



# "Understanding NDCs: How Global Carbon Emissions Drive the Need for Sustainable Insurance"

**Jun 29, 2025**  
**Masayuki Tanaka**  
**FALIA**

# **Agenda: Pathways to Sustainability and Climate Action**

- 1. Nationally Determined Contributions (NDCs): Commitments for a Greener Future**
- 2. The Joint Crediting Mechanism (JCM): Advancing International Cooperation**
- 3. Carbon Emissions and Budgeting: Managing Our Global Footprint**
- 4. The Impact of Climate Change: Challenges and Opportunities**
- 5. Education for Sustainable Development (ESD): Building a Knowledgeable Society**
- 6. Sustainable Future  
: PSI will guide sustainable development**

# **1. Nationally Determined Contributions (NDCs): Commitments for a Greener Future**

# **United Nations Conference on Environment and Development, Rio de Janeiro, Brazil, 3-14 June 1992**



**The United Nations Framework Convention on Climate Change (UNFCCC) was signed. After this COP (Conference of the Parties) started its activities.**

<https://www.un.org/en/conferences/environment/rio1992>



# Millennium Summit, 6-8 September 2000, New York



## 8 MDGs (Millennium Development Goals)

1. Eradicate extreme poverty and hunger
2. Achieve universal primary education
3. Promote gender equality and empower women
4. Reduce child mortality
5. Improve maternal health
6. Combat HIV/AIDS, malaria and other diseases
7. Ensure environmental sustainability
8. Develop a global partnership for development

# United Nations Conference on Sustainable Development, 20-22 June 2012, Rio de Janeiro (Rio+20)





# United Nations Summit on Sustainable Development, 25-27 September 2015, New York



**Declaration of SDGs**

<https://www.un.org/en/conferences/environment/newyork2015>

# Sustainable Development Goals (SDG)

## SUSTAINABLE DEVELOPMENT GOALS





# The Paris Agreement, adopted at COP21 in 2015



The Agreement sets goal to guide all nations to reduce GHG emissions and limit the global temperature increase in this century to 2 °C above pre-industrial levels.



# Paris Agreement 29 Articles

Structure of the Paris Agreement	
Article 2	Objectives
Article 4	Mitigation
Article 7	Adaptation
Article 8	Losses and Damages
Article 9	Finance
Article 10	Technology transfer
Article 11	Capacity development
Article 13	Transparency framework
Article 14	Global Stocktaking

Article 6

Voluntary Corporation to  
Implement NDCs  
Carbon Trading including JCM

International transfer of mitigation outcomes  
(ITMOs)  
Sustainable Development Mechanism or SDM

# Nationally Determined Contribution (NDC)?

**NDCs are national climate action plans by each country under the Paris Agreement. A country's NDC outlines how it plans to reduce greenhouse gas emissions to help meet the global goal of limiting temperature rise to 1.5C and adapt to the impacts of climate change.**



# Japan's NDC on April 22, 2021

## Japan's Nationally Determined Contribution (NDC)

### Japan's Greenhouse Gas Emission Reduction Target

Japan aims to reduce its greenhouse gas emissions by **46 percent in fiscal year 2030** from its fiscal year 2013 levels, setting an ambitious target which is aligned with the long-term goal of achieving net-zero by 2050. Furthermore, Japan will continue strenuous efforts in its challenge to meet the lofty goal of cutting its emission by 50 percent.

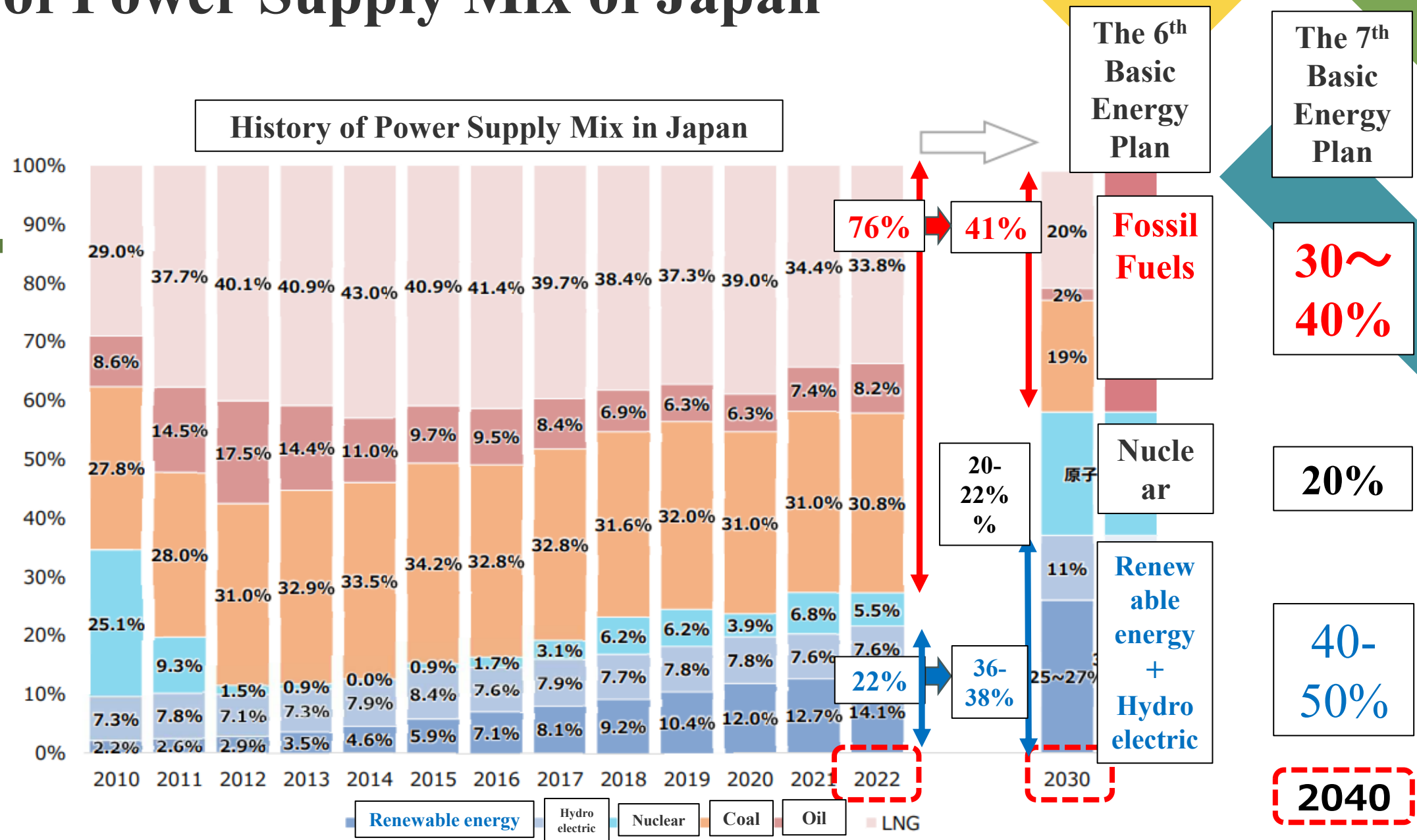


# GHG emissions in Japan (FY2013-2022)

(Unit) Million tonnes CO2 equivalent



# History of Power Supply Mix of Japan





Republic of Uzbekistan

**UPDATED NATIONALLY DETERMINED  
CONTRIBUTION**

**2021**



# NDC of Uzbekistan

## BTR of Uzbekistan

BIENNIAL REPORT ON TRANSPARENCY  
OF THE REPUBLIC OF UZBEKISTAN  
UNDER THE UN FRAMEWORK CONVENTION  
ON CLIMATE CHANGE



Tashkent 2024

# **NDC of Uzbekistan**

**Uzbekistan commits to reducing greenhouse gas (GHG) emissions per unit of GDP by 35% by 2030 compared to 2010 levels.**

## **Key Mitigation Measures:**

- **Transition to renewable energy (especially solar and wind)**
- **Modernization of energy infrastructure and increased efficiency**
- **Introduction of low-emission technologies in key sectors (energy, transport, industry)**



# **NDC of Uzbekistan**

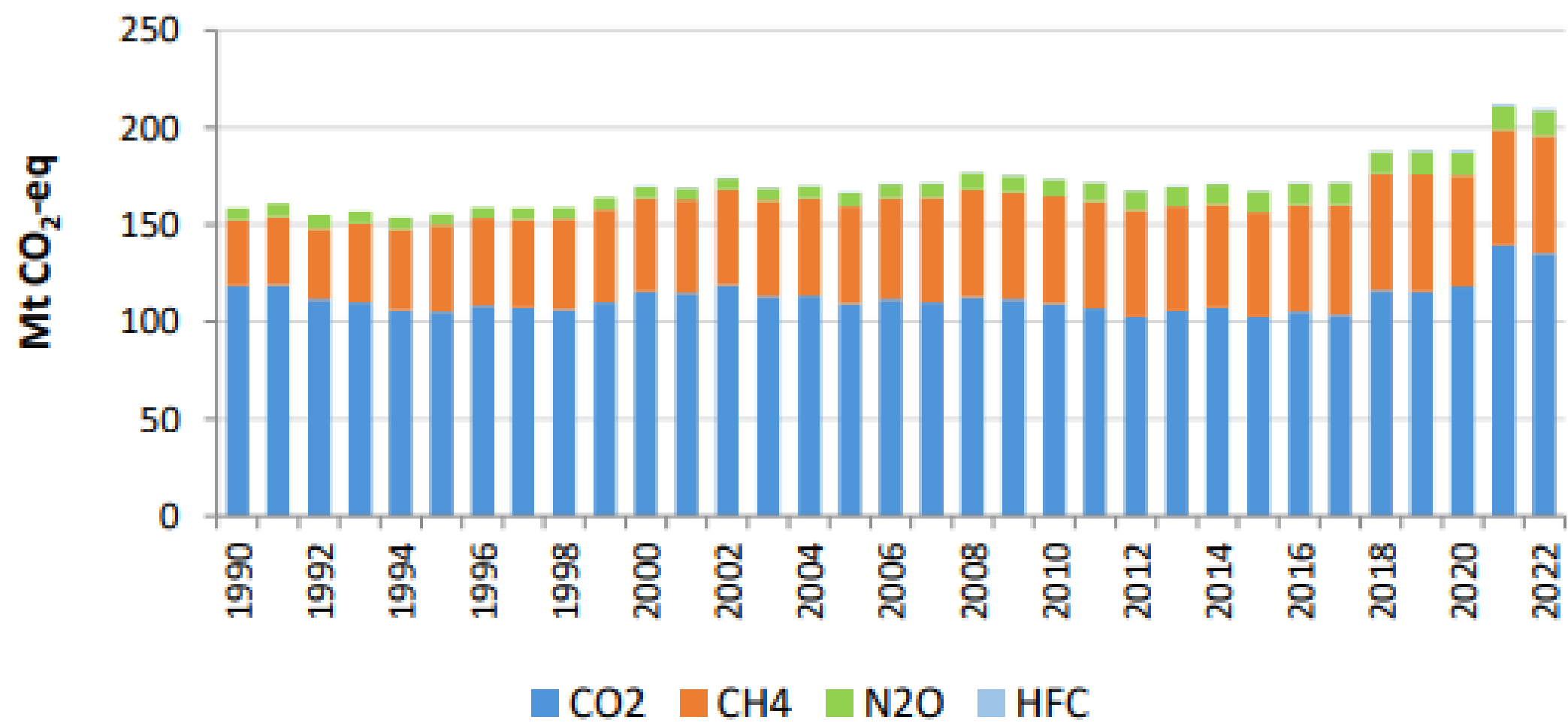
## **Adaptation Priorities:**

- **Improving water management and irrigation systems**
- **Combating desertification and land degradation**
- **Strengthening resilience in agriculture, health, and disaster risk management**

## **Transparency & Implementation:**

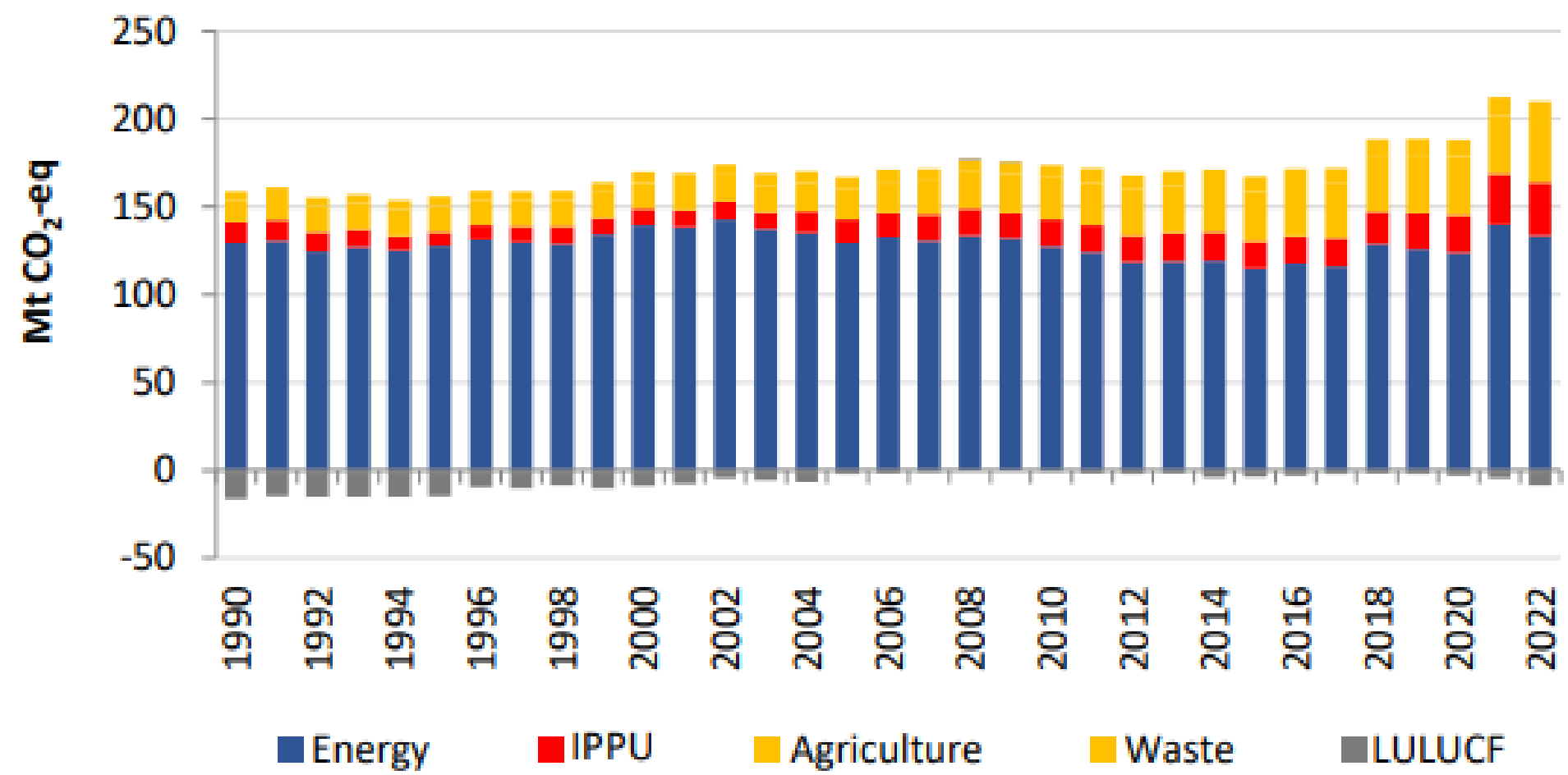
- **Uzbekistan emphasizes monitoring, reporting, and verification (MRV) systems.**
- **International cooperation, capacity-building, and financing are crucial to meeting its goals.**

# Trends of GHG emissions by Gas



(Source) Uzbekistan’s Initial Biennial Transparency Report under Paris Agreement (BTR1) P12

# Trends of GHG emissions by Sector



(Source) Uzbekistan’s Initial Biennial Transparency Report under Paris Agreement (BTR1) P12

# Trends of GHG emissions by Sector

All sectors except LULUCF experienced an increase in GHG emissions over the period, including:

- Energy by 3.15%.
- IPPU by 159.46%.
- Agriculture by 178.21%.
- Waste by 116.21%.

