



Climate Change Committee



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Curaçao Climate Change Policy Assessment



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Curaçao Climate Change Work Plan

Albert Martis (Chair)
Director Meteorological Department Curaçao



Overview



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1. Policy Assessment Report
2. Results-based Management
3. Strategic Plan
4. Work Plan



Summary Policy Assessment



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Curaçao Climate Change Policy Assessment

- 4 Organizational Challenges
- 10 Priorities
- 3 Crosscutting issues
- 10 Policy topics
- 50+ Relevant stakeholders

Recommendation:

Develop a mechanism that incorporate relevant stakeholders in order to design the national mitigation and adaptation plans.



Curaçao Climate Change Platform





Results-based Management

Strategic Plan

Work Plan

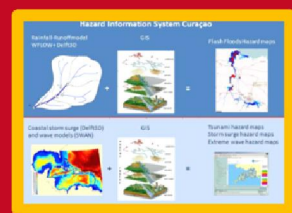
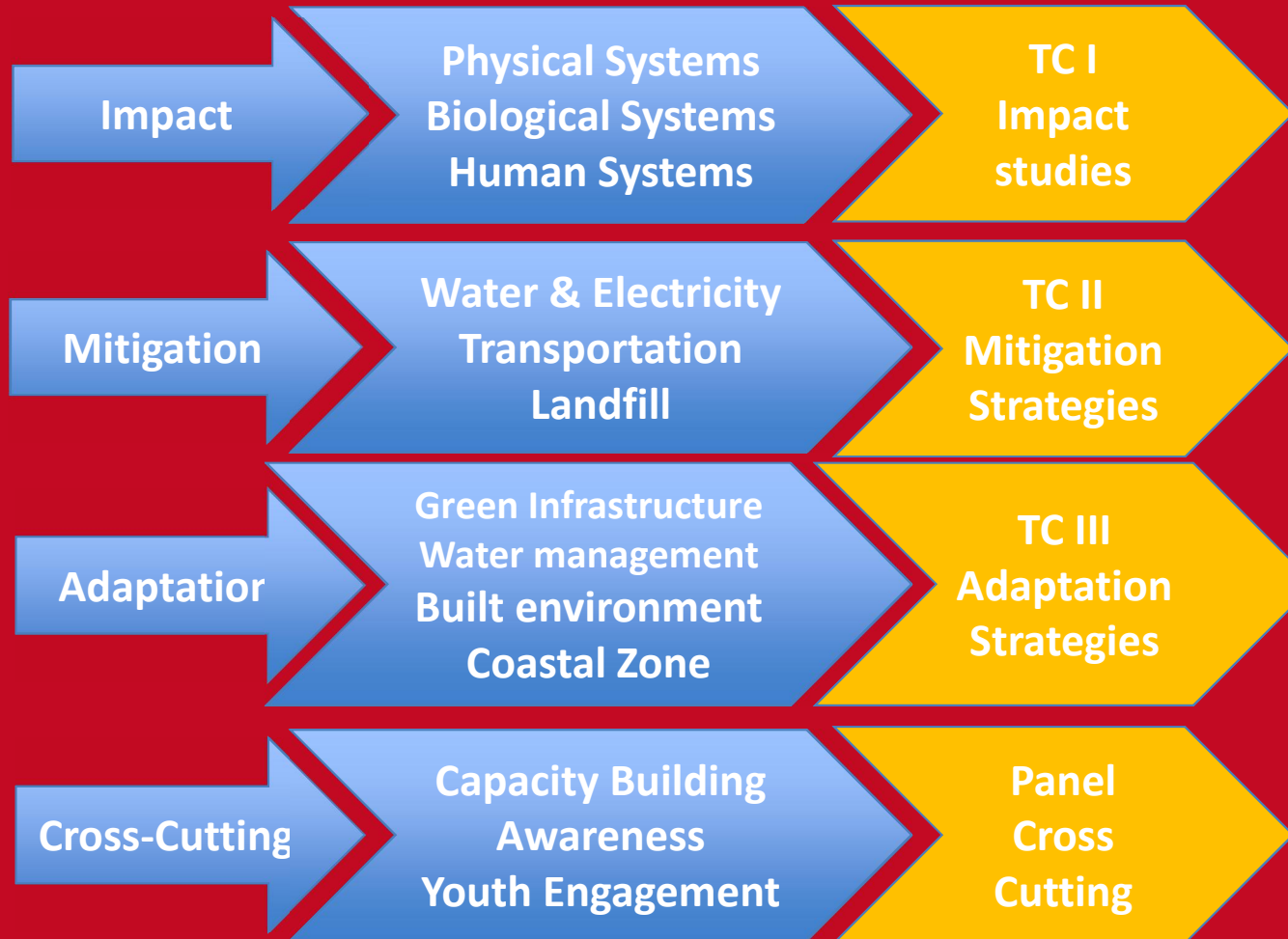


