

SUSTAINABLE DEVELOPMENT

Business Sustainability and ESG
Blended Intensive Programme

10th April, 2025



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SCHOOL OF BUSINESS
ADMINISTRATION IN KARVINA



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Responsibility Specialist**

**Guarantor of the master's
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Responsibility**

The Future of our planet...?



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AI prompt „Design a picture of the earth in a thousand/10 000 years“.



In a thousand years (deepai.org)



In a thousand years (Copilot)



In 10 000 years (Copilot)

Content



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1. Meaning of Sustainable Development
2. Introduction of the global risks
3. The planetary boundaries concept
4. Sustainable Development Goals (SDGs)
5. Measurability of SDGs goals
6. SDGs Good Practices



Source: Copilot (2024), AI prompt "Design an image for Corporate Social Responsibility"



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What do you think Sustainable Development means?



1. Meaning of Sustainable Development

The overall **goal** of sustainable development (SD) is the long-term stability of the economy and environment; this is only achievable through the integration and acknowledgement of economic, environmental, and social concerns throughout the decision making process.

- But what is sustainability? The definition of sustainability may be taken further and it is widely accepted that to achieve sustainability we must balance economic, environmental and social factors in equal harmony.
- Taking these **three pillars** of sustainability further if we only achieve two out of three pillars then we end up with:

$$\text{Social} + \text{Economic Sustainability} = \text{Equitable}$$
$$\text{Social} + \text{Environmental Sustainability} = \text{Bearable}$$
$$\text{Economic} + \text{Environmental Sustainability} = \text{Viable}$$
- Only through balancing Economic + Social + Environmental can we achieve true Sustainability.





Fifty Years of Progress on Sustainable Development

Video: <https://youtu.be/mlnzlwX2fjE>






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Why should we be interested in Sustainable Development?

 0/0

2. Introduction of the global risks

The 20th edition of the **Global Risks Report 2025** reveals an increasingly fractured global landscape, where escalating geopolitical, environmental, societal and technological challenges threaten stability and progress.



Global Risks Report 2025

<https://www.weforum.org/publications/global-risks-report-2025/>

FIGURE C

Global risks ranked by severity over the short and long term

"Please estimate the likely impact (severity) of the following risks over a 2-year and 10-year period."

Risk categories

- Economic
- Environmental
- Geopolitical
- Societal
- Technological

2 years

1 st	Misinformation and disinformation
2 nd	Extreme weather events
3 rd	State-based armed conflict
4 th	Societal polarization
5 th	Cyber espionage and warfare
6 th	Pollution
7 th	Inequality
8 th	Involuntary migration or displacement
9 th	Goeconomic confrontation
10 th	Erosion of human rights and/or civic freedoms

10 years

1 st	Extreme weather events
2 nd	Biodiversity loss and ecosystem collapse
3 rd	Critical change to Earth systems
4 th	Natural resource shortages
5 th	Misinformation and disinformation
6 th	Adverse outcomes of AI technologies
7 th	Inequality
8 th	Societal polarization
9 th	Cyber espionage and warfare
10 th	Pollution

Source

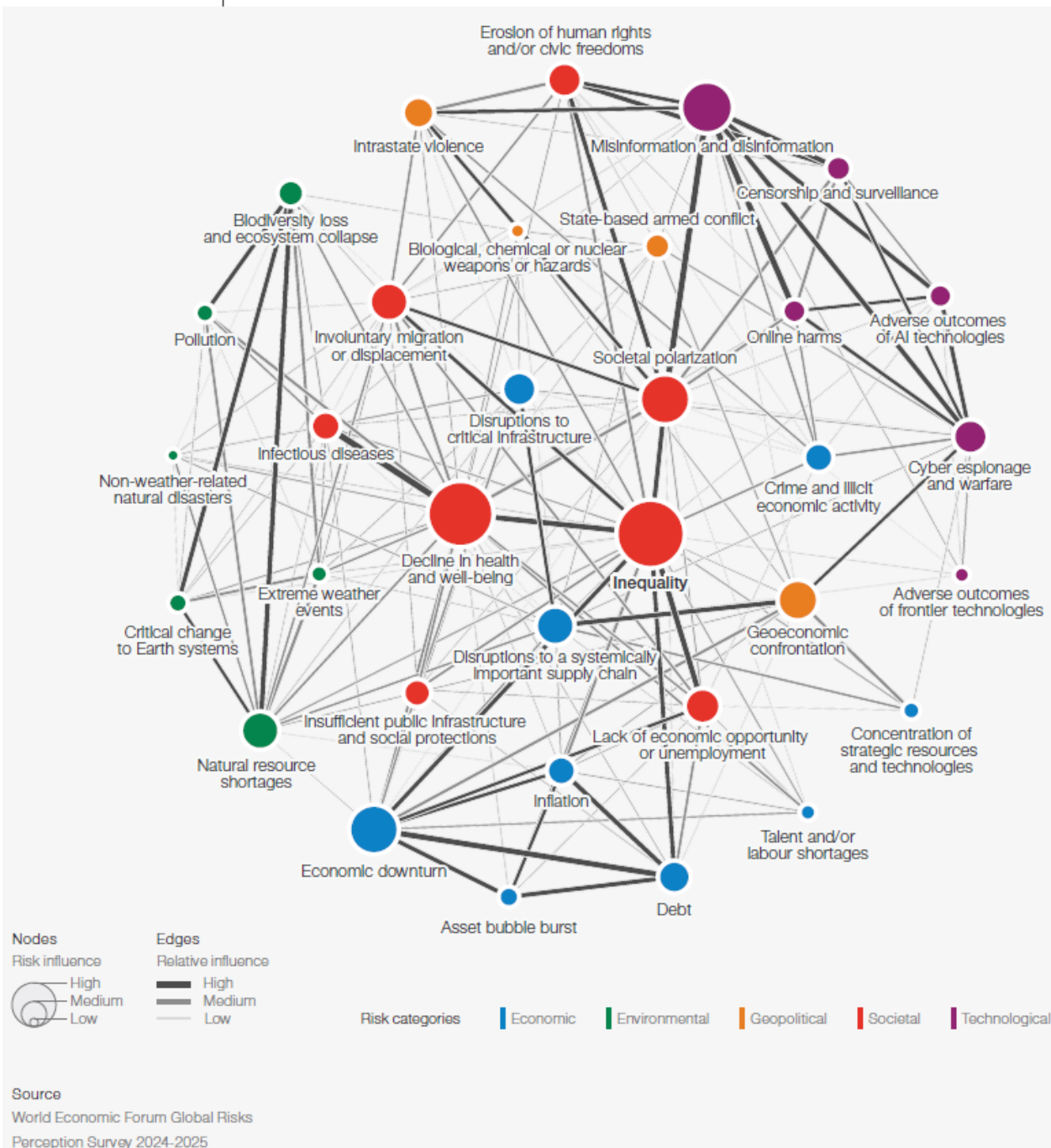
World Economic Forum Global Risks Perception Survey 2024-2025.