In contrast, CO<sub>2</sub> uptake in the LULUCF sector decreased by 47.3%. The most intense growth in GHG emissions occurred between 2018 and 2022.

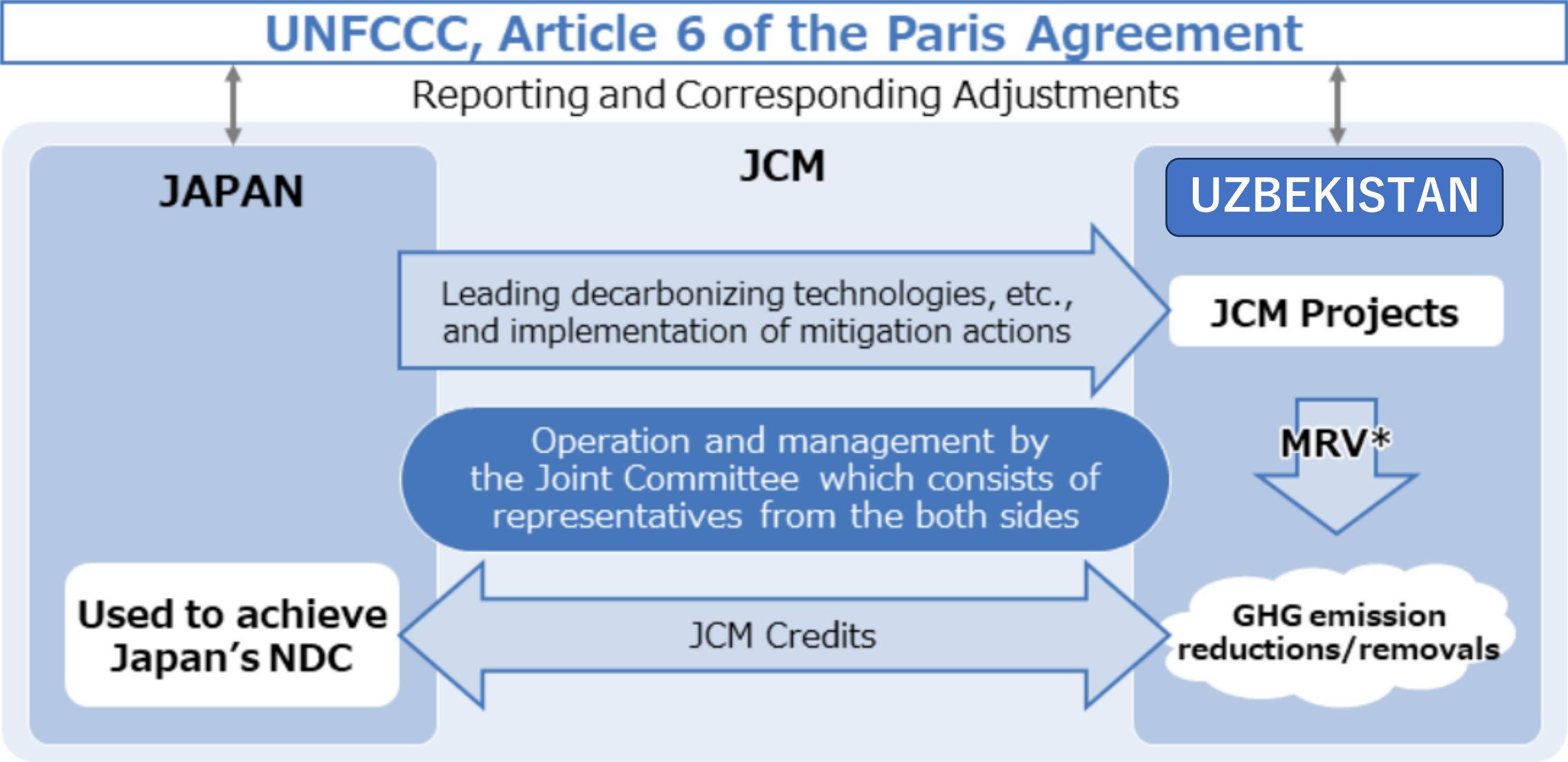


# Change in the carbon intensity of GDP from the 2010 level

years	GDP <sub>2015</sub> , billion	GHG emissions, <i>Mt CO<sub>2</sub>-eq</i>		Carbon intensity of GDP, <i>kg CO<sub>2</sub>-eq/dollar<sub>2015</sub></i>		Decrease of GDP carbon intensity, % to 2010	
		excluding LULUCF	including LULUCF	excluding LULUCF	including LULUCF	excluding LULUCF	including LULUCF
2010	60.88	173.44	173.27	2.85	2.85		
2011	65.46	171.49	169.85	2.62	2.59	-8.0%	-8.8%
2012	70.11	167.48	165.33	2.39	2.36	-16.1%	-17.1%
2013	75.22	169.60	167.95	2.25	2.23	-20.8%	-21.5%
2014	80.39	170.78	166.70	2.12	2.07	-25.4%	-27.1%
2015	86.2	166.98	163.08	1.94	1.89	-32.0%	-33.5%
2016	91.31	171.37	168.32	1.88	1.84	-34.1%	-35.2%
2017	95.32	171.74	169.86	1.81	1.78	-36.8%	-37.4%
2018	100.93	187.78	186.26	1.87	1.85	-34.7%	-35.2%
2019	106.96	188.25	186.29	1.76	1.74	-38.2%	-38.8%
2020	109.1	187.88	184.86	1.72	1.69	-39. 6%	-40.5%
2021	117.18	212.02	207.49	1.81	1.77	-36.5%	-37.8%
2022	123.82	209.61	201.15	1.69	1.62	-40.6%	-42.9

## **2. The Joint Crediting Mechanism (JCM): Advancing International Cooperation**

# Concept of JCM Project



\*measurement, reporting and verification

(Source) <https://www.jcm.go.jp/uz-jp/information/545>

# Uzbekistan and Japan signed a bilateral document



**First Joint Committee of the  
Joint Crediting Mechanism  
(JCM) between Japan and  
Uzbekistan, Feb. 2025**



# JCM Partner Network

## JCM Financing Programme by MOEJ (FY2013 ~ 2024) as of August 31, 2024

Total 246 projects (29 partner countries)

179 underlined projects have been started operation.

72 projects with\* have been registered as JCM projects.

● Model Projects : 230 projects (including Eco Lease : 7 projects), ● JFJCM : 8 projects, ● UNIDO : 1 project, ● REDD+ : 2 projects, ● F-gas : 4 projects, ● New Technology : 1 project

### Cambodia : 5 projects

- LED Street Lighting\*
- 1MW Solar PV & Centrifugal Chiller
- 0.9MW Solar PV
- 200kW Solar PV at International School\*
- Inverters for Distribution Pumps\*

### Myanmar : 8 projects

- 700kW Waste to Energy Plant\*
- Brewing Systems to Brewery Factory
- Once-through Boiler in Instant Noodle Factory
- 1.8MW Rice Husk Power Generation
- Refrigeration System in Logistics Center
- 4.3MW Solar PV
- 8.8MW Waste Heat Recovery in Cement Plant
- Brewing Systems and Biogas Boiler to Brewery Factory

### Bangladesh : 5 projects

- Centrifugal Chiller
- 315kW PV-diesel Hybrid System\*
- Centrifugal Chiller\*
- Loom at Weaving Factory\*
- High Efficiency Transmission Line

### Saudi Arabia : 3 projects

- Electrolyzer in Chlorine Production Plant
- 400MW Solar PV
- 100MW Solar PV

### Tunisia : 2 project

- 50MW Solar PV1
- 50MW Solar PV2

### Kenya : 5 projects

- 1MW Solar PV at Salt Factory\*
- 3.1MW Solar PV
- 2.3MW Solar PV
- 230kW Solar PV and Storage Battery
- 1.7MW Solar PV

### Sri Lanka : 1 project

- 13.5MW Solar Power Project

### Laos : 6 projects

- REDD+ through controlling slash-and-burn
- Amorphous transformers\*
- 14MW Floating Solar PV\*
- 11MW Solar PV\*
- 7MW Solar PV
- Amorphous transformers2

### Thailand : 48 projects

- Energy Saving at Convenience Store
- Centrifugal Chiller & Compressor\*
- Air Conditioning System & Chiller\*
- Chilled Water Supply System
- 12MW Waste Heat Recovery in Cement Plant\*
- Refrigerator and Evaporator
- 5MW Floating Solar PV\*
- Biomass Co-generation System
- 17.8MW Solar PV in Industrial Park
- F-gas Recovery and Destruction Scheme
- Heat Exchanger in Fiber Factory
- 5MW Solar PV
- 2.6MW Solar PV
- 18.9MW Solar PV and Floating Solar PV
- Boiler, Chiller and PV
- 0.13MW Solar PV (Eco Lease)
- ORC Waste Heat Recovery
- 1.6MW Solar PV (Eco Lease)
- 1MW Solar PV on Factory Rooftop\*
- Centrifugal Chiller in Tire Factory
- Refrigeration System\*
- LED Lighting to Sales Stores
- Co-generation System PV
- Heat Recovery Heat Pump\*
- Boiler System in Rubber Belt Plant
- Co-generation in Fiber Factory
- 3.4MW Solar PV
- 8.1MW Solar PV
- 2MW Solar PV2
- Once-through Boiler in Garment Factory
- 2MW Solar PV3
- Gas Co-generation System & 22MW Solar PV

### Mongolia : 10 projects

- Heat Only Boiler (HOB)\*\*
- 15MW Solar PV1\*
- Improving Access to Health Services
- 2.1MW Solar PV in Farm\*

### Vietnam : 50 projects

- Digital Tachographs\*
- Container Formation Facility\*
- Air-conditioning Control System
- Energy Saving Equipment in Lens Factory\*
- Amorphous transformers 4
- Modal Shift with Reefer Container
- Biomass Boiler to Chemical Factory
- 57MW solar PV
- Waste to Energy
- 9.8MW Solar PV
- F-gas Recovery and Mixed Combustion Scheme
- 7.9MW Solar PV
- 1.8MW Solar PV
- Biomass Co-generation System
- 1.25MW Solar PV
- Amorphous transformers1\*
- 320kW Solar PV in Shopping Mall\*
- Electricity Kiln
- Amorphous transformers 3\*
- Energy Saving Equipment in Brewery Factory
- Inverters for Raw Water Intake Pumps
- Air Cooled Chillers
- Once-through Boiler to Food Factory
- LED Lighting to Office Building
- 5.8MW Solar PV
- 0.4MW Solar PV (Eco Lease)
- 0.8MW Solar PV
- 15MW Solar PV
- Air-conditioning in Hotel1\*
- Biomass Boiler
- 9MW Solar PV
- 2.5MW Solar PV
- 20MW Biomass Power Plant
- 5.7MW Solar PV
- 50MW Biomass Power Plant1
- 4.1MW Solar PV
- Air-conditioning in Lens Factory\*
- Amorphous transformers 2\*
- High Efficiency Water Pumps\*
- Energy Saving Equipment in Wire Production Factory\*
- High Efficiency Chiller
- F-gas Recovery and Dedicated Destruction Scheme
- 49MW solar PV
- Air-conditioning in Hotel2
- 12MW Solar PV
- Chiller and LED
- 16MW Mini Hydro Power Plant
- 40MW Offshore Wind Power
- 50MW Biomass Power Plant2
- 1.9MW Solar PV

### Philippines : 20 projects

- 1.53MW Rooftop Solar PV\*
- 4MW Solar PV\*
- 29MW Binary Geothermal Power Generation
- F-gas Recovery and Destruction Scheme
- 14.5MW Mini Hydro Power Plant
- 0.8MW Solar PV (Eco Lease)
- 6MW Waste Heat Recovery in Cement Plant
- 1.2MW Solar PV (Eco Lease)
- 7MW Solar PV
- 1MW Rooftop Solar PV
- 9.6MW Solar PV
- 11.3MW Mini Hydro Power Plant
- 1.2MW Rooftop Solar PV\*
- Biogas Power Generation and Fuel Conversion
- 20MW Flash Geothermal Power Plant
- 28MW Binary Geothermal Power Generation
- 9MW Solar PV
- 10MW Solar PV
- 5.6MW Binary Geothermal Power Generation

### Mexico : 5 projects

- 1.2MW Power Generation with Methane Gas Recovery System
- Once-through Boiler and Fuel Switching
- 30MW Solar PV1
- 0.5MW Solar PV (Eco Lease)
- Energy Efficient Distillation System

### Palau : 6 projects

- 370kW Solar PV for Commercial Facilities\*
- 155kW Solar PV for School\*
- 445kW Solar PV for Commercial Facilities II \*
- 0.4MW Solar PV for Supermarket\*
- 1MW Solar PV for Supermarket
- Clean Energy Financing Project

### Indonesia : 51 projects

- Centrifugal Chiller at Textile Factory1\*
- Refrigerants to Cold Chain Industry\*\*
- Centrifugal Chiller at Textile Factory 2\*
- 500kW Solar PV and Storage Battery\*
- Centrifugal Chiller at Textile Factory\*
- Upgrading to Air-saving Loom\*
- Smart LED Street Lighting System
- Gas Co-generation System\*
- 1.6MW Solar PV in Jakabaring Sport City\*
- 10MW Hydro Power Plant1
- Industrial Wastewater Treatment System
- Absorption Chiller\*
- Rehabilitation of Hydro Power Plant
- Boiler to Carton Box Factory
- 6MW Hydro Power Plant2
- Thermal Oil Heater System
- 2.3MW Hydro Power Plant
- 5MW Solar PV
- 12MW Biomass Power Plant
- Energy Saving at Convenience Store\*
- Double Bundle-type Heat Pump\*
- 30MW Waste Heat Recovery in Cement Industry\*
- Regenerative Burners\*
- Old Corrugated Cartons Process\*
- Centrifugal Chiller in Shopping Mall\*
- Once-through Boiler System in Film Factory\*
- Once-through Boiler in Golf Ball Factory\*
- REDD+ through controlling slash-and-burn
- Looms in Weaving Mills
- High Efficiency Autoclave1
- Injection Molding Machine
- 10MW Hydro Power Plant2
- 5MW Hydro Power Plant
- 2.1MW Rooftop Solar PV
- High Efficiency Autoclave2
- 3.1MW Solar PV
- Energy Saving and Solar PV
- 3MW Solar PV
- LED Lighting to Sales Stores
- Gas Co-generation system
- CNG-Diesel Hybrid Public Bus
- 2MW Mini Hydro Power Plant
- 6MW Hydro Power Plant1
- 4.2MW Solar PV
- 6MW Hydro Power Plant3
- Once-through Boiler in Chemical Factory
- 2.1MW Solar PV
- 55MW Geothermal Power Generation
- Improvement of Flat Glass Production Melting Furnace

