Regional Climate Week

Latin America and the Caribbean

Panama City, Panama – 23-27 October 2023











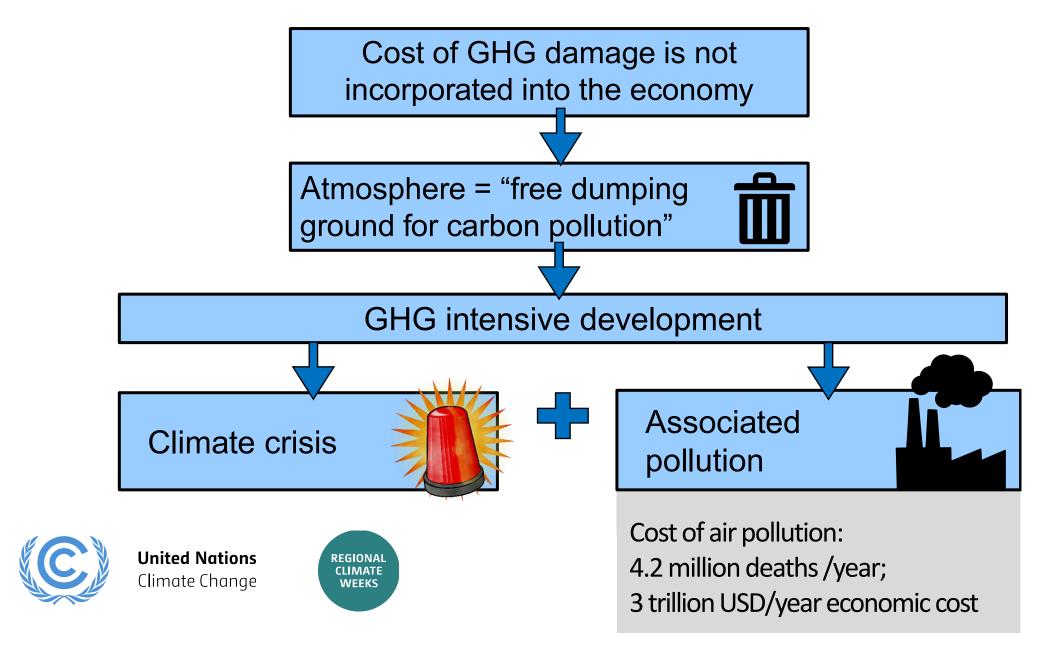
What is carbon pricing?







Initial situation: World without Carbon Pricing:



Carbon Pricing - Opportunities

- Putting a price on carbon reduces emissions and the costs associated with these emissions, costs that end up being borne by everyone, including companies and societies, through an array of impacts resulting from climate change.
- Carbon pricing has long been recognized as a cost-effective means to reduce greenhouse gas (GHG) emissions.
- Proposed national actions to mitigate climate change, embodied by Nationally Determined
 Contributions (NDCs), are widely understood to be collectively insufficient to achieve the ambitious
 goals of the Paris Agreement.
 - ➤ Carbon pricing has proven to be one of the most effective tools to unlock potential from the private sector, companies, as well as investors. It is therefore an important part of the toolkit available to policy makers,

both to achieve current NDCs at least cost and to encourage greater ambition in future.





Price signal on carbon emissions

Carbon Price:

What is it?

Price signal on greenhouse gases (GHG) emissions: X\$ per tCO₂e

Why put it in place?