2. Introduction of the global risks



FIGURE D

Global risks landscape: An interconnections map³



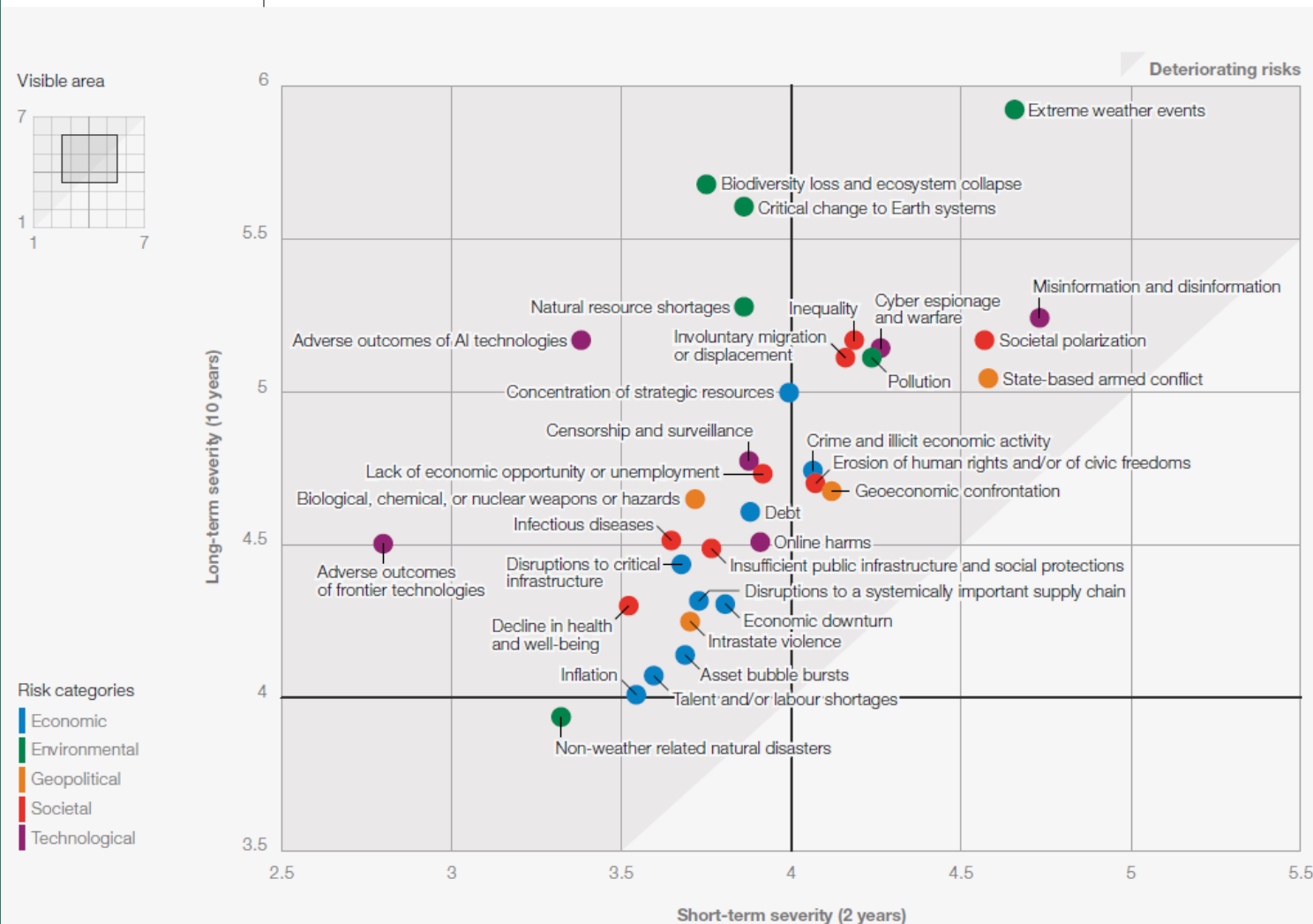
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2. Introduction of the global risks



FIGURE E

Relative severity of global risks over a 2- and 10-year period



Source

World Economic Forum Global Risks Perception Survey
2024-2025.

Note

Severity was assessed on a 1-7 Likert scale [1 = Low severity, 7 = High severity].



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Why should we be interested in sustainable development?

Because...

