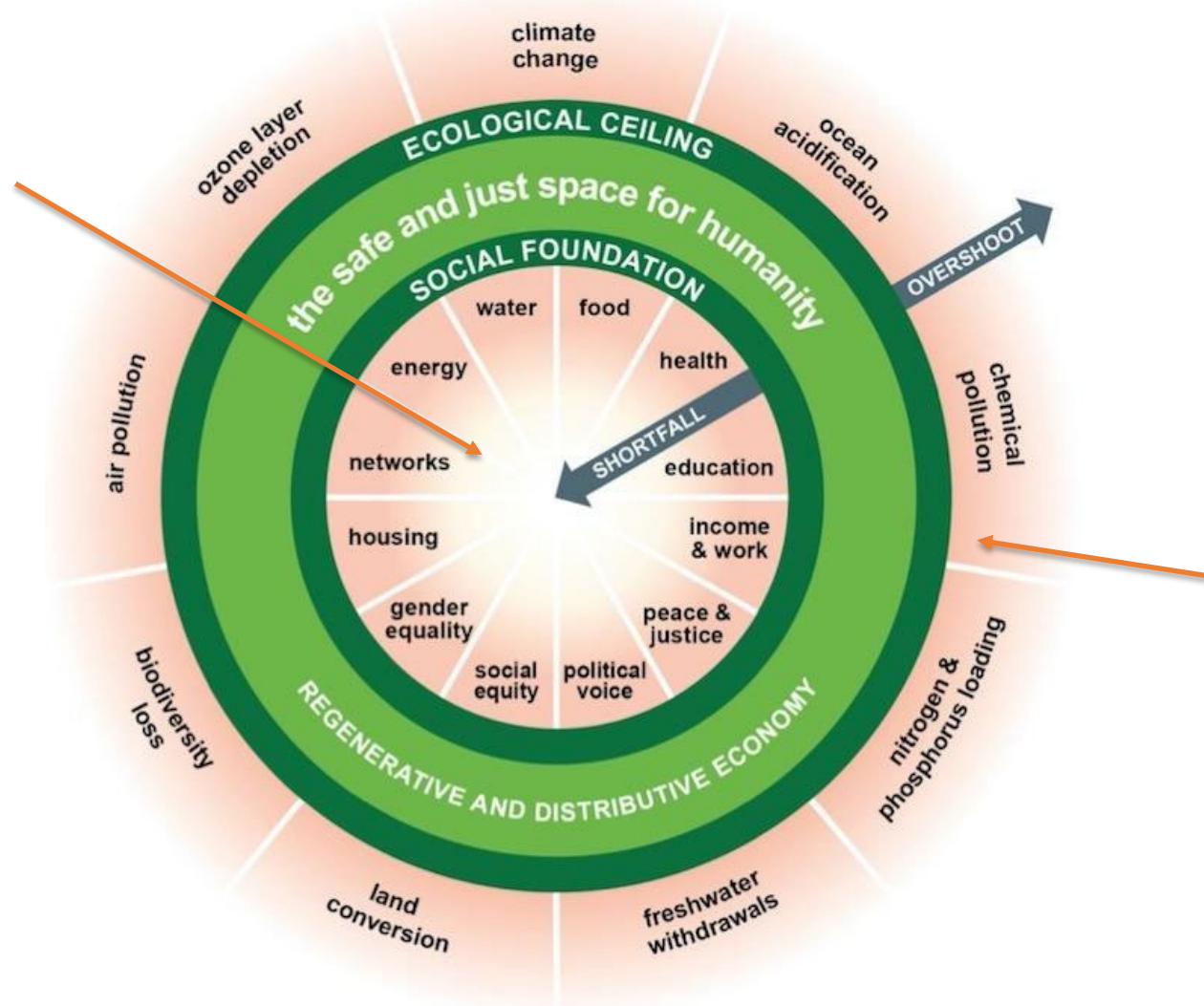
Doughnut Economics

remaking the places we live

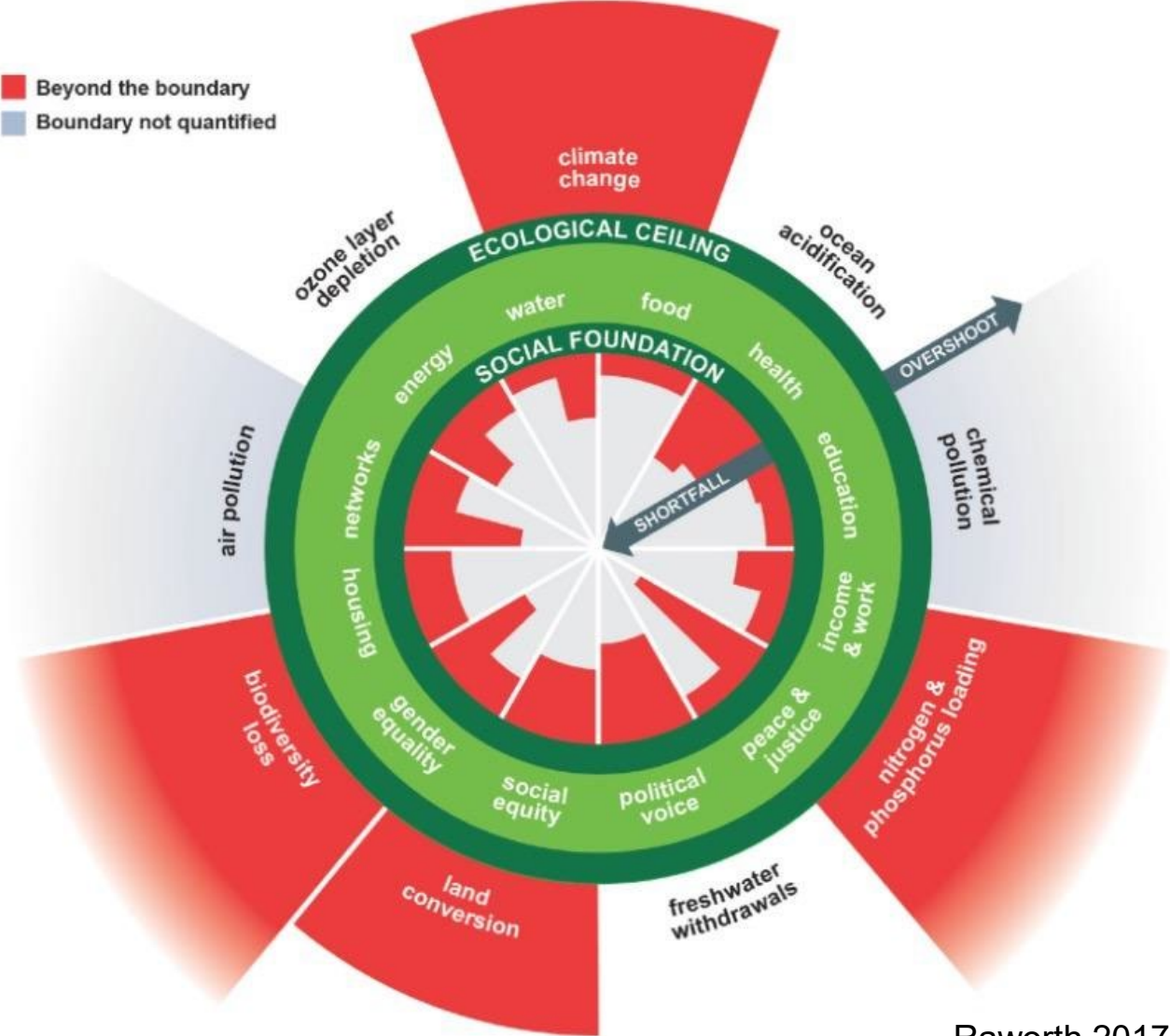
Kate Raworth

May 2022

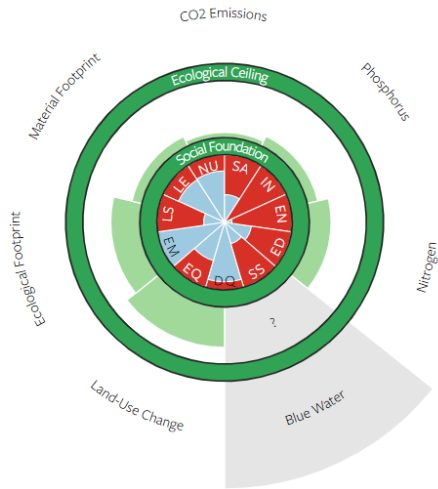
A compass for human prosperity



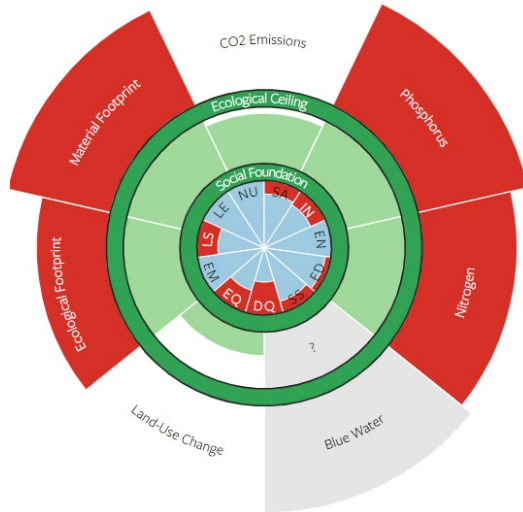
Humanity is living far out of balance



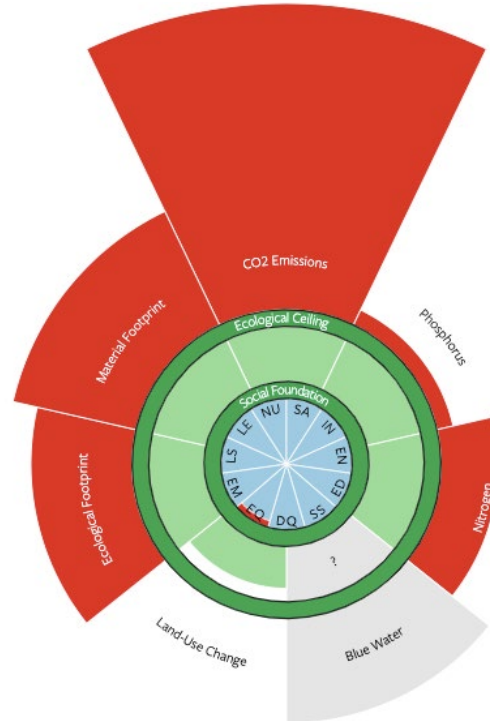
Every nation must transform



Malawi
\$1,500 pc



China
\$17,200 pc

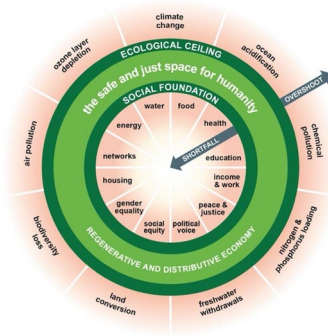


UK
\$49,700 pc



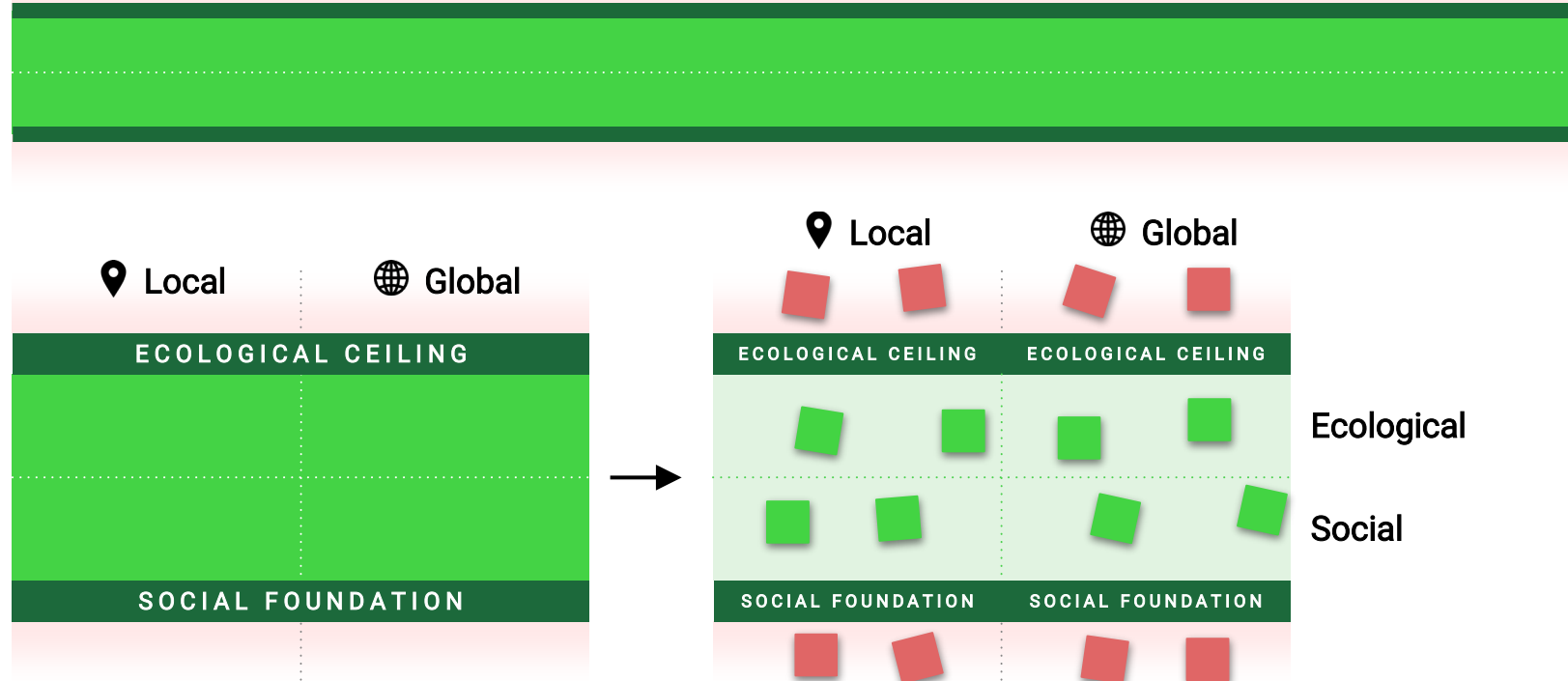
Australia
\$47,600 pc GNI

How can our city help bring humanity into the Doughnut?



If we unroll it...

We create a space for exploring possible futures we want



**How can our locality become
a home to thriving people in a thriving place,
while respecting the wellbeing of all people,
and the health of the whole planet?**

ECOLOGICAL CEILING

Doughnut Unrolled

How can our locality become a home to thriving people in a thriving place while respecting the wellbeing of all people and the health of the whole planet?





City Doughnut Workshops in Philadelphia, Portland & Amsterdam, 2019



City administrations engaging with Doughnut Economics worldwide



Leeds Doughnut



Towards a safe and thriving city for all

The first Leeds Doughnut City Portrait

April 2022



The Leeds Doughnut ...rolled back up

This diagram shows how much of Leeds is in the doughnut. It shows that across most aspects of local social life, we are falling below a minimum social floor of a thriving life, and that we could better protect and support our local nature. Globally, life in Leeds is generally damaging the health of the whole planet, and we are falling short of protecting people across the world.

How we support nature so it can support us

Urgent flood defence work is being carried out as over 11,000 properties in Leeds are at medium to high risk of being flooded.

