



Panel Discussion: The Synergy of Innovative Technologies and Carbon Market Developments in Achieving Net Zero Carbon in GCC Region

19 January 2021

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Technologies/ Measures for Low Carbon Trajectory of GCC

Oil & Gas

- Zero flaring
- Carbon Capture & Storage
- NG pipeline leakage reduction
- Associated gas recovery, waste gas recovery
- Energy efficiency in refinery
- Biogenic methane injection
- Tail gas recovery

Power & Water (Supply side)

- Renewable energy (Solar PV, Off-shore/on-shore wind)
- Energy Efficiency in power plants
- Energy Efficiency in Desalination Plants
- Transmission efficiency

Buildings

- Energy efficient greenfield buildings
- Energy Efficiency in existing building
- Renewable energy projects in buildings
- District heating/cooling systems

Cement

- Cement blending
- Ready mix blending
- Energy efficiency and waste heat recovery
- Alternative fuels (including wastes)

Fertilizers & Chemicals

- Naphtha to natural gas
- Energy Efficiency
- Waste heat recovery
- Cogeneration

Iron & Steel

- Blast Furnace gas recovery
- Other waste energy recovery
- Energy efficiency projects

Waste management

- Municipal solid waste treatment (or energy recovery)
- Industrial wastewater, treatment of produced water of oil wells and sewage water treatment
- Landfill gas flaring/recovery
- Waste (construction waste, plastic, metal etc.) recycling

Transport

- Mass rapid transport (Modal shift)
- Fuel switch in buses
- EE in cars, private and public transport

Municipal

- LED Street lighting
- Energy Efficient Municipal pumping
- Water saving fixtures/projects
- Replacement of potable water with TSE for greening of cities

Plantations

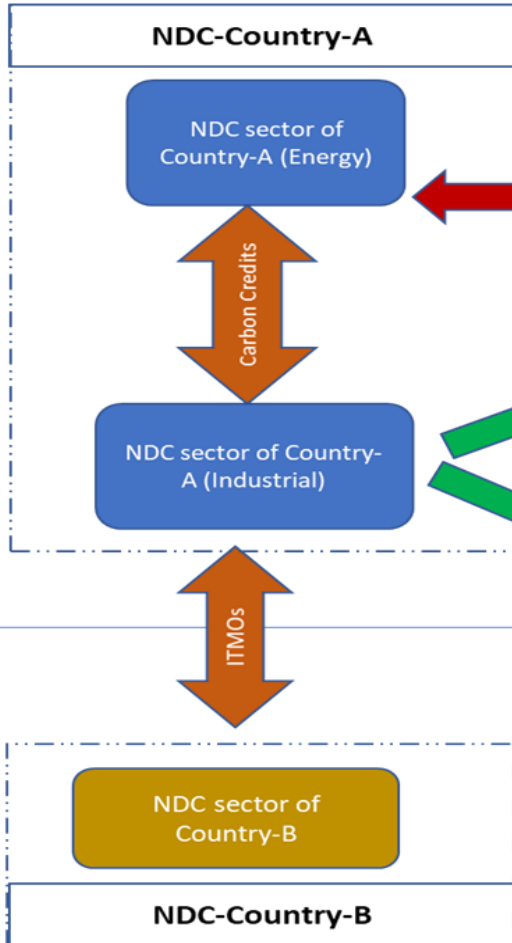
- City greening projects

Carbon revenues play vital role in penetration of technologies/ measures, especially in GCC where electricity prices are low.