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Vision CCCP:
resilient to the adverse impacts of natural hazards and the loss of biodiversity

Mission CCCP:
a scientific and evidence-based platform where expertise related to the adverse impacts of climate change is combined to formulate mitigation and adaptation strategies





Vision

Curaçao Climate Change Platform



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By 2030 Curaçao will be resilient to the adverse impacts of **natural hazards** and the **losses of biodiversity** due to climate change and a key player in **renewable energy**.



Long-term Goals



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Strategic Objectives	Long-term Outcomes	Target
1. Better knowledge of the impacts of climate change in Curaçao (Impact)	1. Improved capability of members to utilize knowledge of the impact of climate change on Curaçao.	70 % of stakeholders utilize impact knowledge in their decision making
2. Realize a carbon neutral footprint (Mitigation)	2. Increased use of new technologies and renewable energies sources to reduce greenhouse gases and realize a neutral footprint.	Neutral carbon footprint country
3. Strengthen resilience of the country to shocks (Adaptation)	3. Enhanced practice of strategies to reduce vulnerability and losses of biodiversity	70% of stakeholders implemented adaption strategies



Impact Climate Change



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Land

- Flash flooding
- Prolonged droughts
- Coastal erosion
- Heat strokes
- Hurricanes
- Food security
- Vector born diseases

Ocean

- Coral bleaching
- Coastal inundation
- Ocean acidification



Priorities Impact



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Focus Areas	Expected Results	Members
1.1 Physical systems	Better understanding of the effects on weather and sea conditions.	
1.2 Biological systems	Better understanding of the effects on the terrestrial and marine ecosystems.	
1.3 Human systems	Better understanding of the effects on food security, livelihood, health and the economic pillars.	



CO2 Emissions



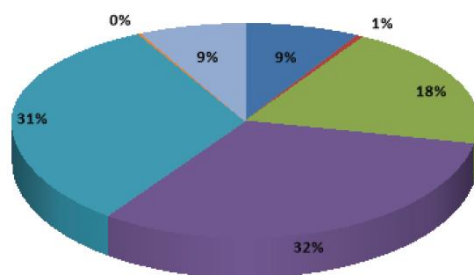
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capita: 149310
per
capita
in ton
CO2

Table 18: Emissions and benchmarks

	kton CO ₂			
Total Curaçao	4542	0.02	30.4	
Total excl. refinery / CRU	1676	0.01	11.2	



- Transport
- Cooking, natural gas
- Production of electricity and water
- Industry: refinery
- Industry: production of energy for refinery
- landfill

Aruba	2,396		21.7
Colombia	63,387		1.5
Kuwait	86,075		26.3
Trinidad	37,006		37.3
Netherlands	173,102		10.5
Saudi Arabia	433,202		17.2
Venezuela	165,415		6.0
U.S.A.	5,832,194	27	19.7

Figures are | 2008 emissions of CO₂, World Statistics UN July 2010.



