

# SUSTAINABLE DEVELOPMENT

Business Sustainability and ESG  
Blended Intensive Programme

10th April, 2025



**SILESIAN  
UNIVERSITY**  
SCHOOL OF BUSINESS  
ADMINISTRATION IN KARVINA



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Economics and  
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course Corporate Social  
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# The Future of our planet...?

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)



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## 1. Meaning of Sustainable Development

## 2. Introduction of the global risks

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## 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*"

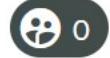


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What do you think Sustainable Development means?



# 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:
  - Social + Economic Sustainability = Equitable
  - Social + Environmental Sustainability = Bearable
  - Economic + Environmental Sustainability = Viable
- Only through balancing Economic + Social + Environmental can we achieve true Sustainability.





International Institute for  
Sustainable Development

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

#### 10 years

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

#### Source

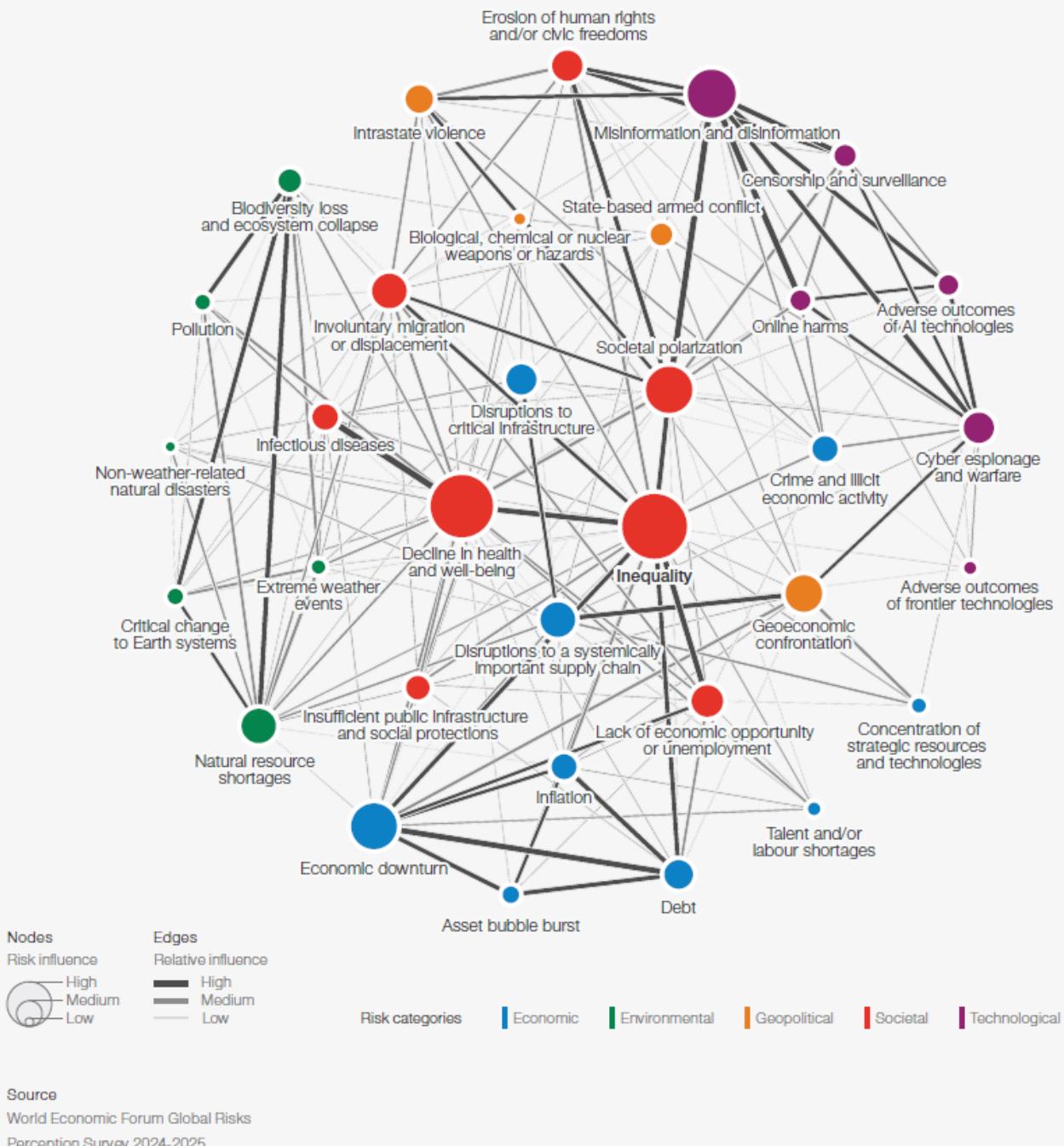
World Economic Forum Global Risks Perception Survey 2024-2025.

