

**X Gemeente
X Amsterdam
X**

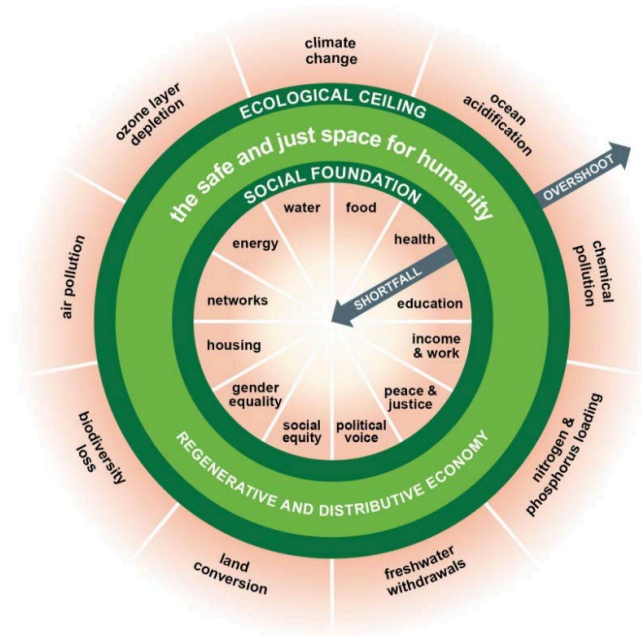
MEET UP GLOBAL GOALS VOOR GEMEENTEN

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Amsterdam City Doughnut & SDG's als tools voor transitie



OPDRACHT COLLEGE

- Grote groene en circulaire ambities
- Vanaf 2015 geëxperimenteerd & geleerd met circulaire economie via verschillende programma's
- Nu tijd voor de volgende stap: een meer holistische benadering van circulair
 - Niet alleen materiaal, ook sociaal & inclusief
 - Niet alleen focus op hier, maar ook gevolgen elders
 - Opgave verbinden aan planetaire grenzen