Long-term Goal: Mitigation



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Strategic Objectives	Long-term Outcomes	Target
Realize a carbon neutral footprint	Increased use of new technologies and renewable energies sources to reduce greenhouse gases and realize a neutral footprint.	Neutral carbon footprint country



Priorities Mitigation



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Focus Areas	Expected Results	Members
2.1 Energy	Increased use of renewable energy and energy efficiency	
2.2. Transportation	Efficient public transportation, E-cars, E-bikes,... reduced Travel	
2.3. Waste Management	Reduce, reuse and recycle Waste-to-energy	



Evaluation Methodologies



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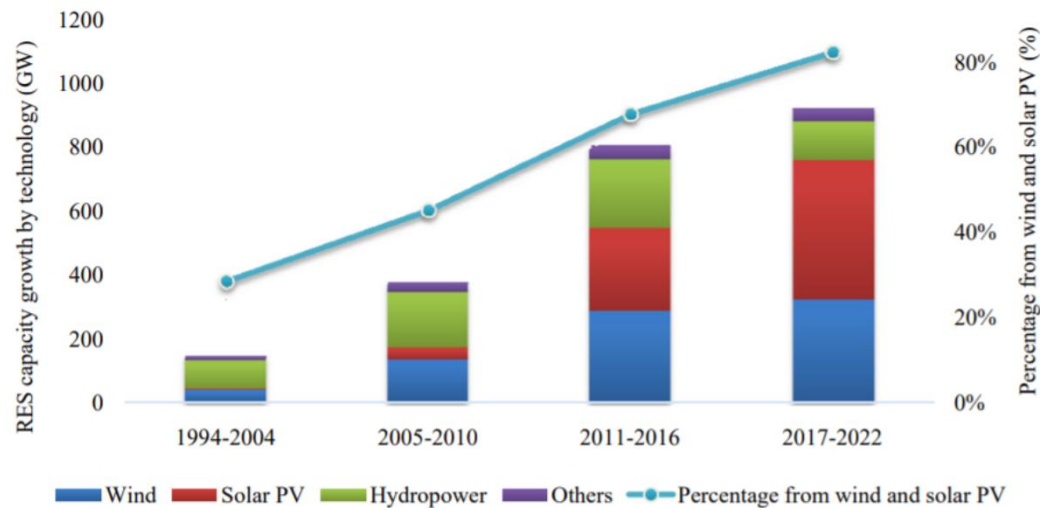


Figure 1. Renewable electricity capacity growth by technology worldwide.

