



# Climate Change Committee



United Nations  
Educational, Scientific and  
Cultural Organization

Curaçao  
National  
Commission  
for UNESCO

## Curaçao Climate Change Policy Assessment



Curaçao  
National  
Commission  
for UNESCO



# Curaçao Climate Change Implementation Plan

**Albert Martis (Chair)**  
Director Meteorological Department Curaçao

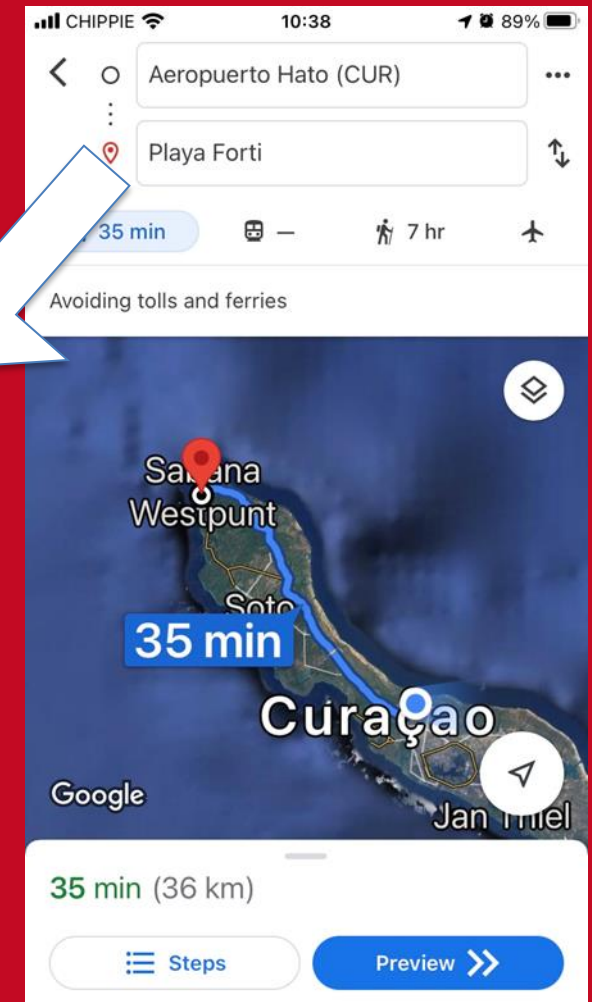


# Vision

## Curaçao Climate Change Platform



“RBM is about selecting a destination first, then deciding on the route, checking against a map and making adjustments as required”.



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



United Nations  
Educational, Scientific and  
Cultural Organization

Curaçao  
National  
Commission  
for UNESCO

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



# Implementation Phase



11 May 2022

Vision

Mission

Long-term Goal I

Long-term Goal II

Long-term Goal III

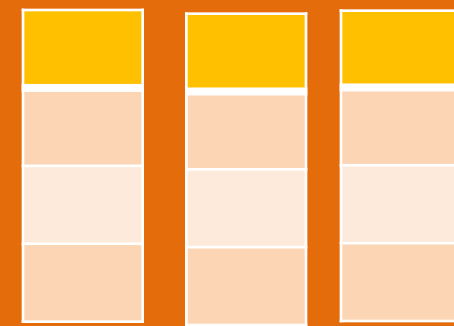
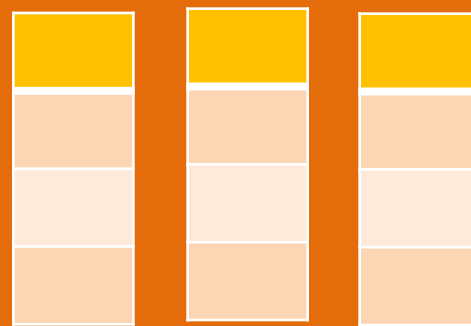
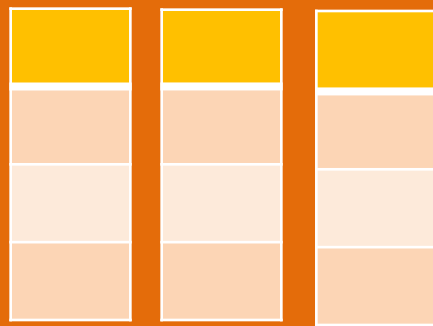
Expected Results