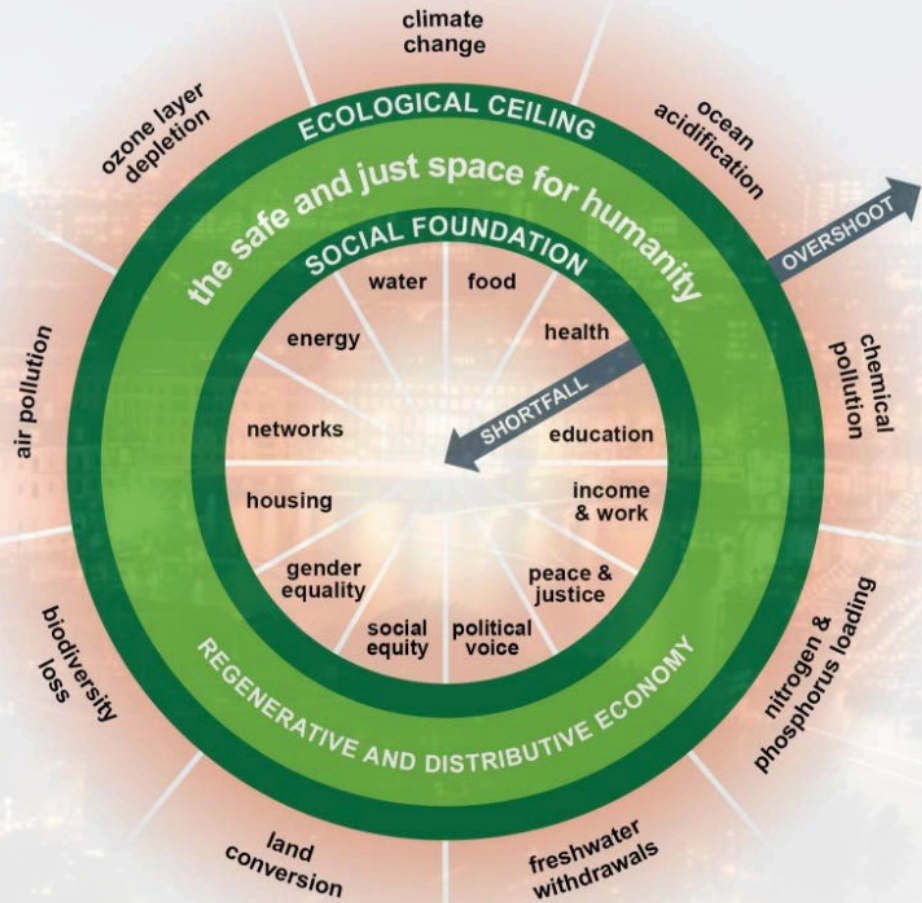


Amsterdam wil een bloeiende en rechtvaardige stad zijn. In deze stad willen we voor iedereen een goed leven garanderen binnen de natuurlijke grenzen van de aarde. Een stad waarin de welvaart en het welzijn van iedereen centraal staan. In 2050 willen we daarom een volledig circulaire stad zijn. Dat is goed voor de economie, voor de natuur én voor de Amsterdammers.



DOUGHNUT ECONOMY THEORY KATE RAWORTH

APPLIED TO CITY LEVEL



Kate Raworth's
doughnut model.

THE AMSTERDAM CITY DOUGHNUT

A TOOL FOR TRANSFORMATIVE ACTION



WHAT WOULD IT MEAN FOR AMSTERDAM TO RESPECT THE HEALTH OF THE WHOLE PLANET?



OCEAN ACIDIFICATION

CITY TARGET

Reduce the city's in-boundary CO₂ emissions to 55% below 1990 levels by 2030, and to 95% below by 2050.²²

CO₂ dissolved in seawater has increased the level of ocean acidity by 30% since the beginning of the Industrial Revolution.⁷³

EXCESSIVE FERTILIZER USE

The Dutch agricultural sector is responsible for 61% of the total amount of nitrogen emissions, mainly caused by fertilizers.⁷²

OVERFISHING

Fish consumption has more than doubled in the Netherlands since 1990, putting the country in the top 25% of fish-consuming nations in the world.^{70,71}

FRESHWATER WITHDRAWALS

The Netherlands has the highest water footprint in Europe, with almost 90% of total water consumption embedded in imports such as meat, cotton and food.^{67,68,69}

EXCESSIVE LAND USE

The amount of land required worldwide for Dutch consumption in 2013 was around two and a half times the area of the Netherlands.^{63,64}

WASTE GENERATION

CITY TARGET

Amsterdam aims to have a 50% reduction in the use of primary raw materials by 2030, and be a fully circular economy by 2050.⁶⁶

In 2018, the Amsterdam Metropolitan Area processed 8.5 mt of industrial and commercial waste and 1.1 mt of household waste - equivalent to one and a half Egyptian Pyramids.⁶⁵

CLIMATE CHANGE

CITY TARGET

Reduce the city's in-boundary CO₂ emissions to 55% below 1990 levels by 2030, and to 95% below by 2050.²²