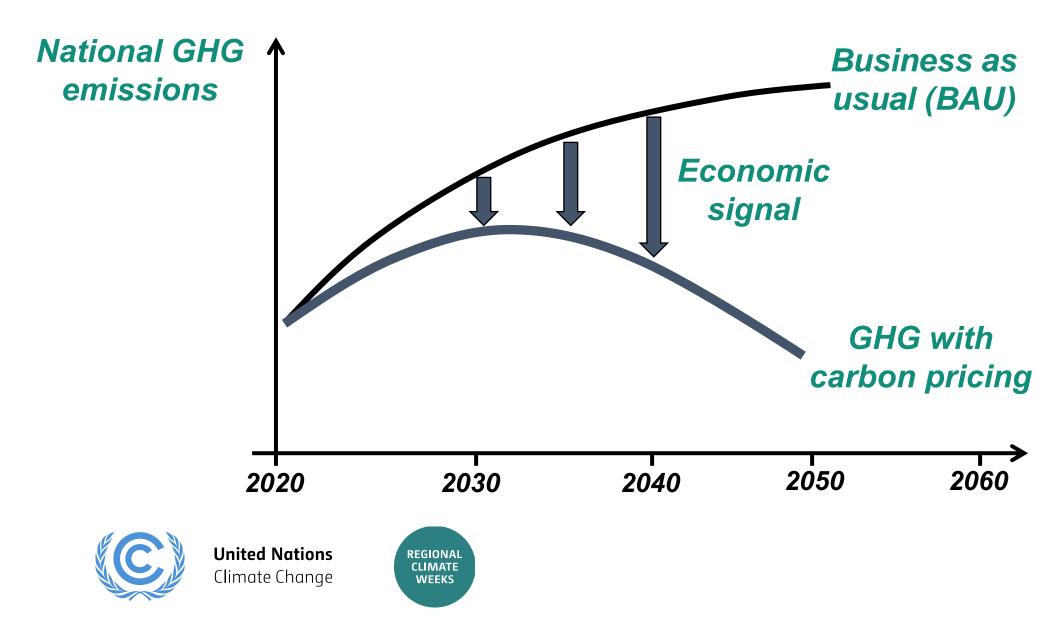
- To take into account [all of] [part of] the cost of carbon pollution (social cost of carbon) in decisions (planning, investments, operations, etc.).
- Recognized by most economists as the simplest, most straightforward and most cost-effective way to address GHG emissions

"Putting a price on carbon is the only effective way to curb emissions to combat climate change"





Price signal on carbon emissions















A few considerations:

- Governments require tax income to be able to operate
- Carbon pricing is not about increasing taxes.
- Carbon pricing is about taxing the "bads" (pollution) instead of taxing the "goods"



(e.g., tobacco products)

Response to signal

- ↑Reduces the associated health costs
- ↑Reduces associated import costs

No response to signal

↑Creates revenues





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E.g..: payroll tax

- ◆ Discourages the creation of added value
- ◆ Encourages undeclared work / informal sector





Planning Investment **Operation** Consumption

Through the whole economic decision chain

ONSUMPTION Paronagoa and agriving

→ fosters a move towards low carbon technologies & practices











Quiz time

What does empirical evidence show about countries which have implemented carbon pricing and those which did not?



Overall not much difference!



Emissions in countries without carbon pricing: ~ +3%/year









Quiz time

Putting in place carbon pricing will increase my taxation level?



Yes absolutely



It depends as I could at the same time cut other taxes







Carbon pricing and the NDC achievement





Relation to the Paris Agreement

Potential roles for carbon pricing

- For achieving successive NDCs
 - (adjustable policy which can be revised over time)
- For LT-LEDS (long-term economic signal)
- Also, potentially for cooperative mitigation action under Art. 6
- Carbon pricing can play an important role in realizing the ambitions of the Paris Agreement and implement the Nationally Determined Contributions (NDCs).
- Para. 136 of the first COP 21 Decision (1/CP.21 Adoption of the Paris Agreement): recognizes the important role of providing incentives for emission reduction activities, including tools such as domestic policies and carbon pricing.
- Two-thirds of all submitted Nationally Determined Contributions (NDCs) under the Paris
 Agreement consider the use of carbon pricing and carbon markets to achieve their emission
 reduction targets





Co-benefits of carbon pricing





Why Carbon Pricing?

Tool for NDC Implementation

Jurisdictions use carbon pricing as cost effective way to implement their NDCs.