Expected Results

Expected Results

P  
L  
A  
N  
N  
I  
N  
G

I  
M  
P  
L  
E  
M  
E  
N  
T  
A  
T  
I  
O  
N



Activities

Input: Human, Material, Finance



# Focus Areas Impact



United Nations  
Educational, Scientific and  
Cultural Organization

Curaçao  
National  
Commission  
for UNESCO

Focus Areas	Expected Results	Experts
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.	



# Focus Areas Mitigation



United Nations  
Educational, Scientific and  
Cultural Organization

Curaçao  
National  
Commission  
for UNESCO

Focus Areas	Expected Results	Experts
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	



# Focus Areas Adaptation



United Nations  
Educational, Scientific and  
Cultural Organization

Curaçao  
National  
Commission  
for UNESCO

Focus Areas	Expected Results	Experts
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	



# Cross-cutting Areas



United Nations  
Educational, Scientific and  
Cultural Organization

Curaçao  
National  
Commission  
for UNESCO

Focus Areas	Expected Results/Output	Experts
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	





# Curaçao Climate Change Platform Work Structure



United Nations  
Educational, Scientific and  
Cultural Organization

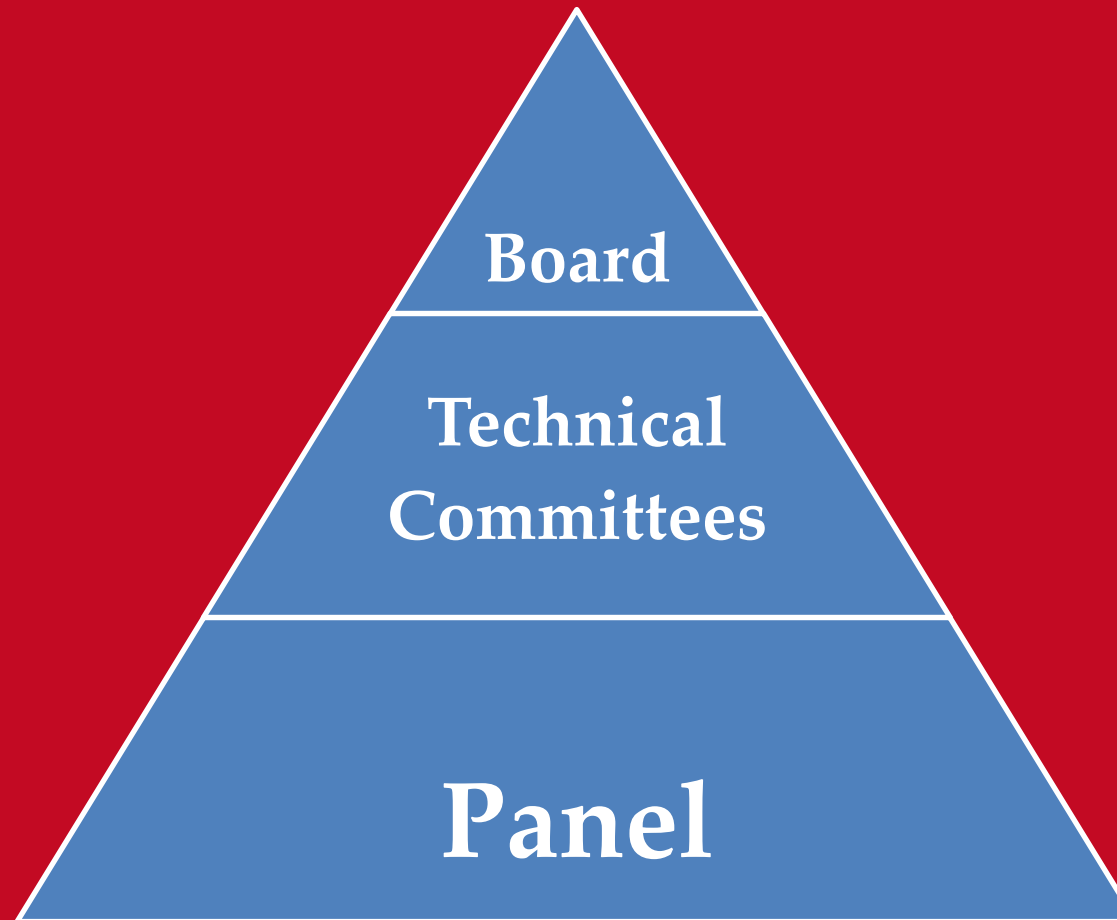
Curaçao  
National  
Commission  
for UNESCO