### Costa Rica : 2 projects

- 5MW Solar PV\*
- Chiller and Heat Recovery System

### Chile : 15 projects

- 1MW Rooftop Solar PV\*
- 3.4MW Rice Husk Power Generation
- 3MW Solar PV1\*
- 9MW Solar PV1
- 6MW Solar PV
- 48MW Solar PV2
- 9MW Solar PV2
- 26.3MW Solar PV and 48MWh Storage Battery
- 196MWh Storage Battery in PV Plant
- 3MW Solar PV2
- 9MW Solar PV3
- 2.0MW Solar PV
- 25.8MW Solar PV
- 3MW Solar PV3
- 9MW Solar PV4

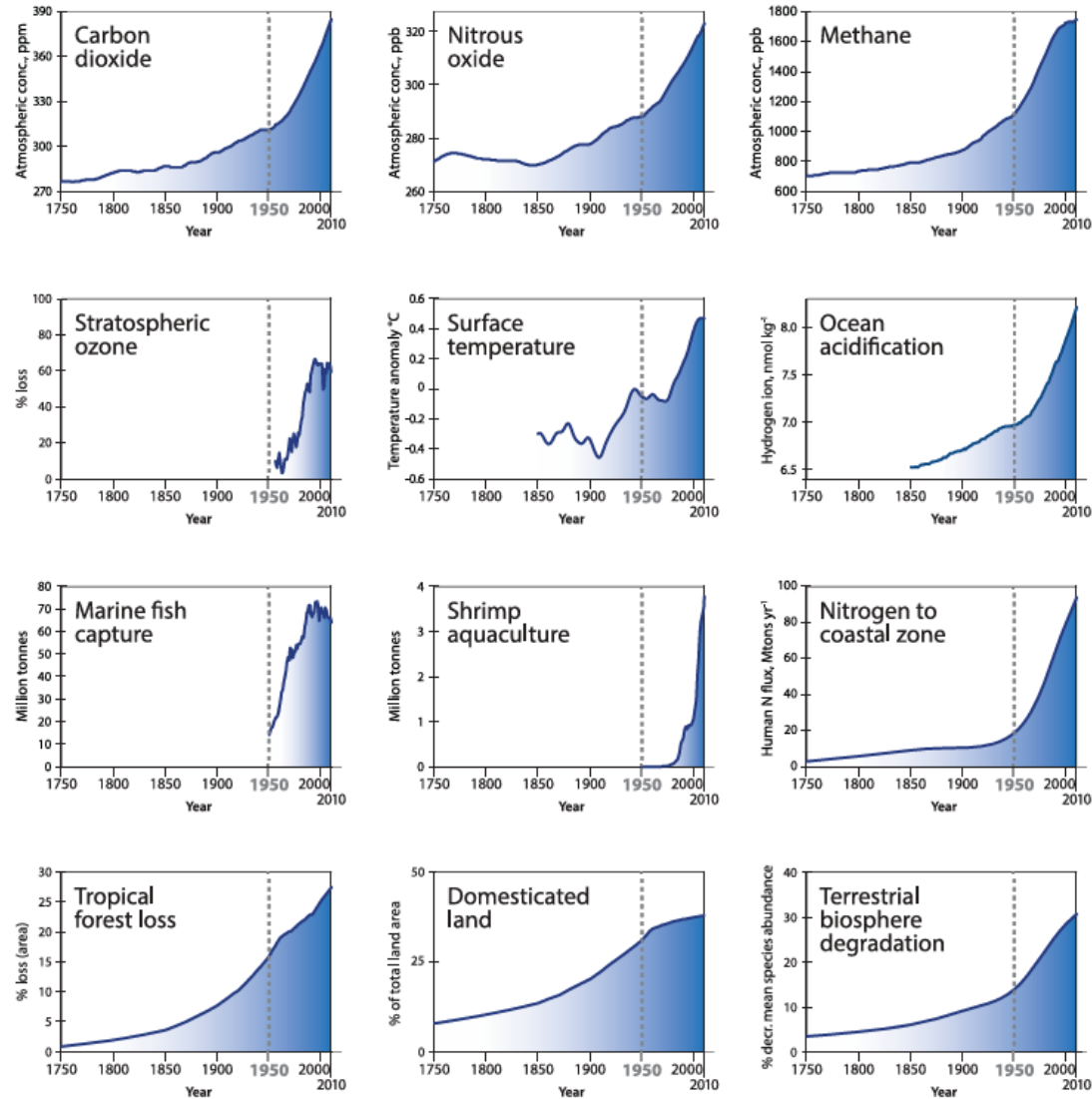


### **3. Carbon Emissions and Budgeting: Managing Our Global Footprint**

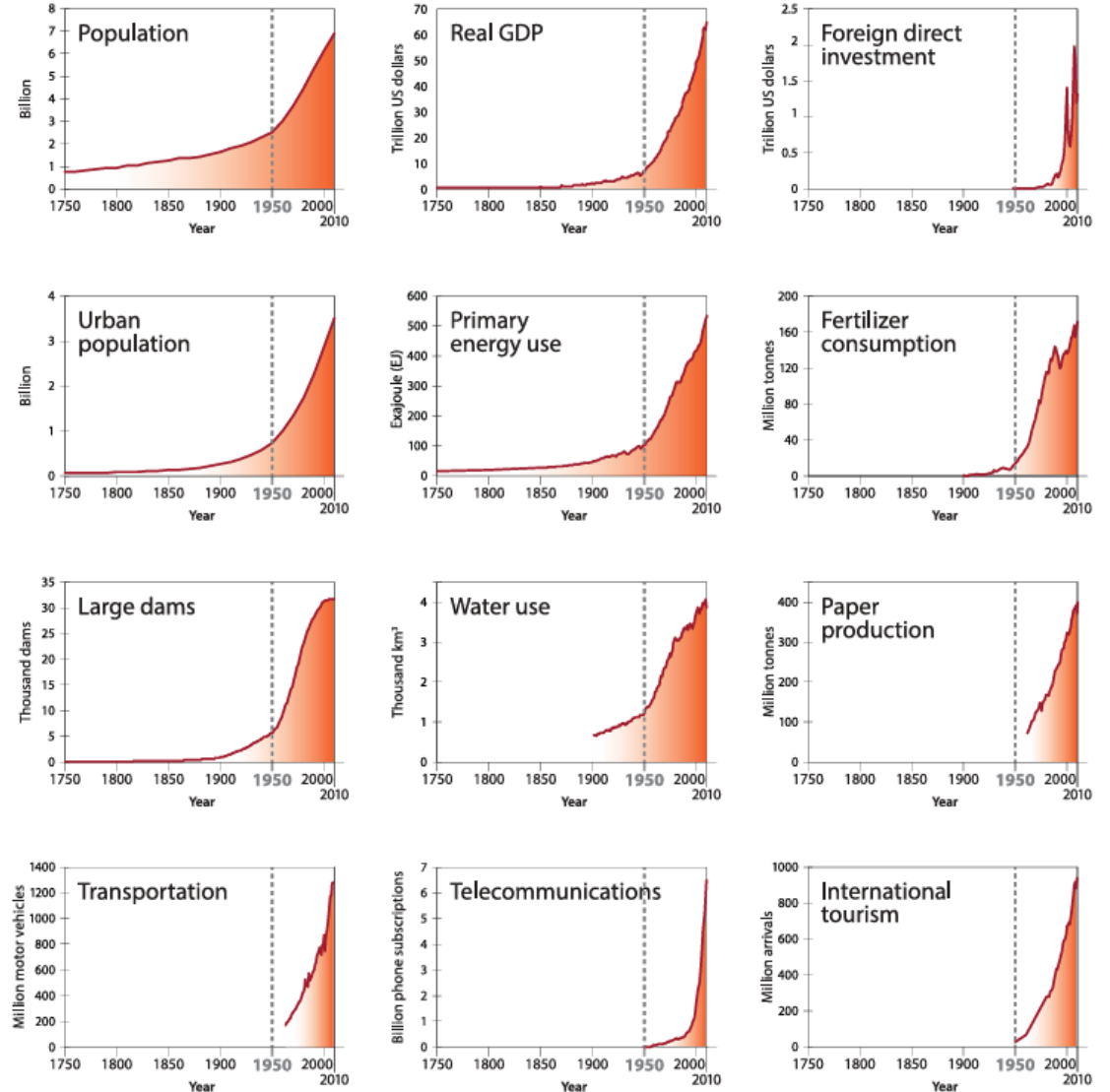
# The Great Acceleration

[https://www.bpb.de/system/files/dokument\\_pdf/Steffen2015ThetrajectoryoftheAnthropoceneTheGreatAcceleration.pdf](https://www.bpb.de/system/files/dokument_pdf/Steffen2015ThetrajectoryoftheAnthropoceneTheGreatAcceleration.pdf)

## Earth system trends



## Socio-economic trends

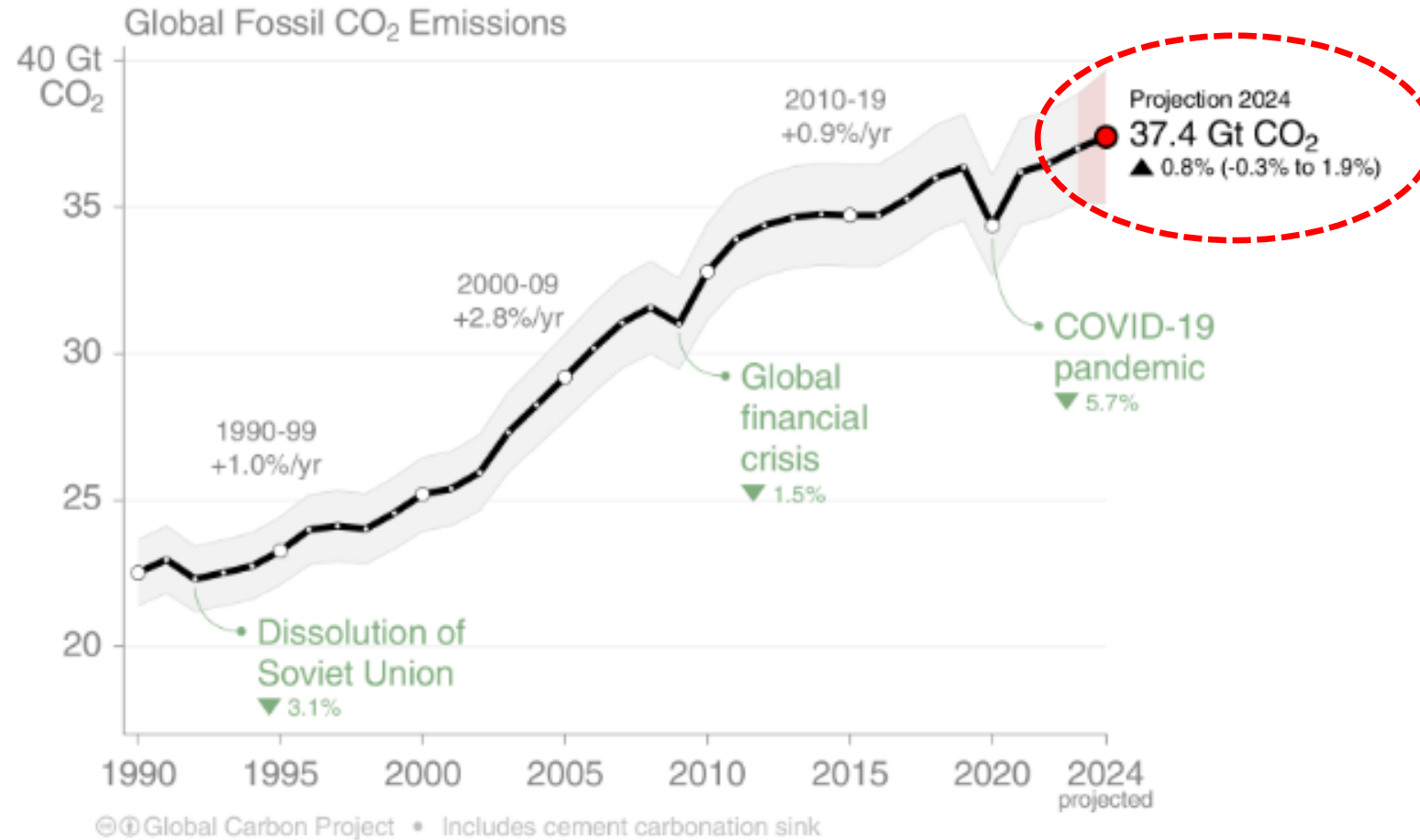


(Source) Will Steffen et al (2015) The trajectory of the Anthropocene: The Great Acceleration

# Global fossil CO<sub>2</sub> emissions

Global fossil CO<sub>2</sub> emissions:  $37.0 \pm 2$  GtCO<sub>2</sub> in 2023, 66% over 1990

- Projection for 2024:  $37.4 \pm 2$  GtCO<sub>2</sub>, 0.8% [-0.3% to +1.9%] higher than 2023



Uncertainty is  $\pm 5\%$  for one standard deviation (IPCC “likely” range)