Leeds City Council's Tree Strategy aims to increase tree cover from 17% to 33% over the next 25 years by planting 5.8 million trees.

The recycling rate for domestic waste in Leeds is 39%, lower than the English average of 44%.

Air quality in Leeds is currently rated 'Good' in World Health Organisation rankings, but areas of the major road network exceed annual objectives for nitrogen dioxide.

local ecological

How people in Leeds are living

16.8% of Leeds households were considered to be in fuel poverty in 2019.

In 2021, there were 3,554 hate crimes in Leeds.

In 2020, 24% of children in Leeds aged 16 or under were living in poverty.

People in more deprived areas of Leeds live 10.5 years less than those in least deprived areas.

A 2020 survey showed that 79% of Leeds residents were satisfied with their local area as a place to live.

House prices in Leeds are on average 6.3 times higher than average gross annual earnings.

global ecological

How we are affecting the health of the whole planet

The global land footprint of an average resident in Leeds is 2.3 times the safe boundary.

We are using over 13.2 tonnes of raw materials each - exceeding safe planetary boundaries almost twice.

The average person in Leeds exceeds the safe limit for phosphorus over 5 times, and over 7 times for nitrogen.

Each person in Leeds is currently responsible for producing 9.8 tonnes of carbon per year, which exceeds the safe boundary of 1.6 tonnes by almost 6 times.

global social

How life in Leeds is affecting people in the rest of the world

Consumption in Leeds relies on extracting an estimated 540,000 tonnes of metal ores per year - that's 0.7 tonnes per person.

25 workplace facilities and 13,500 injuries happen because of the goods and services imported into Leeds.

Global supply chains in Leeds are linked to an estimated 1,700 forced labourers and more than 21,000 child labourers.

Nearly half a million hectares of cropland and grazing area is required for imports into Leeds currently.

Ladywood and Port Loop, Birmingham



C I V I
C S Q
U A R E






**DOUGHNUT
ECONOMICS
ACTION
LAB**

Doughnut Economics Action Lab




Doughnut Eco

Doughnut Unrolled

A set of tools for your place




Doughnut Economics enters the textbooks

The syllabus for the International Baccalaureate now includes an introduction to Doughnut Economics

→ [Read more](#)

Doughnut Unrolled


Introducing the four lenses



An introduction to the four lenses and the set of tools you can use to help your place bring humanity into the Doughnut.

Doughnut Unrolled


Community Portrait of Place



A selection of participatory workshop approaches you can use to explore the four lenses for your place. Go to [Community Portrait of Place](#).

Doughnut Unrolled

Data Portrait of Place



A handbook of approaches for collecting targets and indicators to create a data-led portrait of your place. Go to [Data Portrait of Place](#).

Doughnut Unrolled


Exploring a topic



A selection of approaches to explore a specific topic through the four lenses, whether a sector, strategy, policy, project, initiative, object or idea. Go to [Exploring a topic](#).