## 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.



# Work Plan (13+)



United Nations  
Educational, Scientific and  
Cultural Organization

Curaçao  
National  
Commission  
for UNESCO

## Impact Studies (TC-I)

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

## Mitigation Strategies (TC-II)

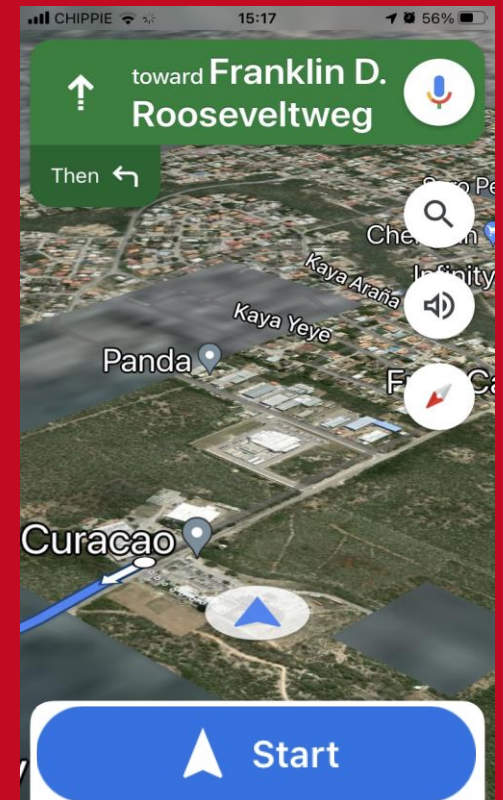
- |     |                       |
|-----|-----------------------|
| 2.1 | Water and Electricity |
| 2.2 | Transportation        |
| 2.3 | Waste Management      |

## 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<br>Institutions/Experts |
| 4.2 | Awareness Activities                      |
| 4.3 | Youth Engagement                          |



September 2022



# Evaluation Methodologies



United Nations  
Educational, Scientific and  
Cultural Organization

Curaçao  
National  
Commission  
for UNESCO

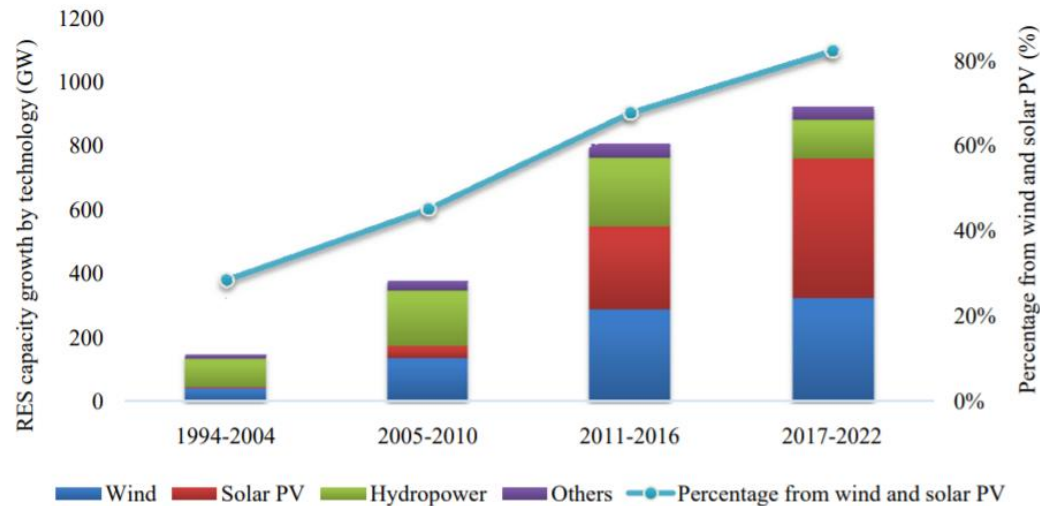


Figure 1. Renewable electricity capacity growth by technology worldwide.

