



UNITED NATIONS DECADE ON  
**ECOSYSTEM  
RESTORATION**  
2021-2030



Food and Agriculture Organization  
of the United Nations

**UN**   
environment  
programme

# SDGs and the Food-Climate-Biodiversity-Environment Nexus: Global Development and Local Implications

Date: 19 October 2023

Time: 11:00-12:15

# Welcome Remarks



**Veronika Hunt Šafránková,**  
Head  
UNEP Brussels  
speaking on behalf of UNEP and FAO

# Technical intervention



**Natalia Galat**

Senior Officer  
Office for the SDGs  
FAO

# SDGs and the food-climate-biodiversity- environment nexus: global development and local implications

Side event  
SDG Forum Belgium  
19 October 2023

Ms. Natalia Galat, Senior Technical Officer (SDG Coordination)

Office of Sustainable Development Goals

Food and Agriculture Organization of the United Nations



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Organization of the  
United Nations



*A life in dignity  
and prosperity  
and peace on a  
healthy planet*





# The SDGs are the world's shared plan to end extreme poverty, eradicate hunger, reduce inequality and protect the planet by 2030



## CURRENT STATE OF PROGRESS TOWARD THE SUSTAINABLE DEVELOPMENT GOALS BASED ON SELECT TARGETS

GOAL	INDICATOR	DISTANCE FROM TARGET (2023) <sup>1</sup>	TREND OF SDG PROGRESS (2023) <sup>1</sup>	CHANGE IN TREND OF SDG PROGRESS BETWEEN 2020 AND 2023 <sup>2</sup>
1	1.1.1 Eradicate extreme poverty	Very far from target	Limited or no progress	Backward
	1.3.1 Implement social protection systems	Fair progress but acceleration needed	Fair progress but acceleration needed	N/A
2	2.1.2 Achieve food security	Fair progress but acceleration needed	Deterioration	None
	2.2.1 End malnutrition (stunting)	Fair progress but acceleration needed	Fair progress but acceleration needed	None
3	3.1.2 Increase skilled birth attendance	Target met or almost met	Fair progress but acceleration needed	Backward
	3.2.1 End preventable deaths under 5	Fair progress but acceleration needed	Fair progress but acceleration needed	Backward
	3.3.3 End malaria epidemic	Fair progress but acceleration needed	Limited or no progress	None
	3.5.1 Increase vaccine coverage	Fair progress but acceleration needed	Deterioration	Backward
4	4.1.2 Ensure primary education completion	Fair progress but acceleration needed	Limited or no progress	Backward
5	5.3.1 Eliminate child marriage	Fair progress but acceleration needed	Fair progress but acceleration needed	None
	5.5.1 Increase women in political positions	Fair progress but acceleration needed	Fair progress but acceleration needed	None
6	6.1.1 Universal safe drinking water	Fair progress but acceleration needed	Limited or no progress	None
	6.2.1 Universal safe sanitation and hygiene	Fair progress but acceleration needed	Fair progress but acceleration needed	None
7	7.1.1 Universal access to electricity	Fair progress but acceleration needed	Fair progress but acceleration needed	Backward
	7.3.1 Improve energy efficiency	Fair progress but acceleration needed	Fair progress but acceleration needed	None
8	8.1.1 Sustainable economic growth	Fair progress but acceleration needed	Deterioration	Backward
	8.5.2 Achieve full employment	Target met or almost met	Limited or no progress	None
9	9.2.1 Sustainable and inclusive industrialization	Target met or almost met	Limited or no progress	None
	9.5.1 Increase research and development spending	Fair progress but acceleration needed	Fair progress but acceleration needed	Forward
	9.c.1 Increase access to mobile networks	Target met or almost met	Substantial progress/on track	None
10	10.4.2 Reduce inequality within countries	Fair progress but acceleration needed	Fair progress but acceleration needed	N/A
11	11.1.1 Ensure safe and affordable housing	Fair progress but acceleration needed	Fair progress but acceleration needed	Forward
12	12.2.2 Reduce domestic material consumption	Fair progress but acceleration needed	Limited or no progress	N/A
	12.c.1 Remove fossil fuel subsidies	Fair progress but acceleration needed	Deterioration	Backward
13	13.2.2 Reduce global greenhouse gas emissions	Fair progress but acceleration needed	Deterioration	None
14	14.4.1 Ensure sustainable fish stocks	Fair progress but acceleration needed	Deterioration	N/A
	14.5.1 Conserve marine key biodiversity areas	Fair progress but acceleration needed	Limited or no progress	N/A
15	15.1.2 Conserve terrestrial key biodiversity areas	Fair progress but acceleration needed	Limited or no progress	None
	15.4.1 Conserve mountain key biodiversity areas	Fair progress but acceleration needed	Limited or no progress	N/A
	15.5.1 Prevent extinction of species	Fair progress but acceleration needed	Deterioration	None
16	16.1.1 Reduce homicide rates	Fair progress but acceleration needed	Limited or no progress	Backward
	16.3.2 Reduce unsentenced detainees	Fair progress but acceleration needed	Deterioration	None
	16.a.1 Increase national human rights institutions	Fair progress but acceleration needed	Fair progress but acceleration needed	None
17	17.2.1 Implement all development assistance commitments	Fair progress but acceleration needed	Fair progress but acceleration needed	Forward
	17.8.1 Increase internet use	Target met or almost met	Substantial progress/on track	None
	17.18.3 Enhance statistical capacity	Fair progress but acceleration needed	Limited or no progress	None