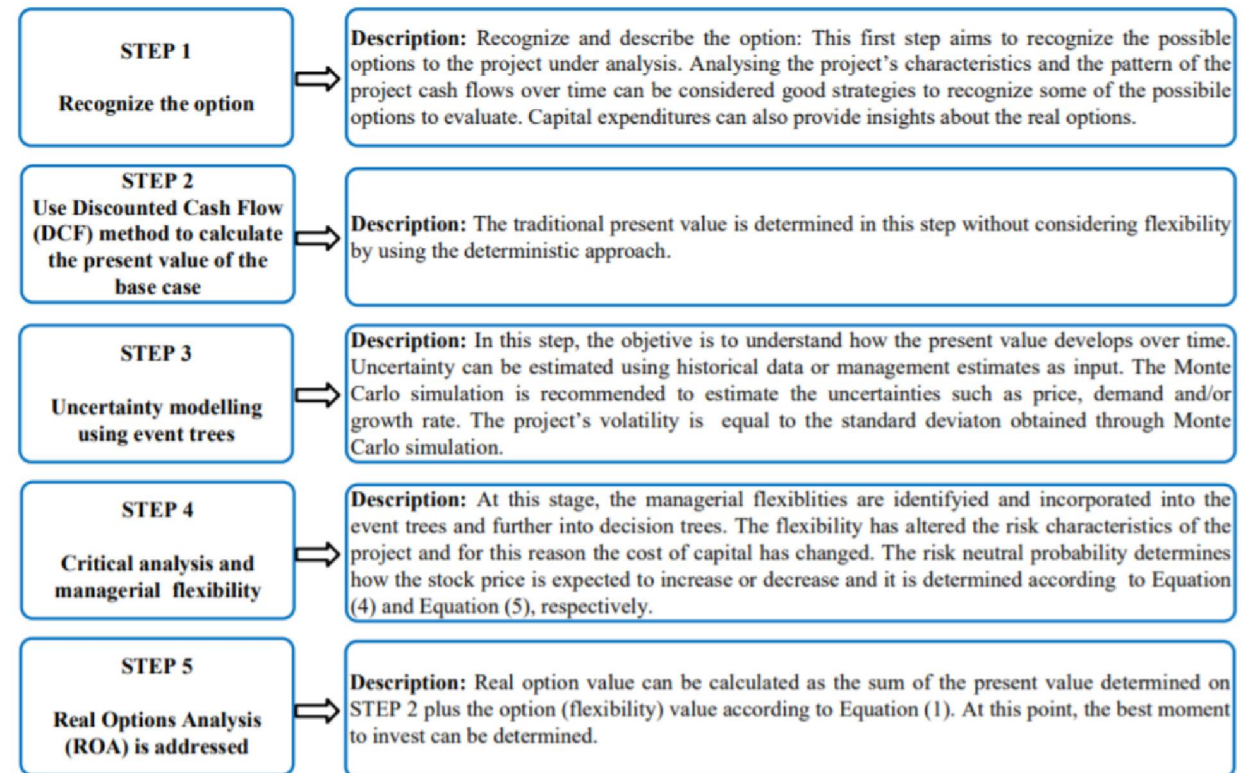


Figure 3. The methodological approach for applying ROA based on [45] and [65].

file:///C:/Users/METEO/Downloads/Journal_AIMS_Energy_EconomicEvaluationMethodologiesforRenewableEnergyProjects.pdf



Priorities Adaptation



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Focus Areas	Expected Results	Members
3.1. Green infrastructure	More biodiversity and carbon sinks on land	
3.2. Water Management & Agriculture	Replenishment of ground water, flood control and food security	
3.3. Built environment	Renew building codes and Green Buildings	
3.4. Coastal Zone Management	Inundation control Renew zoning, more biodiversity in coastal areas	
3.5 Culture and WH Sites	Preservation of cultural heritage and WH sites	