file:///C:/Users/METEO/Downloads/Journal\_AIMS\_Energy\_EconomicEvaluationMethodologiesforRenewableEnergyProjects.pdf

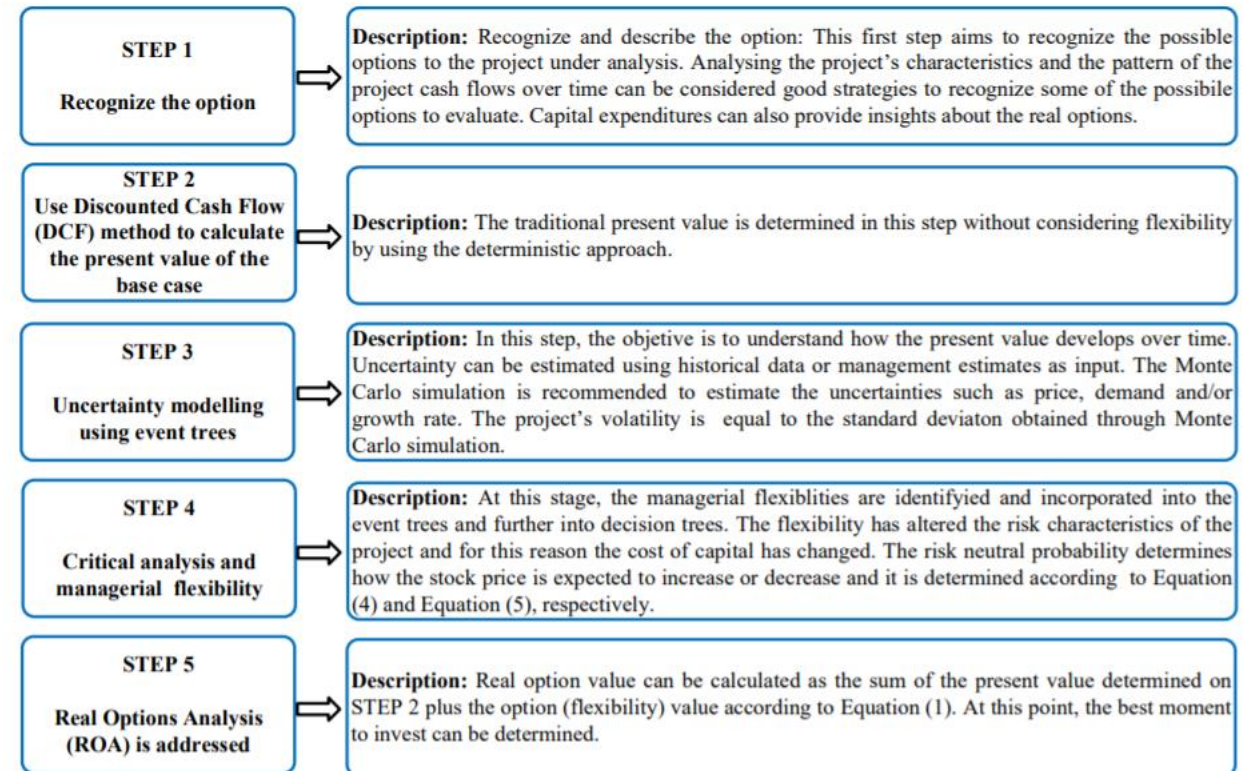


Figure 3. The methodological approach for applying ROA based on [45] and [65].