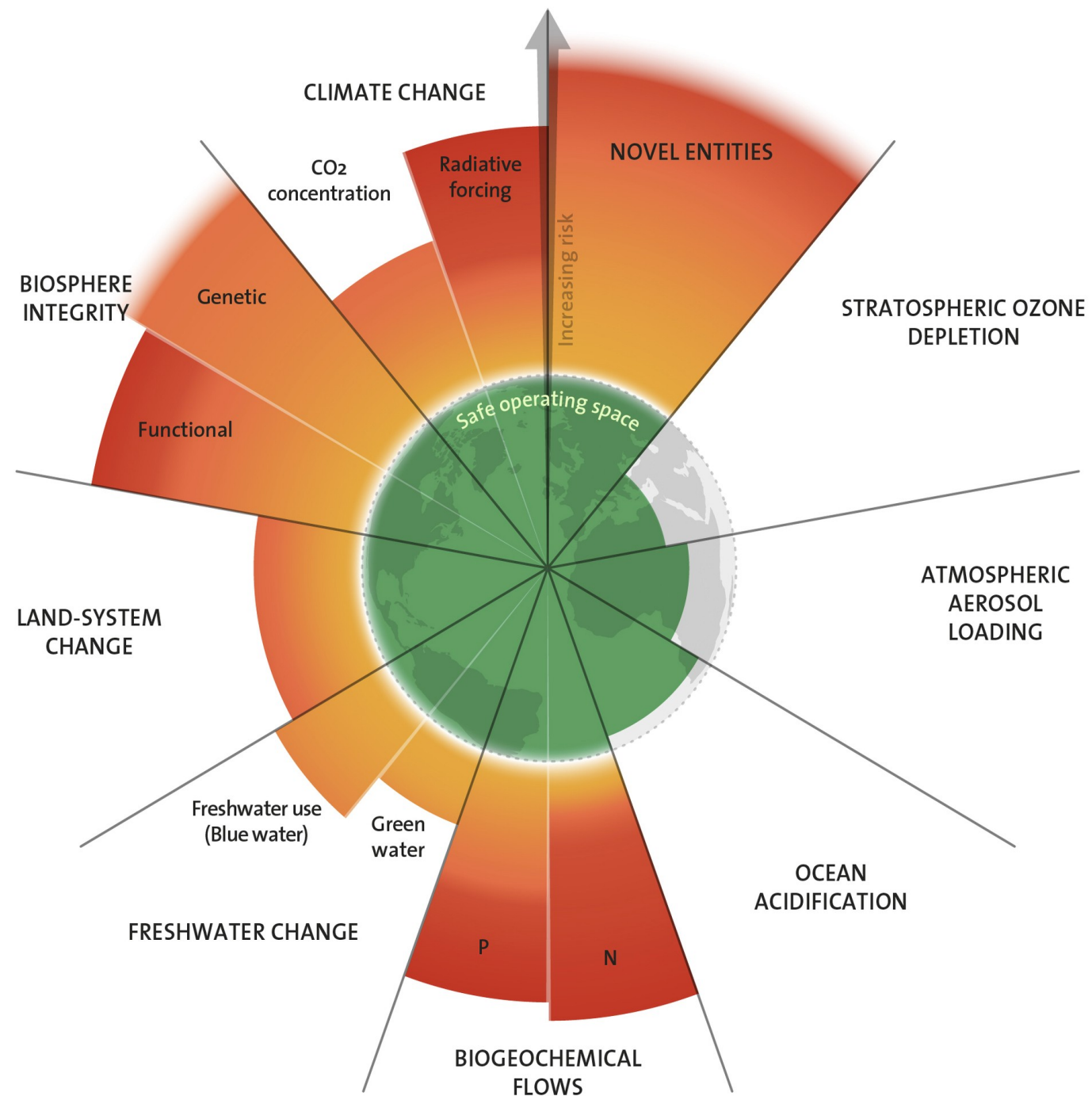
- **Humanity is eroding the biological and physical resilience of Earth's physical systems** by transgressing environmental limits that endanger their functioning: the “**planetary boundaries**” that regulate the Earth system.
- The scientific evidence points to global risks well beyond **climate change**, including the **loss of biodiversity** and ecological functions, **changes in natural land** use configuration, **overuse of both green and blue water**, **overloading of nitrogen and phosphorus**, and widespread **chemical pollution**.

Want to know more?

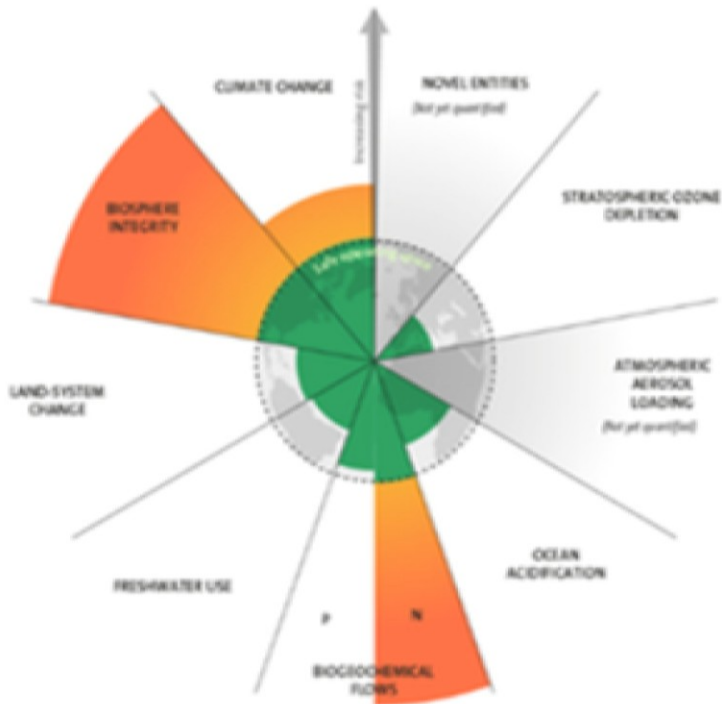
- [Climate Change](#)
- [Soil Degradation](#)
- [Global Warming](#)
- [Overpopulation](#)
- [Natural Resource Depletion](#)
- [Microplastic Pollution](#)
- [Ambient \(outdoor\) Air Pollution](#)
- [Generating Unsustainable Waste \(The impact of textile production and waste on the environment\)](#)
- and more...

3. The planetary boundaries concept

- The planetary boundaries concept presents a set of **nine** planetary boundaries within which humanity can continue to develop and thrive for generations to come.
- In September 2023, a [team of scientists](#) quantified, for the first time, all nine processes that regulate the stability and resilience of the Earth system.
- From global warming to the biosphere and deforestation, from pollutants and plastic to nitrogen cycles and freshwater: **Six of nine planetary boundaries are being crossed**, while simultaneously pressure in all boundary processes is increasing, new research published in the journal [Science Advances](#) shows.