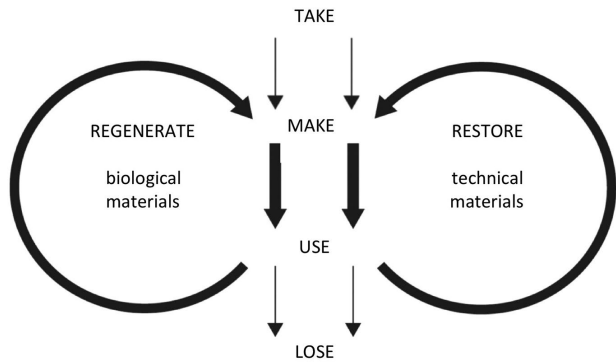
Doughnut Unrolled

Dimensions of the four lenses

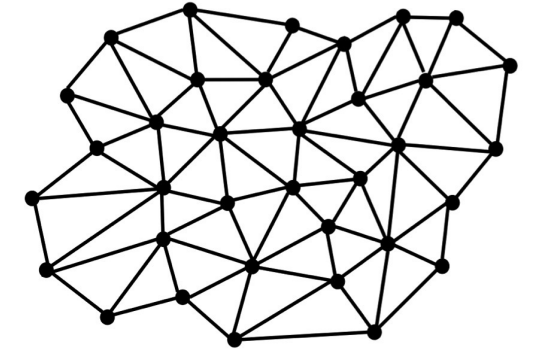
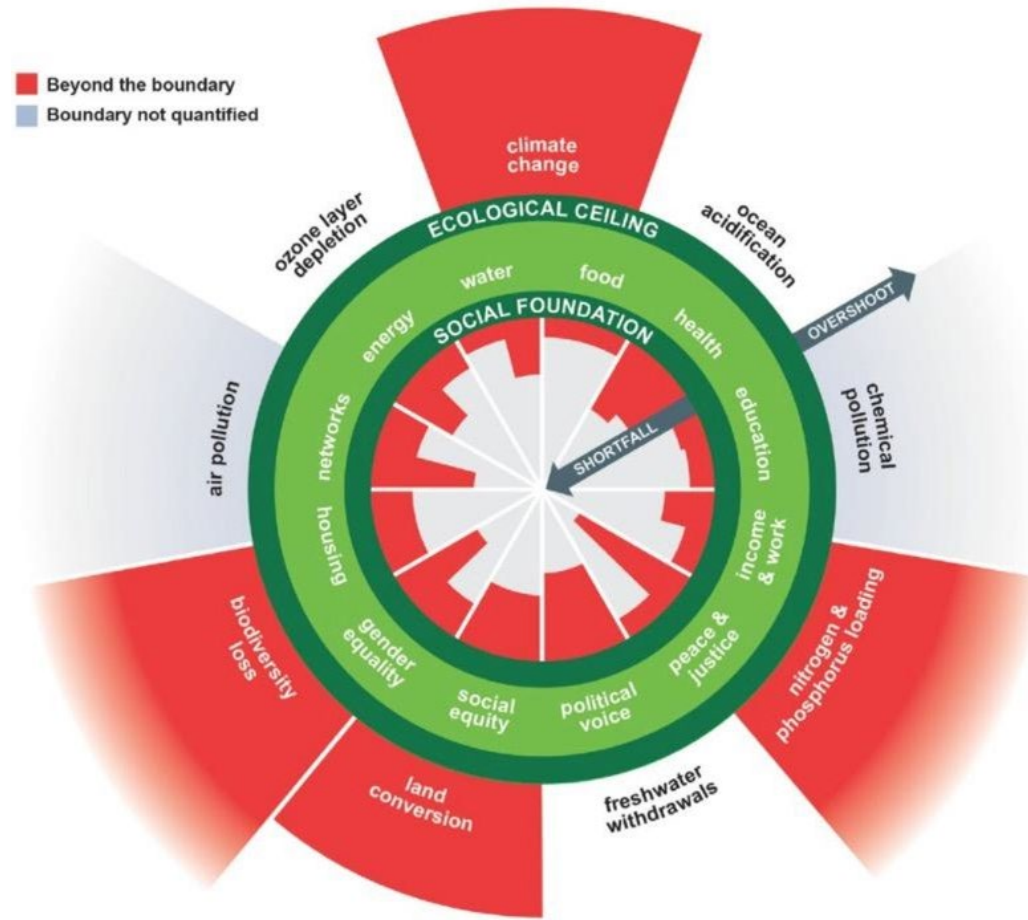


An overview of each of the dimensions of the four lenses on life. Go to [Dimensions of the four lenses](#).

How can humanity get into the Doughnut?

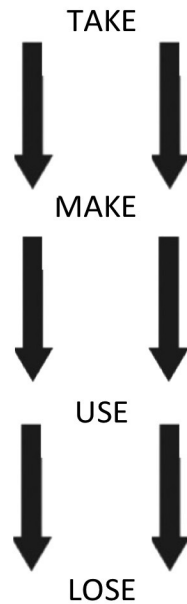


Be regenerative by design



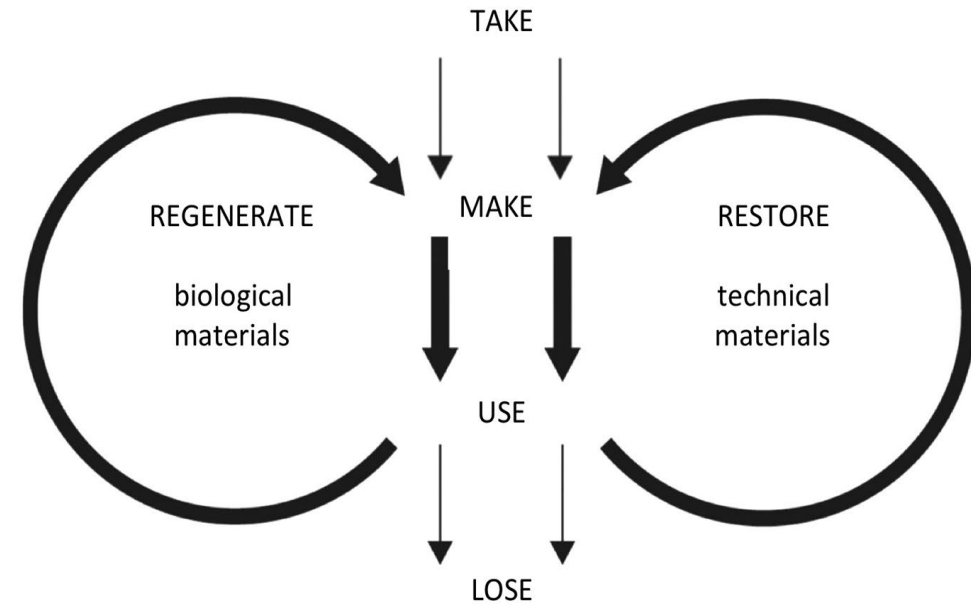
Be distributive by design

To change the future, change the dynamics



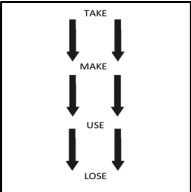
Degenerative

running down Earth's
life-supporting systems



Regenerative

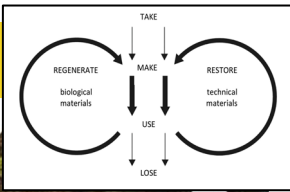
working with and within
the cycles of the living world