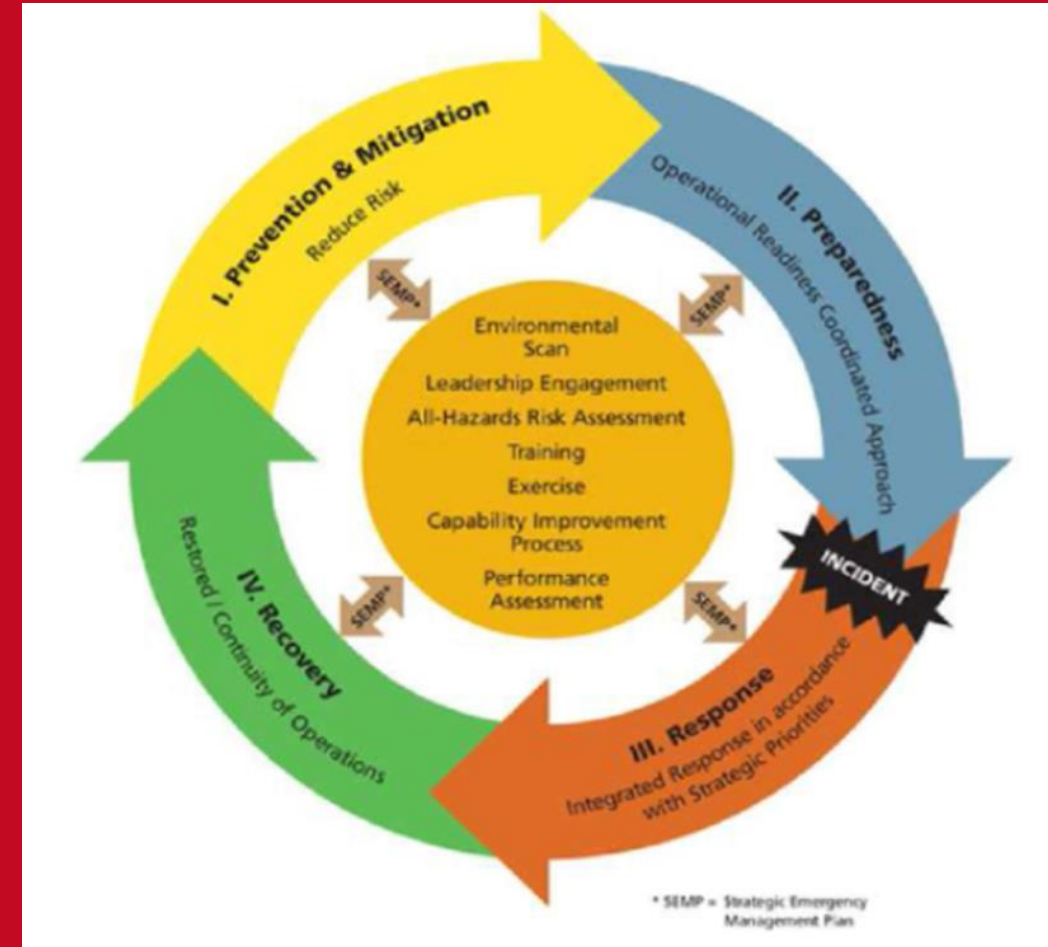