2009



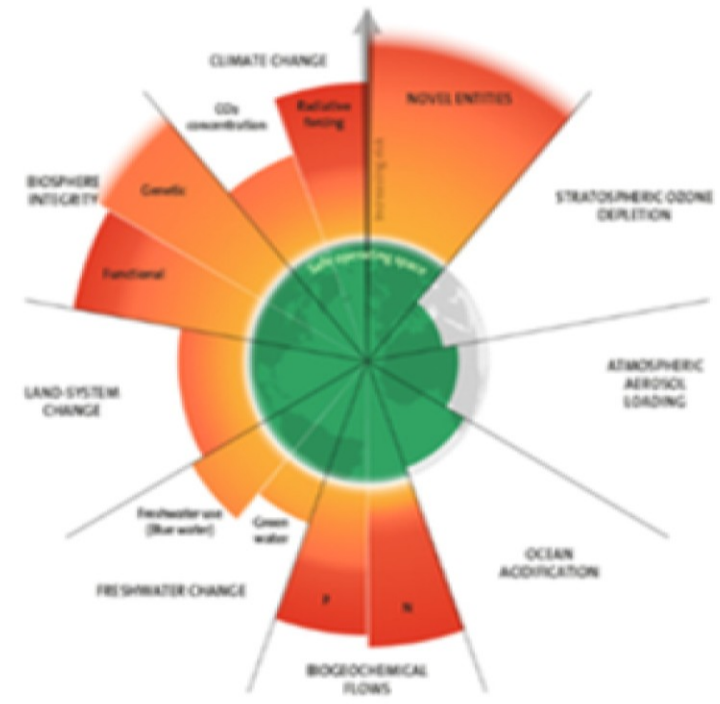
7 boundaries assessed,
3 crossed

2015



7 boundaries assessed,
4 crossed

2023

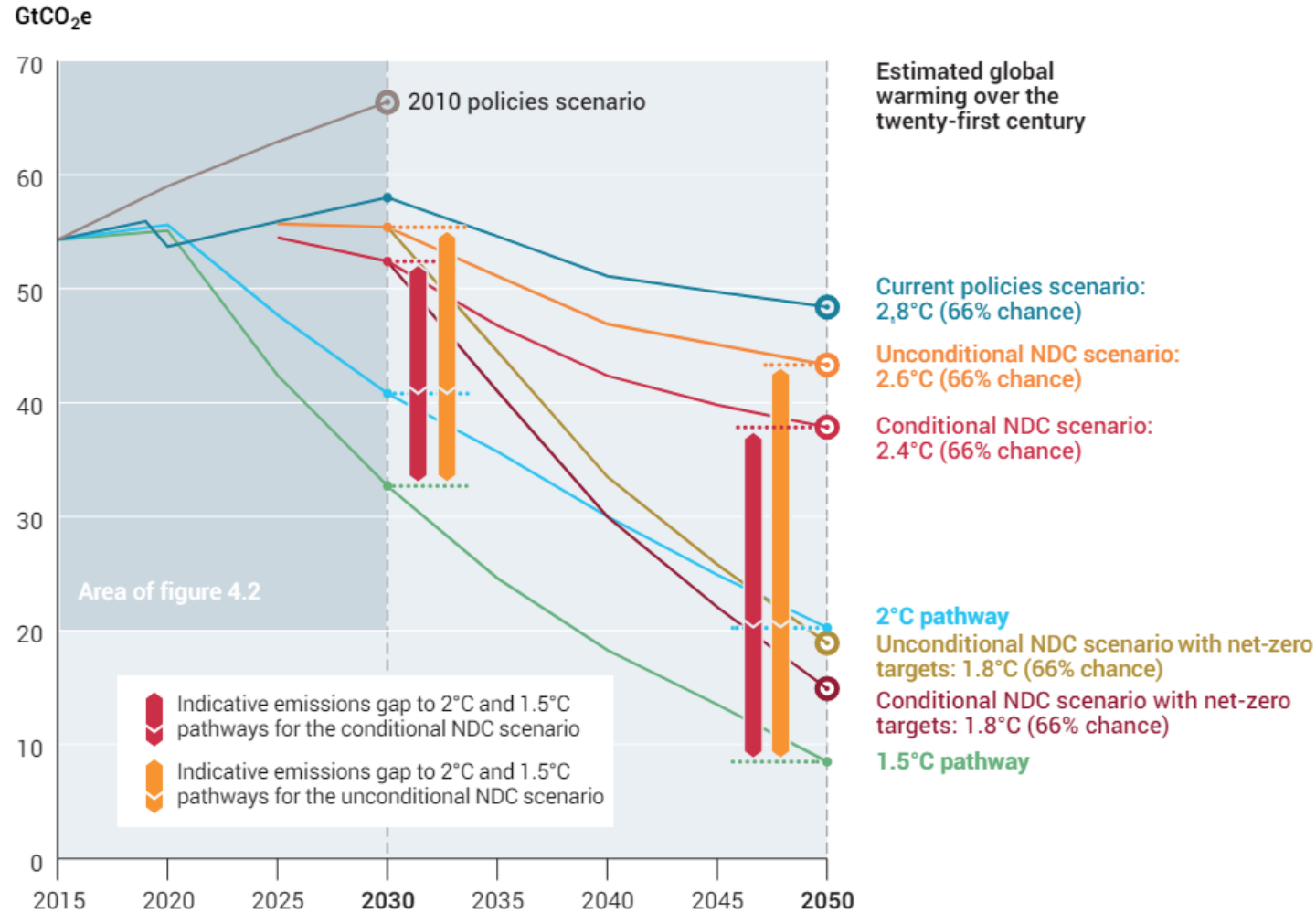


9 boundaries assessed,
6 crossed

Projected global warming under alternative policy scenarios



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Source: UNEP, Emissions Gap Report 2022

The interconnected environmental, social, and health challenges can be characterized as a **planetary health crisis**, caused by human activities such as industrialization, urbanization, deforestation, and the burning of fossil fuels.

The **consequences** of inaction in the face of this crisis are significant and far-reaching, affecting both the natural systems that sustain life on Earth and the wellbeing of human societies.