## 2. Introduction of the global risks



## FIGURE D

## Global risks landscape: An interconnections map<sup>3</sup>

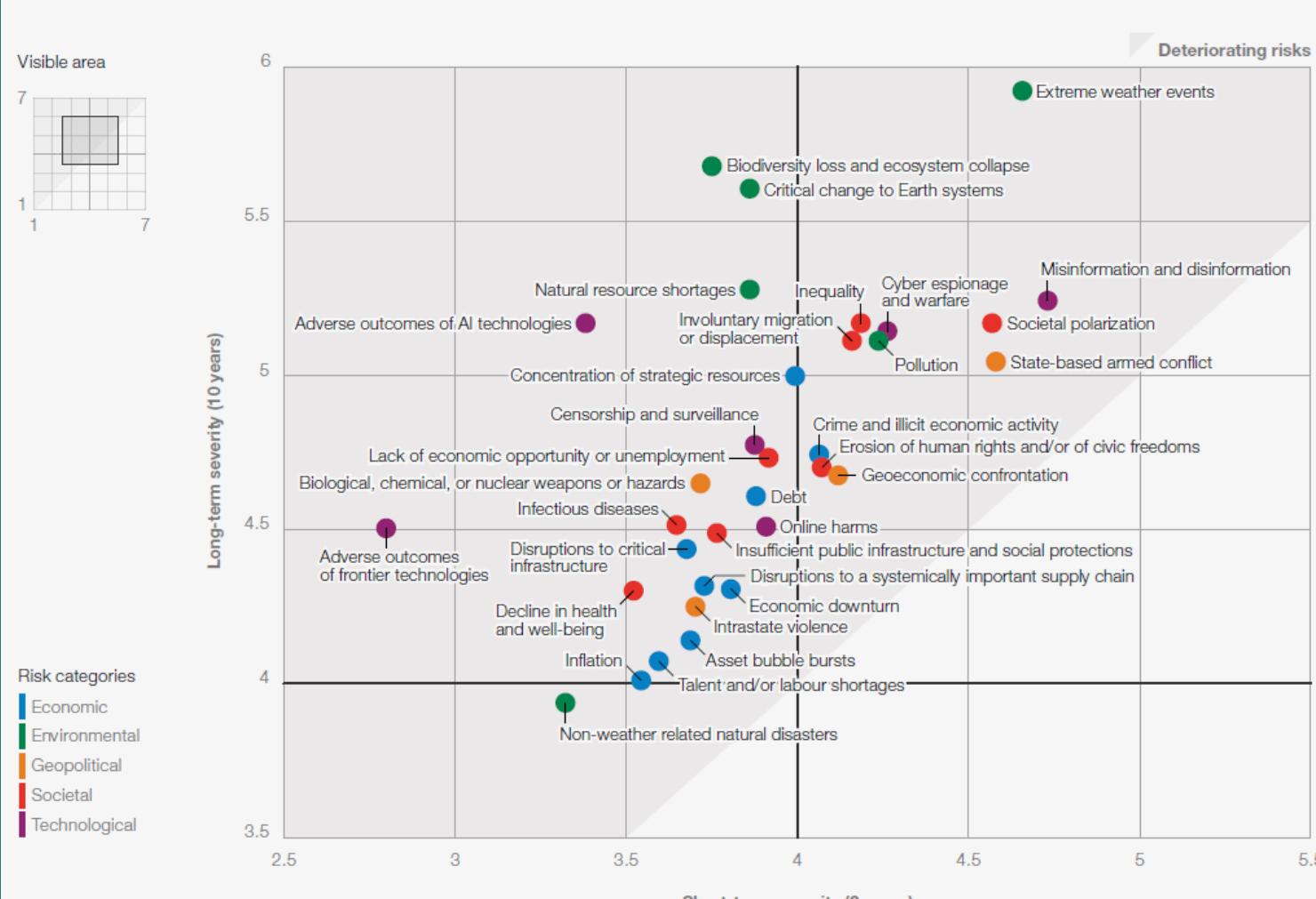


## 2. Introduction of the global risks



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].