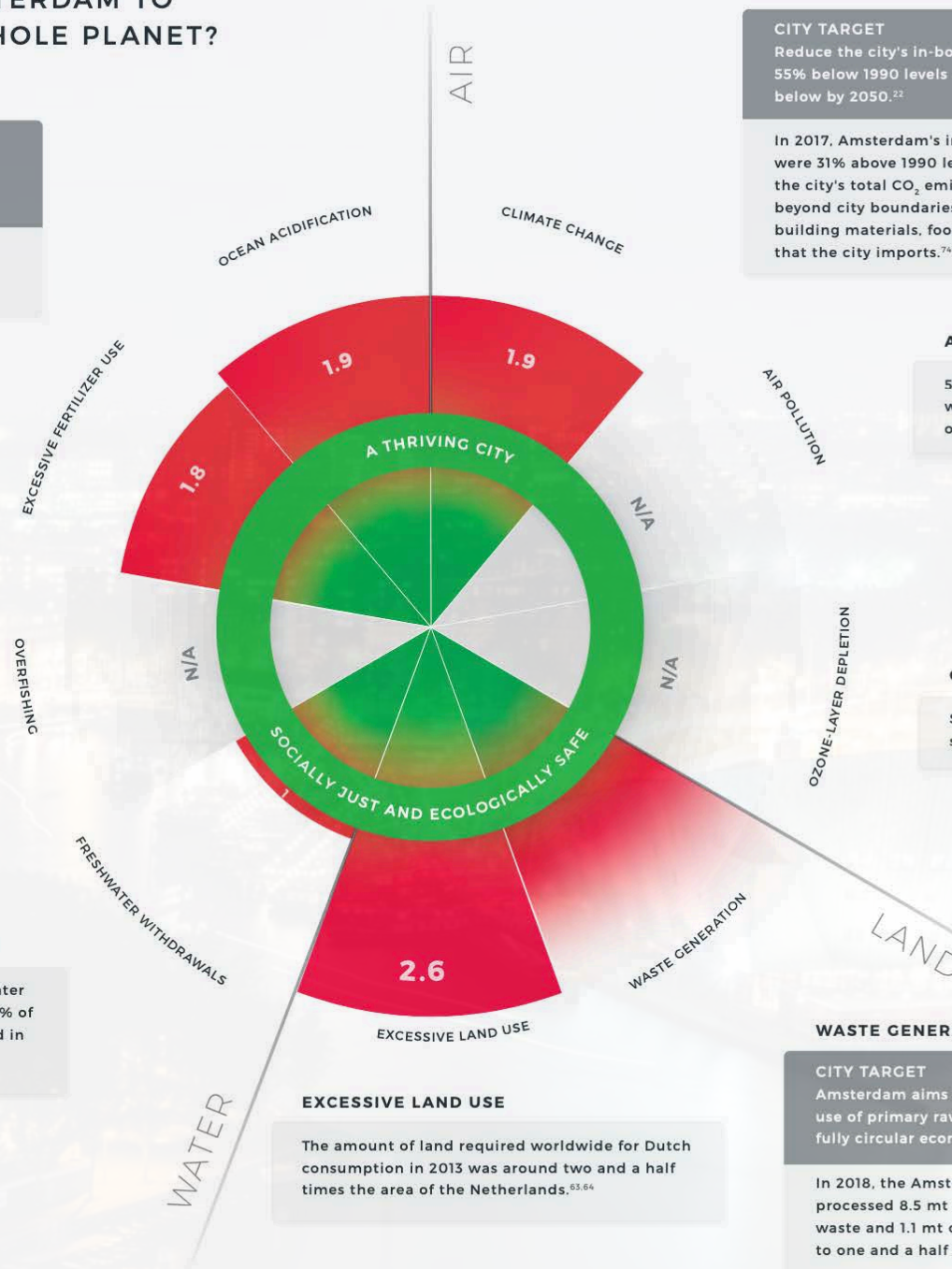
In 2017, Amsterdam's in-boundary CO₂ emissions were 31% above 1990 levels. Furthermore, 63% of the city's total CO₂ emissions are produced beyond city boundaries, embedded in the building materials, food and consumer products that the city imports.^{74,75}

AIR POLLUTION

50-60% of air pollution in China is associated with products and services that are exported to other countries including the Netherlands.⁷⁶

OZONE-LAYER DEPLETION

Since 1986, global use of ozone-depleting substances has declined by over 90%.⁷⁷



WHAT WOULD IT MEAN FOR AMSTERDAM TO RESPECT THE WELLBEING OF PEOPLE WORLDWIDE?