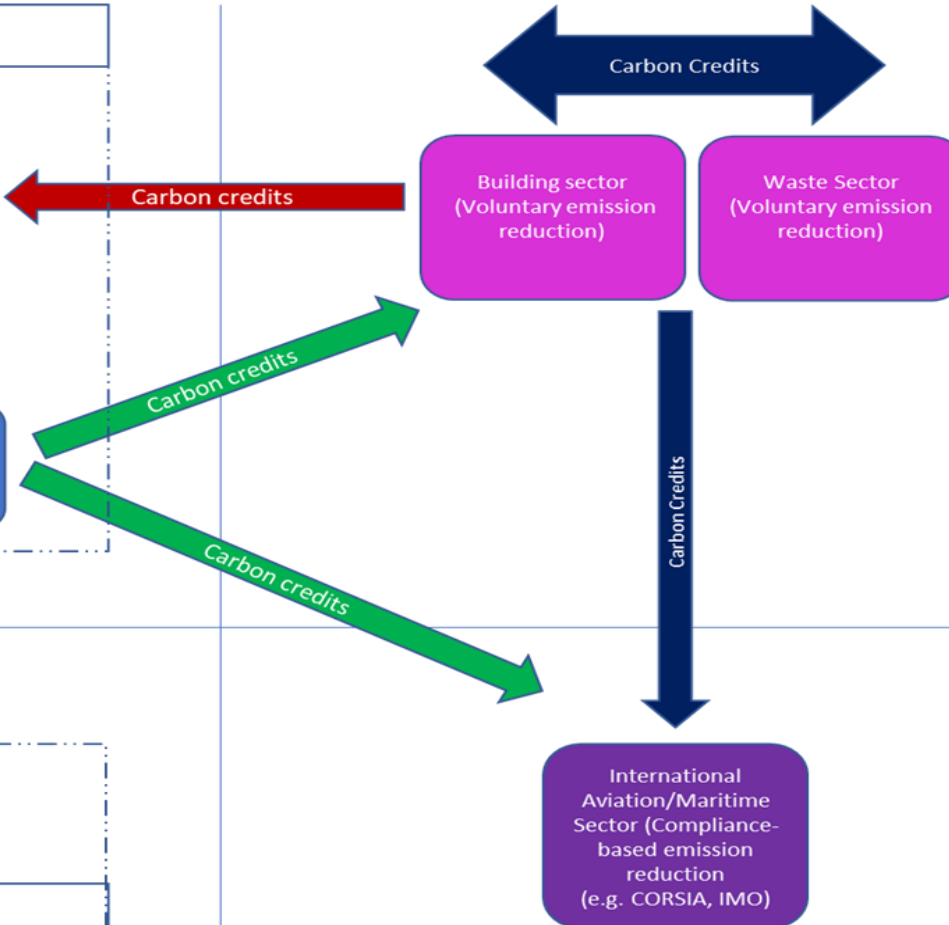


Carbon Markets for Raising Ambition of NDCs of GCC Countries

Inside NDC



Outside NDC

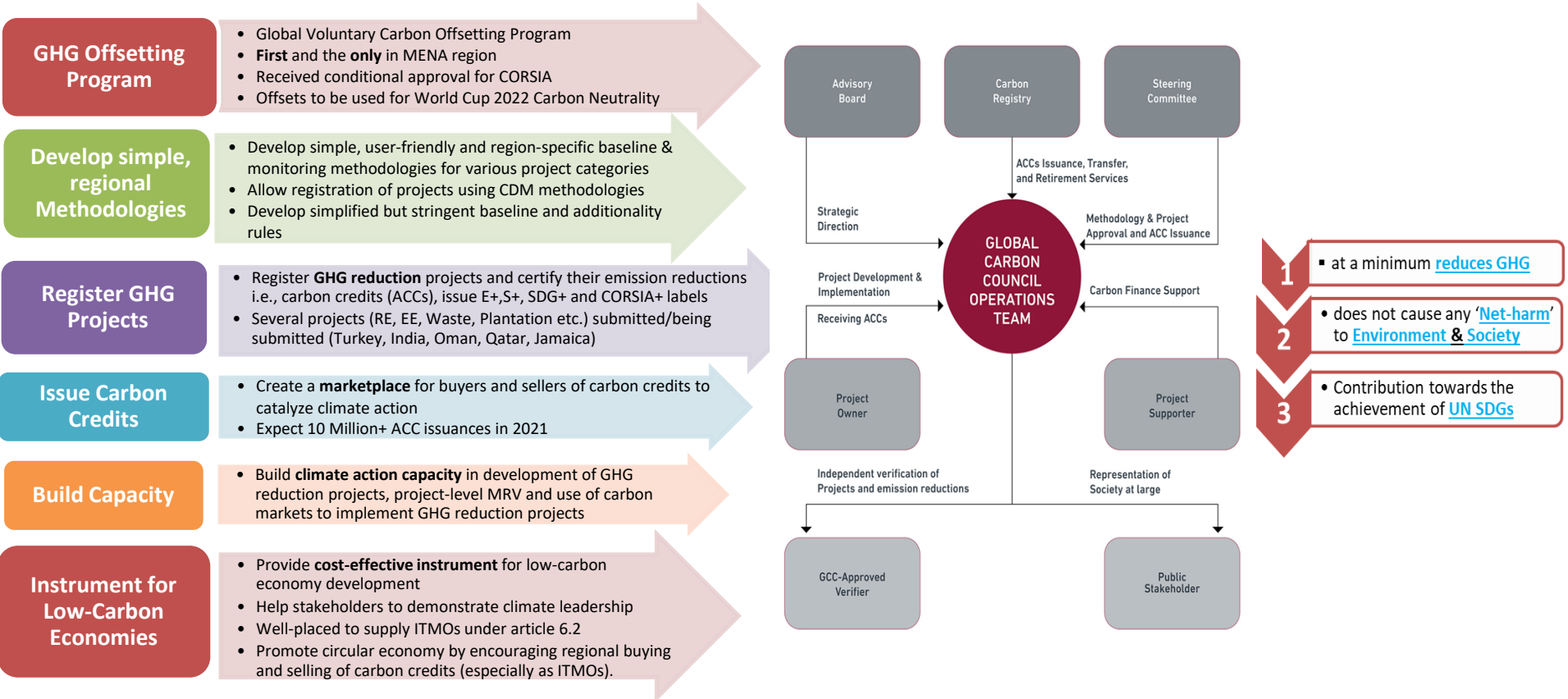


Corresponding Adjustment
Redefines the
Additionality and
Business-as-usual



Global Carbon Council

The overall purpose of GCC Program is to contribute to achieve Paris Agreement objectives and help raise ambition of NDCs by making voluntary carbon market instruments available for corporates and governments for low-carbon and sustainable development





Thank You

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