# Why should we be interested in sustainable development?

## Because...

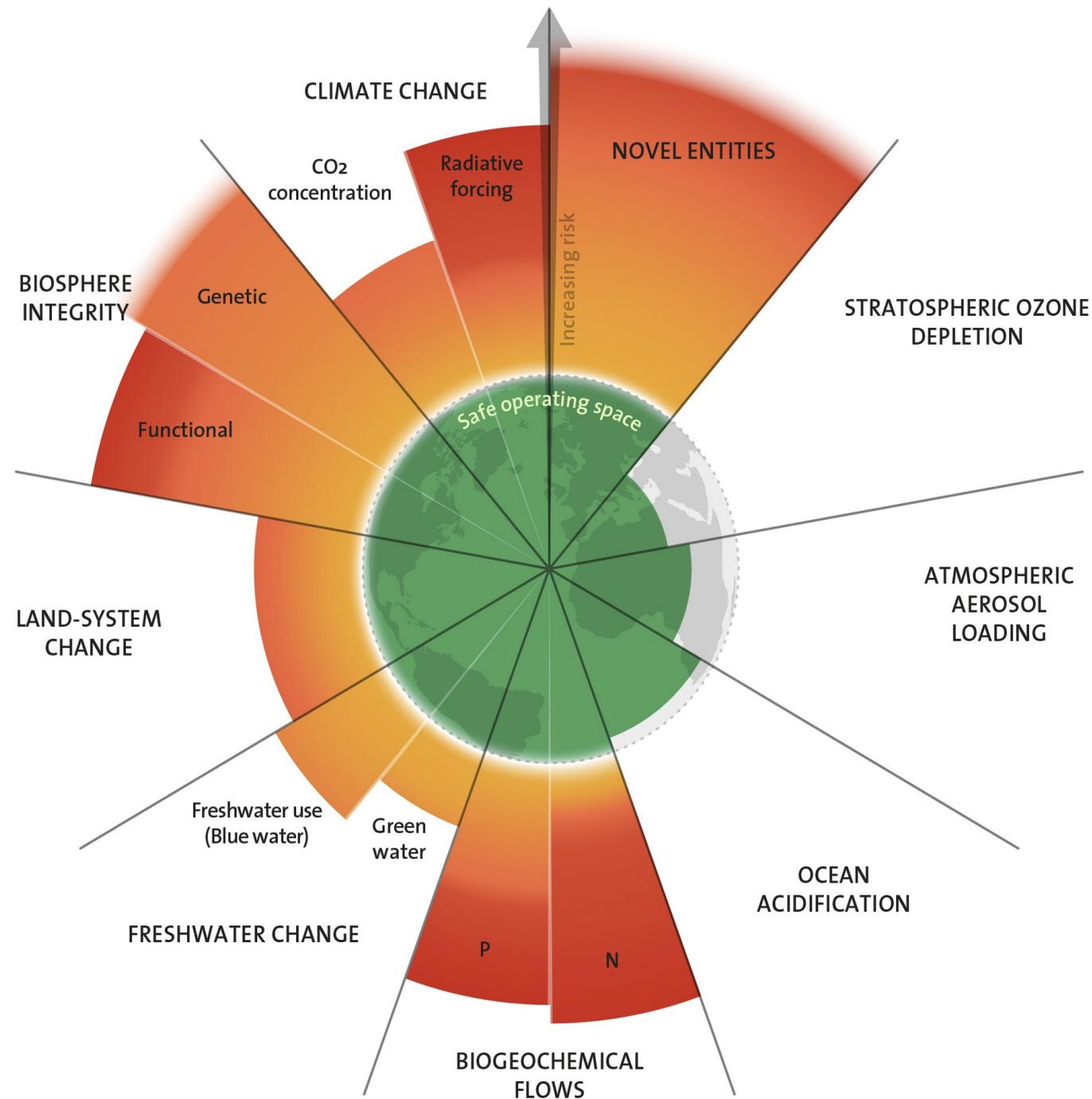
- **Humanity is eroding the biological and physical resilience of Earth's physical systems** by transgressing environmental limits that endanger their functioning: the “**planetary boundaries**” that regulate the Earth system.
- The scientific evidence points to global risks well beyond **climate change**, 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?

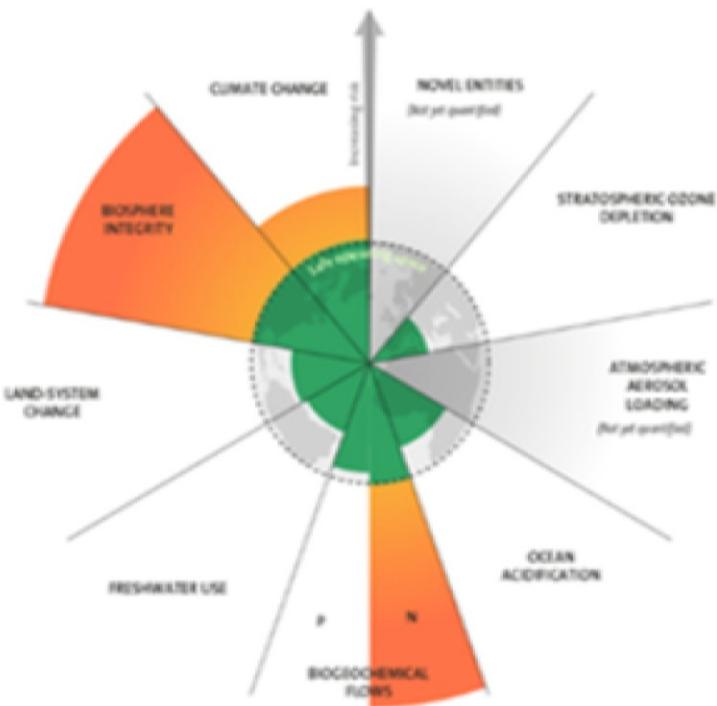
- [Climate Change](#)
- [Soil Degradation](#)
- [Global Warming](#)
- [Overpopulation](#)
- [Natural Resource Depletion](#)
- [Microplastic Pollution](#)
- [Ambient \(outdoor\) Air Pollution](#)
- Generating Unsustainable Waste ([The impact of textile production and waste on the environment](#))
- and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