# DRY NUMBERS 2022

**4.5 billion**

depend on food systems  
for their jobs and livelihoods

**736 million**

live in extreme poverty, out of which

**80%**

extreme poor live in rural areas

**37 million children (<5 yo)**

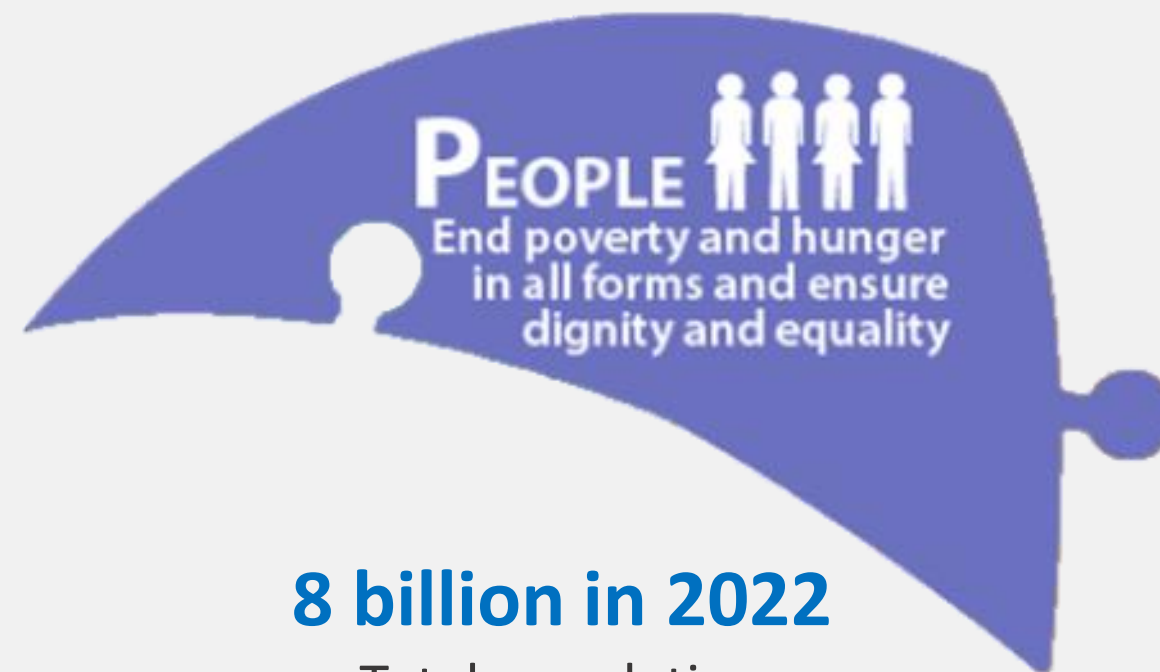
suffering from wasting

**8 billion in 2022**

Total population