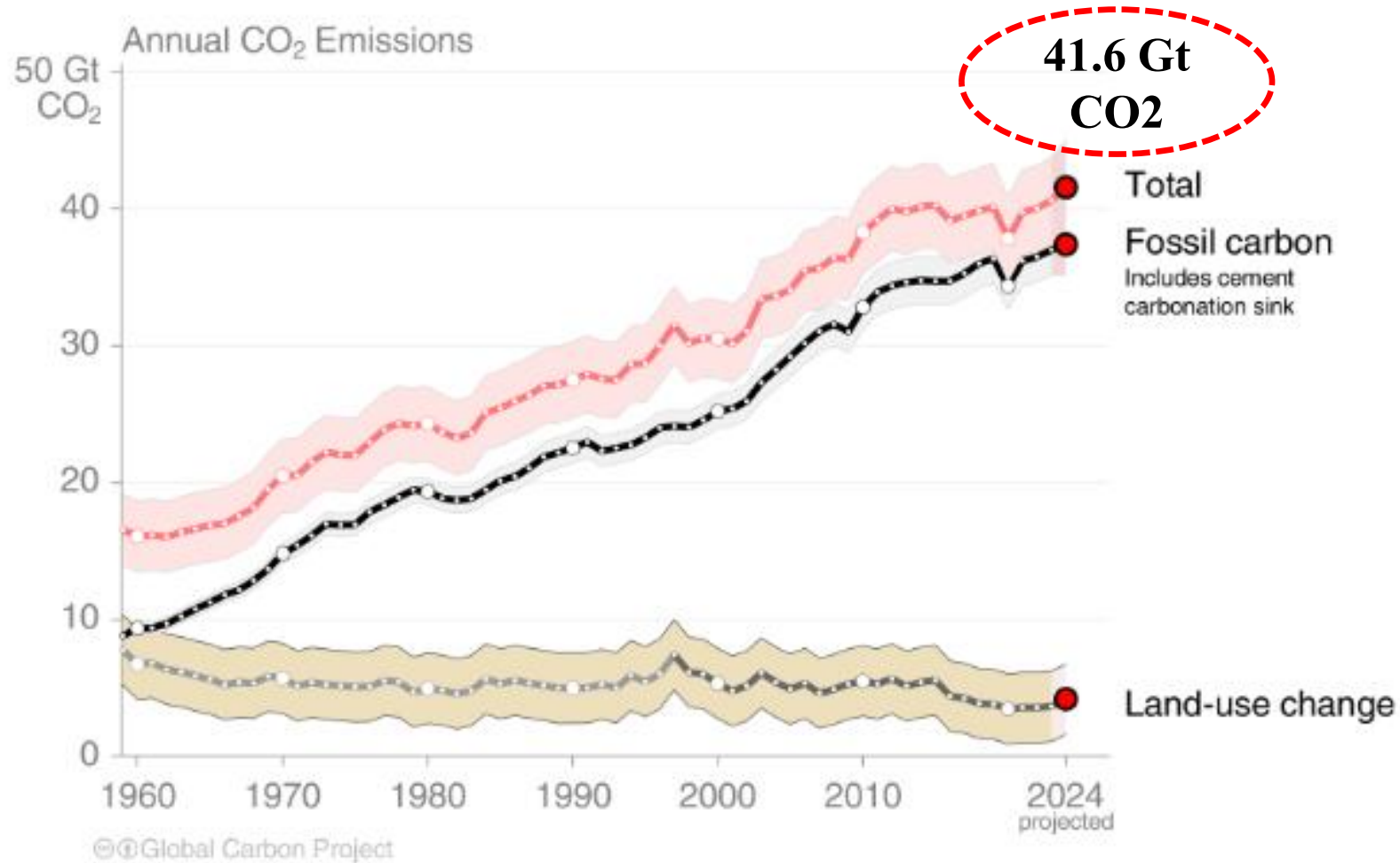
The 2024 projection is based on preliminary data and modelling. It includes a cement carbonation sink of 0.8 GtCO<sub>2</sub>.

Source: [Friedlingstein et al 2024](#); [Global Carbon Project 2024](#)

# Total Global emissions

Total global emissions, projected to reach  $41.4 \pm 3.3$  GtCO<sub>2</sub> in 2023, 49% over 1990

Percentage land-use change: 42% in 1960, 10% averaged 2014–2023



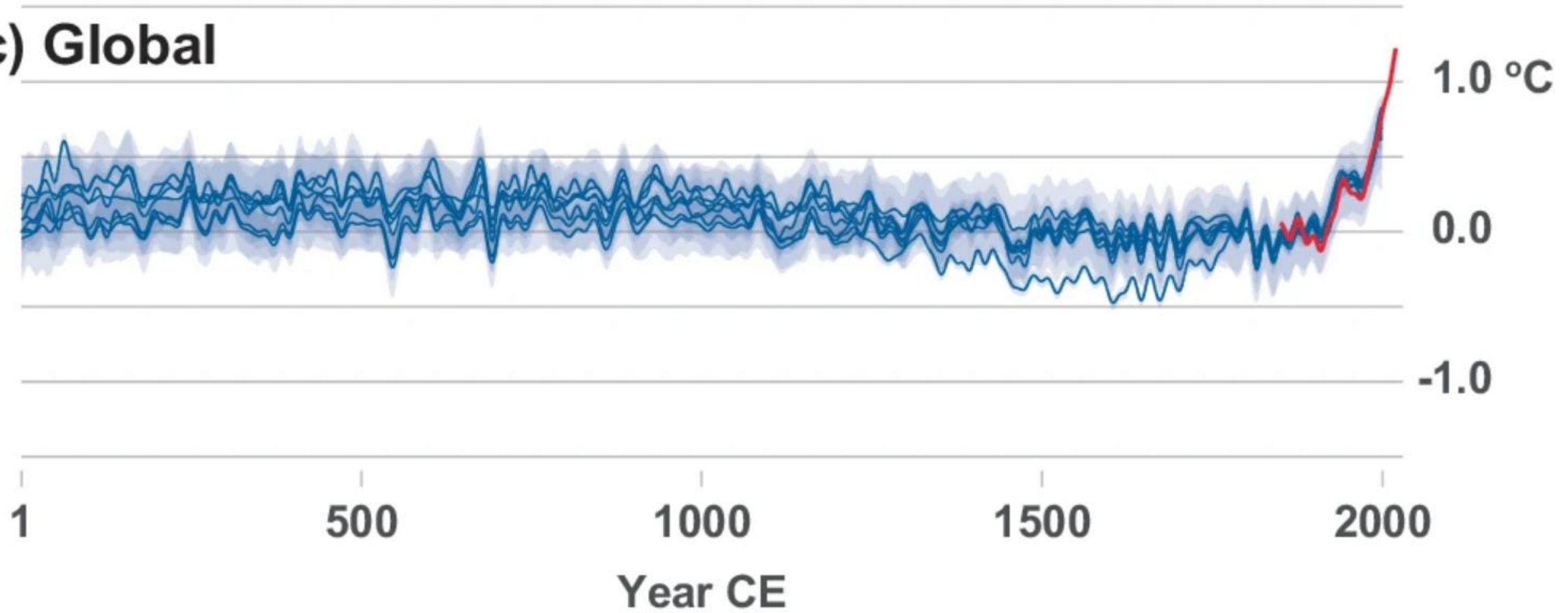
Land-use change estimates from four bookkeeping models, using fire-based variability from 1997

Source: [Friedlingstein et al 2024](#); [Global Carbon Project 2024](#)