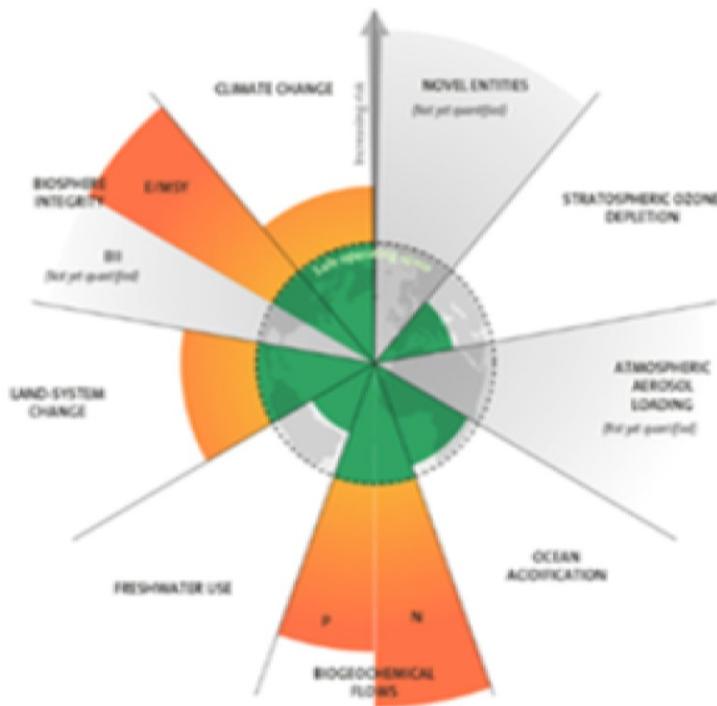


# 2009



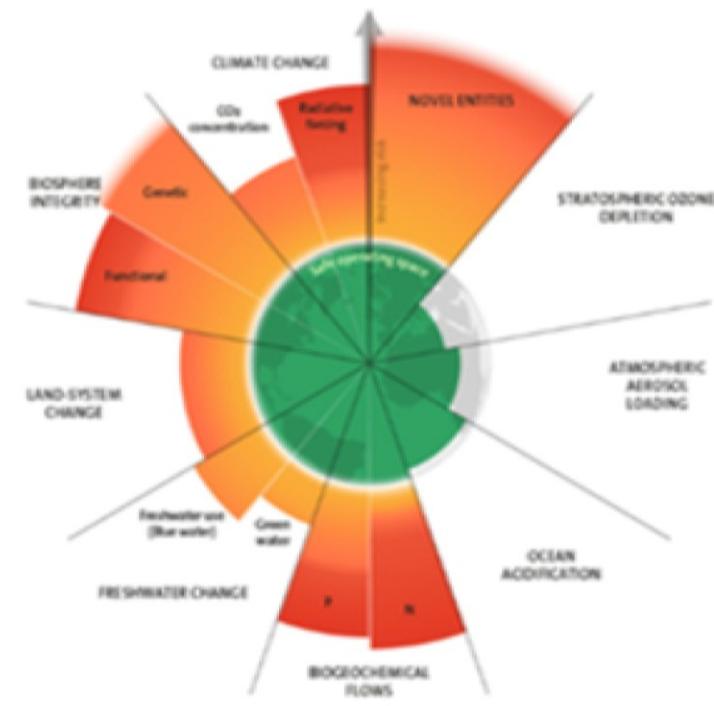
7 boundaries assessed,  
3 crossed

# 2015



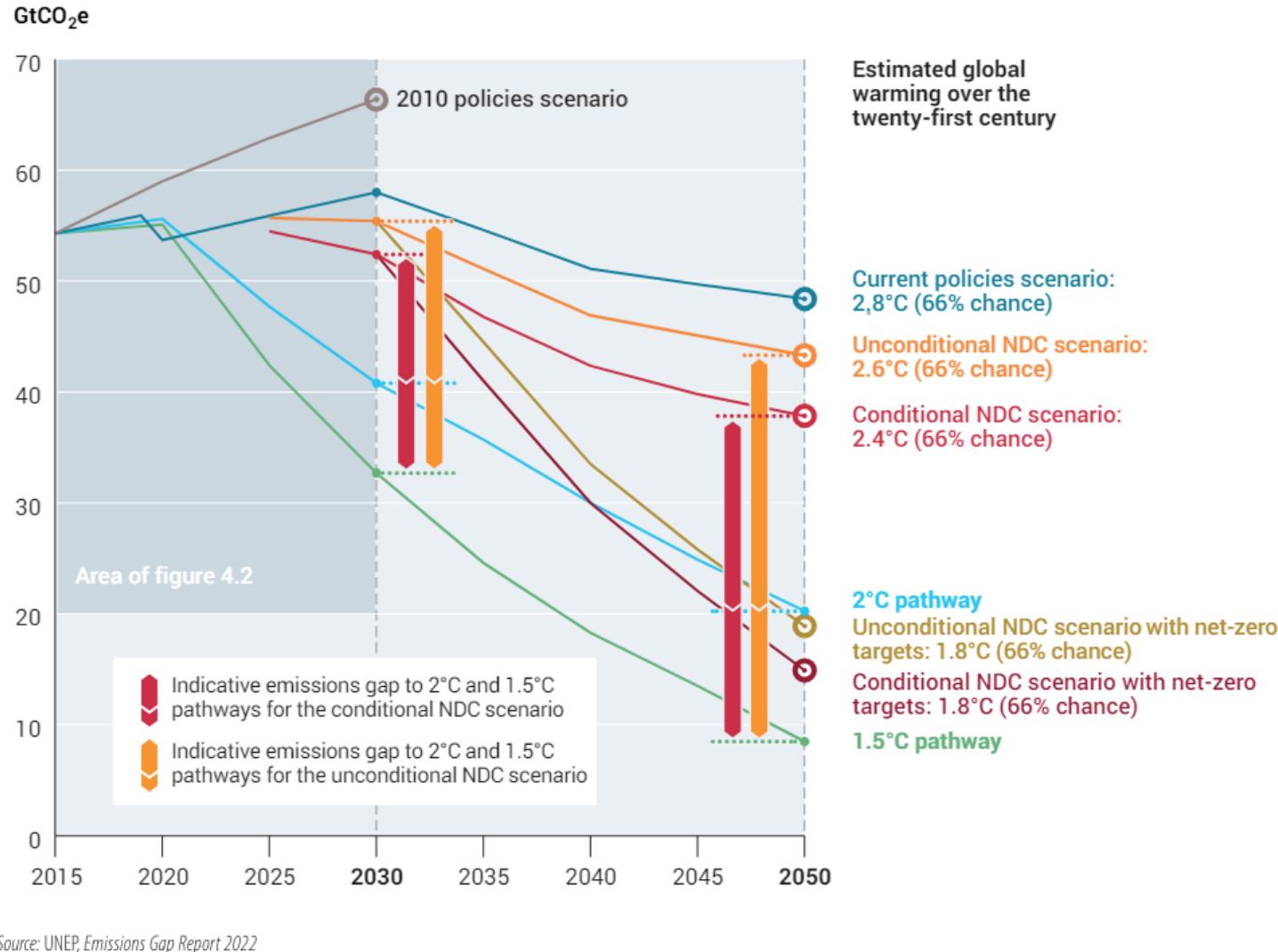
7 boundaries assessed,  
4 crossed

# 2023



9 boundaries assessed,  
6 crossed

# Projected global warming under alternative policy scenarios



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?



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.

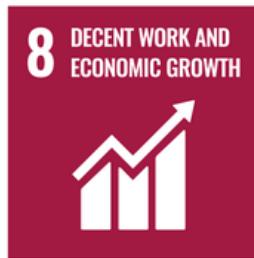
At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries - developed and developing - in a global partnership.

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>



# SUSTAINABLE DEVELOPMENT GOALS



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

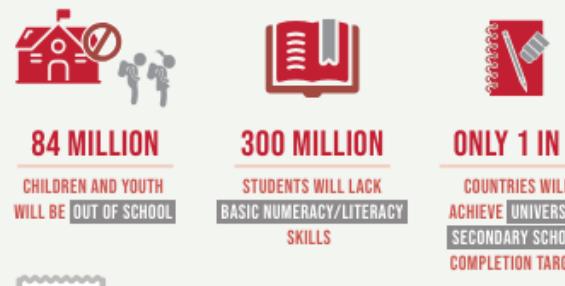


BUILD RESILIENT INFRASTRUCTURE, PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRIALIZATION AND FOSTER INNOVATION

DESPITE SLOW PROGRESS,