Co-Benefits

Carbon pricing delivers substantial benefits in terms of sustainable development

Achieve Policy Objectives

Achieve economic objectives such as poverty alleviation, raising revenues for investments, etc.





Co-benefits of carbon pricing

Carbon price

- Reduce emissions.
- Encourage action by peers.

Associated benefits

- Environmental and health benefits.
- Economic diversification / job creation
 - Penetration of new technologies
 - Attracting investments
- Raises revenue for other purposes
 - Investments / cutting inefficient taxes
- Increased energy security.
- Reduce the cost of fossil fuel subsidies.
- Reduced exposure to carbon border measures.





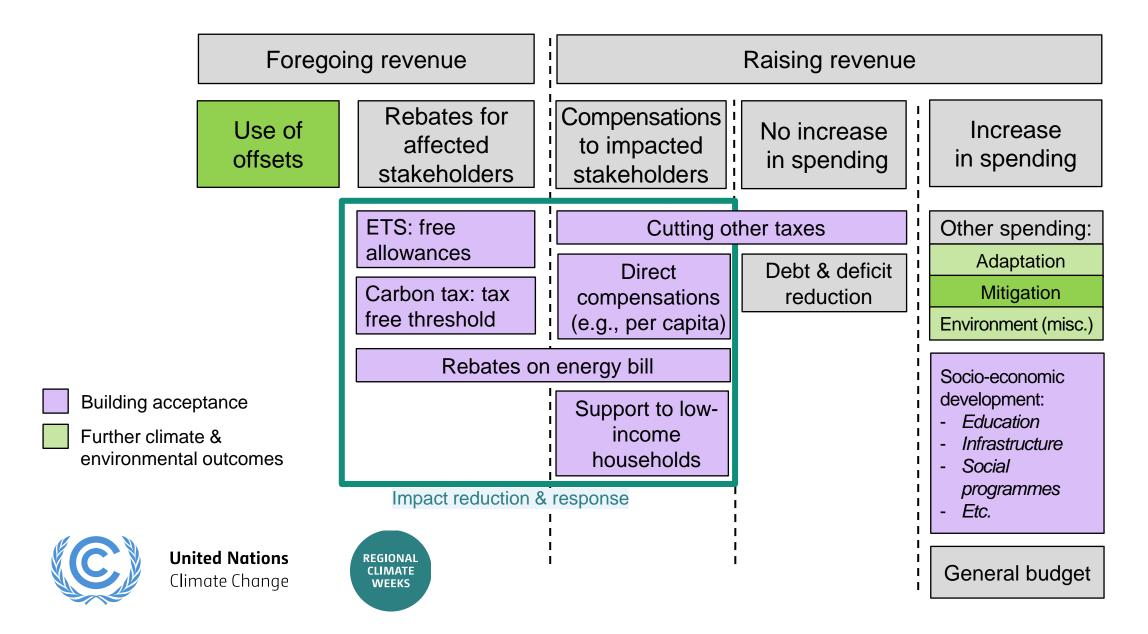
Achieving national priorities

Objective / priority	Solution
Trigger investments	Revenues from carbon pricing to give loan guarantees for investors (e.g., in sustainable energy projects)
Limit trade exposure from pricing carbon	Provide large discounts and compensations to entities covered (e.g., free allowances under ETS)
Reduce poverty	Focus reinvestments on job creation
Increase energy access	Reuse income to fund/support sustainable decentralized energy access
Increase income equality	Redistribute the proceeds on a per capita basis
Improve business climate/competitiveness	Use revenues to cut taxes which hinder wealth creation (income tax / capital gain tax)
Ensure adaptation	Investments in adaptation measures
Increase energy independence	Reinvest in measures which reduce energy imports