DEGENERATIVE



REGENERATIVE



Landscape degradation

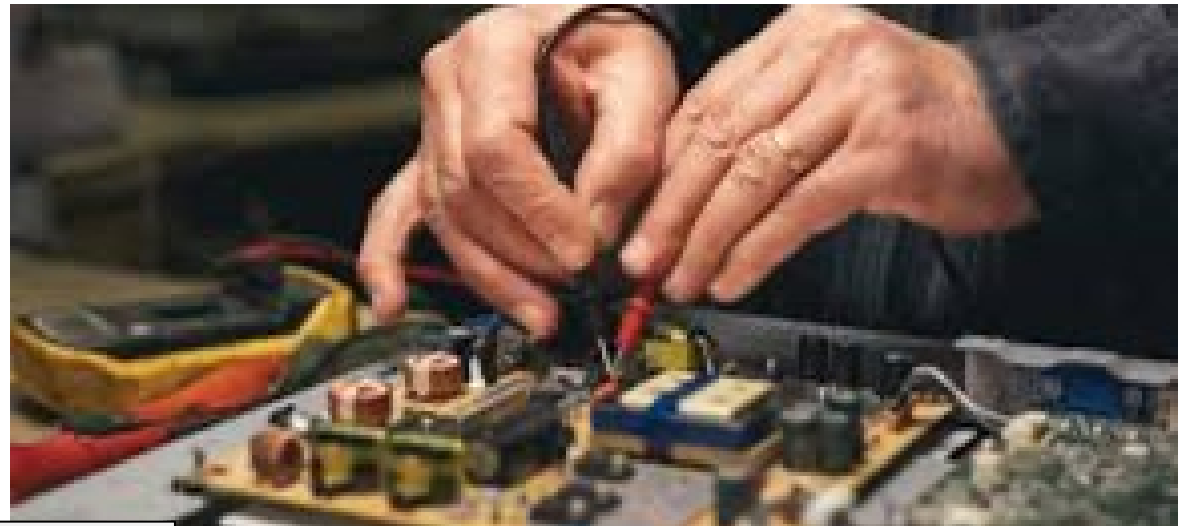


Landscape restoration

LANDSCAPES

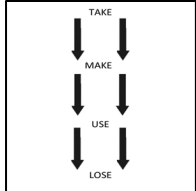


Linear economy: take, make, use, dispose



Circular economy: repair, reuse, refurbish

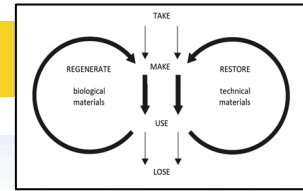
INDUSTRIES



DEGENERATIVE



REGENERATIVE



Car-centred district, Cheonggyecheon, 2000



Nature-centred district, Cheonggyecheon, 2010

CITIES



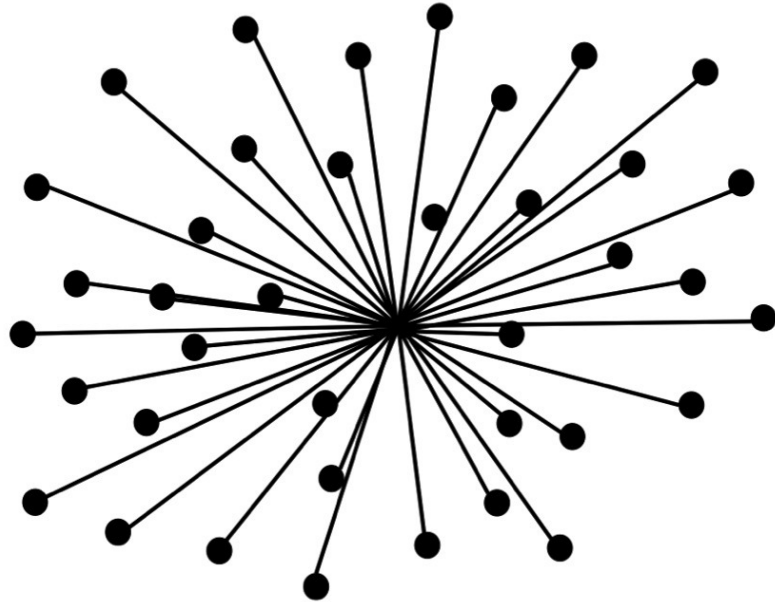
Nature-less hospital, UK



Nature-rich hospital, Singapore

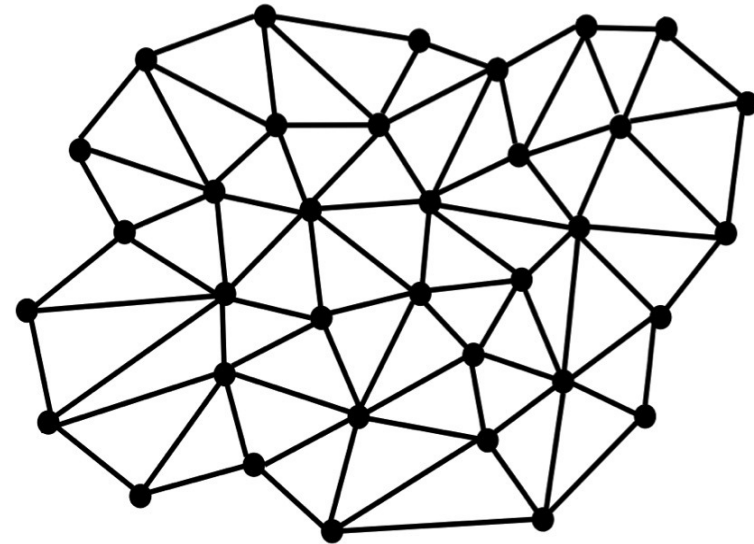
BUILDINGS

To change the future, change the dynamics



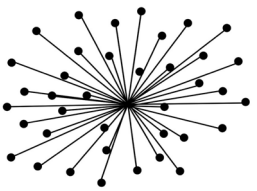
Divisive

capturing opportunity and value
in the hands of a few



Distributive

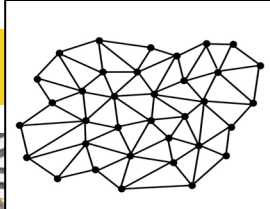
sharing opportunity and value
with all who co-create it



