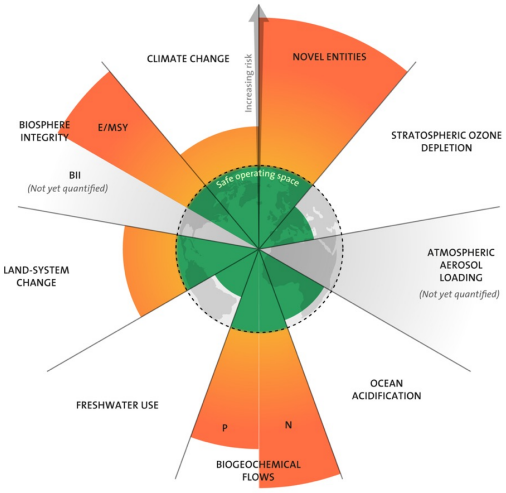


IN5010 / IN9010

01.03.2022

Theme: Crisis? What Crisis?

Meeting II: Course Compass

groups

Group 1:

- Stine Lise Lybekk
- Eivind Grønlie Guren
- Katherine Wyers
- Christina Grønhaug

Group 2:

- Frida Meijer
- Julia Lansche
- Daniel Nguyen
- Stian Dolmseth

Group 3:

- Frida Hope Carpenter
- Anna Helgestad
- Burhan Sarfraz
- Albertino Nipassa

Group 4:

- Emily Lo Kam Chuen
- Thomas Horn
- Kaiying Luan
- Johannes Fatland Skjeie

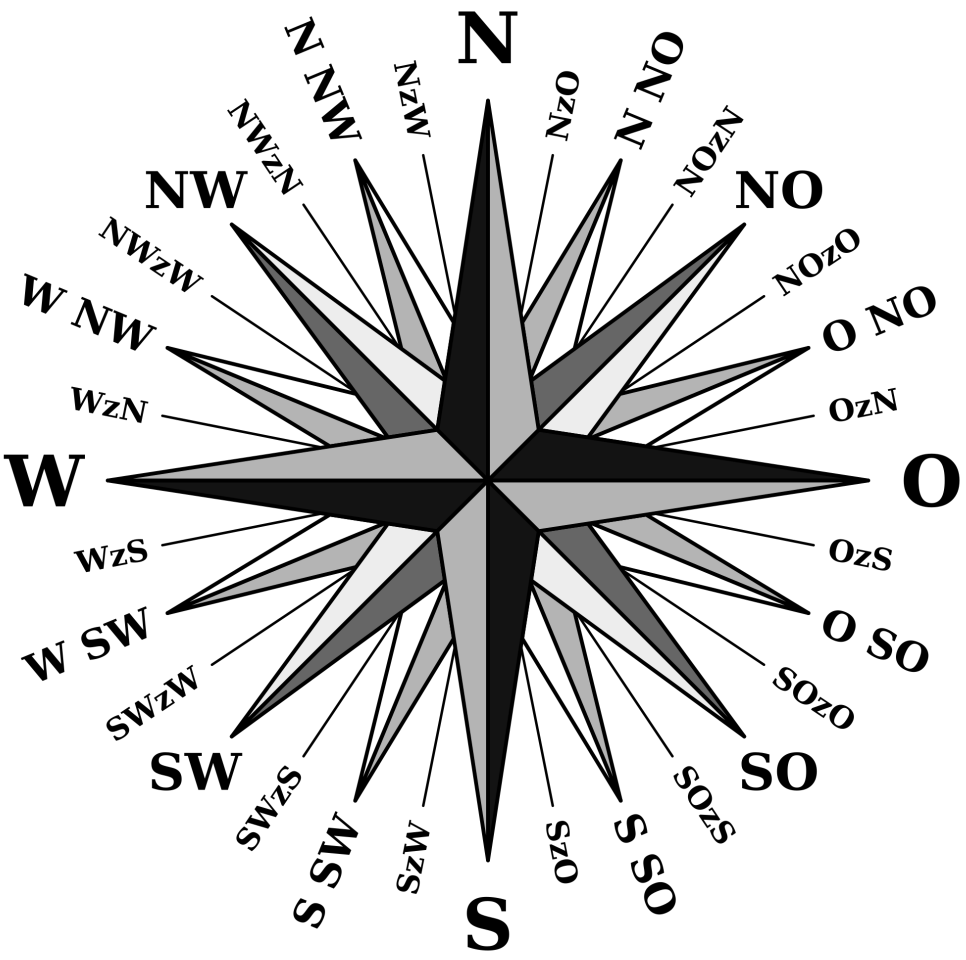
Group 5:

- Hafsa Bajwa
- Hanan El Rami
- Martine Rafteseth
- Aslak Sommervold

Group 6:

- Jessica Gierlach
- Sigrid Linn Lybekk
- Saurav Pandey
- Kasper Borgbjerg

course compass



the IPCC sixth assessment report
impacts, adaptation, and vulnerability

https://www.ipcc.ch/report/ar6/wg2/

BBC report:

1. Things are worse than we thought
2. Loss and damage gets scientific backing
3. **Technology is not a silver bullet**
4. Cities offer hope
5. The small window is closing fast

technofixes have rebound effects

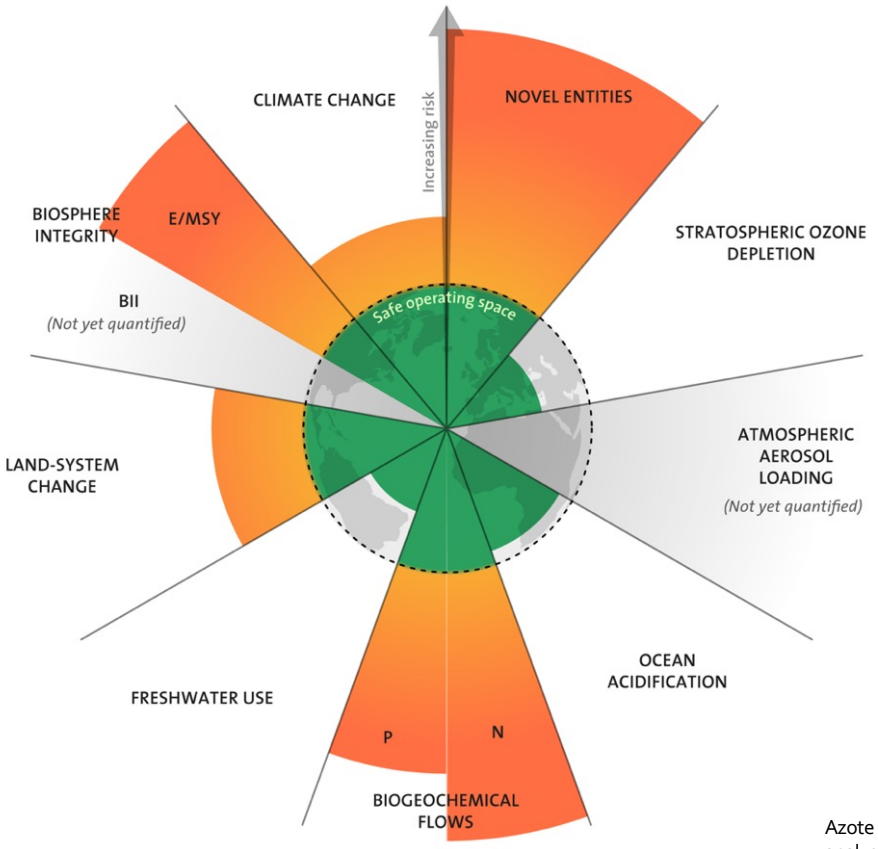
https://www.bbc.com/news/science-environment-60541816

Sustainable development

sustainability

Sustainable development is defined in the World Commission on Environment and Development's 1987 Brundtland report ´Our Common Future` as '**development that meets the needs of the present without compromising the ability of future generations to meet their own needs**'.

planetary boundaries framework

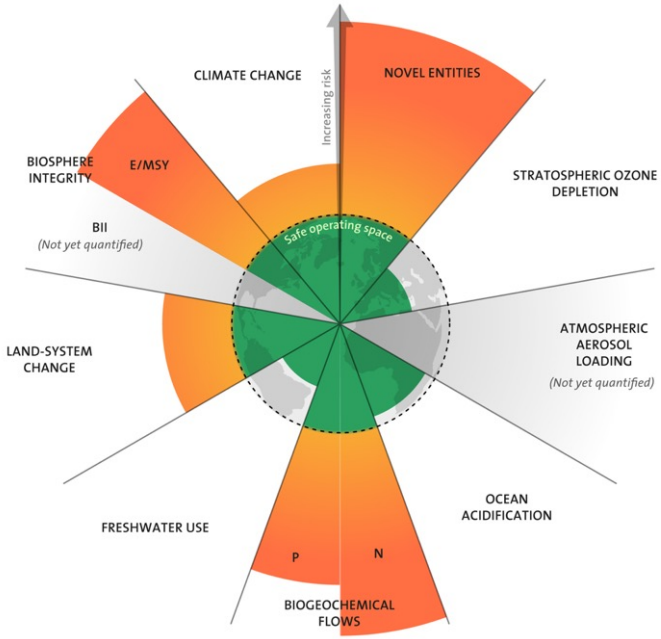


Azote and Stockholm Resilience Centre, based on analysis in Persson et al. 2022 and Steffen et al. 2015

