

Structure of the presentation

Framing

Examples of co-benefits in various sectors

Progress on mainstreaming co-benefits

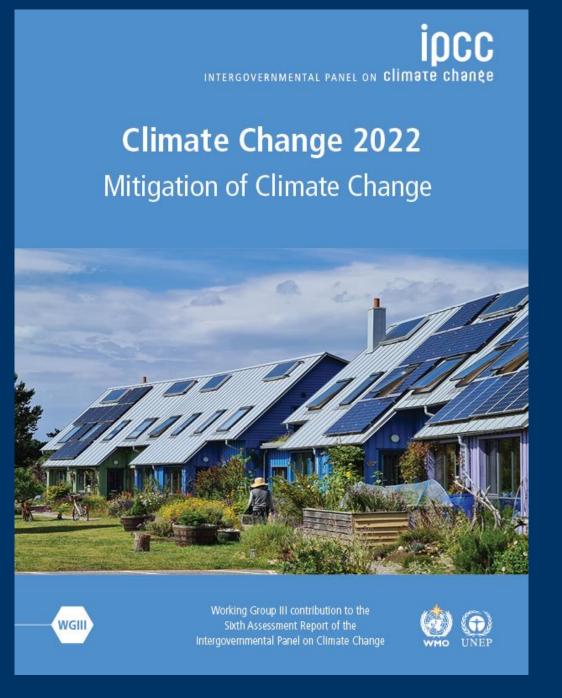
Policies and enabling conditions

Sixth Assessment Report WORKING GROUP III - MITIGATION OF CLIMATE CHANGE



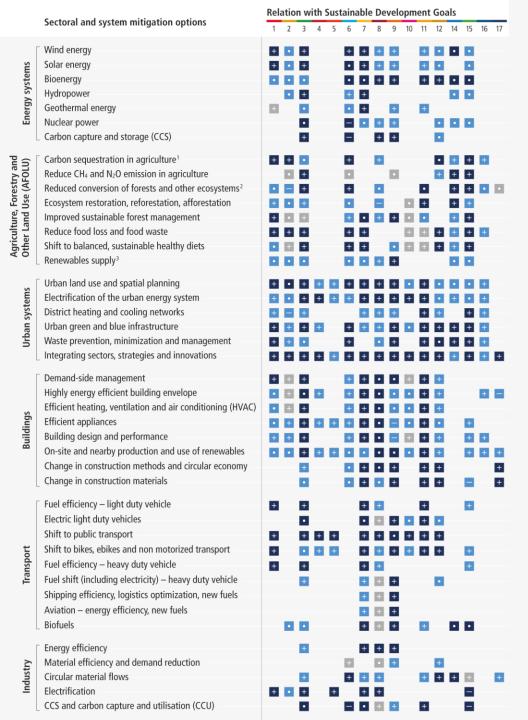
Co-benefit: A positive effect that a policy or measure aimed at one objective has on another objective, thereby increasing the total benefit to society or the environment.

(IPCC AR6 Glossary)



Framing Co-benefits

- Mitigation actions that have social and environmental co-benefits
- Actions that reduce climate risk and support adaptation have strong co-benefits with development goals (e.g. Social safety nets, flood-risk measures)
- Synergies that come from coupling adaptation and mitigation (e.g urban green and blue infrastructure)
- Synergies between climate actions and SDGs (e.g. clean energy access, water use efficiency)
- Potential trade-offs between climate actions and SDGs (e.g. land-based mitigation measures)
- Alternate framing: development as an entry point

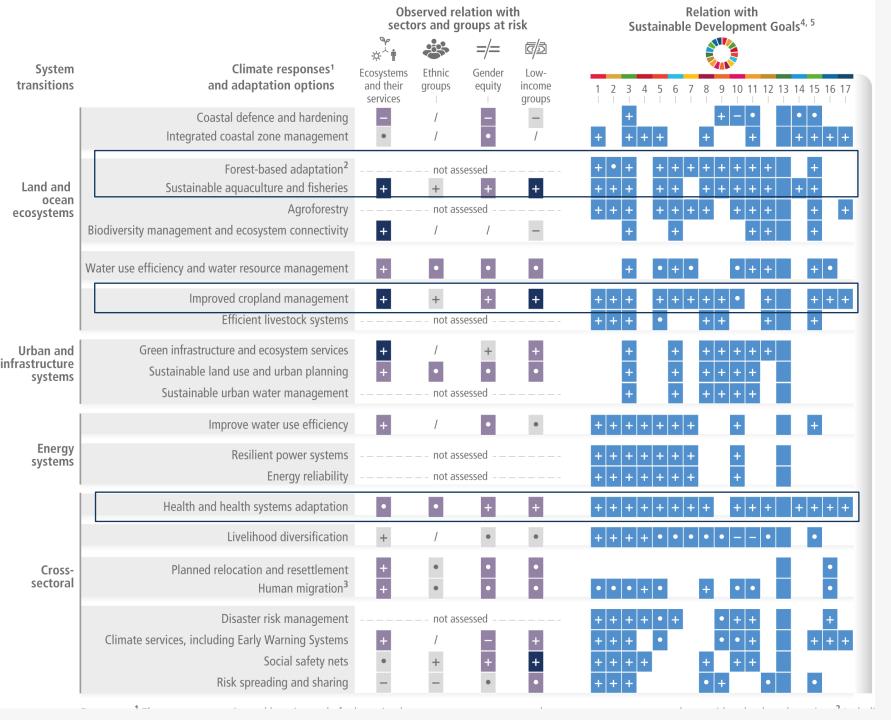


Mitigation options and their synergies and trade-offs with SDGs

- Synergies and trade-offs depend on
 - the development context,
 - scale of deployment
 - timing and management of the action