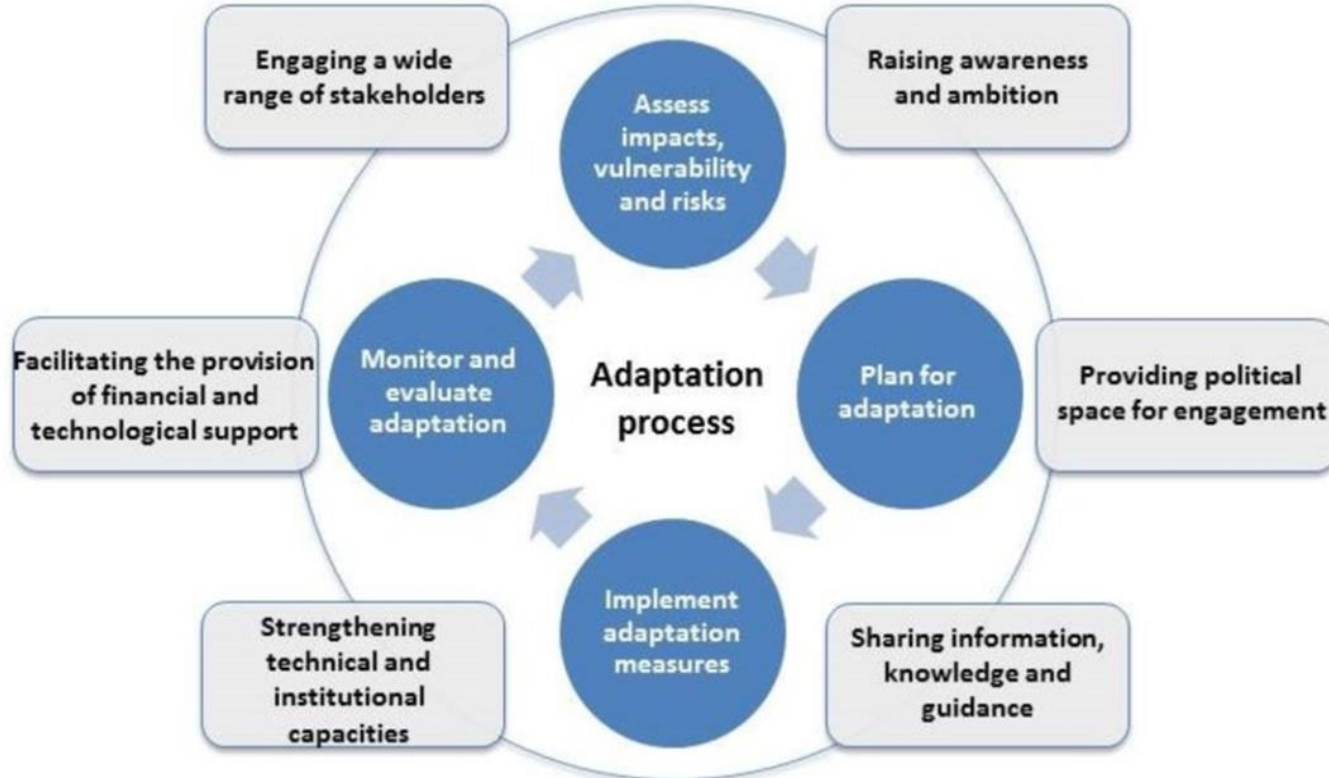
# Adaptation Strategies