a research-based definition of sustainability

Sustainable development is development that meets the needs of the present while **safeguarding Earth's life-support system**, on which the welfare of current and future generations depends

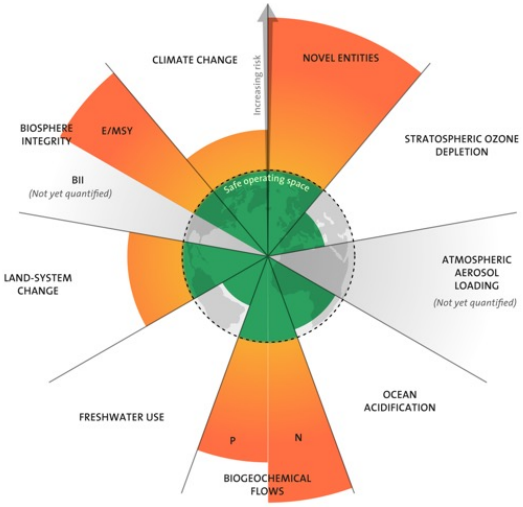
(Griggs et al., 2013)

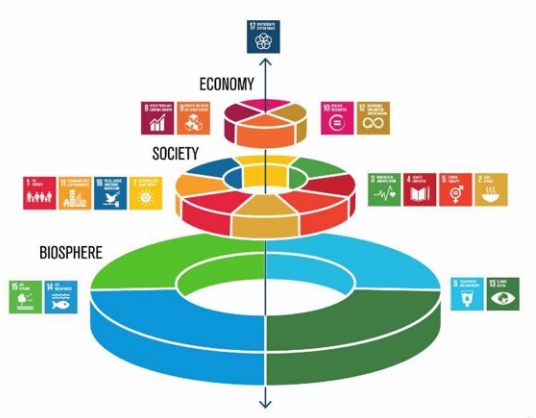


Azote and Stockholm Resilience Centre, based on analysis in Persson et al. 2022 and Steffen et al. 2015