## THE WORLD IS FALLING FAR BEHIND IN ACHIEVING QUALITY EDUCATION

WITHOUT ADDITIONAL MEASURES, BY 2030:



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



THE PANDEMIC CAUSED LEARNING LOSSES IN 4 IN 5 OF 104 COUNTRIES STUDIED

## GLOBAL MANUFACTURING

GROWTH SLOWED FROM

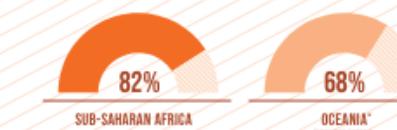
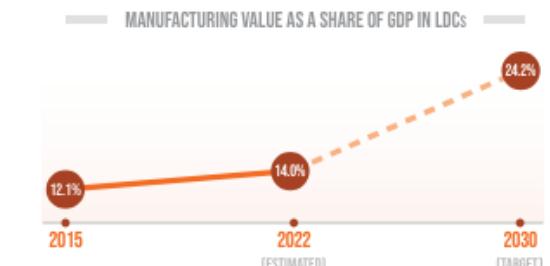
2021  
7.4%

2022  
3.3%

DUE TO

- INFLATION
- ENERGY PRICE SHOCKS
- SUPPLY DISRUPTIONS
- GLOBAL ECONOMIC DECLERATION

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



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\*

ENERGY-RELATED

CO<sub>2</sub> EMISSIONS

REACHED

36.8 BILLION

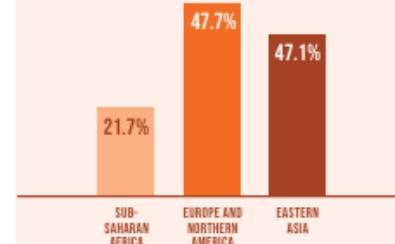
METRIC TONS IN 2022

A RECORD HIGH

MEDIUM-HIGH AND HIGH-TECHNOLOGY INDUSTRIES EXPERIENCED STRONG GROWTH IN 2022

BUT WITH REGIONAL VARIATION

SHARE IN TOTAL MANUFACTURING



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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

