



# International Panel on Deltas and Coastal Areas - IPDC

Dutch Caribbean Updates

**Timo Kelder**

Coordinator Dutch Caribbean

*17 January, 2025*

# Agenda

1. Welcome and introduction [10 min]
2. IPDC process and plan 2025 [10 min]
3. Island-specific plans 2025 [6x 5 min]
  - Aruba – Ryan Peterson
  - Curaçao – Pédzi Girigori
  - Sint Maarten – Raïtza Narain
  - Bonaire – Arxen Alders
  - Saba – Justin Simmons
  - Statia – Kimani Kitson-Walters
4. Discussion and questions [15 min]
5. Identifying overarching efficiencies [15 min]
6. Next meetings and wrap-up [10 min]

# 1. Goals of this meeting

- Inter-island exchange of IPDC activities in support of the climate adaptation plan of each island
  - The inter-island exchange may address both content and process/organization
- Sharing lessons-learned and identifying potential inter-island opportunities





## 2. IPDC process and plan 2025

# 2. IPDC Timeline up to now



December, 2022  
**Regional Conference**  
Curaçao



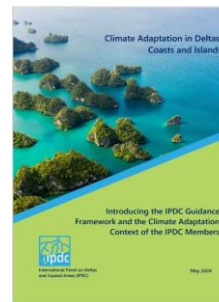
March, 2024  
**Working Conference**  
Rotterdam