sustainable development goals



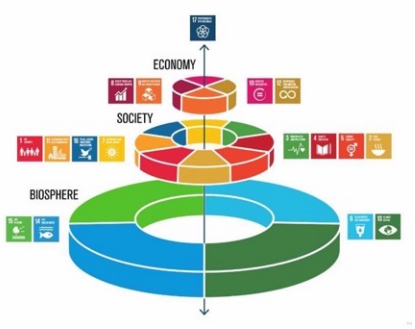




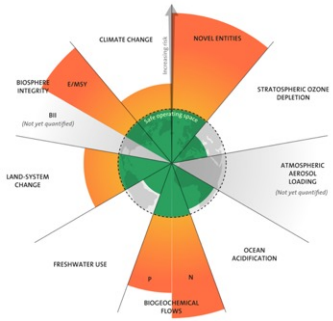
sustainable development goals

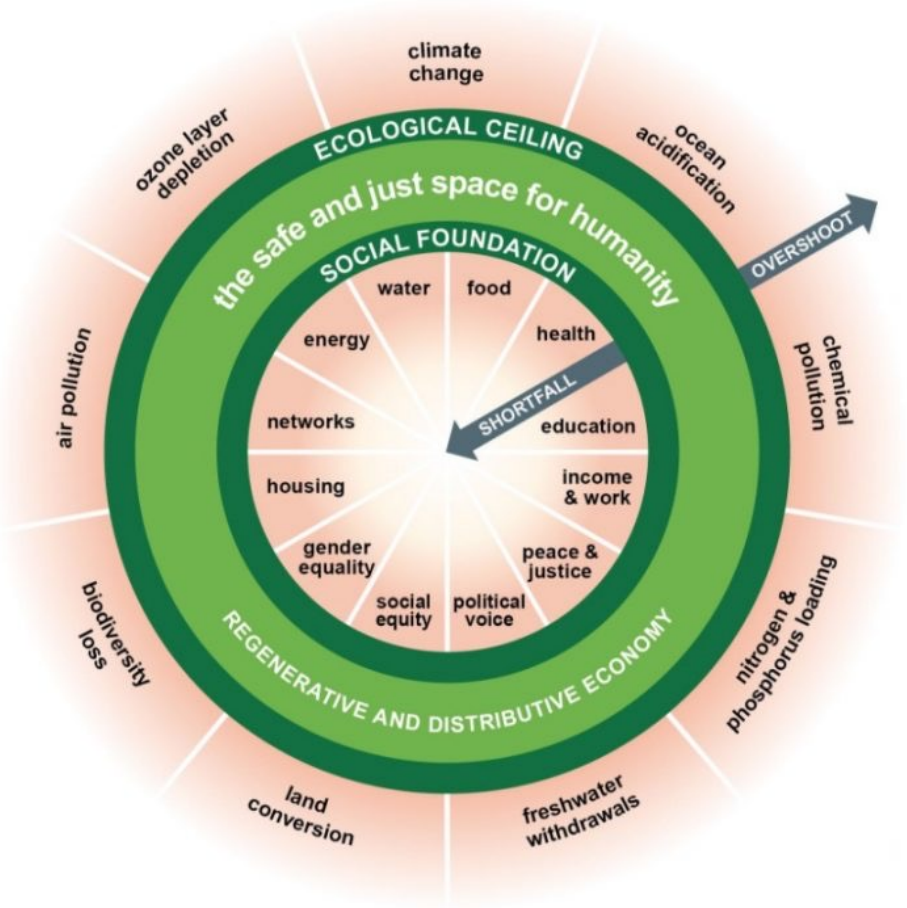


doughnut economics

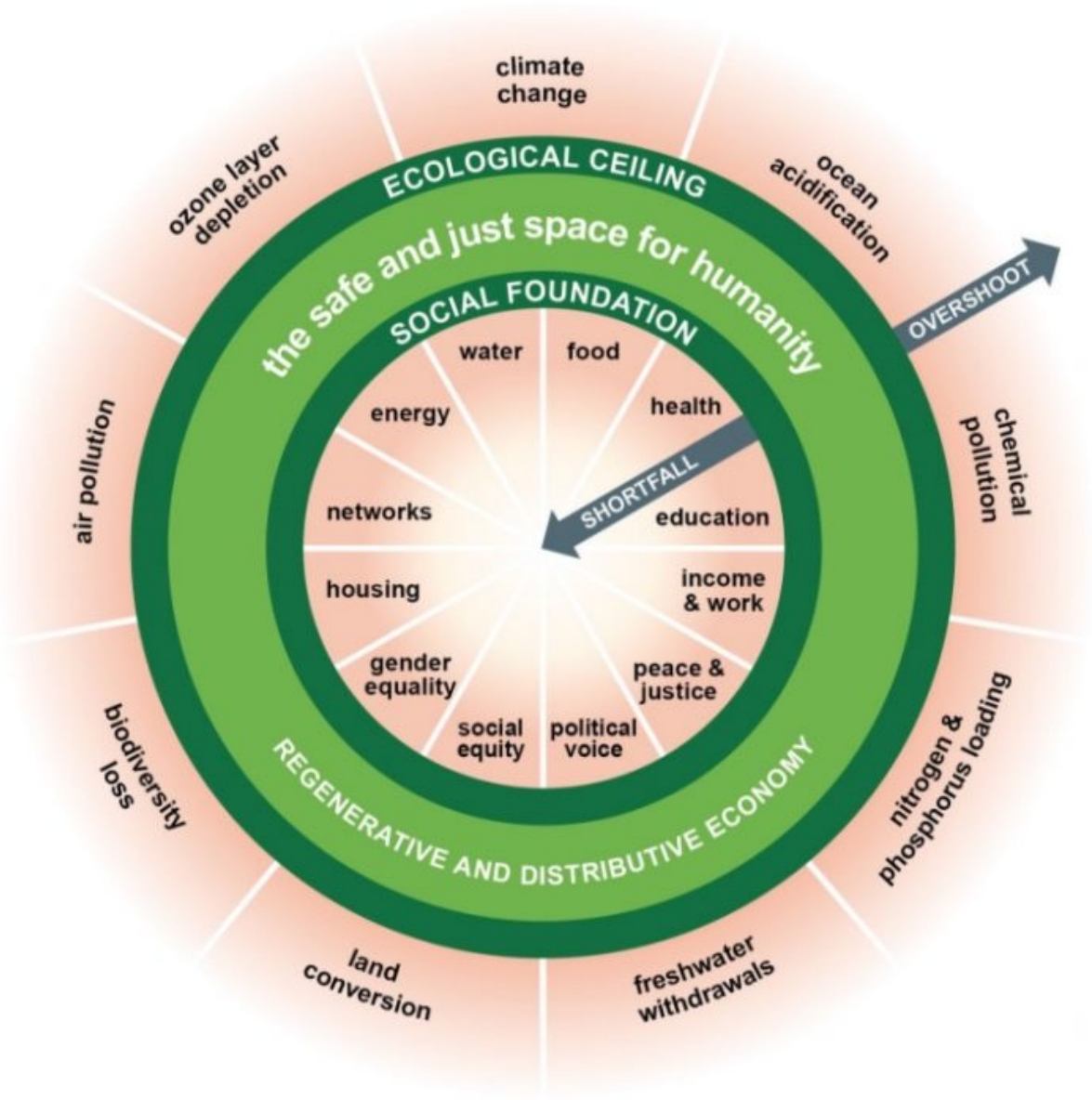


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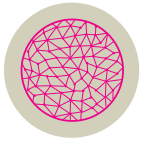
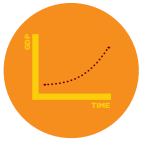




our compass


climate change
ocean acidification
chemical pollution
nitrogen & phosphorus loading
freshwater withdrawals
land conversion
biodiversity loss
air pollution
ozone layer depletion
ECOLOGICAL CEILING
the safe and just space for humanity
SOCIAL FOUNDATION
OVERSHOOT
SHORTFALL
water
food
health
education
income & work
peace & justice
political voice
social equity
gender equality
housing
networks
energy
REGENERATIVE AND DISTRIBUTIVE ECONOMY