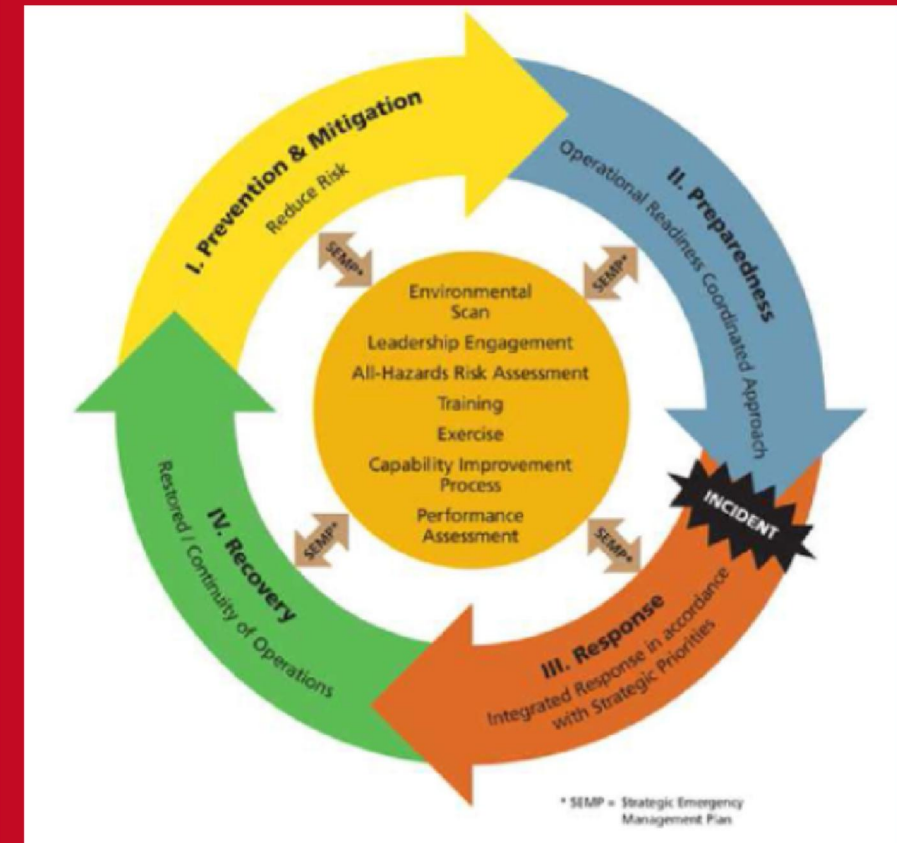
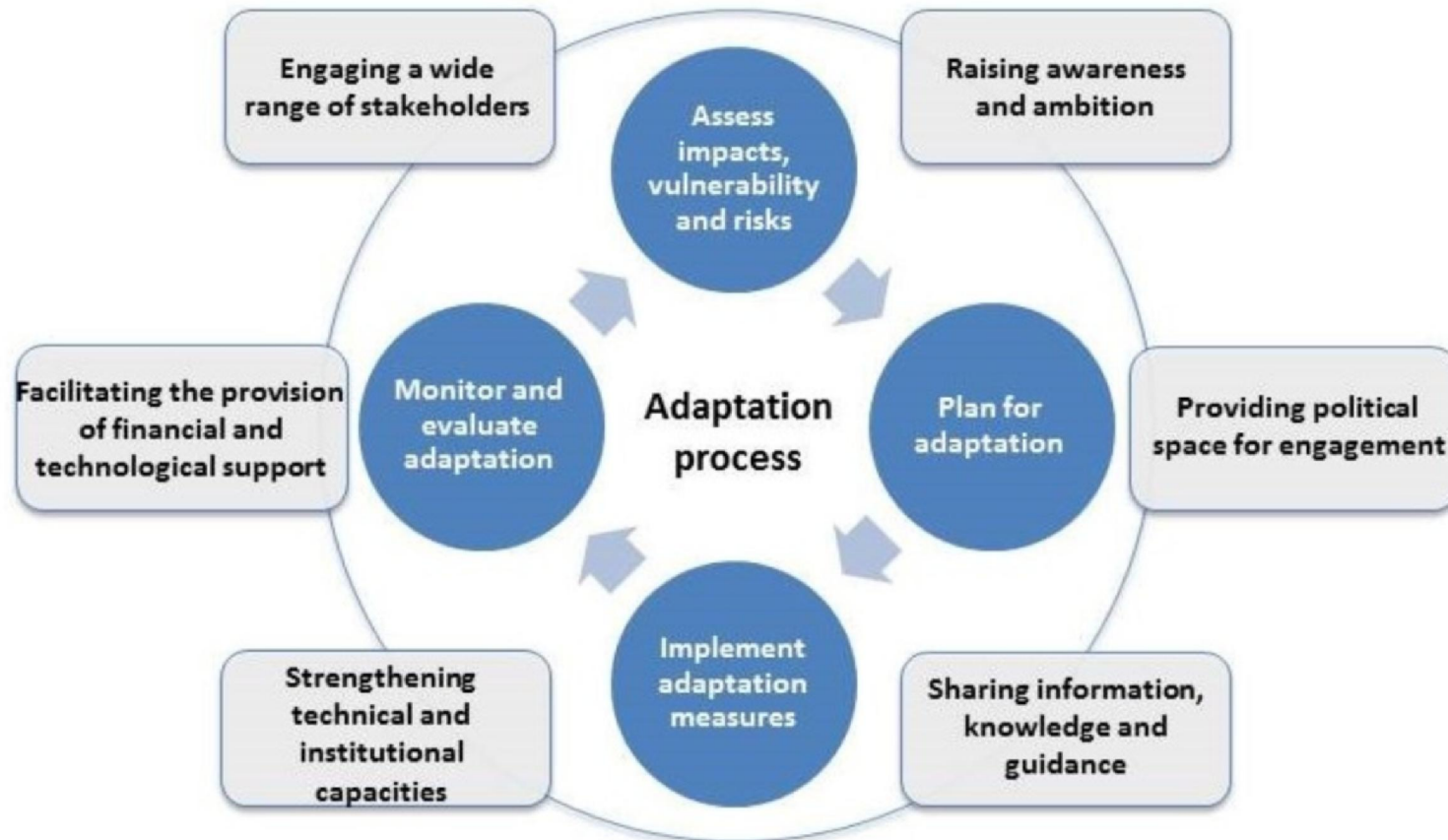
Adaptation Process



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How do parties address adaptation?