August, 2024  
**IPDC Dutch Caribbean Scoping**



March, 2023  
**IPDC Launch**  
New York

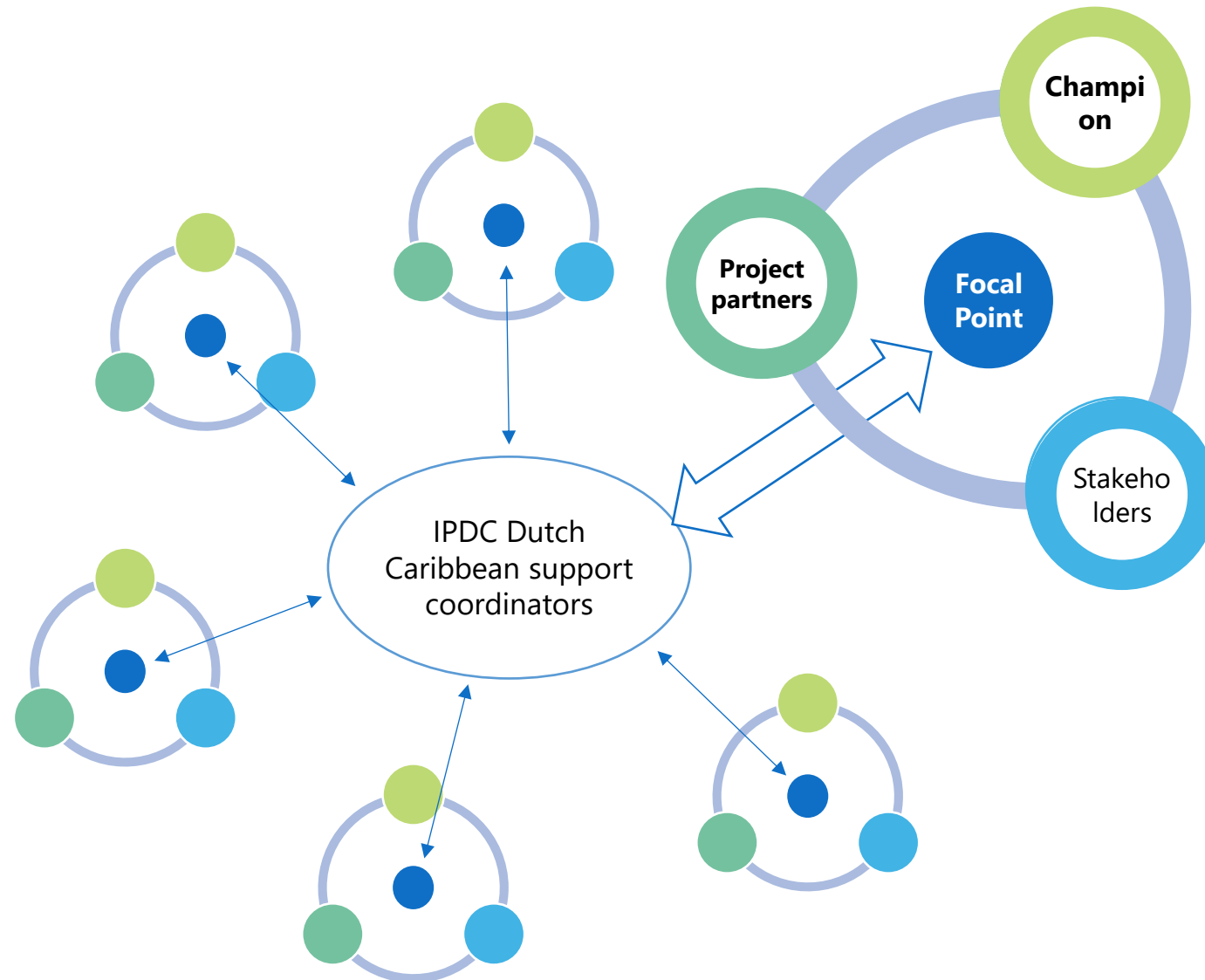


May, 2024  
**IPDC Report with input from Dutch Caribbean**

**Co-designed projects** that strengthen island adaptation plans



## 2. Coordination IPDC Dutch Caribbean support

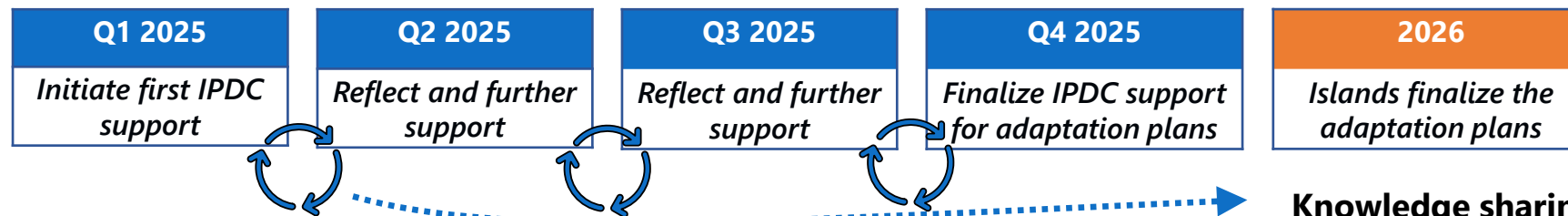


## 2. Overall planning of IPDC support



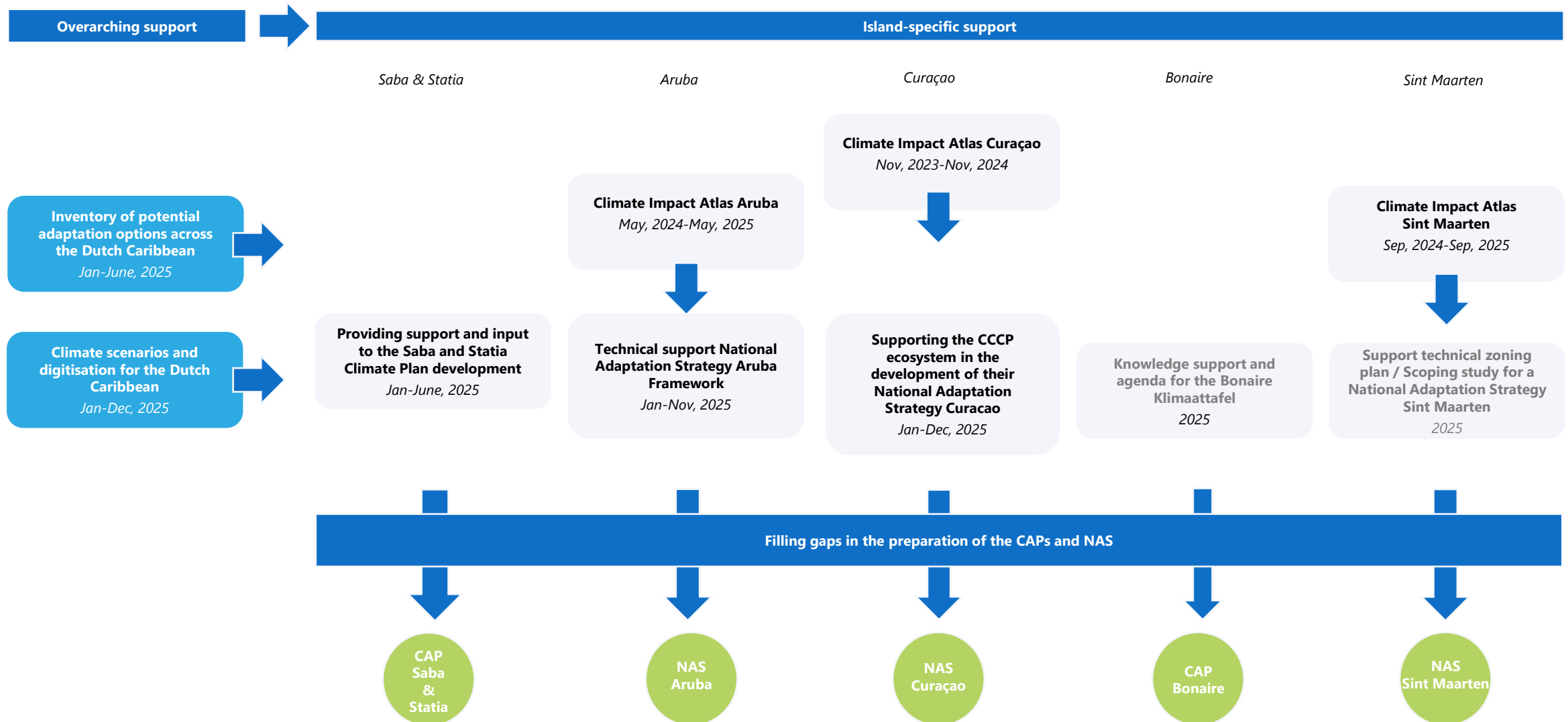
### Menu Card

- **Analysis:** knowing and understanding
- **Ambition:** deciding and planning
- **Action:** doing and implementing
- **Enabling conditions**



**Knowledge sharing and Advising on the next steps for the Dutch Caribbean**

# 2. Planning of IPDC support in 2025





## 2. Overarching support

- ◆ **Inventory of potential adaptation options across the Dutch Caribbean**

Co-develop a list of potential adaptation options to feed into the adaptation plans across the Dutch Caribbean.

*January – June, 2025*

*VU-IVM, Universities of Curaçao, Aruba, and Sint Maarten, Wageningen University, Deltares, CAS*

- ◆ **Climate scenarios and digitisation for the Dutch Caribbean**

Digitise and co-develop climate scenarios across the Dutch Caribbean where needed.