<https://globalcarbonbudget.org/>

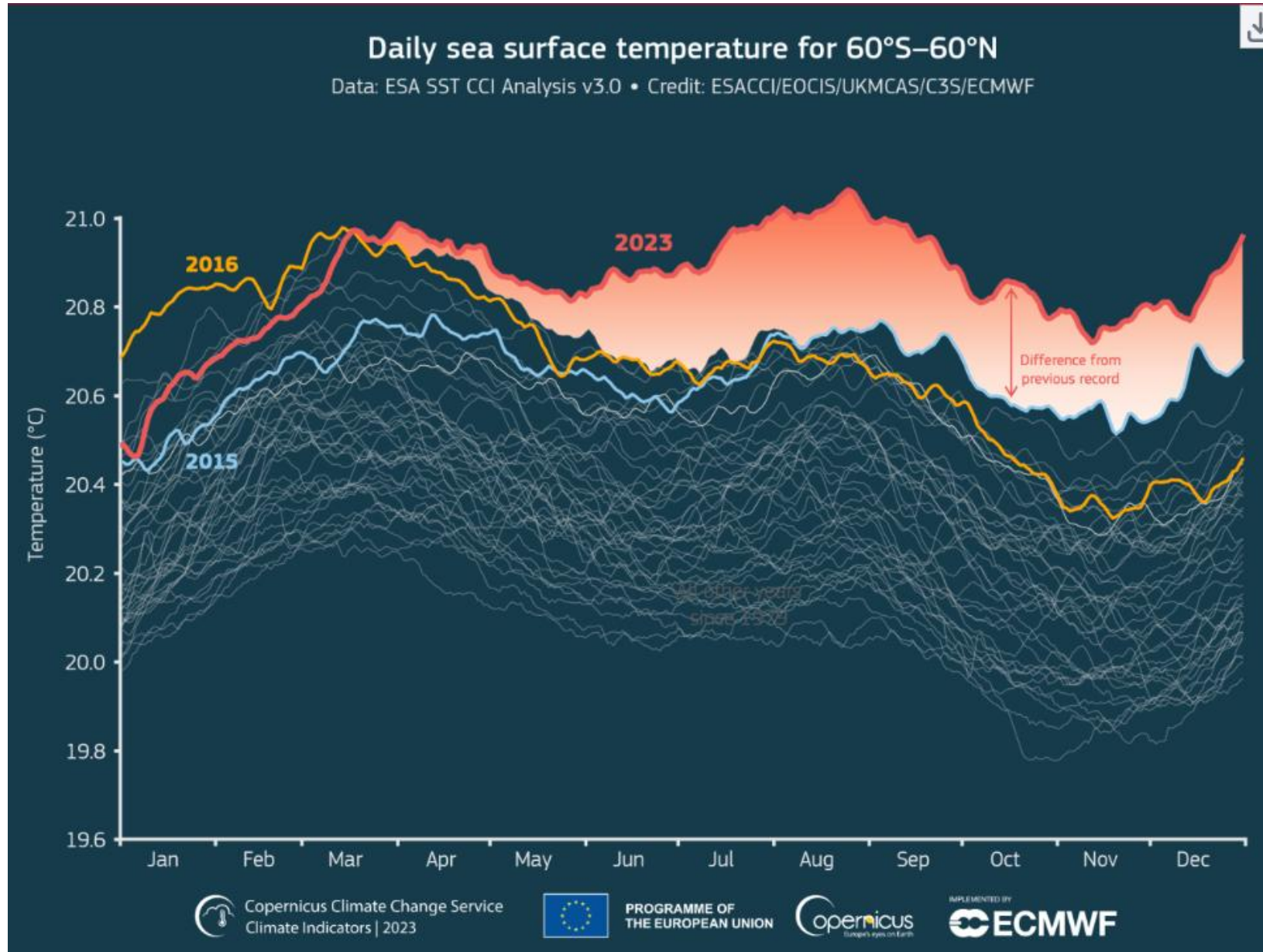
# Global land temperature

**(c) Global**



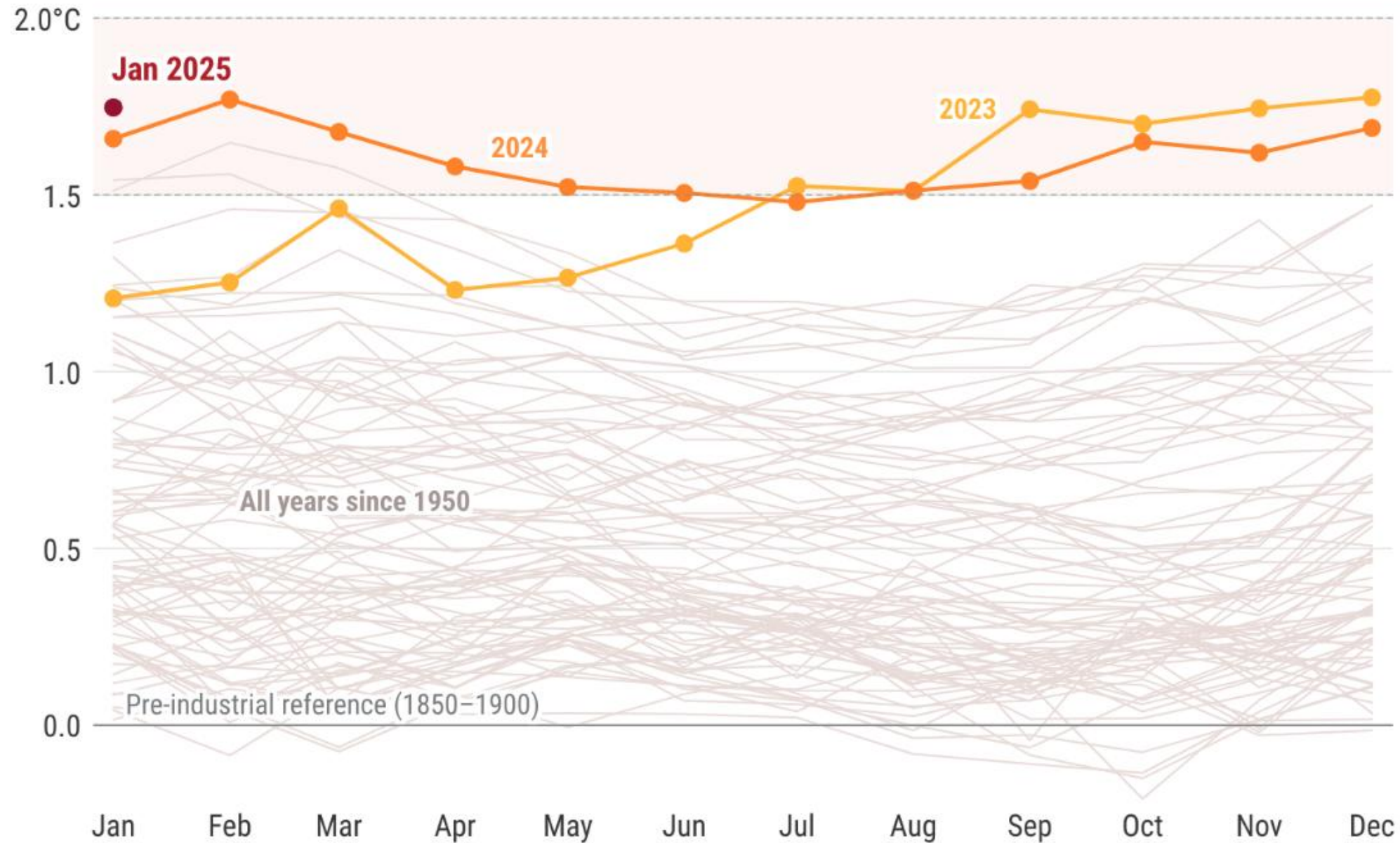


# Global Sea Surface temperature



<https://climate.copernicus.eu/esotc/2023/sea-surface-temperature>

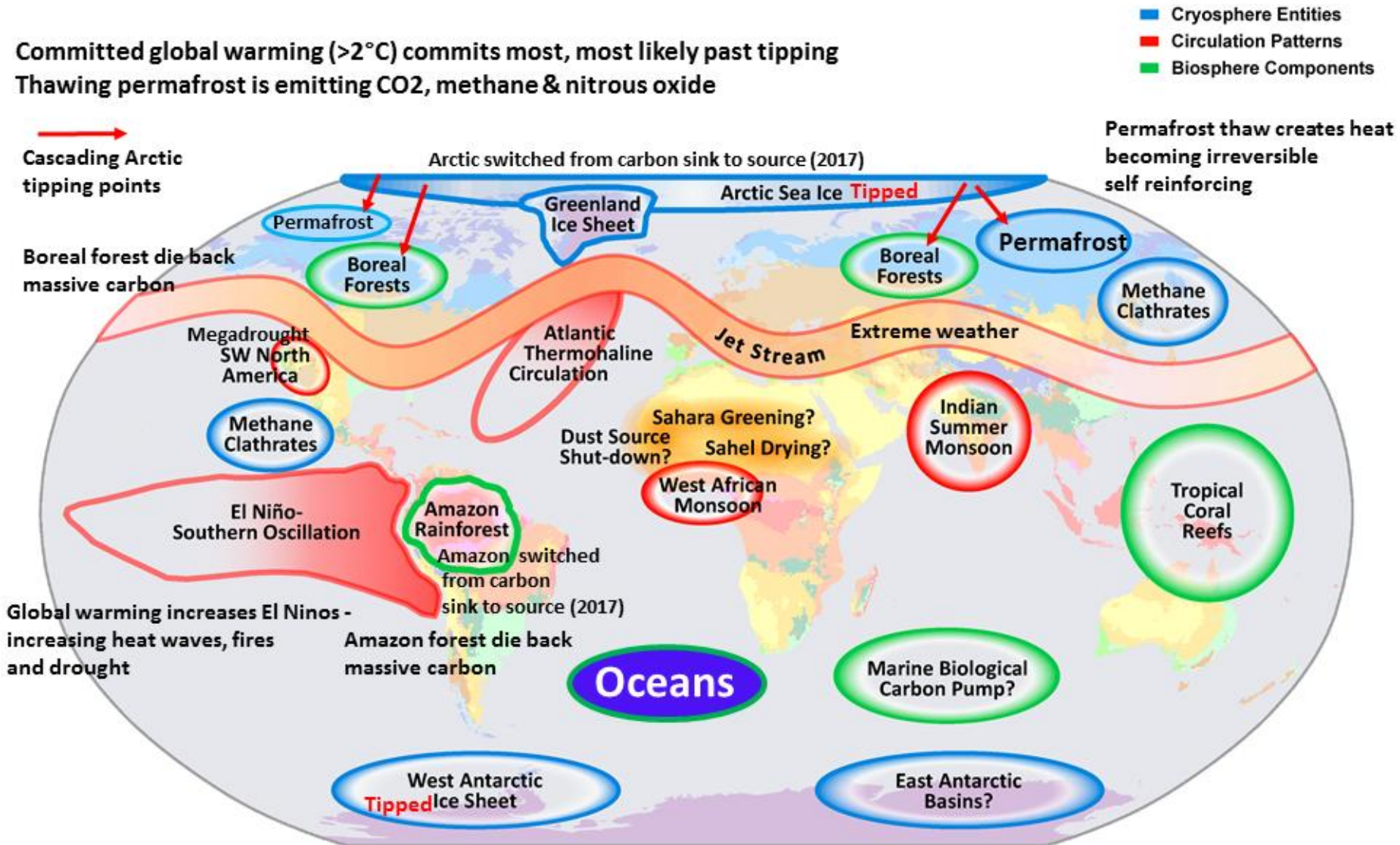
# Global Sea Surface temperature





# Global Warming Vulnerable Tipping Points

Committed global warming ( $>2^{\circ}\text{C}$ ) commits most, most likely past tipping  
Thawing permafrost is emitting  $\text{CO}_2$ , methane & nitrous oxide

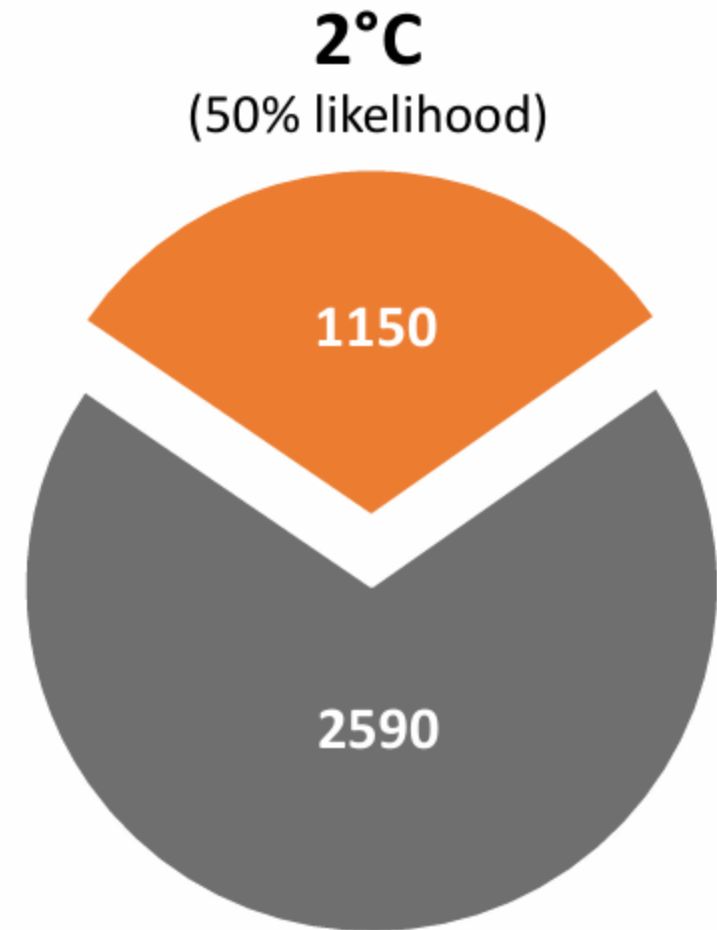
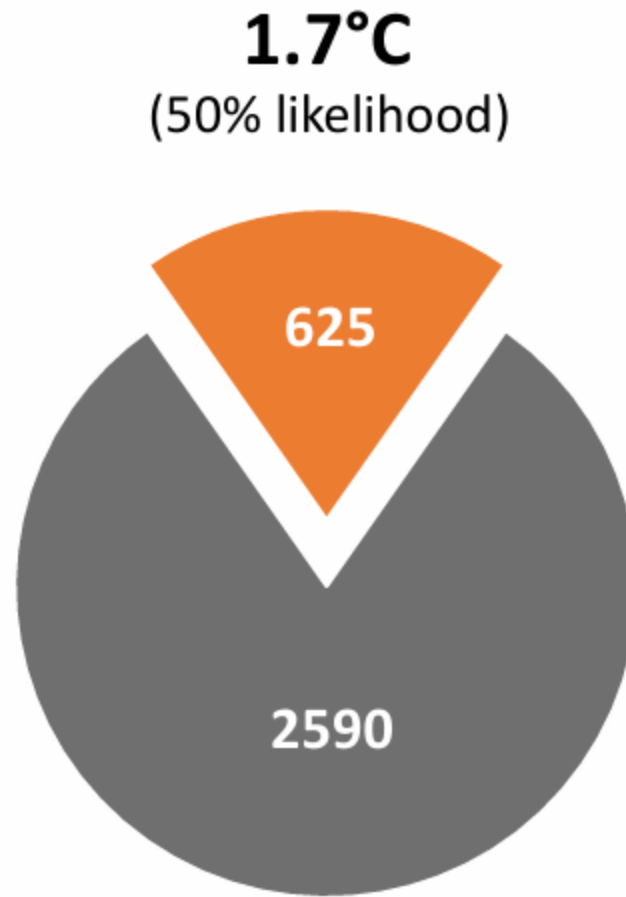
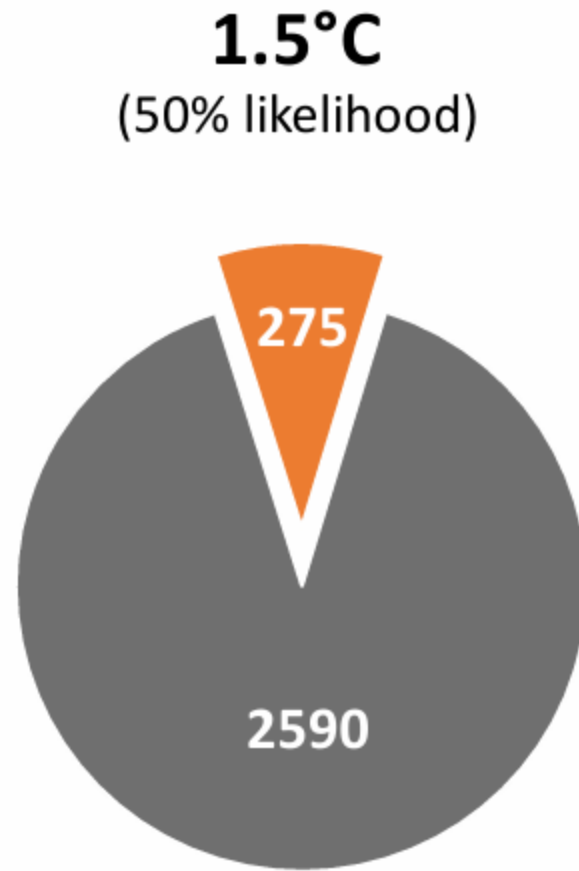


Oceans: Heating, Acidification & Deoxygenation

Adapted from Potsdam Climate Institute  
Tipping Elements the Achilles Heels  
of the Earth System

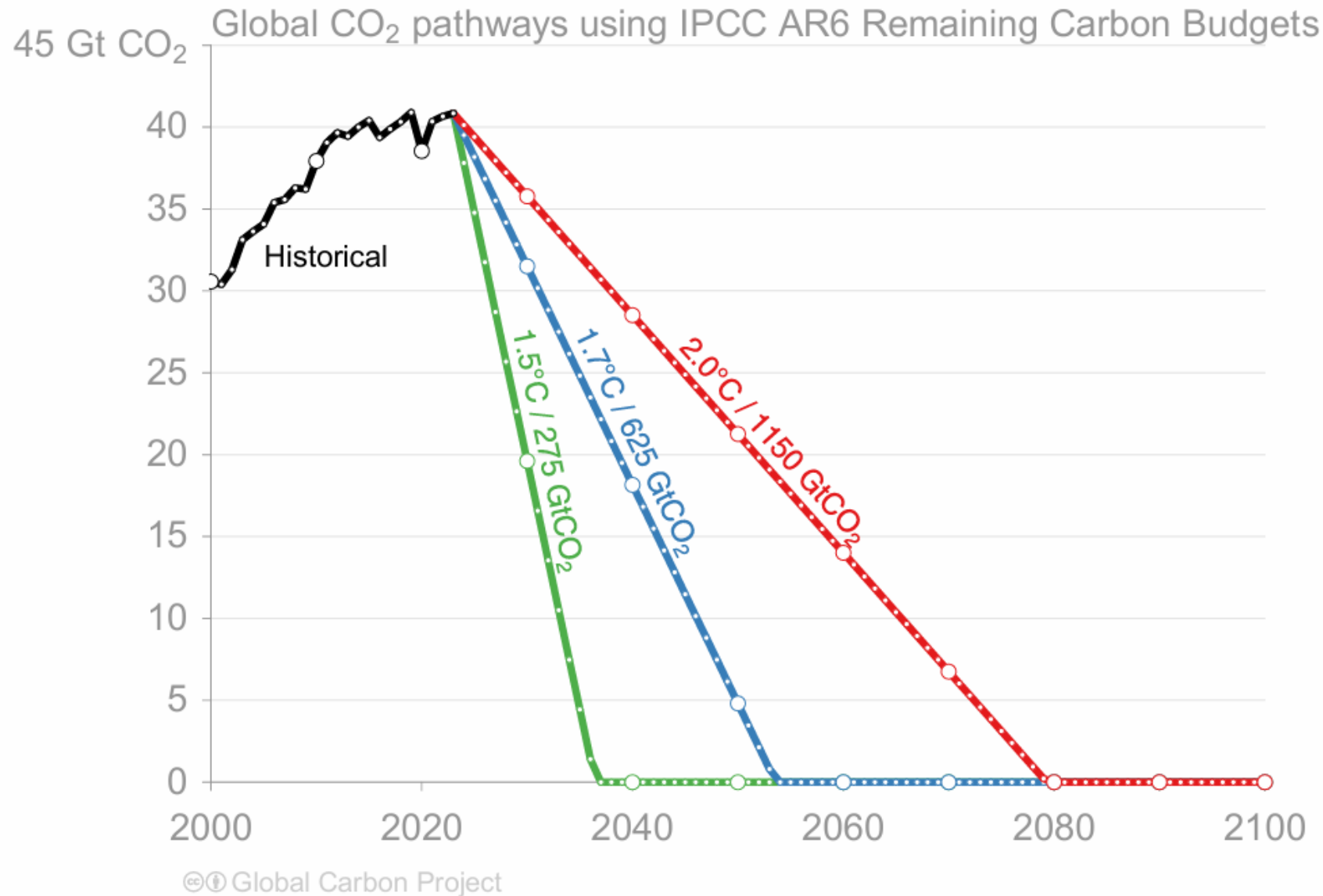
<https://www.pik-potsdam.de/en/output/infodesk/tipping-elements>

# Remaining Carbon Budget



**Gt CO<sub>2</sub>** ■ Consumed  
■ Remaining

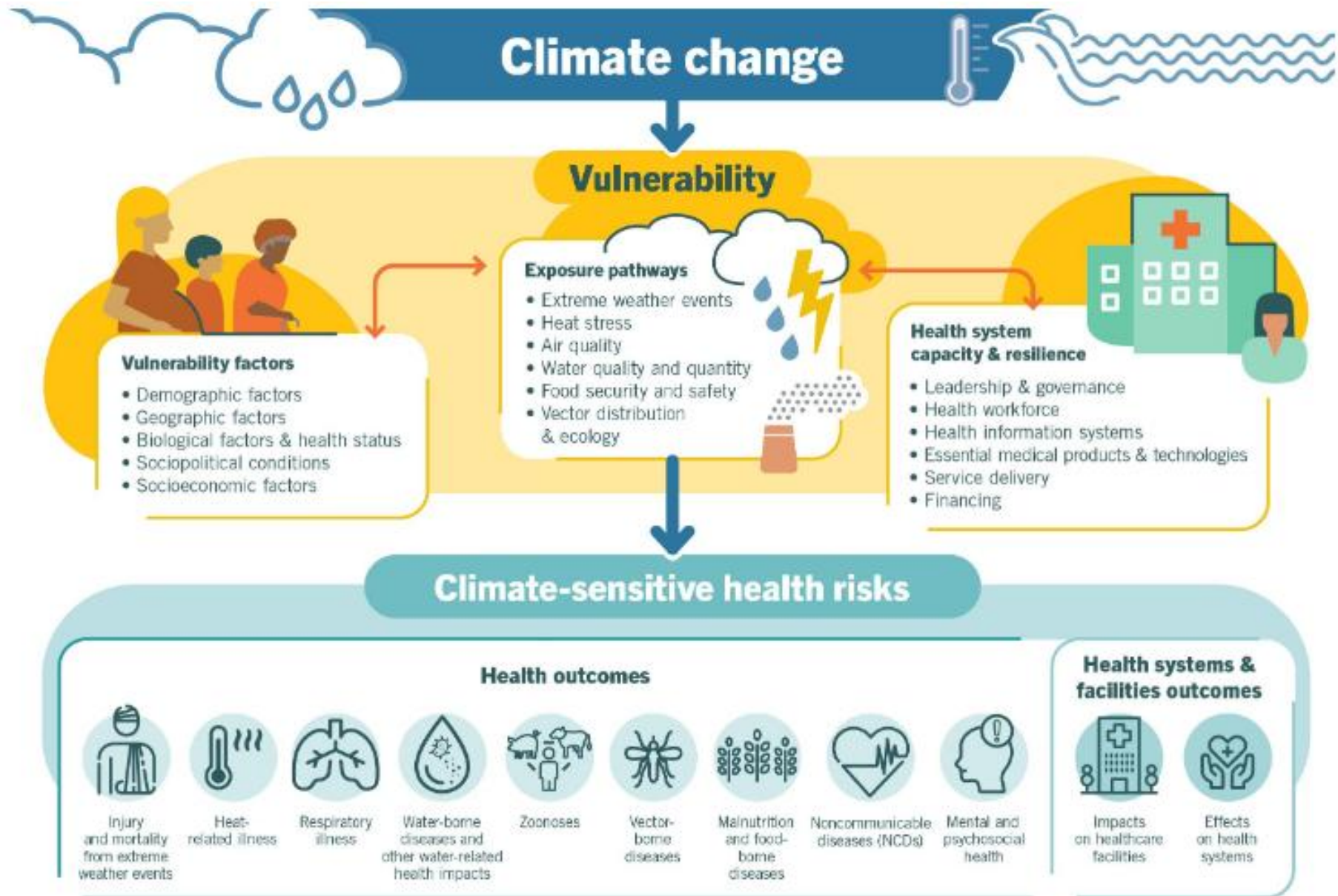
# Global CO<sub>2</sub> emissions must reach 0 to limit global warming