3. Sustainable Development Goals (SDGs)

Do you know all 17 SDGs?



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The 2030 Agenda for Sustainable Development, adopted by all **United Nations Member States in 2015**, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future.

At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries - developed and developing - in a global partnership.

They recognize that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working to preserve our oceans and forests.

<https://sdgs.un.org/goals>



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SUSTAINABLE DEVELOPMENT GOALS



**United
Nations**



**SUSTAINABLE DEVELOPMENT
SOLUTIONS NETWORK**
A GLOBAL INITIATIVE FOR THE UNITED NATIONS

ENSURE INCLUSIVE AND EQUITABLE QUALITY EDUCATION AND
PROMOTE LIFELONG LEARNING OPPORTUNITIES FOR ALL

BUILD RESILIENT INFRASTRUCTURE, PROMOTE INCLUSIVE AND
SUSTAINABLE INDUSTRIALIZATION AND FOSTER INNOVATION



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DESPITE SLOW PROGRESS,

THE WORLD IS FALLING FAR BEHIND IN ACHIEVING QUALITY EDUCATION

WITHOUT ADDITIONAL MEASURES, BY 2030:



84 MILLION

CHILDREN AND YOUTH
WILL BE OUT OF SCHOOL



300 MILLION

STUDENTS WILL LACK
BASIC NUMERACY/LITERACY
SKILLS



ONLY 1 IN 6

COUNTRIES WILL
ACHIEVE UNIVERSAL
SECONDARY SCHOOL
COMPLETION TARGET



THE PANDEMIC

CAUSED
LEARNING
LOSSES
IN **4 IN 5** OF
104 COUNTRIES
STUDIED



LOW- AND LOWER-
MIDDLE-INCOME COUNTRIES
FACE A NEARLY

\$100 BILLION

ANNUAL
FINANCING GAP
TO REACH THEIR
EDUCATION TARGETS

GLOBAL MANUFACTURING

GROWTH SLOWED FROM

2021 **7.4%**

2022 **3.3%**

DUE TO



INFLATION



ENERGY PRICE
SHOCKS



SUPPLY
DISRUPTIONS



GLOBAL ECONOMIC
DECCELERATION

ENERGY-RELATED

CO₂ EMISSIONS

REACHED

36.8 BILLION

METRIC TONS IN 2022

A RECORD HIGH



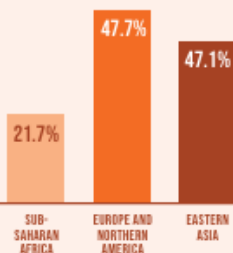
MEDIUM-HIGH AND HIGH-TECHNOLOGY

INDUSTRIES EXPERIENCED

STRONG GROWTH IN 2022

BUT WITH REGIONAL VARIATION

SHARE IN TOTAL MANUFACTURING



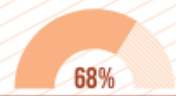
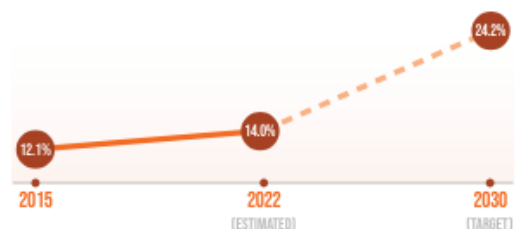
PRIMARY AND SECONDARY SCHOOL COMPLETION
RATES ARE **RIISING**, BUT THE PACE IS SLOW AND UNEVEN

COMPLETION RATES



LDCs ARE LIKELY TO MISS THEIR 2030 TARGET
OF DOUBLING MANUFACTURING SHARE OF GDP

MANUFACTURING VALUE AS A SHARE OF GDP IN LDCs



95% OF THE WORLD

HAS **MOBILE BROADBAND ACCESS** (3G OR HIGHER) (2022)

BUT COVERAGE IS ONLY **82% IN SUB-SAHARAN AFRICA** AND **68% IN OCEANIA***



Examples of SDGs 4 and 9, Source: <https://www.un.org/sustainabledevelopment/blog/2023/08/what-is-sustainable-development/>