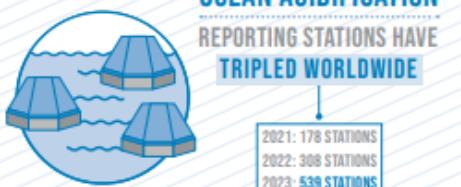


#### CITIZEN SCIENCE BEACH CLEAN-UPS

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

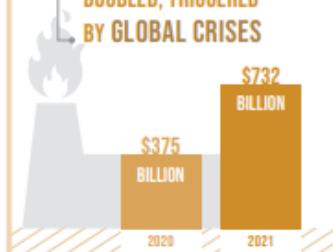
THAT OF LOW-INCOME COUNTRIES



DESPITE CALLS FOR

A PHASE-OUT

FOSIL FUEL SUBSIDIES  
RETURN AND NEARLY  
DOUBLED, TRIGGERED  
BY GLOBAL CRISES



COMPANY  
SUSTAINABILITY  
REPORTING HAS TRIPLED  
SINCE 2016



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Examples of SDGs 12 and 14, Source: <https://www.un.org/sustainabledevelopment/blog/2023/08/what-is-sustainable-development/>

## 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>



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# Sustainable Development – Dashboard Rankings



Chapters Rankings Interactive Map Country Profiles



Chapters Rankings Interactive Map Country Profiles

Rank	Country	Score	Country	Score
1	Finland	86.35	Spain	80.70
2	Sweden	85.70	Estonia	80.46
3	Denmark	85.00	Portugal	80.22
4	Germany	83.45	Belgium	80.04
5	France	82.76	Japan	79.87
6	Austria	82.55	Iceland	79.54
7	Norway	82.23	Hungary	79.53
8	Croatia	82.19	Slovak Republic	79.35
9	United Kingdom	82.16	Switzerland	79.30
10	Poland	81.69	Italy	79.29
11	Slovenia	81.34	Netherlands	79.21
12	Czechia	81.26	Canada	78.83
13	Latvia	80.99	New Zealand	78.81
			Moldova	78.81
			Ireland	78.72

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



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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.

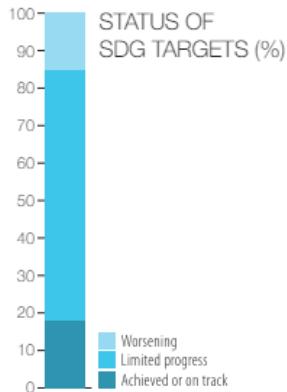
# WORLD – Overall Performance SDGs



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## ▼ OVERALL PERFORMANCE

WORLD SCORE



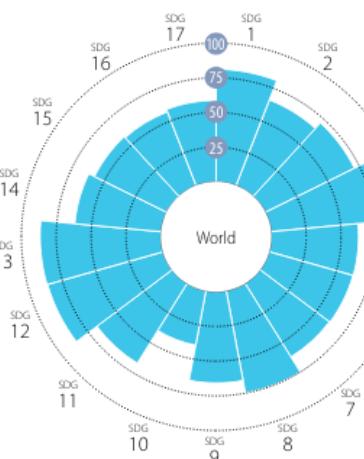
## ▼ SDG DASHBOARDS AND TRENDS



█ Major challenges   █ Significant challenges   █ Challenges remain   █ SDG achieved  
↓ Decreasing   → Stagnating   ↗ Moderately improving   ↑ On track or maintaining SDG achievement  
█ Information unavailable   ● Information unavailable

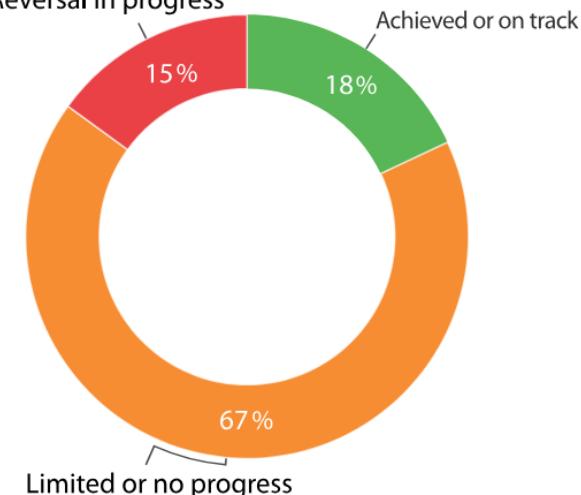
Note: The full title of each SDG is available here: <https://sustainabledevelopment.un.org/topics/sustainabledevelopmentgoals>

## ▼ AVERAGE PERFORMANCE BY SDG



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

Reversal in progress



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



## 6. SDGs Good Practices

Discover....



NEW Publication Available!

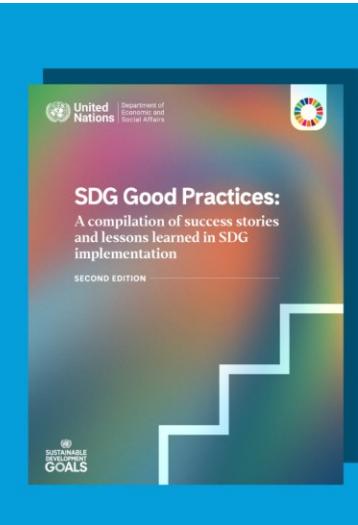
### SDG Good Practices

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

[Download now: bit.ly/SDGoodPractices2ndEdition](https://bit.ly/SDGoodPractices2ndEdition)

SDG GOOD PRACTICES  United Nations | Department of Economic and Social Affairs

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 - examplex



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## 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 - examplex