DIVISIVE



DISTRIBUTIVE



Affordable housing crisis - London

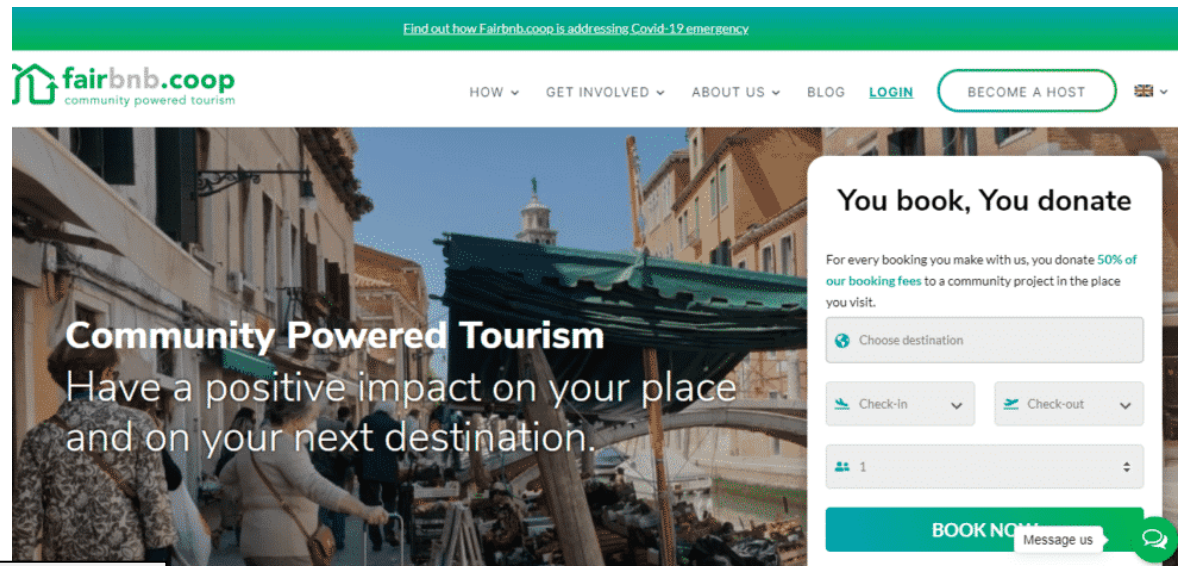


Social housing norm - Vienna

HOUSING

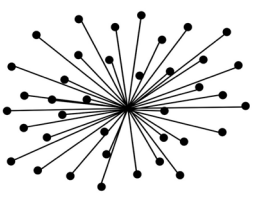


Airbnb: fuelling housing crises



Fairbnb: investing in community

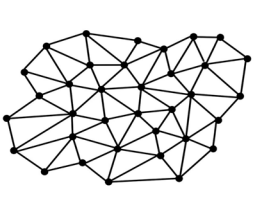
TOURISM



DIVISIVE



DISTRIBUTIVE



In-work poverty - USA



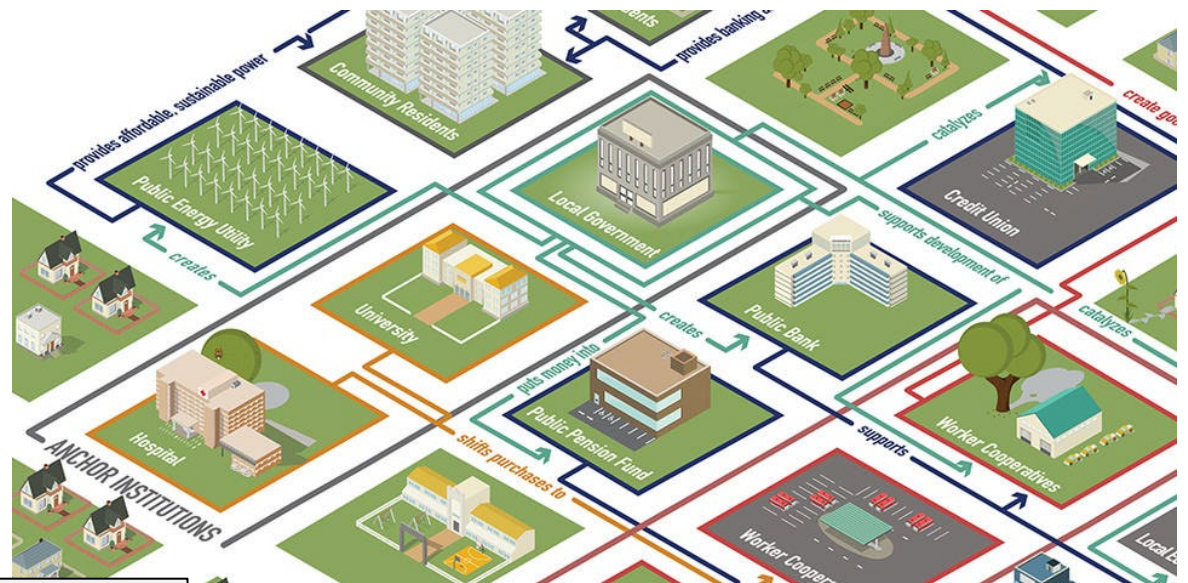
Guaranteed Basic Income – Stockton California

