



**CARIBBEAN COMMUNITY
CLIMATE CHANGE CENTRE**

Building Resilience. Securing Our Future.

STRENGTHENING CARBON CAPTURE STORAGE AND REPORTING FRAMEWORKS AND MECHANISMS

Green Climate Fund Readiness and Preparatory Support

Presented by
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Senior Project Development Specialist
CCCCC



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The Caribbean Community Climate Change Centre

- The CCCCC coordinates the Caribbean region's response to climate change, working on effective solutions and projects on climate change adaptation and mitigation.
- The CCCCC plays a pivotal role in ensuring Member States have the support needed to address the challenges posed by climate change.



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The Caribbean Community Climate Change Centre



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Services and support offered include:

- ✓ Capacity Building, Training and Technical Assistance
- ✓ Climate Data and Information
- ✓ Knowledge Management, and Information Dissemination
- ✓ Resource Mobilisation
- ✓ Public Awareness and Education
- ✓ Monitoring and Evaluation



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CCCCC - Strategic Objectives



Strategic Objective 1:
Scale up actions to manage the effects of climate change



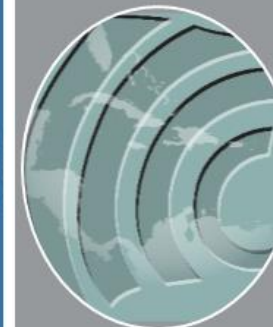
Strategic Objective 2:
Strengthen strategic partnerships for sustained climate results



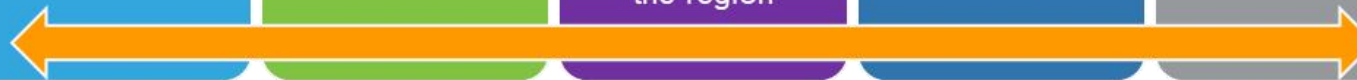
Strategic Objective 3:
Increase the uptake of climate change data and innovative tools for socio-economic development and for evidence-based decision-making across the region



Strategic Objective 4:
Increase the Caribbean public's ability to make informed decisions in responding to climate change and its impacts



Strategic Objective 5:
A strong and sustainable Caribbean Community Climate Change Centre delivering on its mandate and providing added-value to the region





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GENERAL OVERVIEW OF THE PROJECT

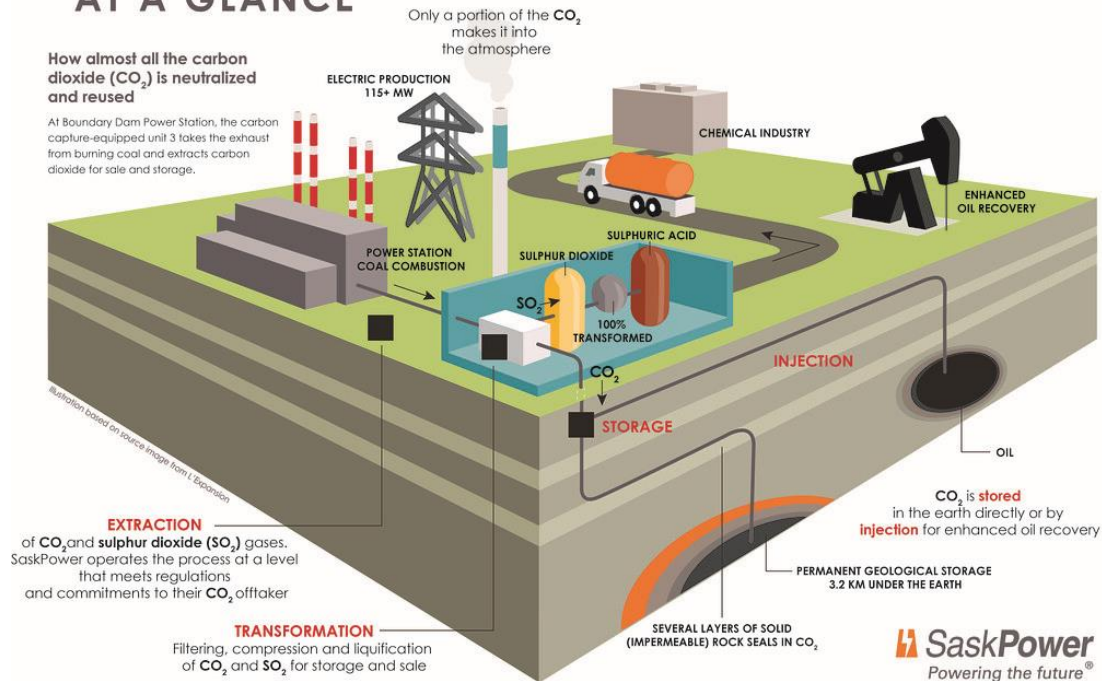
Carbon capture and storage AT A GLANCE

How almost all the carbon dioxide (CO₂) is neutralized and reused

At Boundary Dam Power Station, the carbon capture-equipped unit 3 takes the exhaust from burning coal and extracts carbon dioxide for sale and storage.

