Doughnut Economics
transformative action for people and planet

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How the 21st century has begun

- **Financial meltdown**
  - New York, US

- **Climate breakdown**
  - Sofala, Mozambique

- **Protest crackdown**
  - Brasilia, Brazil

- **COVID lockdown**
  - Kuala Lumpur, Malaysia

- **Athens, Greece**

- **Sydney, Australia**

- **Standing Rock, US**

- **Bogotá, Colombia**
A compass for human prosperity

PLANTARY BOUNDARIES

UN 2015
Steffen et al 2015
A world perilously out of balance

Raworth (2017)
A world perilously out of balance

Raworth (2017)
With updated planetary boundaries
Every nation must transform

Kenya
$5,200 pc

Egypt
$12,800 pc

China
$19,300 pc

Canada
$52,100 pc

https://goodlife.leeds.ac.uk

GDP

Fanning et al (2022)
Every nation must transform

Kenya
$5,200 pc

Egypt
$12,800 pc

Costa Rica
$23,300 pc

Canada
$52,100 pc

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Fanning et al (2022)
A world perilously out of balance

Raworth (2017)
With updated planetary boundaries
Responsibility for climate breakdown

Cumulative carbon emissions by region with respect to fair shares of global carbon budgets

(1.5°C fair share = 1)

Fanning and Hickel (2023)

https://goodlife.leeds.ac.uk
National responsibility for climate breakdown

Cumulative carbon emissions with respect to climate targets, 1960–2050

United States  United Arab Em.  Saudi Arabia  Spain

Lebanon  Jordan  Egypt  Yemen

https://goodlife.leeds.ac.uk

Fanning and Hickel (2023)
Compensation for atmospheric appropriation

- United States (US$80 trillion)
- European Union and United Kingdom (US$46 trillion)
- Rest of global North (US$44 trillion)
- Global South overshoot (US$22 trillion)
- India (US$57 trillion)
- China (US$15 trillion)
- Sub-Saharan Africa (US$45 trillion)
- Rest of global South (US$74 trillion)

https://goodlife.leeds.ac.uk

Fanning and Hickel (2023)
No nation is living in the Doughnut

Meeting the needs of all people

Within the means of the living planet

colonialism
military power
corporate power
trade & finance rules
resource extraction
climate-change impacts
The history of economic development

20th century dynamics of economic growth
Degenerative & divisive pathways to wealth

Meeting the needs of all people
Within the means of the living planet
Every nation must transform

Meeting the needs of all people

RISE

REORIENT

REDUCE

21st century dynamics for people and planet to thrive

Regenerative & distributive pathways by design

Within the means of the living planet
How can our city help bring humanity into the Doughnut?
How can our city become a home to thriving people, in a thriving place, while respecting the wellbeing of all people, and the health of the whole planet?

How can our city be as generous as the wildland next door?

How can our city respect the health of the whole planet?

How can all the people of our city thrive?

How can our city respect the wellbeing of all people?

Derived from DEAL doughnuteconomics.org
### Doughnut Unrolled

How can our city 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

<table>
<thead>
<tr>
<th>Local</th>
<th>Global</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>How can our city be as generous as the wildland next door?</strong></td>
<td><strong>How can our city respect the health of the whole planet?</strong></td>
</tr>
<tr>
<td>Cleanse the air</td>
<td>Climate change</td>
</tr>
<tr>
<td>House biodiversity</td>
<td>Ocean acidification</td>
</tr>
<tr>
<td>Store carbon</td>
<td>Chemical pollution</td>
</tr>
<tr>
<td>Cycle water</td>
<td>Excessive fertilizer use</td>
</tr>
<tr>
<td>Harvest energy</td>
<td>Water withdrawals</td>
</tr>
<tr>
<td>Regulate the temperature</td>
<td>Land conversion</td>
</tr>
<tr>
<td>Build &amp; protect soil</td>
<td>Biodiversity loss</td>
</tr>
<tr>
<td>Enhance wellbeing</td>
<td>Air pollution</td>
</tr>
</tbody>
</table>

### What’s our target or commitment?
- Is it ambitious enough?

### How are we doing?
- Are we collecting the data we need?

### What positive initiatives are underway?
- What more can they inspire?

### What now must we do?
- How do we make it happen?

### SOCIAL FOUNDATION

<table>
<thead>
<tr>
<th>Local</th>
<th>Global</th>
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</thead>
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<tr>
<td><strong>How can all the people of our city thrive?</strong></td>
<td><strong>How can our city respect the wellbeing of all people?</strong></td>
</tr>
<tr>
<td>Food</td>
<td>Food</td>
</tr>
<tr>
<td>Water</td>
<td>Water</td>
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<tr>
<td>Health</td>
<td>Health</td>
</tr>
<tr>
<td>Education</td>
<td>Education</td>
</tr>
<tr>
<td>Housing</td>
<td>Housing</td>
</tr>
<tr>
<td>Energy</td>
<td>Energy</td>
</tr>
<tr>
<td>Income &amp; work</td>
<td>Income &amp; work</td>
</tr>
<tr>
<td>Social equity</td>
<td>Social equity</td>
</tr>
<tr>
<td>Equality in diversity</td>
<td>Equality in diversity</td>
</tr>
<tr>
<td>Peace &amp; justice</td>
<td>Community &amp; networks</td>
</tr>
<tr>
<td>Political voice</td>
<td>Peace &amp; justice</td>
</tr>
</tbody>
</table>

Derived from DEAL doughnuteconomics.org
The power of peer-to-peer inspiration
UNROLL THE DOUGHNUT IN YOUR PLACE!

ECOLOGICAL CEILING

How can our city be as generous as the wildland next door?
How can our city respect the health of the whole planet?

SOCIAL FOUNDATION

How can all the people of our city thrive?
How can our city respect the wellbeing of all people?
Doughnut Economics: ideas into action

**Concepts & principles**

**Data & analysis**

**Cities & regions**

**Business**

**Communities**

**Education**
Welcome to DEAL
Turning the ideas of Doughnut Economics into action

doughnuteconomics.org