## 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



## #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 - examplex



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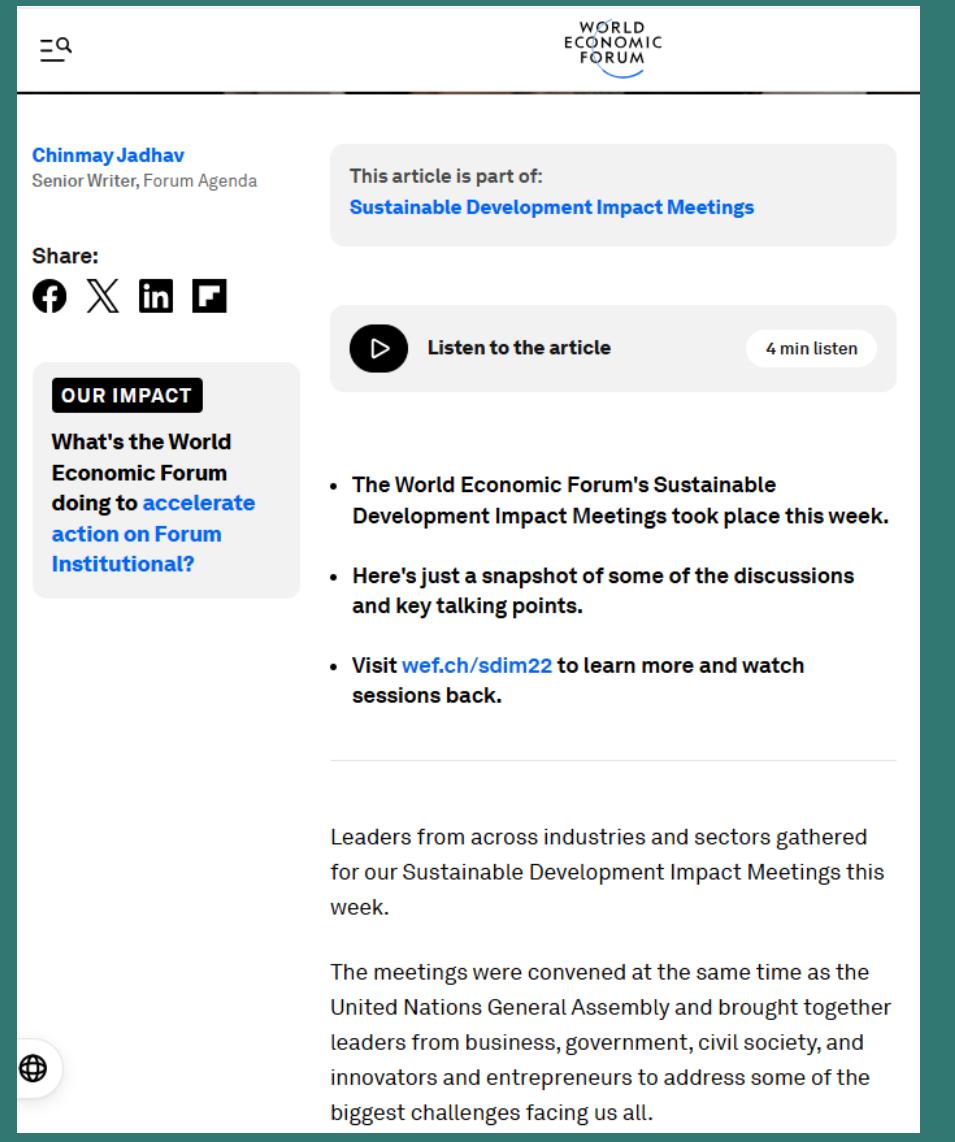
## Institutionalization and Implementation of Government-CSO partnership to effectively fulfill and achieve SDGs

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



The screenshot shows a news article from the World Economic Forum. At the top right is the 'WORLD ECONOMIC FORUM' logo. On the left, the author's name, 'Chinmay Jadhav', is listed with the title 'Senior Writer, Forum Agenda'. Below the author's name is a 'Share' section with icons for Facebook, X, LinkedIn, and a print icon. A 'OUR IMPACT' sidebar on the left contains the text: 'What's the World Economic Forum doing to accelerate action on Forum Institutional?'. The main content area features a heading 'This article is part of: Sustainable Development Impact Meetings'. Below this is a 'Listen to the article' button with a play icon and the text '4 min listen'. The main text of the article discusses the Sustainable Development Impact Meetings, mentioning discussions and key talking points, and encourages visiting [wef.ch/sdim22](https://wef.ch/sdim22) for more information. The text also notes that leaders from various sectors gathered for these meetings, which were convened at the same time as the United Nations General Assembly. A small globe icon is in the bottom left corner.