*January – December, 2025*

*Meteorological Departments Curaçao, Aruba, and Sint Maarten, KNMI*



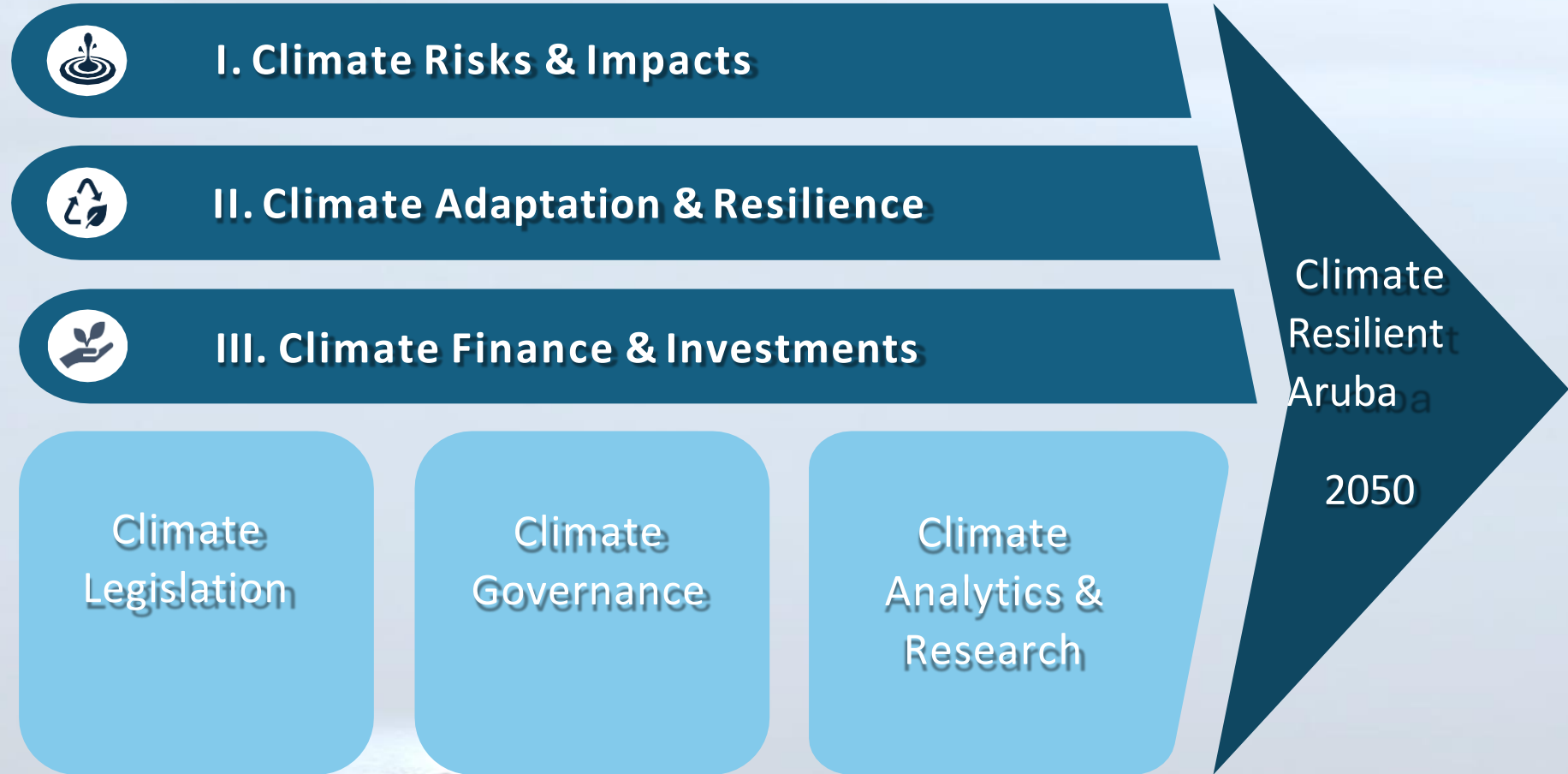
### 3. Island-specific plans 2025

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# From Analysis to Ambition

NCRC Action Plan 2025

# NCRC Strategic Pathways

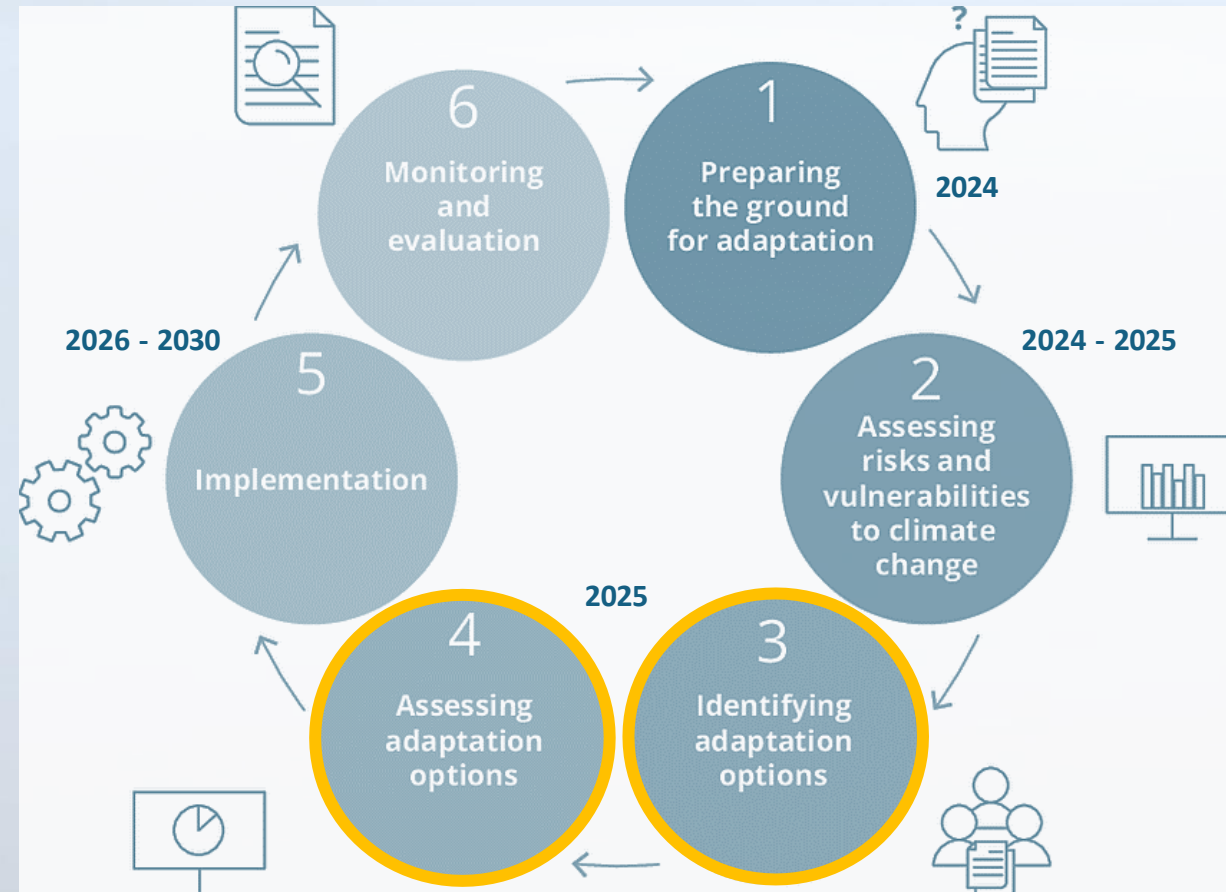




# The Big Picture

## Ambition & Goal

- Theme: *From Analysis to Ambition*