Cross-cutting Priorities



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Focus Areas	Expected Results/Output	Members
4.1. Capacity Building Institutions/experts	Sustainable Implementation Climate Change Industry Climate Change Projects	
4.2. Awareness Activities	Policy-makers support Community support	
4.3. Youth Engagement	Sustainable future	

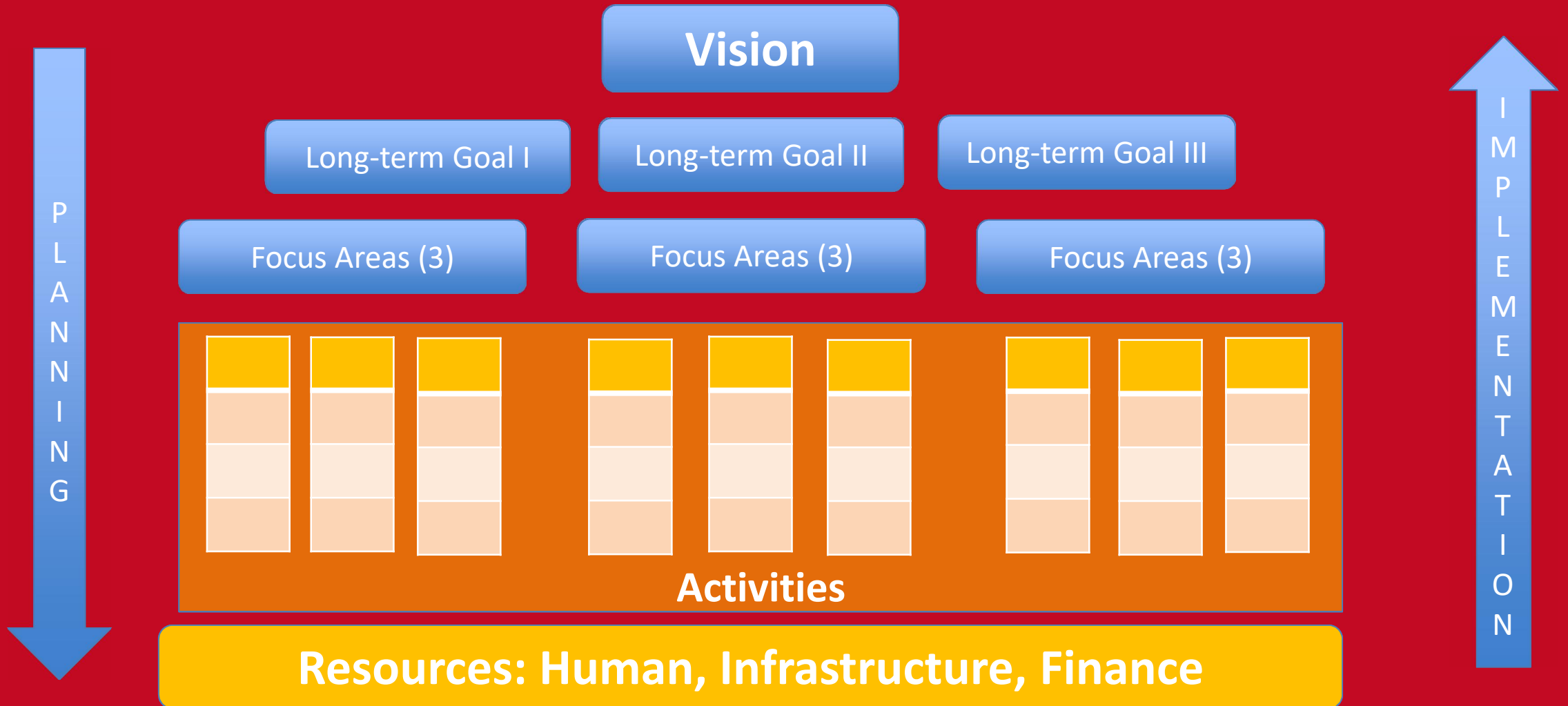


The Result Chain



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Work Plan (13+)