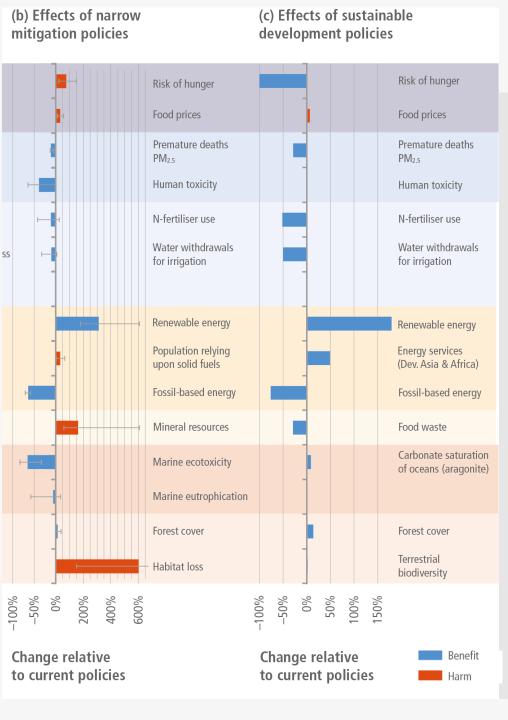
Examples: Mitigation options in urban areas

	Relation with Sustainable Development Goals															
	1	2	3	4	5	6	7	8	9	10	11	12	14	15	16	17
Urban land use and spatial planning	+	•	+	+	+	+	+	+	+	•	+	•	٠	٠	+	
Electrification of the urban energy system	+	•	+	+	+	+	+	+	+	+	+	•	+	•	+	
District heating and cooling networks	+	-	+				+	+	+		+	+		+	+	
Urban green and blue infrastructure	+	+	+	+		+	+	+	+	•	+	+	+	+	+	
Waste prevention, minimization and management	+	+	•			+		•	+		+	•	+	+	+	
Integrating sectors, strategies and innovations	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+



Relationship of climate responses and adaptation options with SDGs

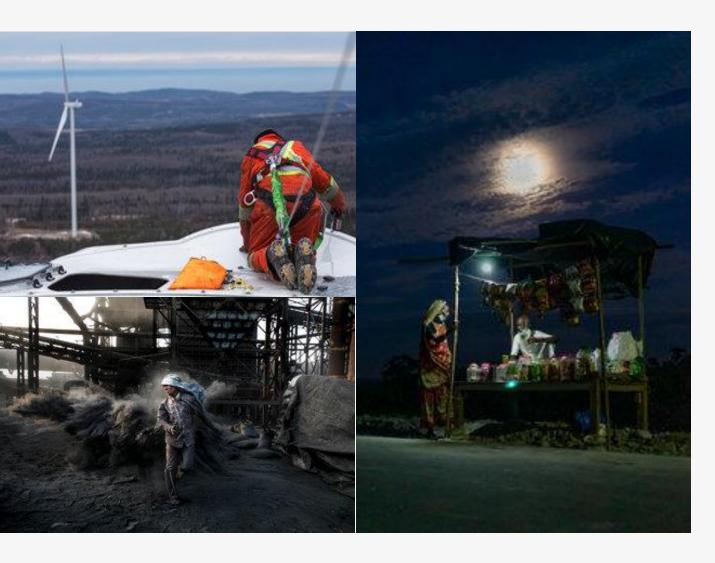
- Protecting and restoring nature, avoiding deforestation, agroforestry, and diversified farming
- Shift to sustainable healthy diets
- Strengthening the health system
- Water conservation and rainwater harvesting
- Social protection



Sustainable development effects of mitigation to 1.5°C

- Macroeconomic implications of mitigation co-benefits and trade-offs are not quantified comprehensively across many global scenarios
- Policies integrating sustainability and mitigation (right) have far fewer trade-offs than narrow mitigation policies
- Improved air quality, and associated health effects are extensively studied followed by health impacts from dietary change and biodiversity
- Regarding health, co-benefits are shown to be of the same order of magnitude as mitigation costs

Progress and mainstreaming



Identifying and advancing synergies and cobenefits has occurred slowly and unevenly

Many plans have a narrow focus, missing opportunities to advance co-benefits

There is evidence that development strategies and pathways can be designed to align towards multiple priorities and achieve greater synergistic benefits (e.g. NDCs)

The awareness of co-benefits for the public increases support of climate policies



Maximising co-benefits involves



...Integrated approach to policy making

Qualitative and quantitative methods; aligned actions- integration across sectors, benefits and trade-offs, attention to justice and equity



... attention to integrated and economy-wide approaches

agricultural and food policies, packages for sustainable urbanisation, green industrial transition



...targeted SDG policies, incentives and investments

around stringent air quality; efficient demand-side technologies, investments in innovation



...Putting in place enabling conditions

governance, cooperation between countries and regions, strengthening institutions to reduce silos, and finance



Thankyou.

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