



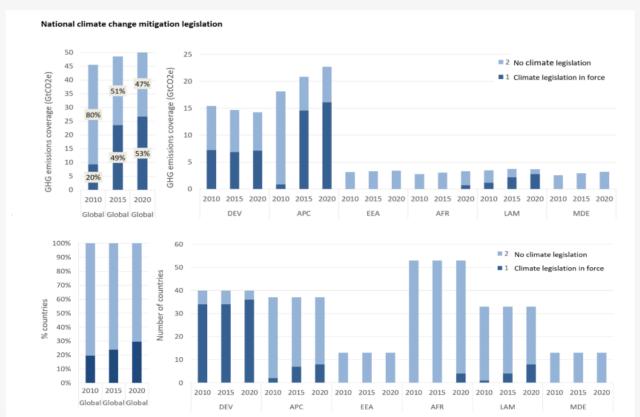
IPCC AR6 on climate mitigation: Towards a metamorphosis of climate mitigation policies and scenarios?







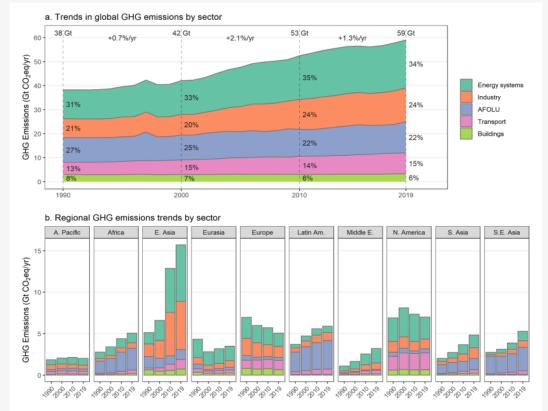
The share of GHG emissions under climate legislation more than doubled in the last decade







However, GHG emissions increased across all sectors and regions







Because the focus of climate policies is mainly on the decarbonisation of supply

Sector	Contribution of direct emissions per sector to global GHG emissions in 2019				Sector	Contribution of direct and indirect emissions per sector to global GHG emissions in 2019
Electricity and heat	23%		Electricity and heat	0%		
Other energy	10%				Other energy	12%
Industry	24%	Energy —			Industry	34%
Transport	15%				Transport	15%
Buildings	5.6%				Buildings	16%
Agriculture, forest and land use	22%				Agriculture, forest and land use	22%





Demand and services



Energy



Land use



Industry



Urban



Buildings



Transport

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Defining sufficiency in the IPCC SPM is an important first step, but more is needed to make the concept mainstream

"Sufficiency policies are a set of measures and daily practices that <u>avoid demand for energy, materials</u>, <u>land and water</u> while <u>delivering human wellbeing for all within planetary boundaries</u>."

IPCC WGIII SPM





The word "sufficiency" occurs 179 times in IPCC AR6 on climate mitigation

Chapters with sufficiency occurrence	# of occurrence	Chapters with ZERO occurrence			
Summary for Policy Makers	3 times in the building section	Chap 1: Introduction and framing Chap 2: Emissions trends and drivers Chap 4: Mitigation and development pathways in the near- to mid-term			
Technical summary	12 times in the building section				
Chap 3: Mitigation pathways compatible with long-term goals	2 times and 1 reference	Chap 6: Energy systems Chap 7: Agriculture, Forestry, and Other Land Uses (AFOLU) Chap 8: Urban systems and other settlements Chap 13: National and sub-national policies and institutions			
Chap 5: Demand, services and social aspects of mitigation	6 times and 10 references				
Chap 9: Buildings	120 times and 14 references	Chap 14: International cooperation Chap 16: Innovation, technology development and			
Chap 11: Industry	3 times and 1 reference	transfer Chap 17: Accelerating the transition in the context of sustainable development			
Chap 12: Cross-sectoral perspectives	6 times in the building section				
Chap 15: Investment and finance	1 reference				

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Sufficiency is overlooked in scenarios submitted to IPCC AR6 database

Paris compatible scenarios

	Description	Subset	# of scenarios			
	C1: Below 1.5 °C with no or limited overshoot	<1.5°C peak warming with >=33% chance, and <1.5°C end of century warming with >50% chance	97			
	C2: Below 1.5°C with high overshoot	<1.5°C peak warming with >=33% chance, and <1.5°C end of century warming with >50% chance	133			
	C3: Likely below 2°C	<2°C peak warming with >67% chance	311			
	C4: Below 2°C	<2°C peak warming with >50% chance	159			
	C5: Below 2.5°C	<2.5°C peak warming with >67% chance	212			
	C6: Below 3°C	<3°C peak warming with >50% chance	97			
	C7: Below 4°C	<4°C peak warming with >50% chance	164			
	C8: Above 4°C	>4°C peak warming with >=50% chance	29			

An intellectual revolution is needed to ensure sufficiency is considered in climate scenarios

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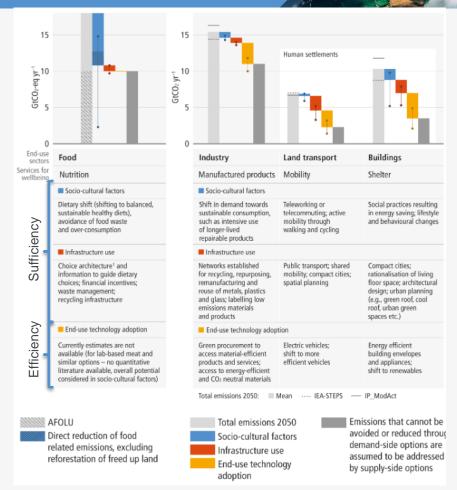
INTERGOVERNMENTAL PANEL ON Climate chance







	Suffic	Efficiency	
Average mitigation potentials	Socio-cultural factors	Infrastructure use	Technological improvement
Food	40%	7%	NA
Industry	5%	5%	21%
Land transport	5%	30%	50%
Buildings	15%	20%	50%

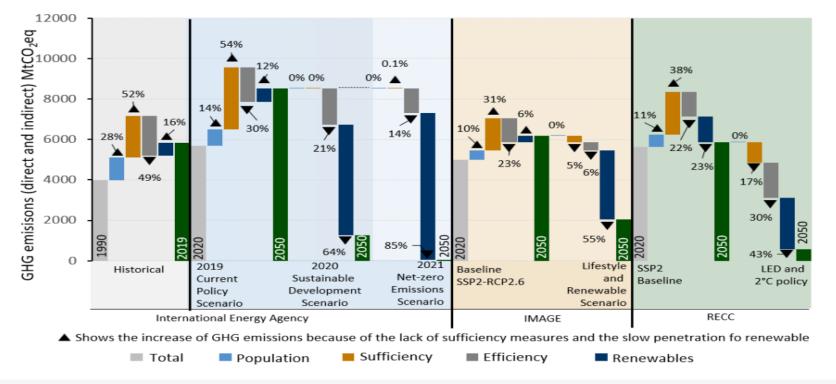


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Otherwise, efficiency improvement will continue to be offset by the lack of sufficiency measures







Thank You

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