HEALTH

GLOBAL TARGET / SDG 3

Ensure healthy lives and promote well-being for all at all ages.⁴

GLOBAL STATUS

Dangerous working conditions often lead to:

- accidents and injuries
- long-term health problems
- raised suicide rates⁷⁸

ELECTRONICS

"We all have problems with our lungs and pain all over our bodies"
- female cobalt miner, the Democratic Republic of the Congo⁷⁸

PEACE & JUSTICE

GLOBAL TARGET / SDG 16

Promote peaceful and inclusive societies for sustainable development, access to justice for all, and effective, accountable and inclusive institutions at all levels.⁴

GLOBAL STATUS

Workers in poorly regulated global supply chains can face forced labour, intimidation and violence.^{90,91}

In 2016, 12 of the 13 major mines in the eastern Democratic Republic of Congo were controlled by armed groups.⁹⁰

In Thailand's seafood industry, migrant workers face violence, trafficking and modern-day slavery.⁹¹

FOOD ELECTRONICS

FOOD

GLOBAL TARGET / SDG 2

End hunger, achieve food security and improve nutrition.⁴

GLOBAL STATUS

Malnutrition is often prevalent amongs vulnerable factory workers, due to low wages and excessive hours of work.^{79,80}

TEXTILES

"Our salary is so low that I can't afford the food in the factory canteen - even that is out of my reach." - Garment worker, Cambodia⁸¹

EQUALITY IN DIVERSITY

GLOBAL TARGET / SDG 5

Achieve gender equality and empower all women and girls.⁴

GLOBAL STATUS

Employers often exploit the vulnerability of marginalised communities.⁹⁵

TEXTILES

In Asia, female garment workers often face forced overtime, sexual harassment and being fired if pregnant.^{92,93,94}

CULTURE

GLOBAL TARGET / SDG 11,4

Strengthen efforts to protect and safeguard the world's cultural and natural heritage.⁴

GLOBAL STATUS

Globalisation can inspire innovation worldwide but it can also undermine the diversity of local identities and cultures.⁸⁹

In East Africa, the influx of cheap second-hand clothing exported by Western countries both damages local craft industries and undermines regional textile markets.⁸⁸

ELECTRONICS

In the Democratic Republic of Congo, children work 12-hour days for \$1-2, carrying sacks of cobalt - a mineral used to make batteries for mobile phones.⁸⁴

COMMUNITY

GLOBAL TARGET / SDG 12,4

By 2020 achieve the environmentally sound management of chemicals and all wastes . . . and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment.⁴

GLOBAL STATUS

Industrial activity often contaminates the soil, air and water resources of surrounding communities.^{85,86}

FOOD

In Paraguay, some large soybean farms have been in violent conflict with local communities over land use, sometimes resulting in arrests and even death.⁸⁷

ELECTRONICS

"Mining for lithium so that people in other countries can switch to the electric car will kill our communities and our landscapes."
- Indigenous leader, Argentina^{85,86}

JOBS

GLOBAL TARGET / SDG 8

Promote full and productive employment and decent work for all.⁴

GLOBAL STATUS

Globalization has created job opportunities for millions of workers. However, these jobs often entail:

- forced overtime
- insecure contracts
- stressful conditions
- restrictions on unions^{82,83}

FOOD

In Ghana, more than 3,500 workers on cocoa plantations are engaged under conditions of forced labour.⁸²