United Nations  
Educational, Scientific and  
Cultural Organization

Curaçao  
National  
Commission  
for UNESCO

How do parties address adaptation?





# 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.							



# Monitoring Plan



United Nations  
Educational, Scientific and  
Cultural Organization

Curaçao  
National  
Commission  
for UNESCO

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: Cross-cutting issues



United Nations  
Educational, Scientific and  
Cultural Organization

Curaçao  
National  
Commission  
for UNESCO

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			



# Mission

## Curaçao Climate Change Platform



### Mission:

The mission of the Curaçao Climate Change Platform (CCCP) is to facilitate a scientific and **evidence-based platform** where expertise related to the adverse impacts of climate change is combined, to formulate mitigation and adaptation strategies for Curaçao.

Bus: Playa Forti







# Summary CCCP 2020-2023

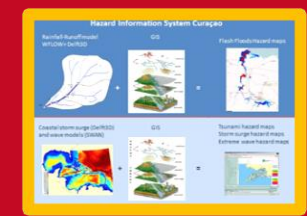
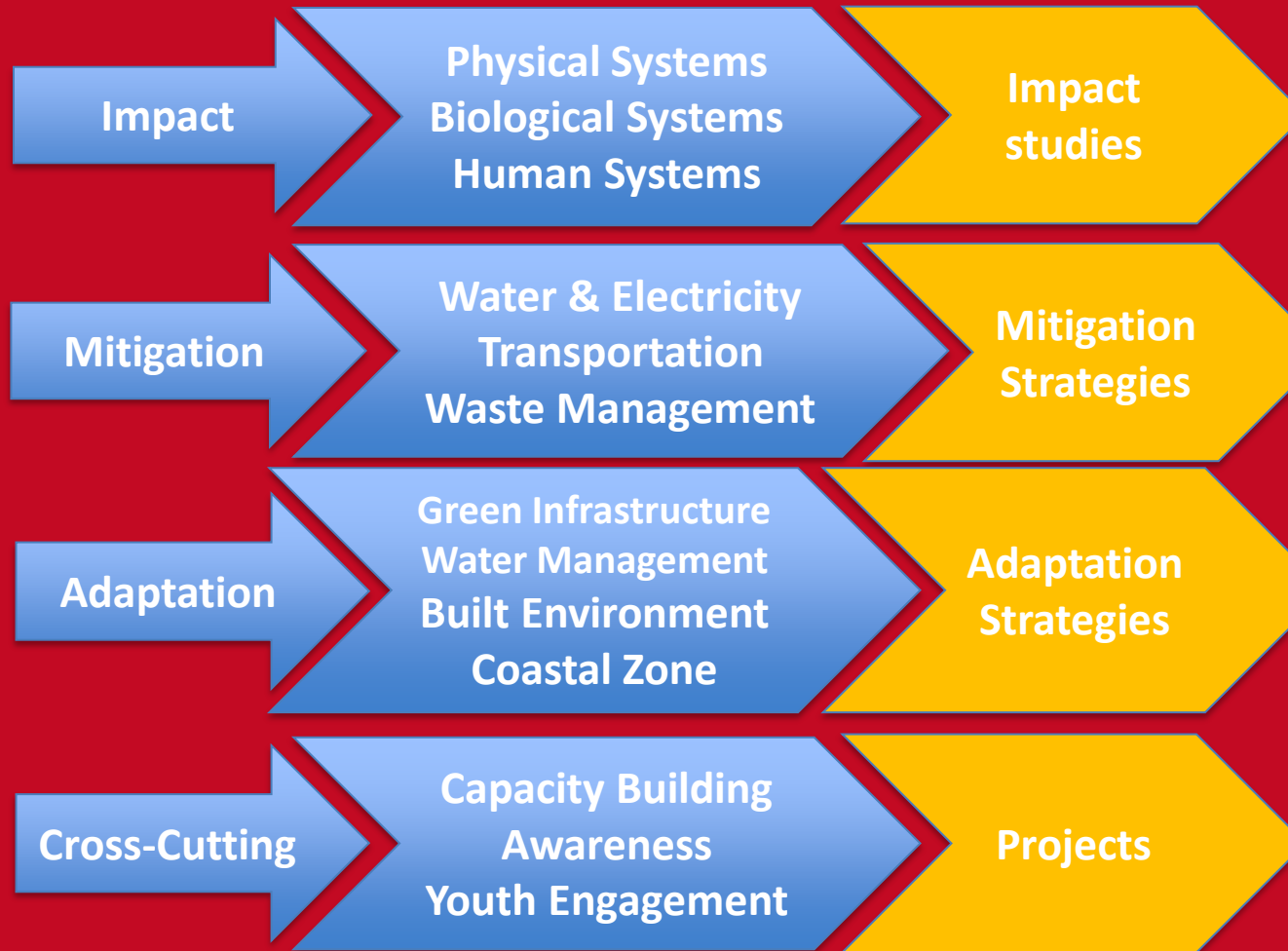


## Strategic Plan

## Work Plan

**Vision:**  
resilient to the impacts of natural hazards and the loss of biodiversity and key player in renewable energy

**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





# Curaçao Climate Change Platform First Panel Meeting (August 2022)



United Nations  
Educational, Scientific and  
Cultural Organization

Curaçao  
National  
Commission  
for UNESCO

- Opening
- Membership
- Reports of the Working Groups
- Documents
- Election of the Officers





# Work Plan: TC I

## Impact studies

### 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 III Adaptation Strategies



United Nations  
Educational, Scientific and  
Cultural Organization

Curaçao  
National  
Commission  
for UNESCO

**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



United Nations  
Educational, Scientific and  
Cultural Organization

Curaçao  
National  
Commission  
for UNESCO

**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.							



# Long-term Goal: Mitigation



United Nations  
Educational, Scientific and  
Cultural Organization

Curaçao  
National  
Commission  
for UNESCO

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