Only a portion of the CO₂ makes it into the atmosphere

*This graphic representation is not to scale. To show how far underground the CO₂ is stored, this would have to be three metres tall!



Project Goal: Strengthen Carbon Capture, Storage and Reporting Frameworks and Mechanisms in Suriname and Trinidad and Tobago.

Total Budget: US\$2,000,000.00

Delivery Partner: Caribbean Community Climate Change Centre

Duration: 36 Months (**Start:** March 31st 2024 - **End:** March 30th, 2027)

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Partnership



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UWI

ST. AUGUSTINE CAMPUS
TRINIDAD & TOBAGO, WEST INDIES



THE UNIVERSITY OF TRINIDAD AND TOBAGO



**GREEN
CLIMATE
FUND**



TEXAS Geosciences

Bureau of Economic Geology

Jackson School of Geosciences

The University of Texas at Austin



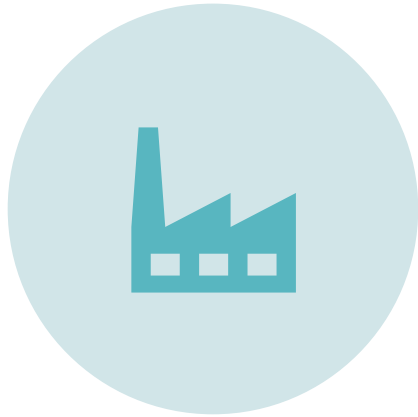
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WHAT ARE THE OBJECTIVES OF THIS GCF READINESS PROJECT?



OBJECTIVE 1: CAPACITY
BUILDING



OBJECTIVE 2: STRATEGIC
FRAMEWORKS



OBJECTIVE 5: KNOWLEDGE
SHARING AND LEARNING



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WHAT ARE THE OUTCOMES?



Objective 1: Capacity Building

Outcome 1.2 Direct access applicants and accredited entities (DAEs) have established capacity to meet and maintain the GCF's accreditation standards.

Outcome 1.3 Relevant country stakeholders have established adequate capacity, systems, and networks to support the planning, programming, and implementation of GCF-funded activities.



Objective 2: Strategic Frameworks

Outcome 2.2 GCF recipient countries have developed or enhanced strategic frameworks to address policy gaps, improve sectoral expertise, and enhance enabling environments for GCF programming in low emission investment.




Objective 5: Knowledge Sharing and Learning

Outcome 5.2 Partnerships established to foster development and dissemination of methods, frameworks, and information systems for enhanced climate finance programme at subnational, national, and regional levels.





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Outputs of the Project

 Support Direct Access applicants with training, capacity development, and improved systems for GCF accreditation.


 Engage and train stakeholders to support GCF planning, programming, and implementation.


 Establish mechanisms for stakeholder cooperation and information exchange.

 Revise and update NDCs, financing strategies, and related policies.

 Develop operational MRV systems for GHG tracking and climate finance.

 Conduct studies, modeling, and action plans to support mitigation efforts.

 Create strategic frameworks and plans for low-emission, climate-resilient development.

 Build partnerships to share methods, best practices, and lessons learned.



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Activities Relevant to Carbon Capture and Storage (CCS)

1

Enhance technical capacities for observation, data capture, analysis, reporting, and verification to support GHG tracking and CCS project monitoring.

2

Establish national institutional structures for stakeholder cooperation and information exchange aligned with UNFCCC requirements to enable coordinated CCS efforts.

3

Develop and operationalize Monitoring, Reporting, and Verification (MRV) systems to track GHG emissions and verify CCS performance.

4

Conduct sequestration potential studies and modeling to identify viable CCS opportunities and build technical capacity.

5

Develop strategic policies and frameworks for low-emission, climate-resilient development that integrate CCS as a key mitigation strategy.

6

Foster partnerships to share methods, best practices, and lessons learned, accelerating the adoption of CCS technologies.



Enhancing Carbon Capture and Storage (CCS)

Institutional Readiness: Strengthening systems and capacities ensures access to GCF funding for CCS and compliance with global standards.

Stakeholder Engagement: Collaboration fosters coordinated actions, addressing regulatory and technical barriers for CCS.

Data and Reporting: Robust MRV systems ensure transparency and effectiveness in CCS implementation.

Policy Integration: Strategic frameworks and updated NDCs include CCS as a key technology, driving investment and support.

Knowledge Sharing: Partnerships and capacity building accelerate CCS adoption through shared experiences and technological transfer.



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QUESTIONS?

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