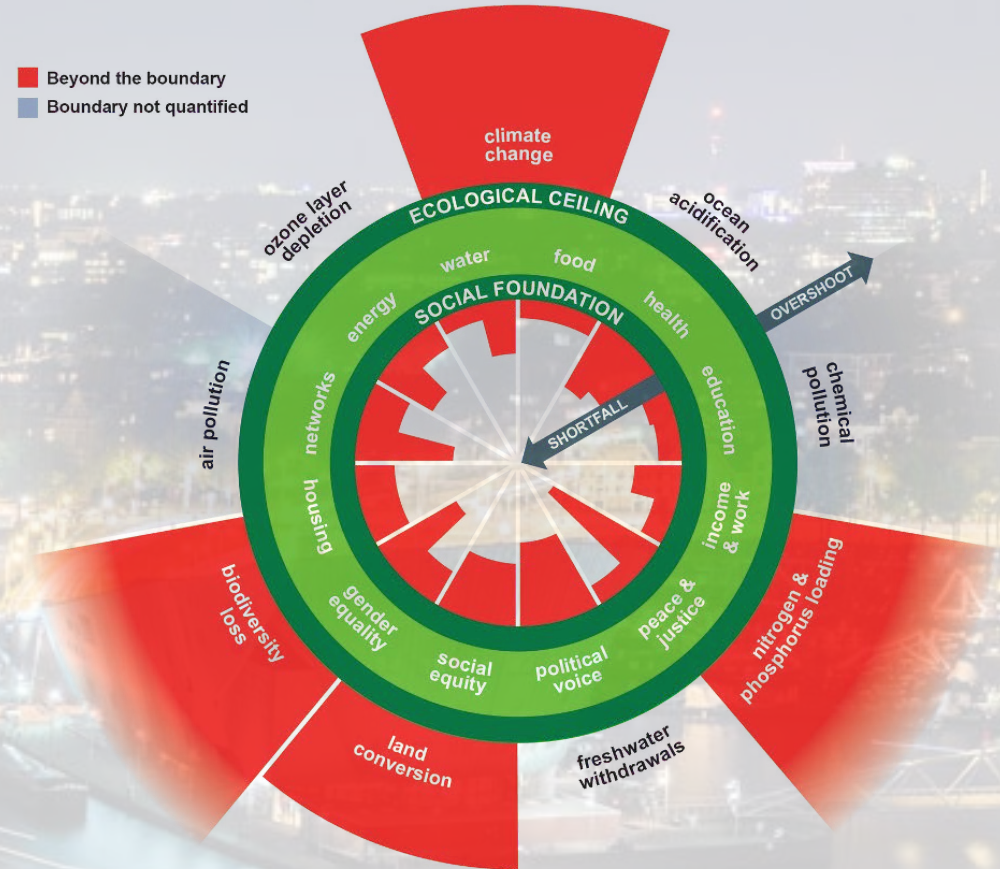


SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD



■ Beyond the boundary
■ Boundary not quantified





Toelichting Kate Raworth

- SDGs en donut "cousin concepts"
- SDGs verwerkt in social foundation donut
- "Planetary boundaries" concept (2009) voor buitenring donut
- *"One of the main differences between the two frameworks is that the SDGs make economic growth a goal for all countries no matter how rich they already are (SDG 8). The Doughnut instead invites us to ask what kind of economy is compatible with living within the social and ecological boundaries."*
- *"The Doughnut addresses economic growth - and does not rule it out, but it also does not set it as a goal in itself. It demands that we be innovative in finding developmental pathways that have never been found before."*





<h2>Sustainable Development Goals</h2> 	<h2>Doughnut framework</h2> 
<p>Grondig doorontwikkeld raamwerk, goed uitgewerkte individuele doelen en indicatoren.</p>	<p>Relationeel model, verbindt sociale doelstellingen met planetaire grenzen en lokaal met globaal. Maakt zichtbaar waar de schoen wringt; waar grenzen zitten aan groei.</p>
<p>Mogelijkheid tot benchmarken op verschillende niveaus, aansluiten bij (inter)nationale standaarden.</p>	<p>Zet aan tot meer vanuit supply chains denken, LCA's etc. - belangrijk voor circulair (materiaal) en berekenen totale CO2 emissies producten.</p>
<p>Aangenomen door de Algemene Vergadering van de Verenigde Naties, en daarmee geratificeerd door alle aangesloten lidstaten.</p>	<p>Denkframe voor organisatie, beleidsontwikkeling en projectinitiatie (holistisch & integraal) - nieuwe manier van denken.</p>
<p>Herkenbaar, inmiddels ook door het bredere publiek omarmd.</p>	<p>Mogelijkheid tot zetten van een nieuwe standaard, <i>new horizons</i>, scherpere profilering als stad / land.</p>



Meer info

www.amsterdam.nl/circulair