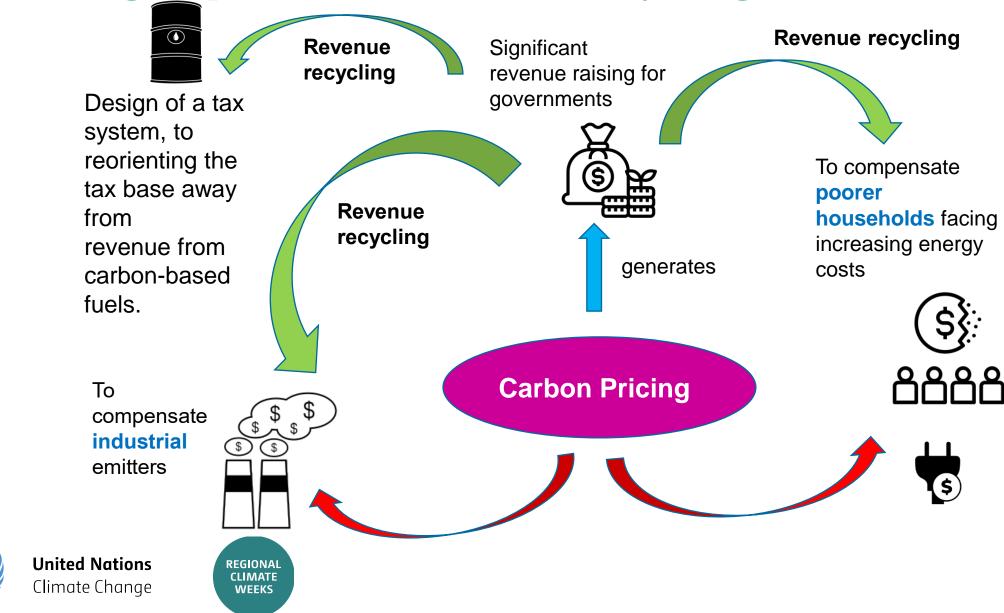




Carbon revenues



Carbon Pricing Impacts and Revenue Recycling



Benefits of Carbon Pricing

Help

• Facilitate emission pathways compatible with keeping global temperature rise to well below 2°C above pre-industrial levels and pursuing efforts to hold the increase to 1.5°C as per Paris Agreement.

Spur

- Investment and innovation in clean technology by increasing the relative cost of using carbon-intensive technology.
- Business and individuals seeking cost-effective ways to lower their GHG emission will be encouraged into green financing and clean tech.

Promote

• The achievement of SDGs by channeling financing to SD projects.

Generate

- Revenue which can be recycled into green economy through government spending for R&D.
- Revenue to help vulnerable communities adapt to the effects of climate change.

Create

Environmental, health, economic, and social co-benefits.





Carbon Pricing Co-Benefits against UN's SDGs









Visible Direct Benefits

Associated Benefits



4 QUALITY EDUCATION



with Investments in....



PARTNERSHIPS FOR THE GOALS























Actual Co-Benefits derived from Carbon Revenues

	Programs	Examples
Action	Energy Efficiency Programs	 Home retrofitting, less CO2 over lifetime of installations, generated jobs Bulgaria finances energy savings of public buildings California created 60,000 energy efficiency projects for households and to coordinate energy efficiency with water efficiency
	Sectoral transformation	 Promotion of low/zero emission vehicles in road, transit, rail, maritime Expand and improve public transport Sustainable transport with electric vehicle incentives, sustainable mobility, consumer rebates for vehicles
R&D /Innovation		 Re-invested to advancing low-carbon technologies or building resilience EU commercial scale demonstration of carbon capture and sequestration Innovative mitigation technology, intelligent logistics in Quebec Advanced mitigation technology for heavy duty vehicles, freight equipment Healthy soils and manure management in agriculture, farm-waste-to-fuel
Compensating Households or businesses		 Direct bill assistance to lower income households Re-invest in disadvantaged and low-income communities Returned to consumers and businesses in the form of a dividend Use revenues to reduce existing taxes on labor and capital (tax swap) to minimize economic costs, and result in net economic benefits Wealth transfer to even out regional disparities Support electro-intensive industries through transition phase





THANK YOU FOR ATTENDING