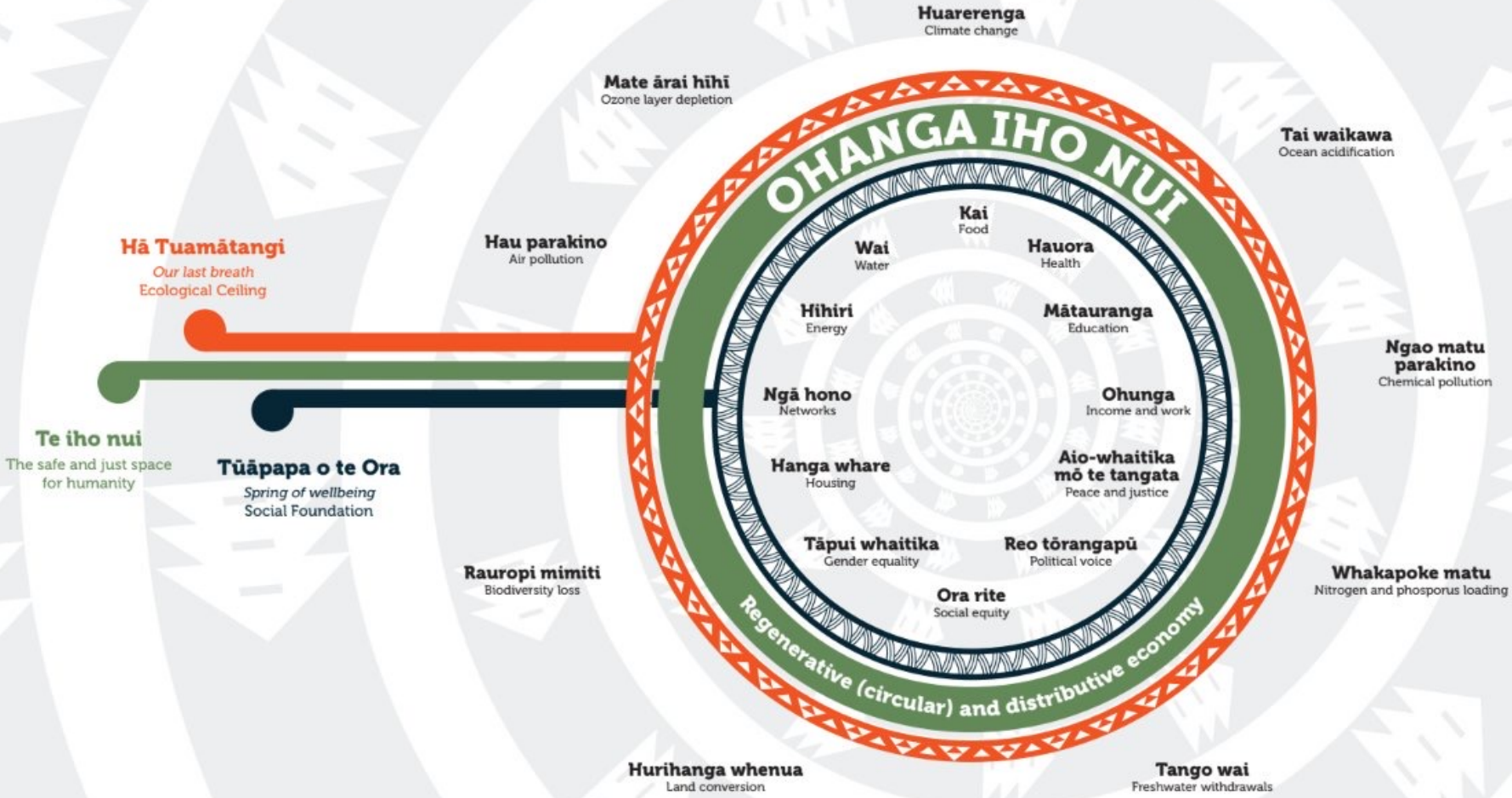
doughnut economics

7 WAYS TO THINK:	FROM 20TH CENTURY ECONOMICS	TO 21ST CENTURY ECONOMICS
1. CHANGE THE GOAL	 GDP	 THE DOUGHNUT
2. SEE THE BIG PICTURE	 SELF-CONTAINED MARKET	 EMBEDDED ECONOMY
3. NURTURE HUMAN NATURE	 RATIONAL ECONOMIC MAN	 SOCIAL ADAPTABLE HUMANS
4. GET SAVVY WITH SYSTEMS	 MECHANICAL EQUILIBRIUM	 DYNAMIC COMPLEXITY
5. DESIGN TO DISTRIBUTE	 GROWTH WILL EVEN IT UP AGAIN	 DISTRIBUTIVE BY DESIGN
6. CREATE TO REGENERATE	 GROWTH WILL CLEAN IT UP AGAIN	 REGENERATIVE BY DESIGN
7. BE AGNOSTIC ABOUT GROWTH	 GROWTH ADDICTED	 GROWTH AGNOSTIC

doughnut economics

7 WAYS TO THINK:	FROM 20TH CENTURY ECONOMICS	TO 21ST CENTURY ECONOMICS
1. CHANGE THE GOAL	GDP	THE DOUGHNUT
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indigenous doughnut



Source: https://www.resilience.org/stories/2020-10-08/an-indigenous-maori-view-of-doughnut-economics/

Kate Raworth on doughnut economics



https://youtu.be/qYpkRkPjZnM

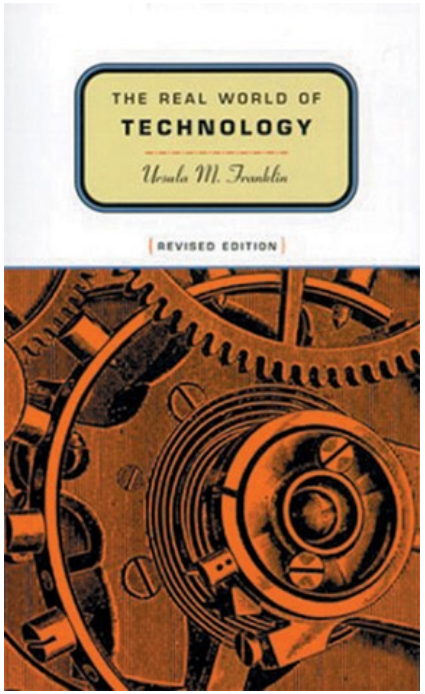
meeting 3

Theories of technology and Design

Understanding technology

Thursday March 3: 12:15 – 14:00

- Read: Franklin (1990)
  - pdf in Documents folder
  - audio: https://www.cbc.ca/player/play/14195315
- Make a list of words, concepts, definitions, phrases, etc. that are central in this text.



Explanation of group presentations and group project

micro writing

Write 3 minutes continuously – don't take your pen off the paper – write down whatever comes up in your mind.

Have this with you the next day we meet. Your micro-writing will be the basis for a short conversation with one of your colleagues at the start of the next meeting

You will never need to share you micro-writing notes!

! We do this every time !