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Impact Studies (TC-I)

- 1.1 Physical Systems
- 1.2 Biological Systems
- 1.3 Human Systems

Mitigation Strategies (TC-II)

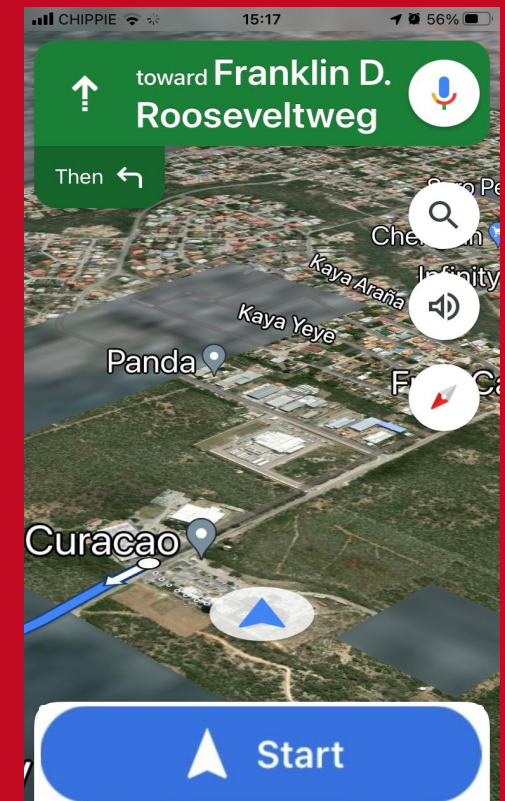
- 2.1 Water and Electricity
- 2.2 Transportation
- 2.3 Waste Management

Adaptation Strategies (TC-III)

- 3.1 Green Infrastructure
- 3.2 Water Management
- 3.3 Built Environment
- 3.4 Coastal Zone Management
- 3.5 Culture and WH Sites

Cross-cutting (PANEL)

- 4.1 Capacity Building
Institutions/Experts
- 4.2 Awareness Activities
- 4.3 Youth Engagement



September 2021



Work Plan: TC I

Impact studies



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Priority 1.1: Physical systems

Expected Result: Better understanding of the effects on weather and sea conditions.

.....1,2, 1.3.....

Activities	Owner	Deliverables	Resources	Budget	Risks	KPI	Due date
1.							
2.							
3.							
4.							



Work Plan: TC II

Mitigation Strategies

Priority 2.1: Energy

Expected Result: Increased use of renewable energy and energy efficiency

.....2.2, 2.3,.....

Activities	Owner	Deliverables	Resources	Budget	Risks	KPI	Due date
1.							
2.							
3.							
4.							



Work Plan: TC III Adaptation Strategies



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Priority 3.1: Green infrastructure

Expected Result: More biodiversity and Carbon sinks on land

....3.2,3.4.....

Activities	Owner	Deliverables	Resources	Budget	Risks	KPI	Due date
1.							
2.							
3.							
4.							



Work Plan: Cross-cutting



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Priority 4.1: Capacity Building Institutions/experts
Expected Result: Sustainable Implementation, Climate Change Industry and Climate Change Projects

Activities	Owner	Deliverables	Resources	Budget	Risks	KPI	Due date
1.							
2.							
3.							
4.							



Monitoring Plan: Bureau Priorities



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Outcome	Owner	Target	Baseline	KPI	Risks
1. Improved capability of members	Chair TC I	70 % of stakeholders utilize impact information in their decision making			
2. Increased use of new technologies and renewable energies.....	Chair TC II	Neutral carbon footprint country			
3. Enhanced practice of strategies	Chair TC III	70% of stakeholders implemented adaption strategies			



Monitoring Plan: Bureau Cross-cutting issues



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Outcome	Owner	Target	Baseline	KPI	Risks
4. Capacity Building experts & Institutions	Chair Panel	70 % of stakeholders received training on 1. Sustainable Implementation, 2. CC industry 3. CC Project			
5. Awareness Activities	Chair Panel	Consultation with Policy makers and Communities			
6. Youth Engagement	Chair Panel	70% Youth involved in the Platform			