- To establish a National Adaptation Strategy (NAS) for Aruba.



# Time flow



# Thank you

NCRC Action Plan 2025





### 3. Island-specific plans 2025

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# Towards a National Adaptation Strategy for Curaçao

Pédzi V.J. Flores-Girigori MSc.  
*Chief Operations Officer*  
**Meteorological Department Curaçao**

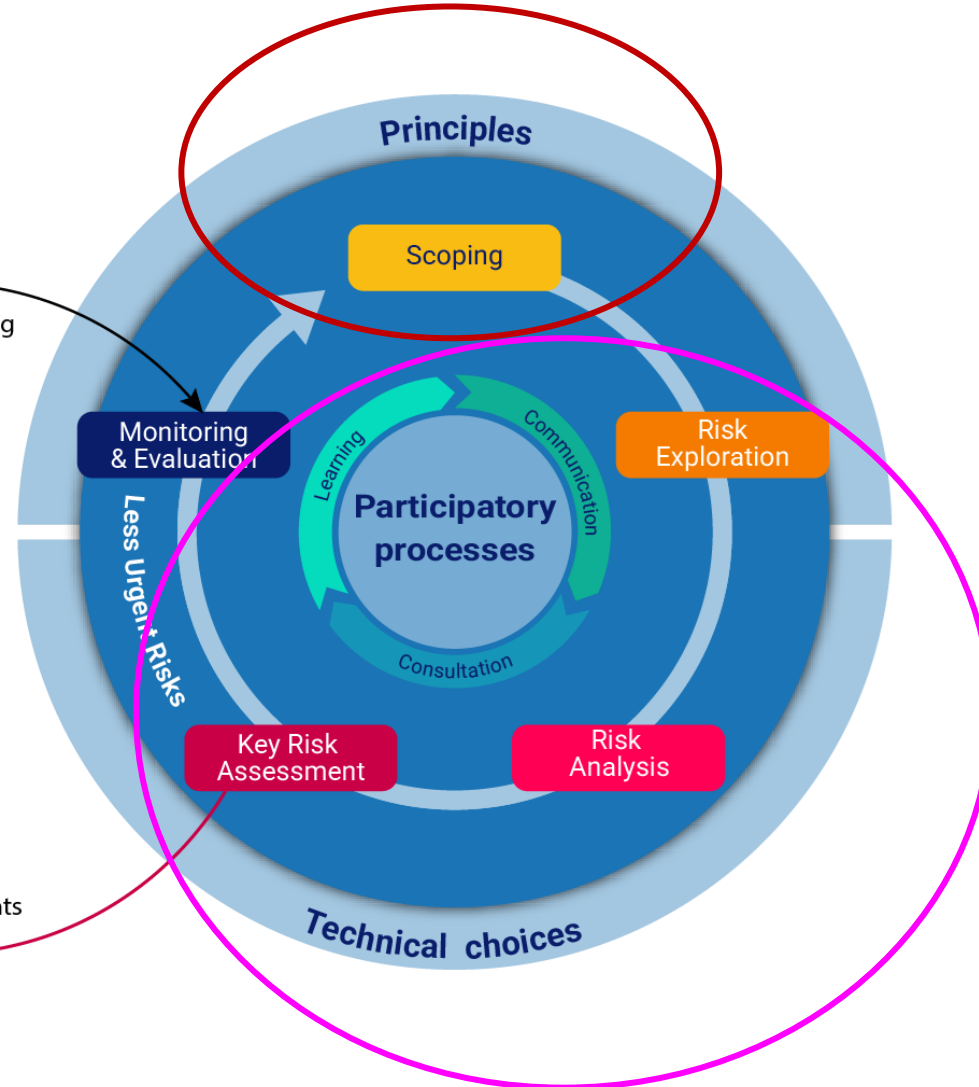
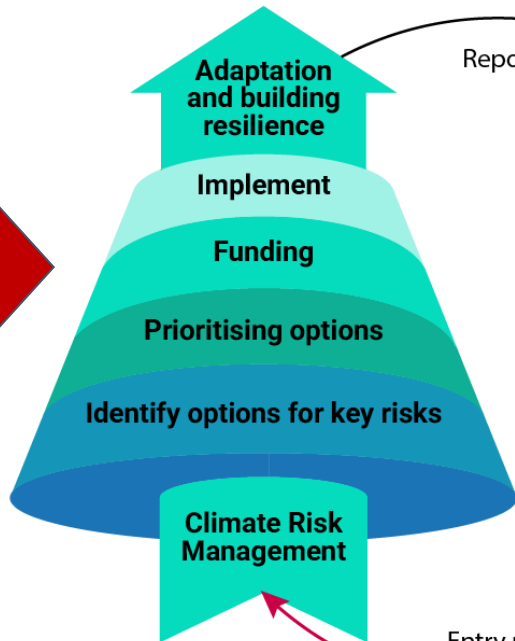
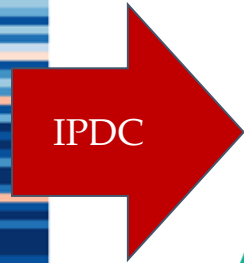