CONSERVE AND SUSTAINABLY USE THE OCEANS, SEA AND MARINE RESOURCES FOR SUSTAINABLE DEVELOPMENT

PRESERVE THE BLUE, PROTECT THE EARTH:
URGENT ACTIONS NEEDED TO SAFEGUARD
THE PLANET'S **LARGEST ECOSYSTEM**



OCEAN EMERGENCY



COASTAL EUTROPHICATION:
CAUSING ALGAL BLOOMS AND DEAD ZONES



OCEAN ACIDIFICATION:
30% HIGHER THAN IN PRE-INDUSTRIAL TIMES



OCEAN WARMING:
SEA-LEVEL RISE AND AFFECTING MARINE ECOSYSTEMS



PLASTIC POLLUTION:
17 MILLION METRIC TONS IN 2021-2-3X MORE BY 2040



OVER-FISHING:
MORE THAN A THIRD OF GLOBAL FISH STOCKS ARE OVERFISHED

CITIZEN SCIENCE BEACH CLEAN-UPS

SHED LIGHT ON THE MAGNITUDE OF
OCEAN PLASTIC POLLUTION



SUFFOCATING SEAS

COASTAL EUTROPHICATION TRIGGERS
CRUSTACEAN WALKOUTS

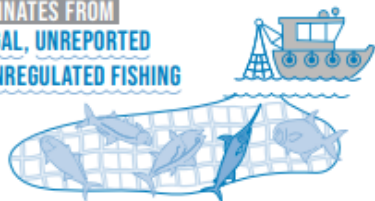


OCEAN ACIDIFICATION
REPORTING STATIONS HAVE
TRIPLED WORLDWIDE



2021: 178 STATIONS
2022: 308 STATIONS
2023: 539 STATIONS

1 IN 5 FISH CAUGHT
ORIGINATES FROM
ILLEGAL, UNREPORTED
AND UNREGULATED FISHING



ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS

HIGH-INCOME COUNTRIES
LEAVE A **LARGER ENVIRONMENTAL FOOTPRINT** COMPARED TO
LOW-INCOME COUNTRIES

MATERIAL FOOTPRINT PER CAPITA IN HIGH-INCOME COUNTRIES IS

10 TIMES THAT OF LOW-INCOME COUNTRIES

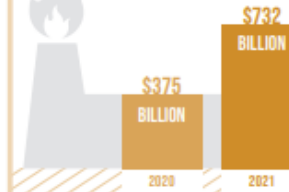
MATERIAL FOOTPRINT PER CAPITA



2.5 METRIC TONS

HIGH-INCOME COUNTRIES
LOW-INCOME COUNTRIES

DESPITE CALLS FOR
A **PHASE-OUT**
FOSSIL FUEL SUBSIDIES
RETURN AND NEARLY
DOUBLED, TRIGGERED
BY GLOBAL CRISES



ON AVERAGE,
EACH PERSON
WASTES
120
KILOGRAMS

OF FOOD **PER YEAR**

COMPANY SUSTAINABILITY
REPORTING HAS **TRIPLED**
SINCE 2016



SUSTAINABILITY

PATHWAY

62 COUNTRIES + EU
INTRODUCED

485 POLICIES

FOR SUSTAINABLE
CONSUMPTION AND
PRODUCTION SHIFTS
(2019-2023)



5. Measurability of SDGs goals

Discover....



From this report you can:

- View Rankings & Scores
- Explore Interactive Maps
- Analyse Country Profiles
- Try the Data Explorer
- Download Report and Materials

Methodology of this report

<https://dashboards.sdgindex.org/chapters/methodology#a-3-methodology-overview>

Source: <https://dashboards.sdgindex.org/>
<https://dashboards.sdgindex.org/map>

Sustainable Development – Dashboard Rankings



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SUSTAINABLE DEVELOPMENT REPORT				SUSTAINABLE DEVELOPMENT REPORT			
Chapters				Chapters			
Rankings				Rankings			
Interactive Map				Interactive Map			
Country Profiles				Country Profiles			
Rank	Country	Score					
			14	Spain		80.70	
			15	Estonia		80.46	
1	Finland	86.35	16	Portugal		80.22	
2	Sweden	85.70	17	Belgium		80.04	
3	Denmark	85.00	18	Japan		79.87	
4	Germany	83.45	19	Iceland		79.54	
5	France	82.76	20	Hungary		79.53	
6	Austria	82.55	21	Slovak Republic		79.35	
7	Norway	82.23	22	Switzerland		79.30	
8	Croatia	82.19	23	Italy		79.29	
9	United Kingdom	82.16	24	Netherlands		79.21	
10	Poland	81.69	25	Canada		78.83	
11	Slovenia	81.34	26	New Zealand		78.81	
12	Czechia	81.26	27	Moldova		78.81	
13	Latvia	80.99	28	Ireland		78.72	

Countries are ranked by their overall score.

The overall score measures the total progress towards achieving all 17 SDGs.

The score can be interpreted as a percentage of SDG achievement.

A score of 100 indicates that all SDGs have been achieved.

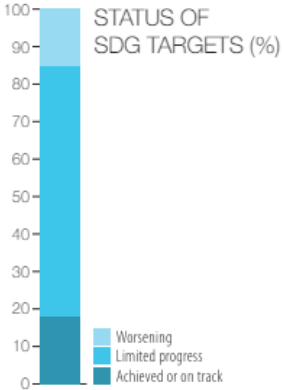
Source: <https://dashboards.sdindex.org/rankings>

WORLD – Overall Performance SDGs

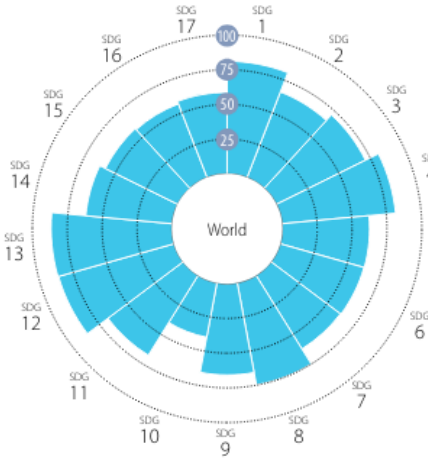


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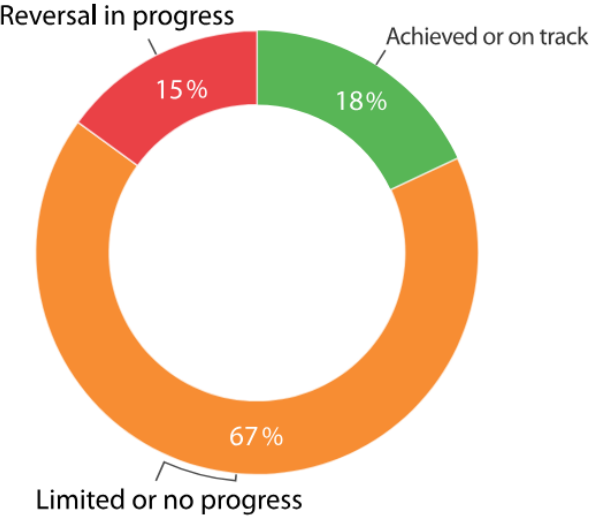
OVERALL PERFORMANCE



AVERAGE PERFORMANCE BY SDG



Status on individual SDG targets at the midpoint of the 2030 Agenda



Source: Authors' analysis

The world's top five countries in terms of SDG targets achieved or on track, and those with the greatest percentage of targets showing a reversal in progress

The 5 countries with the largest number of targets achieved or on track	The 5 countries with the largest number of targets showing reversal in progress
Denmark	Myanmar
Czechia	Venezuela, RB
Estonia	Papua New Guinea
Latvia	Yemen, Rep.
Slovak Republic	Lebanon

Source: Authors' analysis

SDG DASHBOARDS AND TRENDS



Major challenges Significant challenges Challenges remain SDG achieved Information unavailable
Decreasing Stagnating Moderately improving On track or maintaining SDG achievement Information unavailable

Note: The full title of each SDG is available here: <https://sustainabledevelopment.un.org/topics/sustainabledevelopmentgoals>

6. SDGs Good Practices

Discover....