**9 billion in 2030**

Projected total population



**783 million**

affected by hunger

**2.4 billion or 29.3%**

moderately or severely food  
insecure

**3.1 billion**

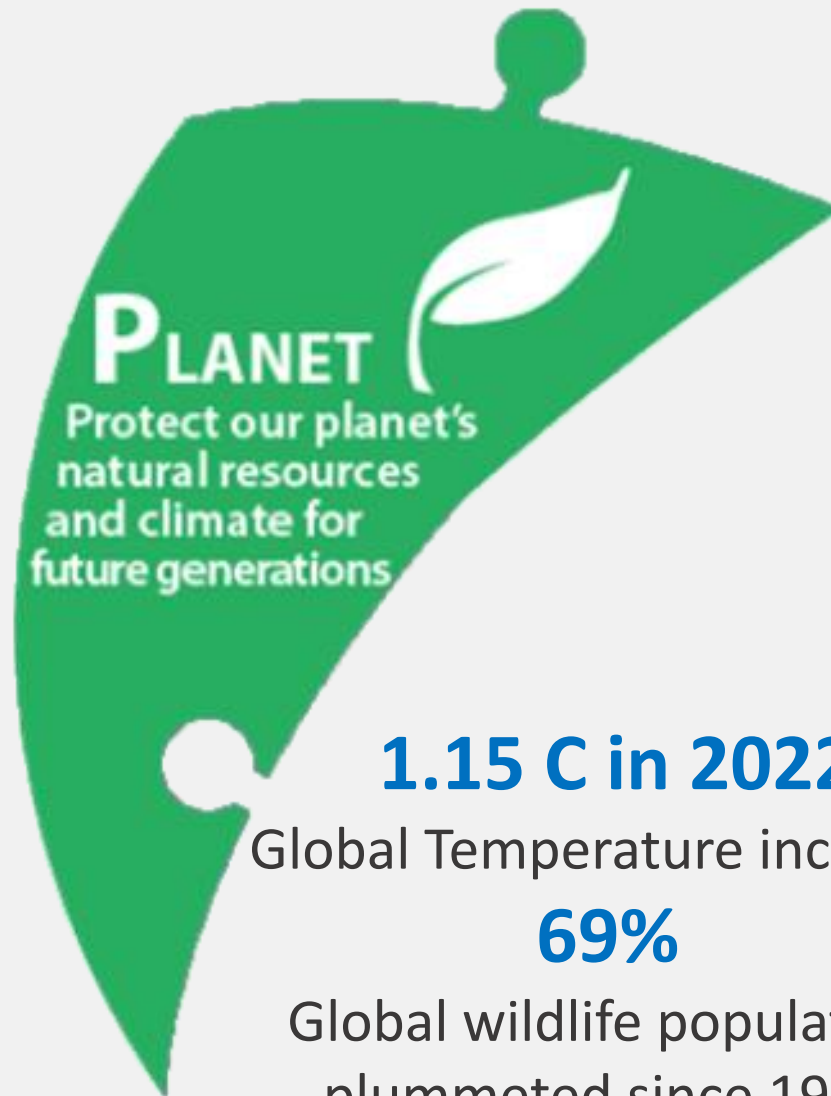
could not afford a healthy diet

**148 million children (<5 yo)**

had stunted growth



# DRY NUMBERS 2022



**33%**

Greenhouse gas  
emissions  
(16 Billion Gtonnes)