WORLD ECONOMIC FORUM

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](https://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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ID:  
**173-539-909**



## What are you taking away from the lecture?

0 / 0



RE-OPEN



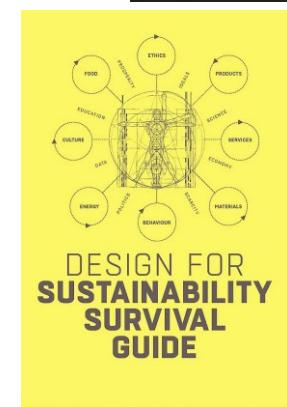
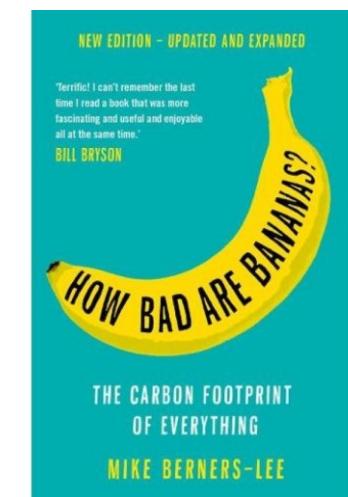
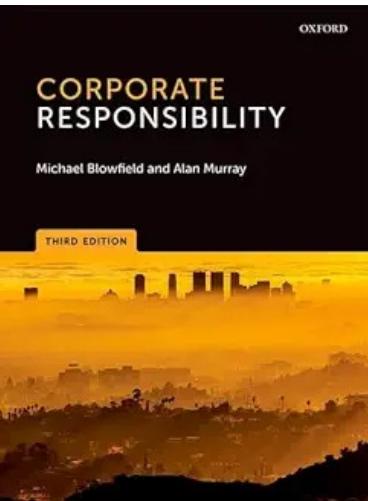
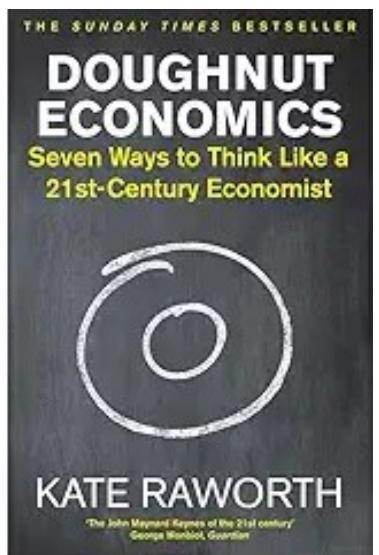
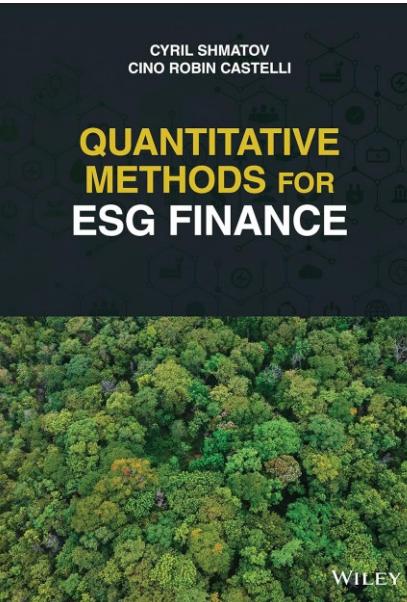
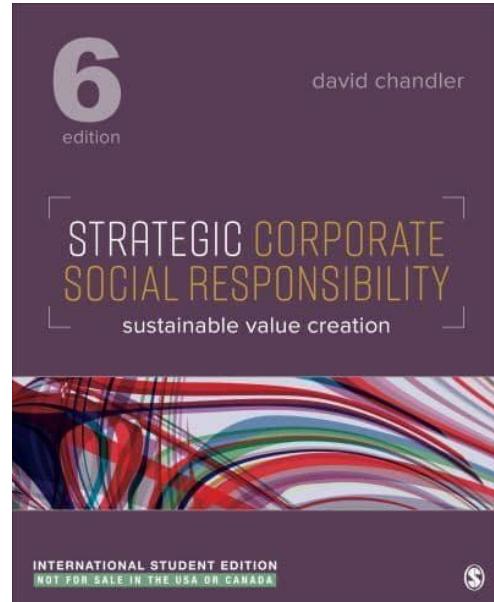
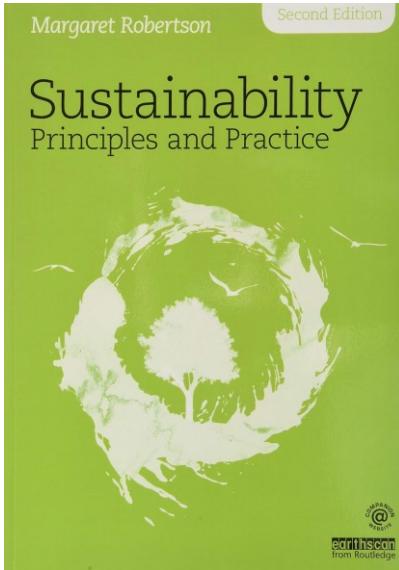
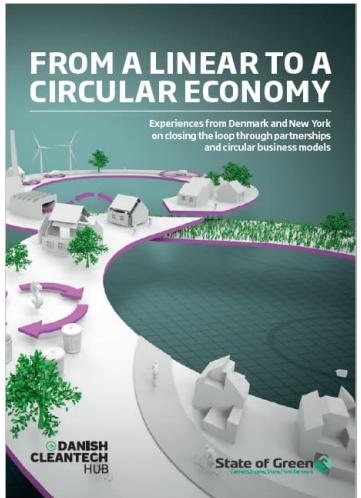
WHAT ARE YOU TAKING  
AWAY FROM THE...

3/3



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

# Explore publications...



# Thank you for your attention

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