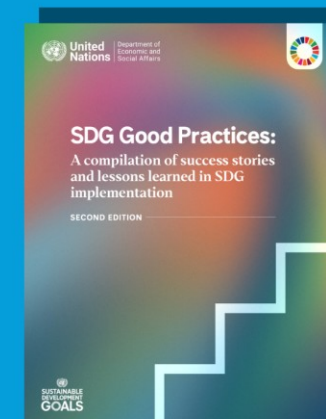
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NEW Publication Available!

SDG Good Practices

A compilation of success stories
and lessons learned in SDG
implementation - SECOND EDITION

Download now: bit.ly/SDGoodPractices2ndEdition



Source: <https://sdgs.un.org/sdg-good-practices>

SDGs Good Practices

EU External Investment Plan (EIP), including the European Fund for Sustainable Development

- Implemented by the European Commission to help generate jobs, growth and prosperity in countries neighbouring the EU and in Africa. This investment helps to bridge the gap between Available financing and the financing needed to create jobs, to boost growth, and to meet the other SDGs.
- The European Fund for Sustainable Development has allocated €3.5 billion through the Plan for grants for blending projects, financing 181 in total. This should bring in about €32.6 billion in overall investment.

Partnership for Action on Green Economy

- PAGE is a global partnership which unites five United Nations agencies, namely UNEP, the ILO, UNDP, UNIDO and UNITAR. Total contributions US \$87m.
- The partnership provides integrated and holistic support to countries on eradicating poverty; increasing jobs and social equity; strengthening livelihoods and environmental stewardship and sustaining growth; ensuring coherence; and avoiding duplication of efforts

...And more....visit <https://sdgs.un.org/sites/default/files/2022-03/SDGs%20Good%20Practices%20-%20second%20edition%20-%20FINAL%20FEB092022.pdf>

SDGs Good Practices - example



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4 QUALITY
EDUCATION



Engineer Girls of Turkey

UNDP Turkey Country Office | Turkey

Engineer Girls of Turkey (EGT) Project concentrates on developing a private sector driven gender equality mainstreaming program to promote female students participation in engineering professions, and empowering female engineering students. The project evolves around three main components: (1) formulating of an analytical framework to show obstacles and developing of a long-term evaluation plan; (2) implementing a support program for both female engineering students and high school students and (3) developing institutional inclusive work models to adopt and advocate gender sensitive approach.



SDGs Good Practices - example



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Promoting youth and female participation in the delivery of public infrastructure

CoST | Guatemala



CoST-the Infrastructure Transparency Initiative (CoST) promotes transparency, participation and accountability in public infrastructure worldwide. In partnership with USAID, CoST Guatemala launched a series of social audit workshops to build the capacity of young community leaders to monitor infrastructure projects. The practice was two-fold: investing in empowering and training the growing youth generation in Guatemala and strengthening project oversight and accountability. The workshops combined theoretical and practical activities covering access to project information and data portals, infrastructure transparency as means to ensure accountability and mechanisms of citizen participation.



SDGs Good Practices - examplex



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#EUBeachCleanup

European Commission | Worldwide

#EUBeachCleanup is a worldwide awareness-raising and ocean activism campaign to mobilize against marine pollution based on bottom-up local initiatives sharing a common global message and branding: "The ocean starts with you!" Partners can engage by participating in one of the many cleanup events organized by EU staff and partners or through changing daily consumption and waste management habits. Organized since 2018, the campaign has been rapidly expanding. #EUBeachCleanup is organized annually over 4-6 weeks, peaking in the second half of September.



03

SDGs Good Practices - example



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17 PARTNERSHIPS
FOR THE GOALS





Institutionalization and Implementation of Government-CSO partnership to effectively fulfill and achieve SDGs

Korean NGO Council for Overseas Development Cooperation | Worldwide





To improve Civil society's participation in sustainable development processes and accountability mechanisms, a Government-Civil Society partnership was established in 2017. More than 150 Civil Society Organizations (CSOs), including members of the Korea NGO Council for Overseas Development Cooperation (KCOC) and Korea Civil Society Forum on International Development Cooperation (KoFID), have collaborated with the Office for Government Policy Coordination of Prime Minister's Secretariat, the Ministry of Economy and Finance, the Ministry of Foreign Affairs, EDCF (Economic Development Cooperation Fund) and KOICA (Korea International Cooperation Agency). The partnership reached 31 implementation tasks in 2021 through mutual discussion and agreement, and funds were provided for humanitarian assistance in response of COVID-19 in 30 countries. To monitor the status of the partnership, a special meeting is convened twice a year and the latest results have been included into the 2021 Korean Civil Society Contribution Report for HLPF.



Key Takeaways




Chinmay Jadhav
Senior Writer, Forum Agenda

Share:


OUR IMPACT
What's the World Economic Forum doing to **accelerate action on Forum Institutional?**


This article is part of:
[Sustainable Development Impact Meetings](#)

 Listen to the article 4 min listen

- The World Economic Forum's Sustainable Development Impact Meetings took place this week.
- Here's just a snapshot of some of the discussions and key talking points.
- Visit wef.ch/sdim22 to learn more and watch sessions back.

Leaders from across industries and sectors gathered for our Sustainable Development Impact Meetings this week.

The meetings were convened at the same time as the United Nations General Assembly and brought together leaders from business, government, civil society, and innovators and entrepreneurs to address some of the biggest challenges facing us all.



The World Economic Forum's Sustainable Development Impact Meetings...

Visit:

<https://www.weforum.org/stories/2022/09/key-takeaways-sustainable-development-impact-meetings/>

Play the game!

<https://www.hrazalepsisvet.cz/en>



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What are you taking away from the lecture?