**30%**

Energy consumption

**70%**

Freshwater intake

**80%**

Biodiversity loss

**90%**

Global deforestation

# DRY NUMBERS 2022

**\$12 Trillion**

Environmental, Social  
and economic costs

**30%**

Food Waste and Loss

**87% (\$470 Billion)**

Environmentally or  
social harmful subsidies

**30%**

Pesticide increase  
since 2000

**\$10 Trillion**

Value Food Industry

**866 Million**

Global workforce in  
Agriculture

**\$540 Billion/year**

Agricultural Subsidies







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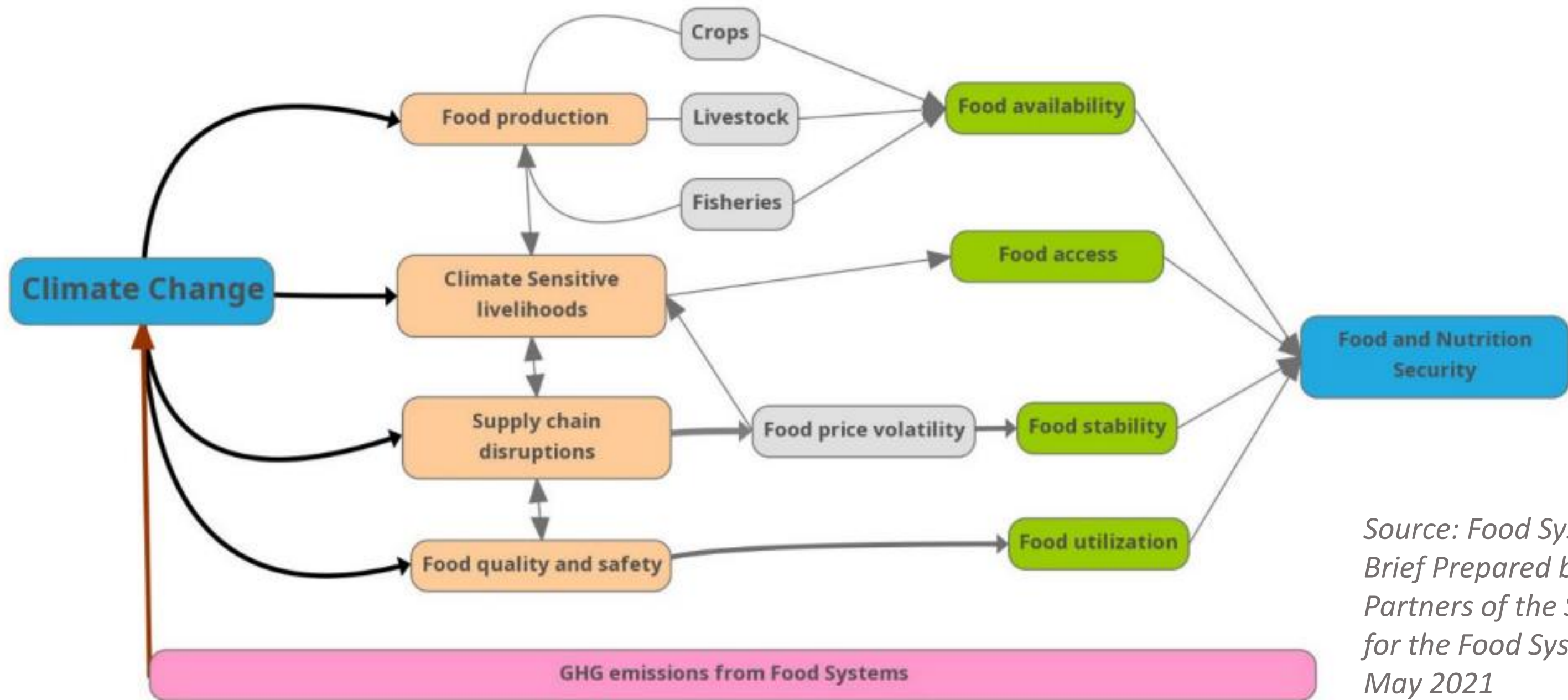


# Food systems contribute to and are affected by, climate change, land degradation and biodiversity loss

Source: FAO Media Library



# LINKAGES BETWEEN CLIMATE CHANGE AND FOOD SYSTEMS



*Source: Food Systems Summit  
 Brief Prepared by Research  
 Partners of the Scientific Group  
 for the Food Systems Summit,  
 May 2021*