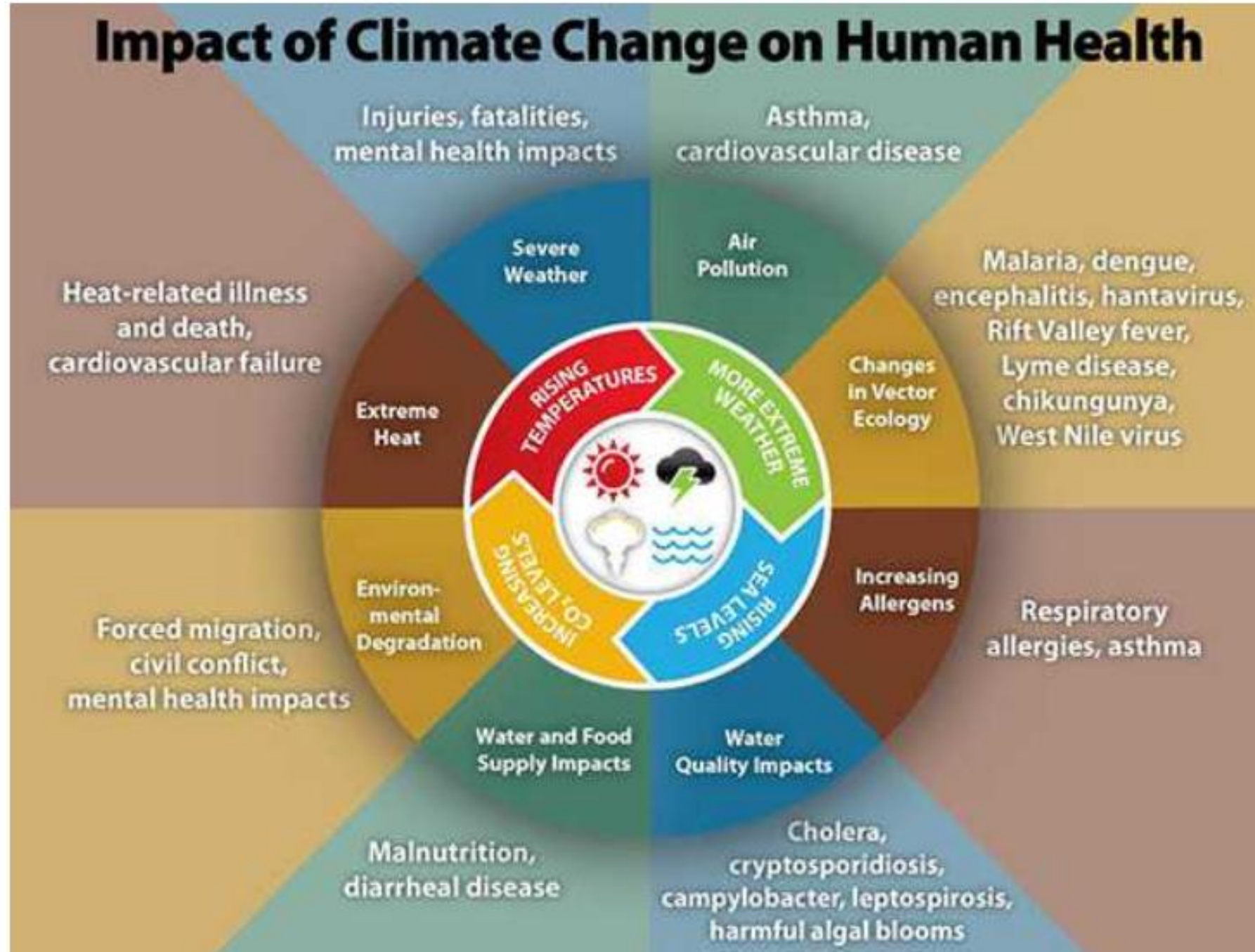
## **4. The Impact of Climate Change: Challenges and Opportunities**

# Climate Change impact on Human Health



(Reference) <https://www.who.int/news-room/fact-sheets/detail/climate-change-and-health>

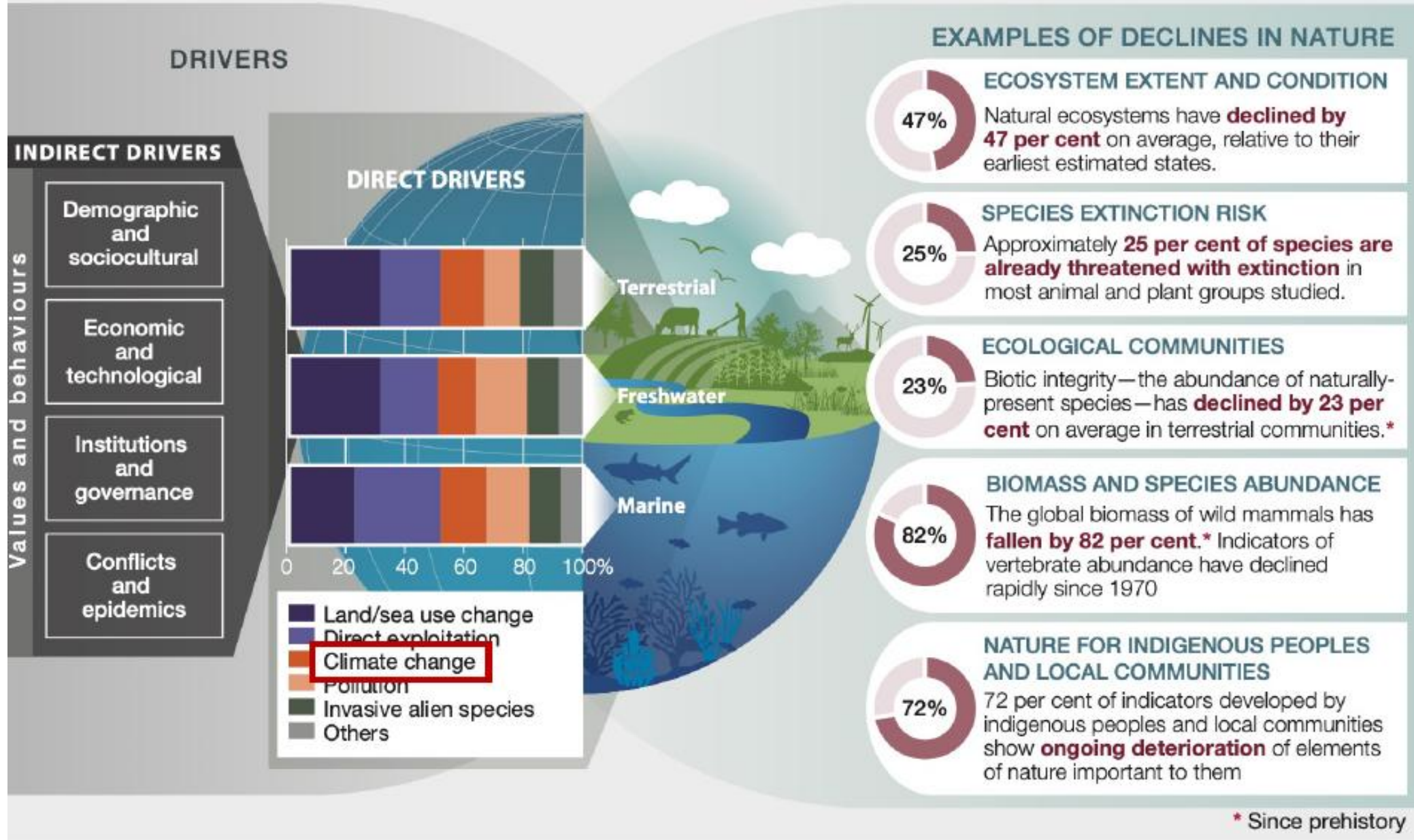
# Impact of Climate Change on Human Health



(Reference) <http://medbox.iab.me/modules/en-cdc/www.cdc.gov/climateandhealth/effects/default.htm>

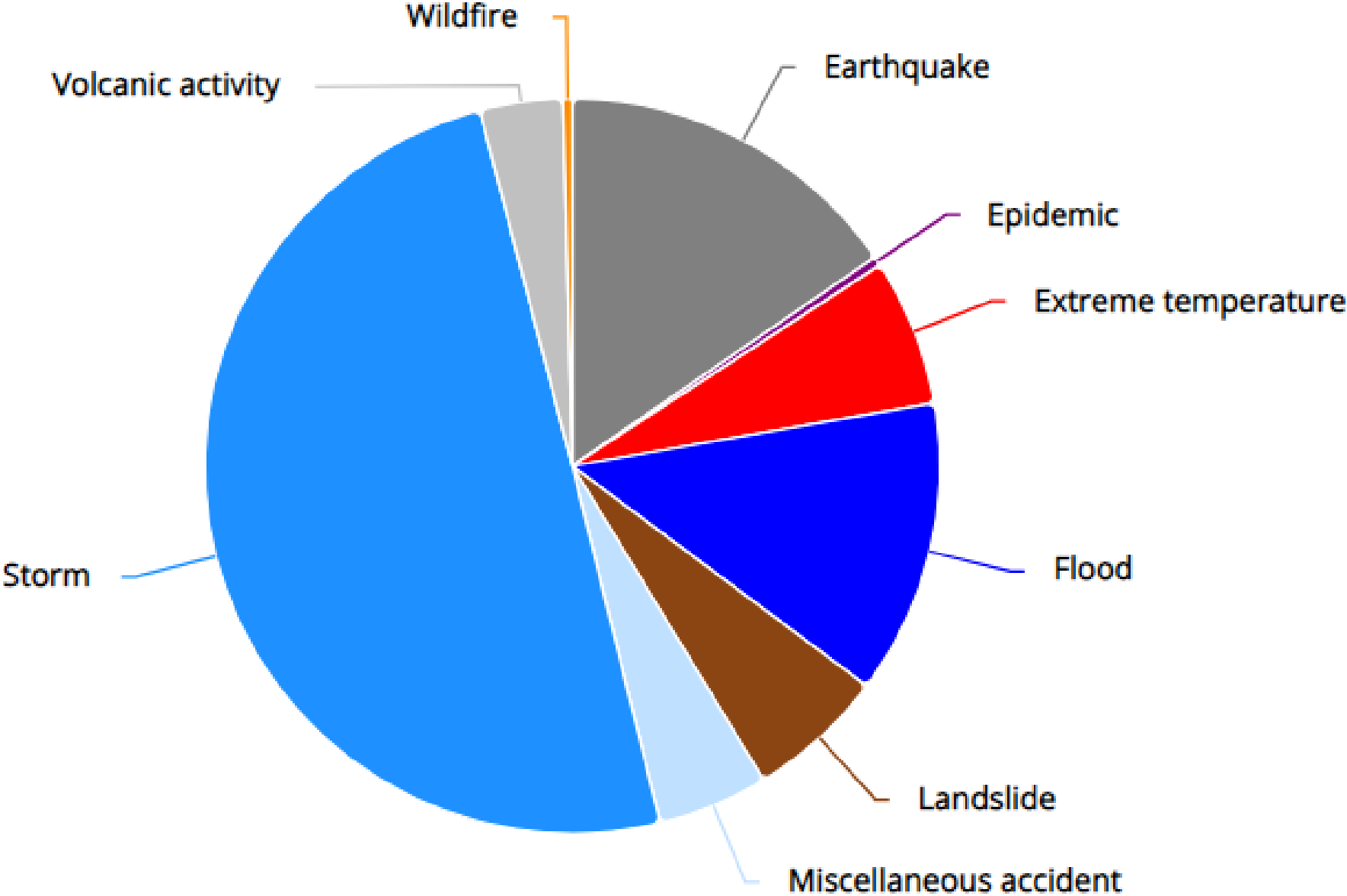


# Climate Change impact on Human Health



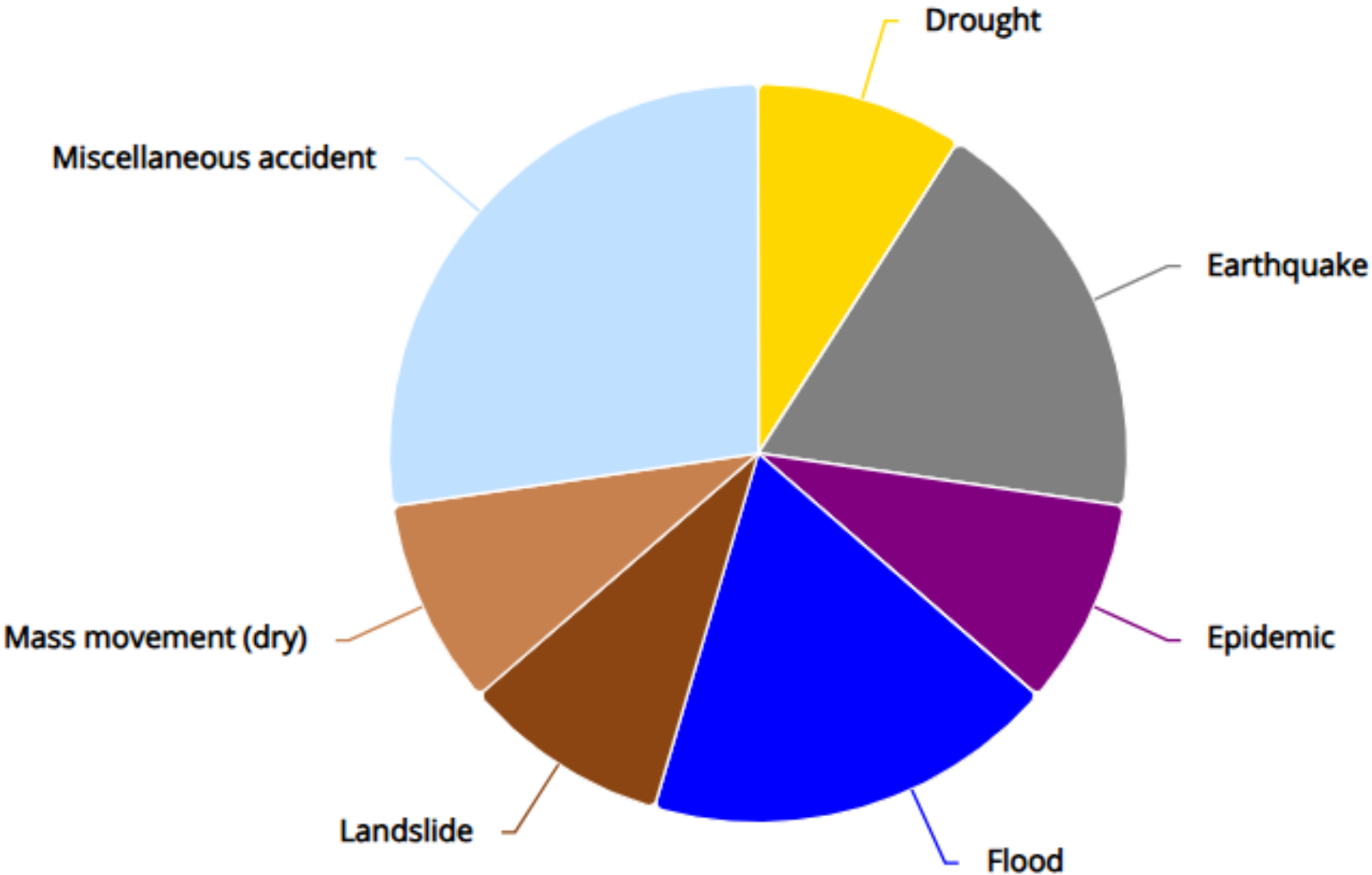
(Reference) IPBES (2019), Global assessment report of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services

