KINGDOM OF SAUDI ARABIA

G20 PRESIDENCY – 2020

ENERGY & CLIMATE



OVERALL THEME OF THE SAUDI G20 PRESIDENCY



Key Elements of the 2020 Agenda | Theme and Aims

The Saudi Presidency Theme is supported by three aim

Realizing the opportunities of the 21st Century for all

Empowering People

Create the conditions in which all people, especially women and youth can live, work and thrive: social and economic inclusion; decent, sustainable work



Safeguarding the Planet

Establish a new paradigm for global energy use and climate action: circular carbon economy solutions for research, policy and markets. Further, focus on food security and water management, reforestation and coral reef

Shaping New Frontiers

Utilize and share the benefits of innovation by: encouraging the utilization of technology in infrastructure, developing smart cities, driving digitalization across the economy and encouraging cooperation in space







Non-energy sectors contributed to approximately two-third of global emissions, which can be addressed through the Circular Carbon Economy approach at various level

THE <u>4 RS</u> OF THE <u>CIRCULAR CARBON ECONOMY</u> (CCE) APPROACH





Reduce the amount of carbon entering the system

- Renewables
- Energy efficiency
- Nuclear power



Convert carbon to another useful industrial feedstock

 Carbon Capture and Utilization (CCU) / Emissions to Value (E2V)



- Recycle carbon through natural processes, decomposition and combustion
- Bio-energy
- Hydrogen



Remove carbon from the system

- Carbon Capture and Storage (CCS)
- Direct Air Capture

MANAGING GHG EMISSIONS THROUGH THE CCE





THANK YOU