INCOME



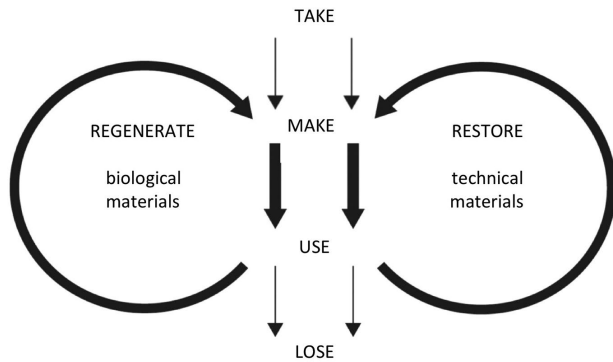
Outsourced public services

PROCUREMENT

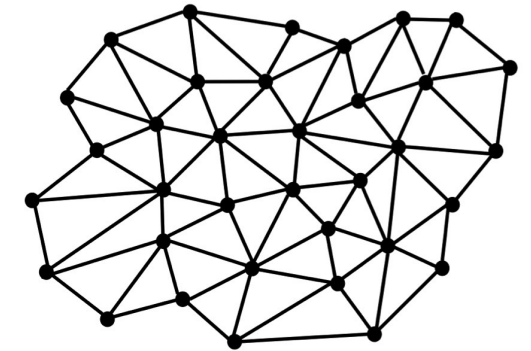
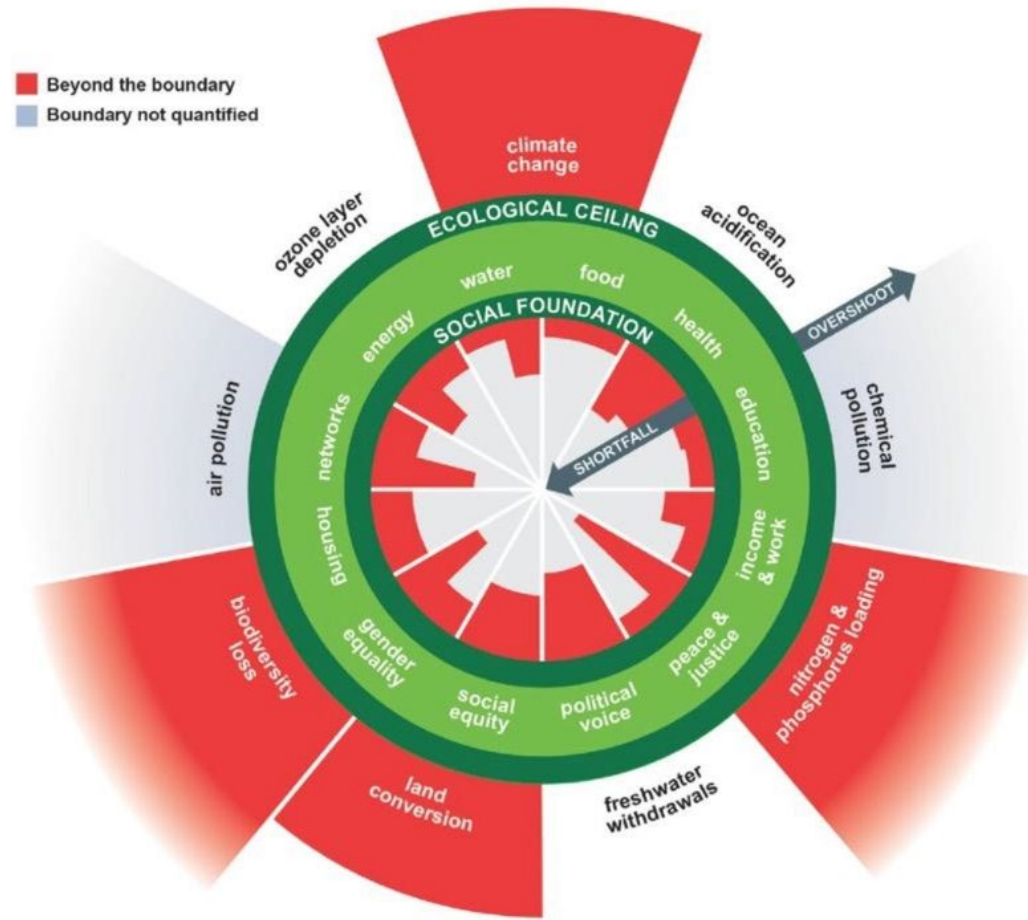


Community wealth building - Preston

How can humanity get into the Doughnut?



**Be regenerative
by design**



**Be distributive
by design**