# Average Annual Natural Hazard Occurrence in ●● for 1980-2020





# Average Annual Natural Hazard Occurrence in ●● for 1980-2020



## **5. Education for Sustainable Development (ESD): Building a Knowledgeable Society**

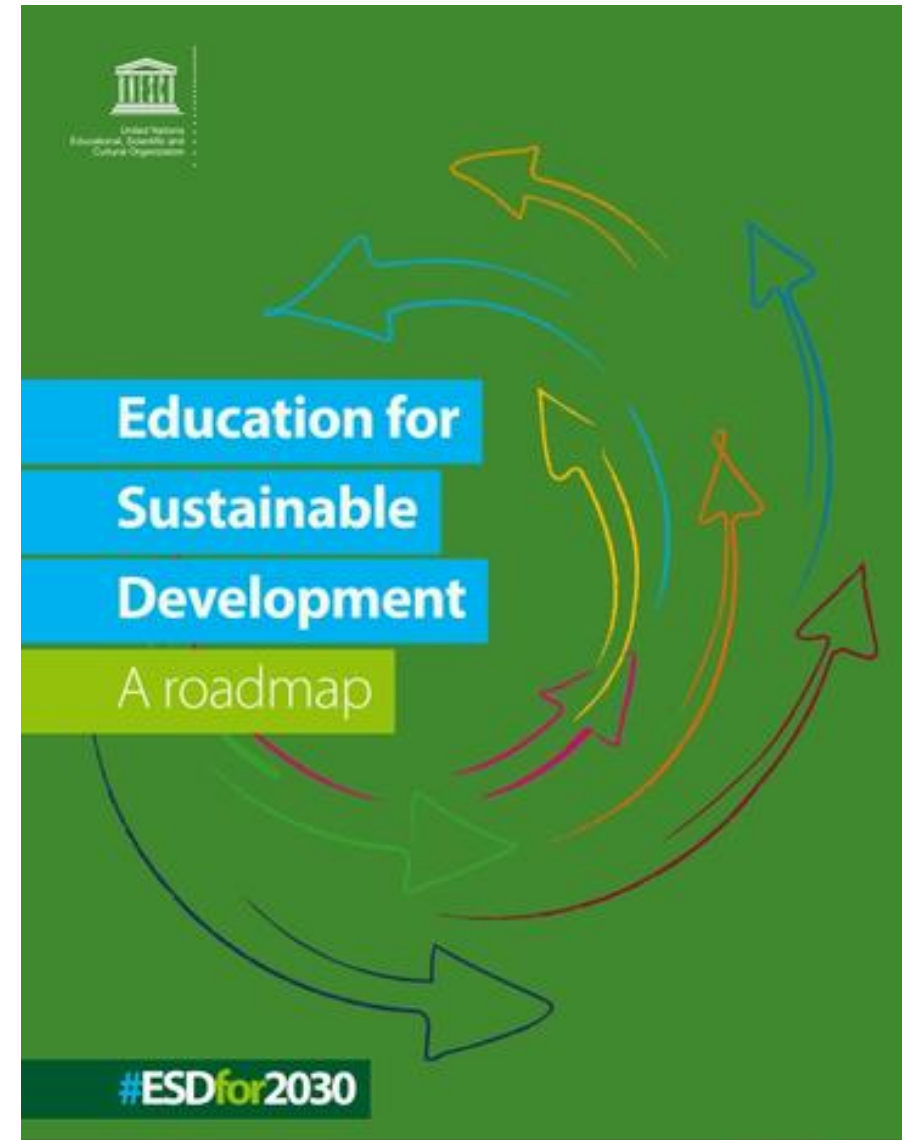
# What is ESD?

**ESD**

**= Education for**

**Sustainable Development**

**"development that meets the needs of the present without compromising the ability of future generations to meet their own needs,"**



# Berlin Declaration on ESD was adopted



# Key Points of the Berlin Declaration on ESD

**Commitment to ESD:** The declaration reaffirms the commitment of UNESCO member states to integrate ESD into all levels of education and training.

**Sustainable Development Goals (SDGs):** It emphasizes the role of ESD in achieving the SDGs, particularly Goal 4 (Quality Education) and Goal 13 (Climate Action).

**Transformative Education:** The declaration calls for transformative education that empowers learners to take informed decisions and responsible actions for environmental integrity, economic viability, and a just society.

**Global Cooperation:** It highlights the importance of international cooperation and partnerships to enhance the effectiveness of ESD initiatives.

**Policy Integration:** Encourages countries to integrate ESD into national education policies, curricula, teacher education, and assessment systems.



# **How does UNESCO work on this theme?**

**UNESCO is the lead United Nations agency for ESD and is responsible for the implementation of ESD for 2030 framework.**

**Climate change education is a key component of ESD, as it helps people understand key issues, change attitudes and behaviors, and take action to limit climate change.**

# 7 Key Words to explain education system on ESD

- **Sustainability:** Understanding and promoting practices that do not deplete resources or harm ecological systems.
- **Critical Thinking:** Encouraging students to analyze and evaluate issues from multiple perspectives.
- **Global Citizenship:** Fostering a sense of responsibility towards the global community and environment.
- **Interdisciplinary Learning:** Integrating knowledge from various subjects to understand complex sustainability issues.
- **Problem-Solving:** Developing the ability to find solutions to environmental, social, and economic challenges.
- **Equity and Justice:** Promoting fairness and addressing inequalities in access to resources and opportunities.
- **Participation:** Encouraging active involvement in decision-making processes at local, national, and global levels.

# Textbook of ESD



# What can countries do?

## Asia Pacific

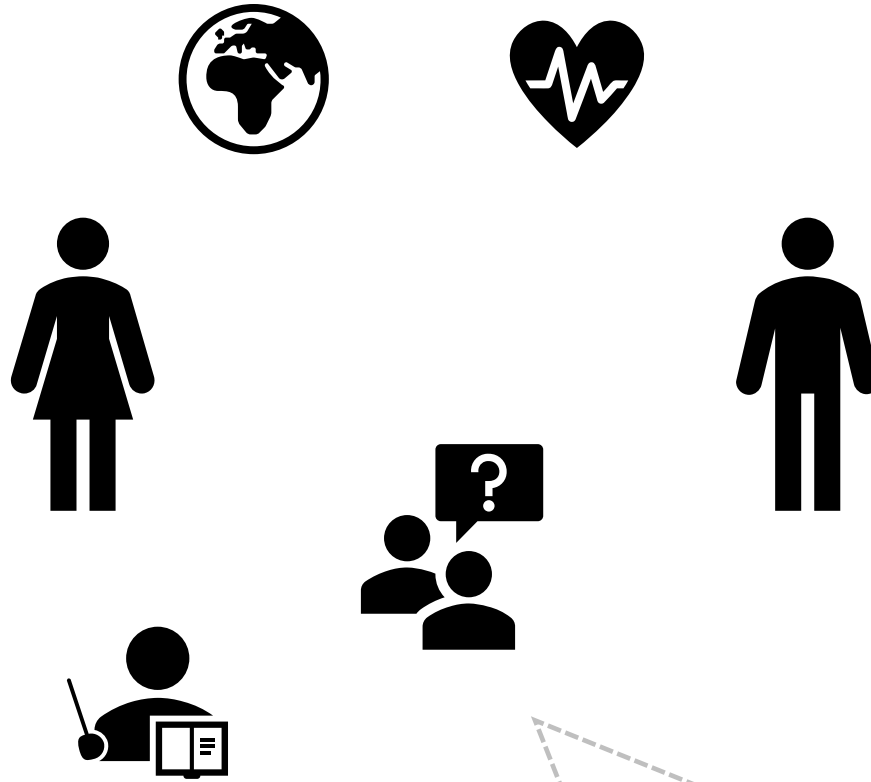


KK Tan/Shutterstock.com

**To advance this, UNESCO encourages Member States to develop ESDfor2030 country initiatives to mainstream education for sustainable development.**

<https://www.unesco.org/en/sustainable-development/education/toolbox>

# Students in the Future



What can insurance contribute to attain SDGs?  
What can you do as a person?





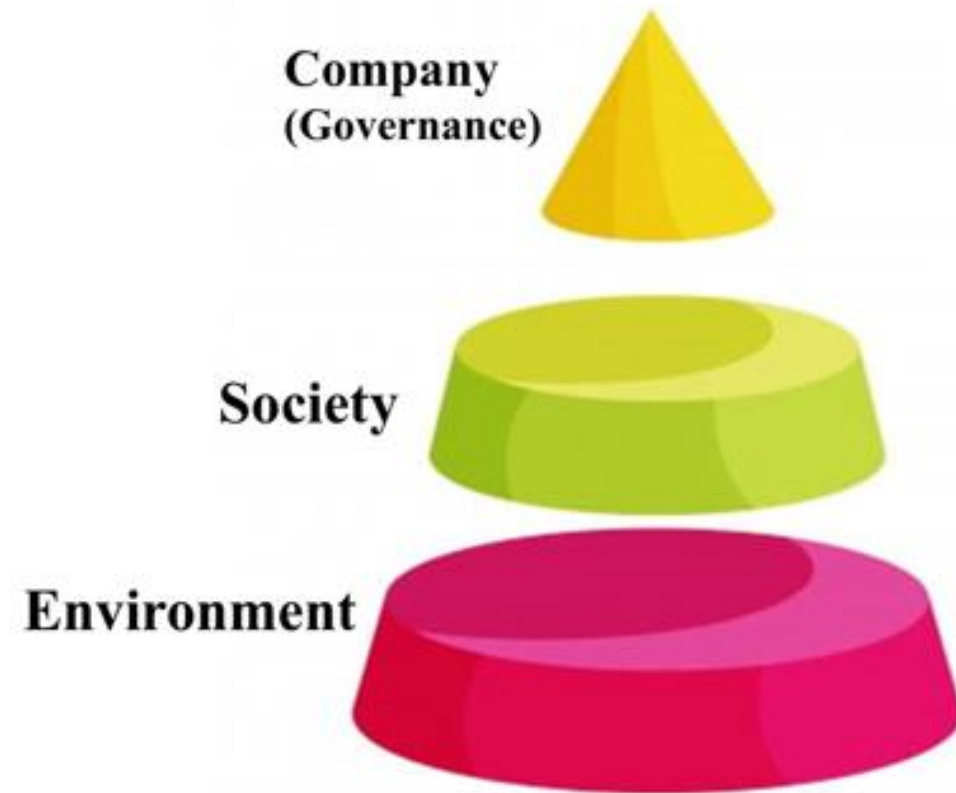
## **6. Sustainable Future**

**: PSI will guide sustainable development**

# Stakeholder Theory and Sustainability Management

**Stakeholder theory is a concept in organizational management that suggests that a company should consider the interests of all its stakeholders, not just its shareholders. Stakeholders include anyone who is affected by the company's actions, such as employees, customers, suppliers, community members, and the environment** poised by Freeman (2010)

## Sustainability Management



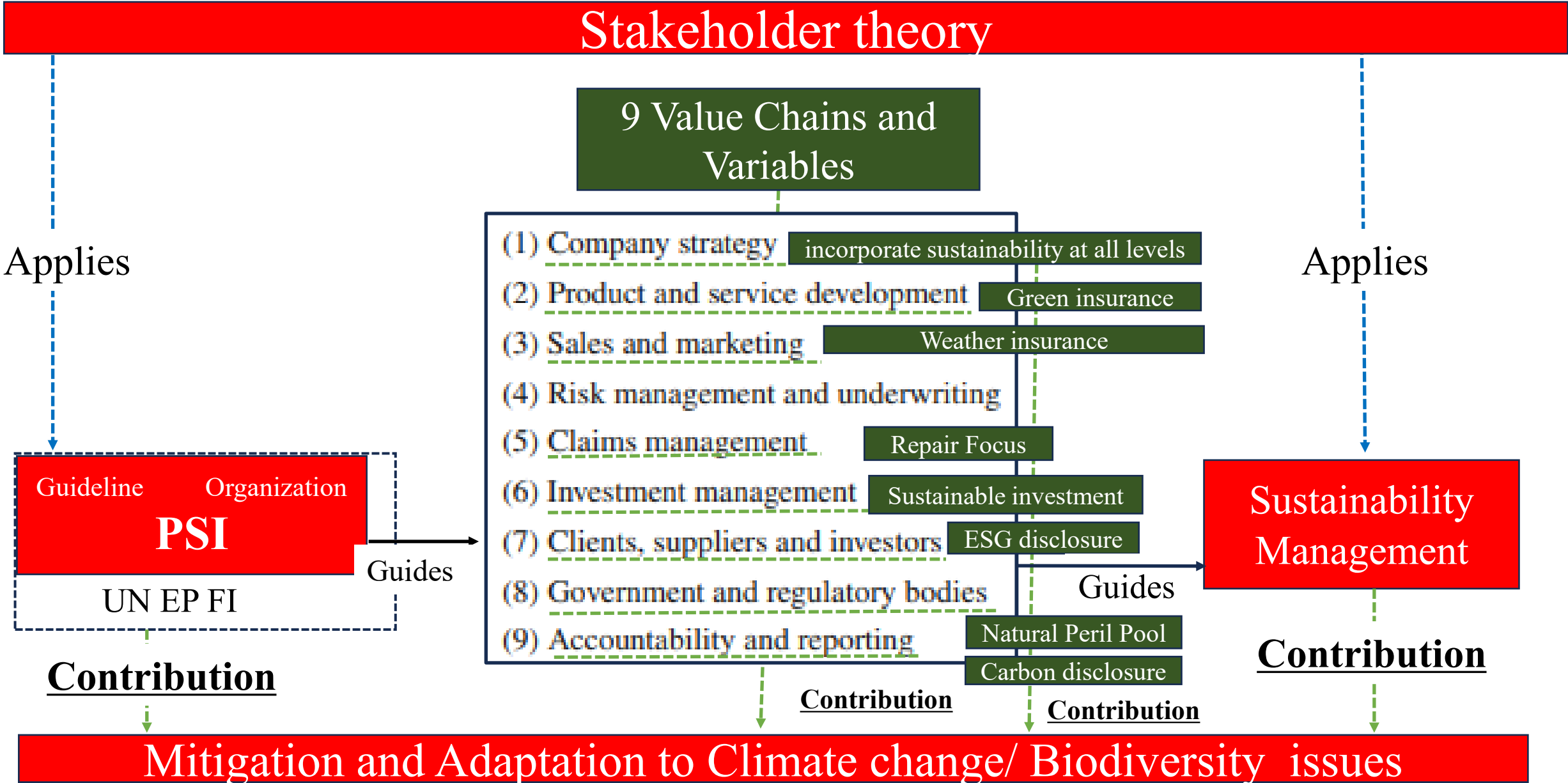
# Principles for Sustainable Insurance (PSI)



**Ban Ki-moon**  
Secretary-General of the United Nations

Principles for Sustainable Insurance (PSI) serve as a global framework for the insurance industry to address environmental, social and governance risks and opportunities. The PSI initiative is the largest collaborative initiative between the UN and the insurance industry.