 0/0



RE-OPEN

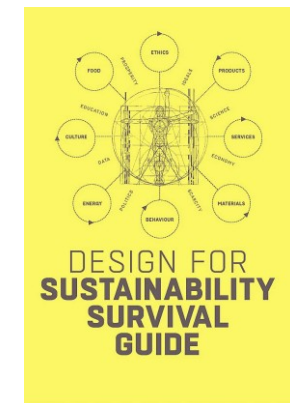
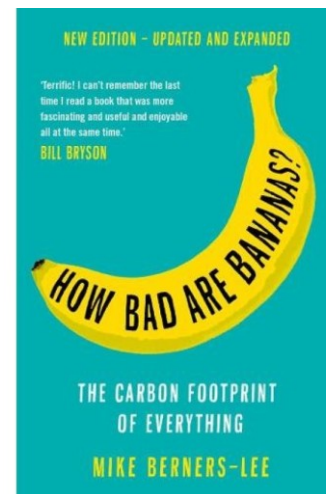
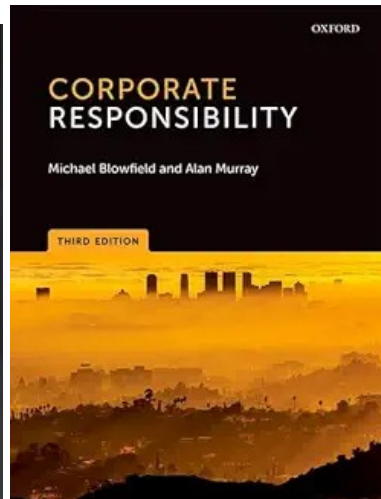
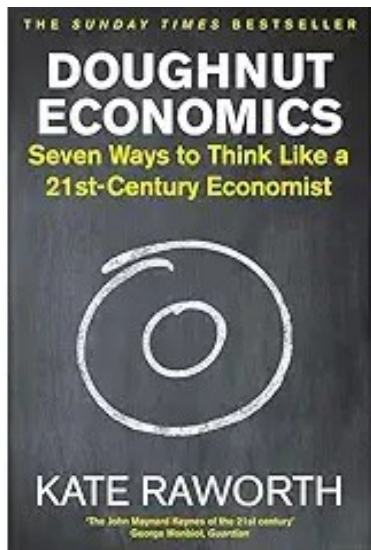
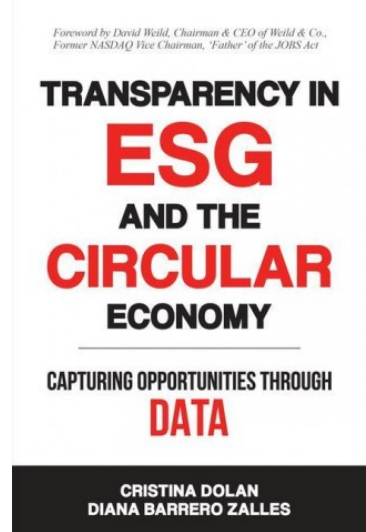
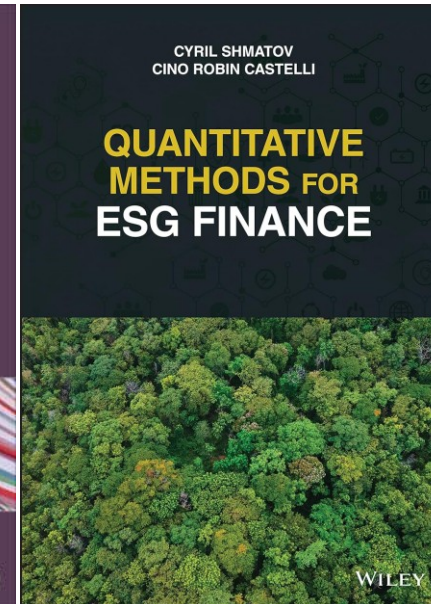
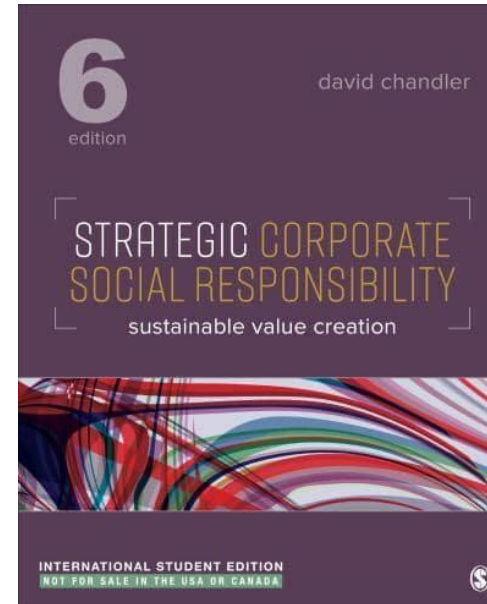
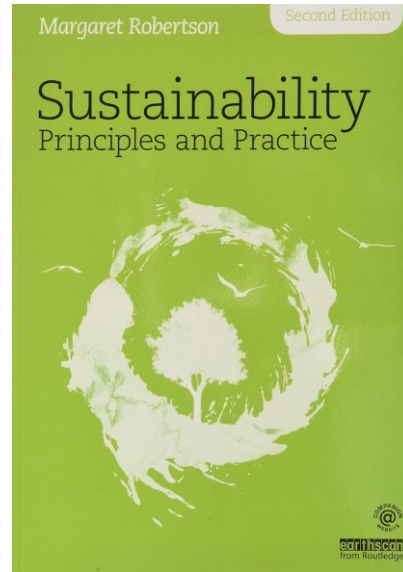
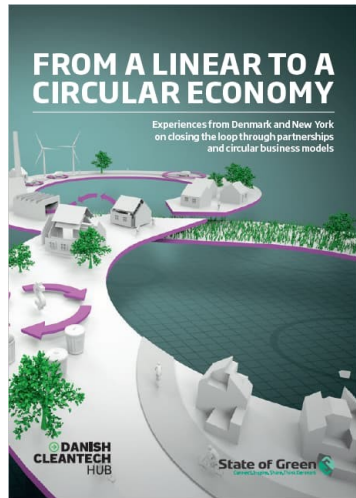


WHAT ARE YOU TAKING
AWAY FROM THE... 3/3



**Use the infographic
and visualize today's lecture!**

Explore publications...



Thank you for your attention

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