# OECD-FAO AGRICULTURAL OUTLOOK 2022-2031

**Ambitious  
Targets for  
Zero Hunger  
and GHG  
reduction  
OR  
Existential  
Trade-offs?**



**Target 1 : Zero Hunger**  
*measured as PoU < 2.5%*

+10% in average calorie/person/day in  
lower middle-income countries

+30% in average calorie/person/day in  
low-income countries

**Target 2 : Emission reduction**

-6% in direct GHG emissions from  
agriculture

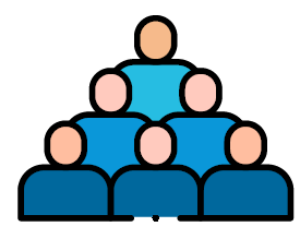
**Required productivity growth**

+ 24% in global crop yield  
+ 31% in global animal productivity



# Italy 2023 UN FOOD SYSTEMS SUMMIT + 2 STOCKTAKING MOMENT

3300+ ATTENDEES



1938 DELEGATES



from 182 MEMBER STATES

21 HEADS OF STATE AND GOVERNMENT

- Head of States
- Prime-Ministers
- Vice-Presidents
- Vice Prime-Ministers

126 MINISTER-LEVEL PARTICIPANTS

- Ministers
- Vice-Ministers



Italy 2023  
UN FOOD SYSTEMS SUMMIT + 2  
STOCKTAKING MOMENT

## UNFSS+2

UN Secretary-General Call to Action







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# SDG SUMMIT 2023

*We are people and planet*

*We are people and planet*

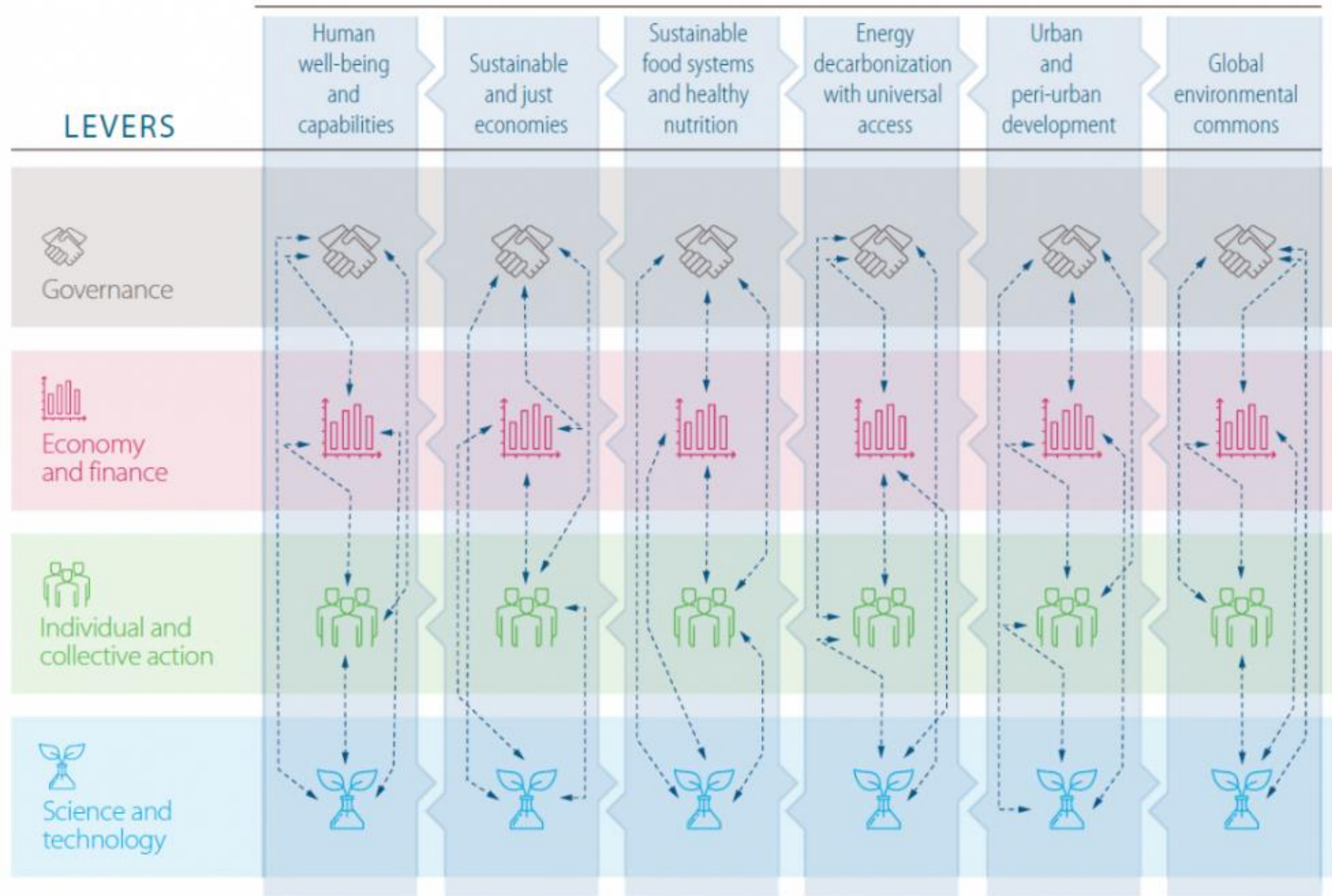
**HLPF under the auspices of the General Assembly**