Curaçao Climate Change Platform Work Structure



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Functions:

Coordinate/ Monitor
the Plans

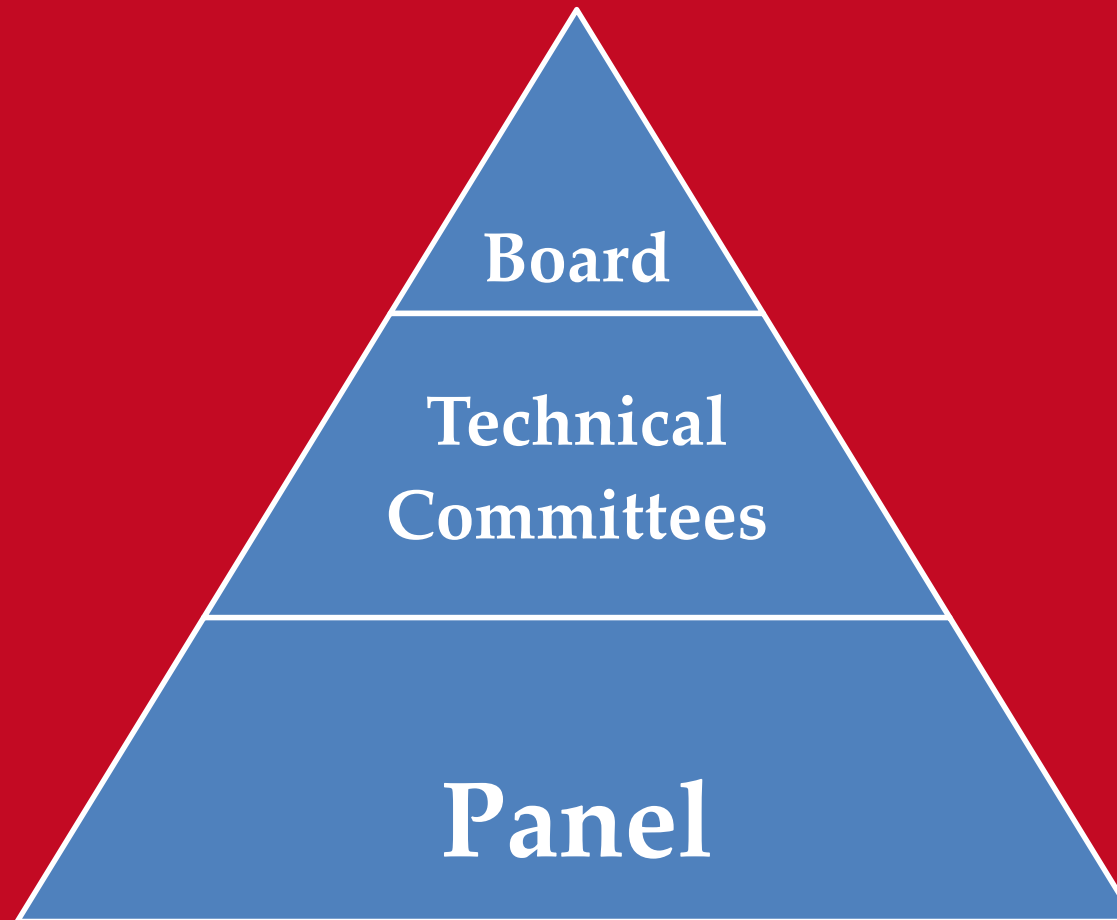
Study the:

TCI: Impact

TCII Mitigation

TCII Adaptation

Approve and adopt
the reports of
the TCs



Membership:

Chair and Vice Panel
Chair and Vice Chairs
TCs, Secretariat

Chair and Vice Chairs
TCs
25 Experts per TC

Chair and Vice Panel
Members:

- Public Sector,
- Private Sector,
- Academia and
- NGO.



Curaçao Climate Change Platform Panel Meeting (December 2021)



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- Official Opening
- Establishment of the CCCP
- First results of the Working Groups
- Election of the Officers