# PSI will guide Sustainability Management which contributes to Climate Change mitigation and adaptation





# PSI Code of Conduct

Value chain categories	(1)	(2)	(3)	(4)	(5)
	Company strategy	Product and service development	Sales and marketing	Risk management and underwriting	Claims management
PSI guidelines	<ul style="list-style-type: none"><li>• Establish a company strategy at the Board and executive management levels to identify, assess, manage and monitor ESG issues in business operations</li><li>• Dialogue with company owners on the relevance of ESG issues to company strategy</li><li>• Integrate ESG issues into recruitment, training and employee engagement programmes</li></ul>	<ul style="list-style-type: none"><li>• <b>Develop products and services which reduce risk, have a positive impact on ESG issues and encourage better risk management</b></li><li>• Develop or support literacy programmes on risk, insurance and ESG issues</li></ul>	<ul style="list-style-type: none"><li>• Educate sales and marketing staff on ESG issues relevant to products and services and integrate key messages responsibly into strategies and campaigns</li><li>• Make sure product and service coverage, benefits and costs are relevant and clearly explained and understood</li></ul>	<ul style="list-style-type: none"><li>• Establish processes to identify and assess ESG issues inherent in the portfolio and <b>be aware of potential ESG-related consequences of the company's transactions</b></li><li>• Integrate ESG issues into risk management, underwriting and capital adequacy decision-making processes, including research, models, analytics, tools and metrics</li></ul>	<ul style="list-style-type: none"><li>• Respond to clients quickly, fairly, sensitively and transparently at all times and make sure claims processes are clearly explained and understood</li><li>• <b>Integrate ESG issues into repairs, replacements and other claims services</b></li></ul>

# PSI Code of Conduct

Value chain categories	(6)	(7)	(8)	(9)
	Investment management	Clients and suppliers	Government and regulatory bodies	Accountability and reporting
PSI guidelines	<ul style="list-style-type: none"> <li>• <b>Integrate ESG issues into investment decision-making and ownership practices</b> (e.g. by implementing the Principles for Responsible Investment)</li> </ul>	<ul style="list-style-type: none"> <li>• Dialogue with clients and suppliers on the benefits of managing ESG issues and the company’s expectations and requirements on ESG issues</li> <li>• Provide clients and suppliers with information and tools that may help them manage ESG issues</li> <li>• Integrate ESG issues into tender and selection processes for suppliers</li> <li>• <b>Encourage clients and suppliers to disclose ESG issues and to use relevant disclosure or reporting frameworks</b></li> <li>• Promote the adoption of the Principles</li> <li>• Support the inclusion of ESG issues in professional education and ethical standards</li> </ul>	<ul style="list-style-type: none"> <li>• Support prudential policy, regulatory and legal frameworks that enable risk</li> <li>• Dialogue with intergovernmental and non-governmental organisations to support sustainable development by providing risk management and risk transfer expertise</li> <li>• Dialogue with business and industry associations to better understand and manage ESG issues across industries and geographies</li> <li>• Dialogue with academia and the scientific community to foster research and educational programmes on ESG issues</li> <li>• <b>Dialogue with media to promote public awareness of ESG issues and good risk management reduction, innovation and better management of ESG issues</b></li> <li>• Dialogue with governments and regulators to develop integrated risk management approaches and risk transfer solutions</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Assess, measure and monitor the company’s progress in managing ESG issues and proactively and regularly disclose this information publicly</b></li> <li>• Participate in relevant disclosure or reporting frameworks</li> <li>• Dialogue with clients, regulators, rating agencies and other stakeholders to gain mutual understanding on the value of disclosure through the Principles</li> </ul>

# The insurance industry and sustainable development: A UN system-wide agenda



UN Global Compact



UN Framework  
Convention  
on Climate Change



UN Environment



International  
Labour Organization



**PSI**  
Principles for Sustainable Insurance



**UN DESA**  
UN Dept. of  
Economic & Social  
Affairs



**WHO**  
World Health Organization



Office of the UN High Commissioner  
for Human Rights



**PSI**  
Principles  
for Sustainable  
Insurance



UN Human Settlements Programme



**UNISDR**  
The United Nations Office for Disaster Risk Reduction

UN Office for Disaster Risk Reduction



UN Development  
Programme



Food & Agriculture  
Organization



World  
Food Programme



UN Educational,  
Scientific & Cultural  
Organization



World  
Meteorological  
Organization



UN Conference on Trade  
& Development



## Asia Pacific

[Association of Insurers and Reinsurers of Developing Countries, Philippines](#)

[Australian Prudential Regulation Authority, Australia](#)

[Friends of the Earth \(HK\), China](#)

[Financial Services Council of New Zealand, New Zealand](#)

[Foundation for Advancement of Life and Insurance Around the World \(FALIA\), Japan](#)

[General Insurance Council of India, India](#)

[Hong Kong Federation of Insurers, China](#)

[Insurance Commission of the Philippines, Philippines](#)

[Insurance Council of Australia, Australia](#)

[Insurance Council of New Zealand, New Zealand](#)

[Insurance Institute for Asia & the Pacific, Philippines](#)

[Insurance Institute of India, India](#)

[Korea Deposit Insurance Corporation, Republic of Korea](#)

[Philippine Insurers & Reinsurers Association, Philippines](#)

[Philippine Life Insurance Association, Philippines](#)

[Thaipat Institute, Thailand](#)

[Tobacco Free Portfolios, Australia](#)

[University of Technology, Sydney \(UTS\) Business School, Australia](#)



# PSI Literature and Coverage of SDGs and Value Chain

Title of Publications	Year	Main points	Coverage of SDGs	Coverage of Value Chain
Key Takeaways from the UNEP FI Leadership Council Meeting 2022	2022	This summary highlights key discussions from a meeting on sustainable finance. It addressed aligning private finance with SDGs, preventing greenwashing, standardizing regulations, and implementing 2023 strategies for harmonizing sustainable finance frameworks across regional contexts.	Goal 17: Partnerships for the Goals	①, ⑧, ⑨
Annual Overview 2021	2022	This report reviews the company's 2021 achievements, strategies, financial status, and sustainability efforts. It highlights progress in ESG initiatives while presenting financial summaries, portfolio overviews, and the company's vision for growth and a sustainable future.	Goal 12: Responsible Consumption and Production	①, ⑨
New risks, new opportunities: Harnessing environmental pollution liability insurance for a sustainable economy	2022	This report explores the potential of environmental pollution liability insurance to support a sustainable economy. It highlights strategies for insurers to manage pollution risks, fulfill responsibilities, and balance economic growth with environmental conservation.	Goal 11: Sustainable Cities and Communities	④, ⑦
Managing environmental, social and governance risks in life & health insurance business	2022	This guide is the first to address ESG risk management in life and health insurance. Developed under UNEP's PSI Initiative, it outlines methods for assessing and managing ESG risks, providing strategies for aligning insurance practices with sustainability goals across individual and group perspectives.	Goal 3: Good Health and Well-being	①, ④, ⑤
Insuring the net-zero transition: Evolving thinking and practices	2022	This report explores evolving practices in the insurance sector to support the net-zero transition. Developed under UNEP's PSI Initiative, it highlights strategies and tools for addressing climate change, achieving net-zero goals, and building a sustainable future through effective risk management.	Goal 13: Climate Action	①, ④, ⑥
Insuring the climate transition: Enhancing the insurance industry's assessment of climate change futures	2021	This report aims to enhance the insurance sector's efforts to assess and address climate change futures. Developed under UNEP's PSI Initiative, it explores leveraging hindsight and foresight to implement TCFD recommendations and improve risk evaluation and management.	Goal 13: Climate Action	①, ④, ⑥

# PSI Literature and Coverage of SDGs and Value Chain

Title of Publications	Year	Main points	Coverage of SDGs	Coverage of Value Chain
Using hindsight and foresight: Update from the TCFD Pilot Project for Insurers	2020	This report details UNEP's PSI Initiative progress, focusing on how insurers use past experiences and future projections to assess climate risks. It highlights strategies and tools for implementing TCFD recommendations to enhance risk evaluation and management effectively.	Goal 9: Industry, Innovation, and Infrastructure	①, ④, ⑨
Beyond ‘Business as Usual’: Biodiversity Targets and Finance	2020	This report explores biodiversity goals and finance's role, focusing on how businesses assess and manage biodiversity risks. It analyzes the impacts of biodiversity loss, presents frameworks for financial institutions, and emphasizes integrating biodiversity conservation with the SDGs for a sustainable future.	Goal 15: Life on Land	①, ④, ⑦
Managing environmental, social and governance risks in non-life insurance business	2020	This report explores biodiversity goals and the role of finance, focusing on managing biodiversity risks across industries. It examines the impacts of biodiversity loss, presents frameworks for financial institutions, and emphasizes aligning biodiversity conservation with the SDGs.	Goal 12: Responsible Consumption and Production	①, ④, ⑦
Unwrapping the risks of plastic pollution to the insurance industry	2020	This guide by UNEP FI focuses on managing ESG risks and promoting sustainable practices in the non-life insurance sector. It provides frameworks for identifying and evaluating ESG risks, integrating them into underwriting processes, and aligning strategies with the SDGs.	Goal 14: Life Below Water	①, ④, ⑦
Protecting our World Heritage, insuring a sustainable future	2019	This guide by UNEP FI explores the insurance sector's role in protecting World Heritage sites and promoting sustainable development. It highlights strategies for balancing environmental conservation with economic sustainability through risk management and financing, emphasizing insurers' responsibilities in this effort.	Goal 11: Sustainable Cities and Communities	①, ④, ⑦
Risk Assessment and Control of Illegal, Unreported and Unregulated Fishing for the Marine Insurance Industry	2019	This guide by UNEP FI explores the insurance sector's role in protecting World Heritage sites and promoting sustainable development. It highlights strategies for balancing environmental conservation with economic sustainability through risk management and financing, emphasizing insurers' responsibilities in this effort.	Goal 14: Life Below Water	①, ④, ⑦

**This is the end of the presentation.**

**Thank you for listening to my presentation.**



# FALIA

The Foundation for the Advancement  
of Life & Insurance Around the world  
(Public Interest Incorporated Foundation)

公益財団法人 国際保険振興会

# Mission

**FALIA aims for enlightenment and dissemination of sound insurance philosophy through education, guidance and support. It aims to widely contribute to sound development of insurance business around the world.**

# Vision

**Be a Platform to encourage connections between people**

**FALIA will develop a human network of horizontal collaboration among insurance supervisors, companies and students globally through group training seminars and essay competitions.**



President  
**Takeshi Fujii**



# 1. Invitational Seminars in Japan



## Breakdown of Participants in the Seminars held in Japan

**Total 4,283 persons as of March 2024**

China	286	Philippines	362
Hong Kong	46	Singapore	63
Taiwan	730	Sri Lanka	319
India	65	Thailand	474
Indonesia	447	Turkey	81
Korea	843	Uzbekistan	159
Malaysia	205	Vietnam	49
Mongolia	40	Others (*)	114

## 2. Overseas Seminars

Year	Location	Topics
2010	Taipei, Taiwan	CS Promotion Strategy at a Life Insurance Company
	Manila, Philippines	Risk Management at a Life Insurance Company
	Seoul, Korea	Total Life Planning Strategy and Sales Promotion
	Bangkok, Thailand	Risk Management at a Life Insurance Company
2011	Colombo, Sri Lanka	Product Development and Control of Pricing Risk
	Tashkent, Uzbekistan	Life Insurance Product Development Strategy
2012	Jakarta, Indonesia	Product Development and Control of Pricing Risk
	Ulaanbaatar, Mongolia	Product Development Strategy of Life Insurance
2013	Kuala Lumpur, Malaysia	Risk Management at a Life Insurance Company
2014	Manila, Philippines	Risk Management at a Life Insurance Company
	Jakarta, Indonesia	Overview of Life Insurance Industry in Japan
		Risk Management at a Life Insurance Company
2015	Taipei, Taiwan	Product Development and Control of Underwriting Risk
2016	Colombo, Sri Lanka	Product Development and Control of Pricing Risk
	Kuala Lumpur, Malaysia	Product Development Strategy in responding to Changes in Social Environment
		Internet Life Insurance in Japan-Current Situation and Challenge
2018	Bangkok, Thailand	Product Development Strategy under Lowering Interest Rate and Aging
		IT Utilization “The Digital”
	Tashkent, Uzbekistan	Risk Management in Life Insurance Companies
2023	Kathmandu, Nepal	Challenges of Life Insurance Industry in a Rapidly Changing Business Environment
		Challenges of Life Insurance Industry in Japan and Suggestions for Life Insurance Industry in Nepal
		Sustainability Management of Life Insurance Company

### 3. Essay Competition



## 2024 Essay Contest Award Ceremony



### FALIA Essay Competition 2024 Prize Winner Announcement

Prize	Name	Country	University	Essay Title
1st	Bamunu Arachchillage Niluka Dilrukshi	Sri Lanka	International University of Japan	Barriers to Market Penetration of Life Insurance Products: Assessing the Factors Affecting the Adoption of Educational Investment Life Insurance Products in Sri Lanka

<https://falia.info/perdentaion2024>



# East Asia Insurance Congress (EAIC)



## Welcome to EAIC

The EAIC was founded in 1962 with the aim of furthering and developing international collaboration in the field of insurance of every sort.

**EAIC**  
2024  
HONG KONG

HOME 

[About EAIC 2024](#) | [Programme](#) | [Registration](#) | [Sponsors](#) | [Plan Your Stay](#)

# 30<sup>th</sup> East Asian Insurance Congress Hong Kong Conference

  
Back to the FUTURE

Empowering East Asian Insurers for 2044 and Beyond

Building on the Foundation and Exploring the Future

<https://eaic2024.hk/>











# EAIC Hong Kong 2024