**September 2023**

**New York**

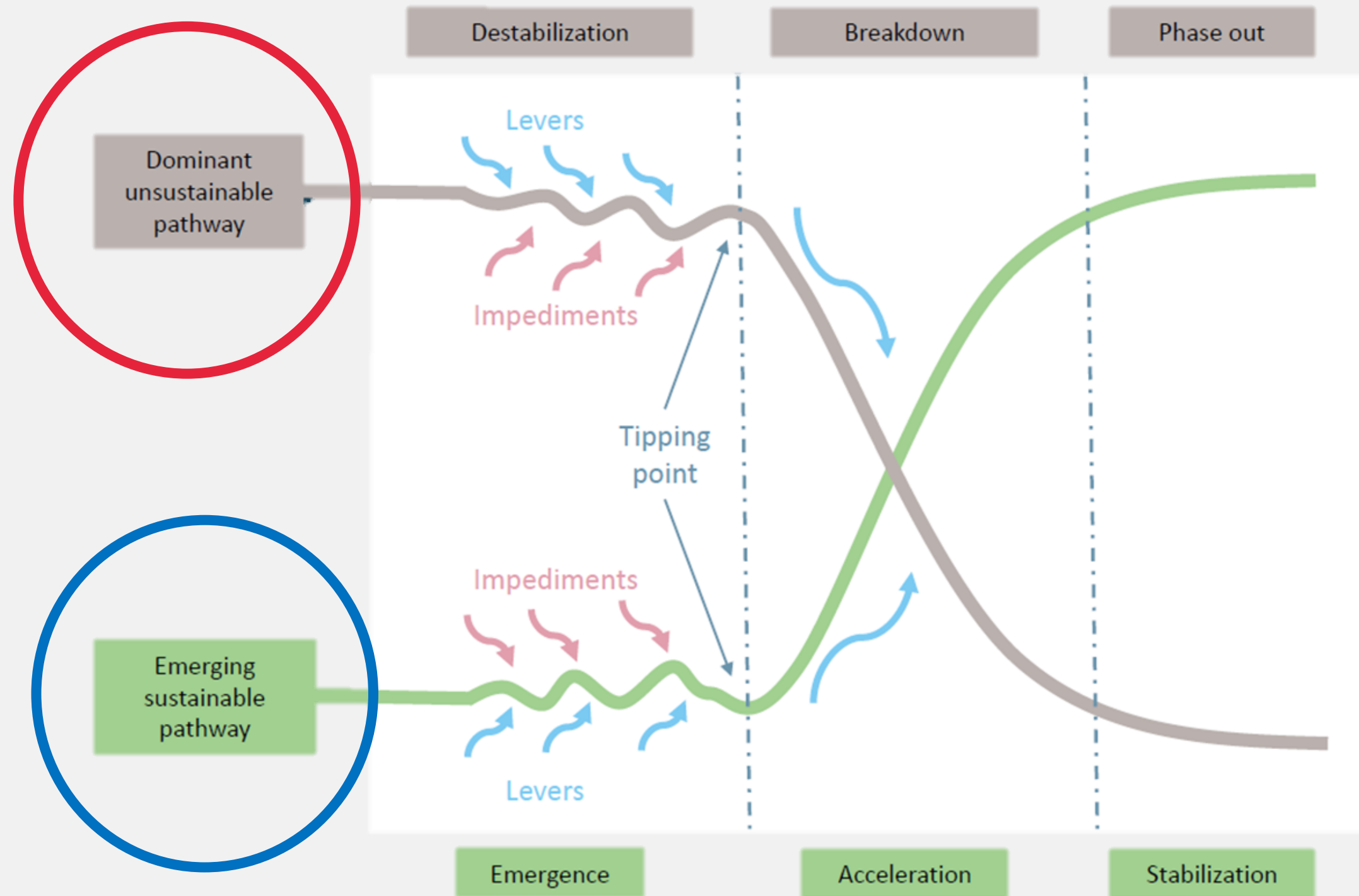


# ENTRY POINTS FOR TRANSFORMATION



**BUILDING  
ON GSDR  
2019 AND  
GOING  
FURTHER**

# PHASES OF TRANSFORMATION



Source: GSDR, 2023





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“

**In a world of plenty, it is outrageous that people continue to suffer and die from hunger.**

”



**António Guterres**  
United Nations Secretary-General, 24 July 2023



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# THANK YOU

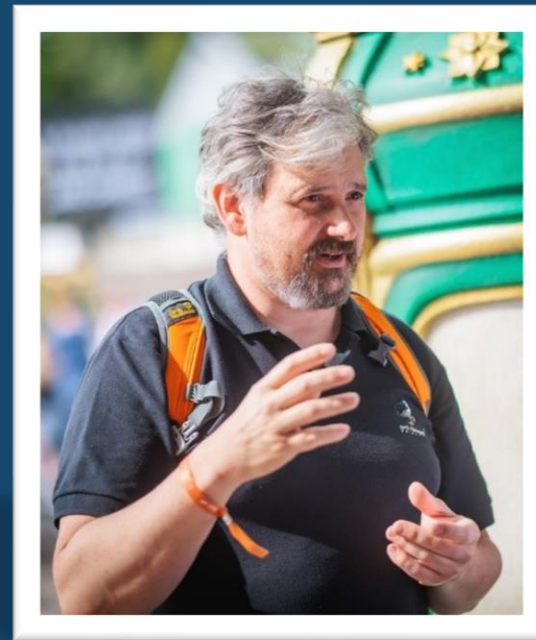


# Panel Discussion



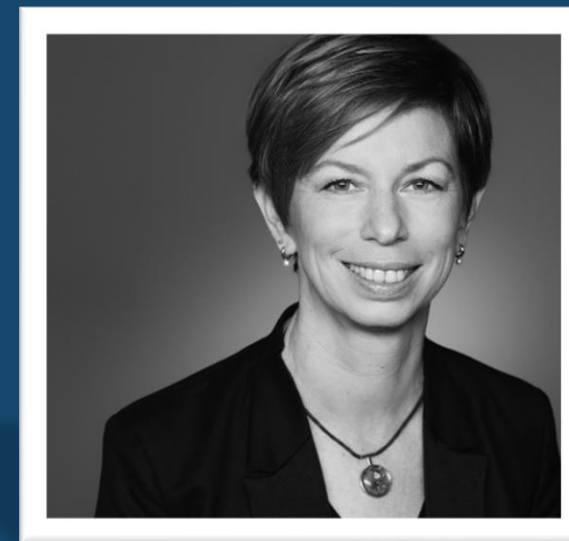
**Mery Ciacci**

Green Diplomacy &  
Multilateralism  
DG ENV.F  
European Commission



**Prof. Peter Goethals**

Department of Animal Sciences and  
Aquatic Ecology  
Faculty of Bioscience Engineering  
Ghent University



**Antje Gerstein**

Member of the European  
Economic and Social  
Committee (EESC) and Co-  
rapporteur for the EESC  
opinion on the Agenda  
2030



**Anneleen Malesevic**

Policy Officer, Belgian Federal  
Institute for Sustainable  
Development (FIDO)





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# Thank YOU for attending!