GOVERNMENT OF CURAÇAO



**Meteorological Department Curaçao**  
Ministry of Traffic, Transport and Urban Planning

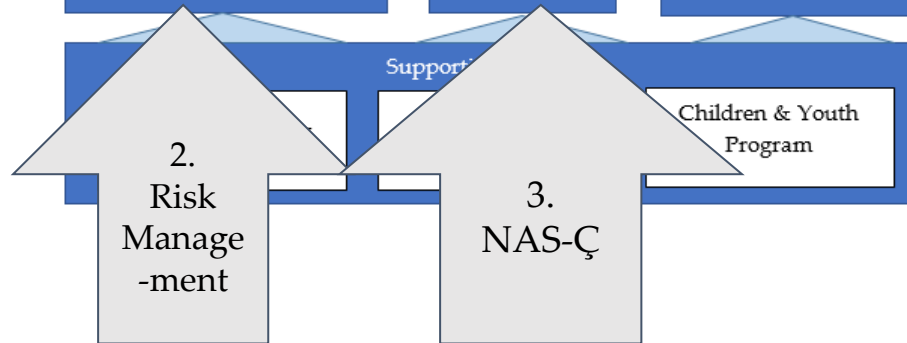
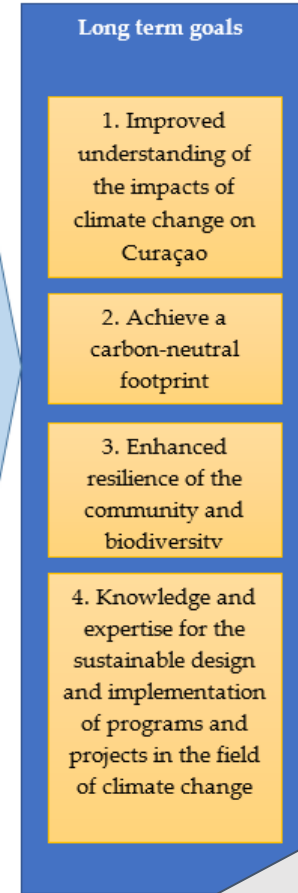
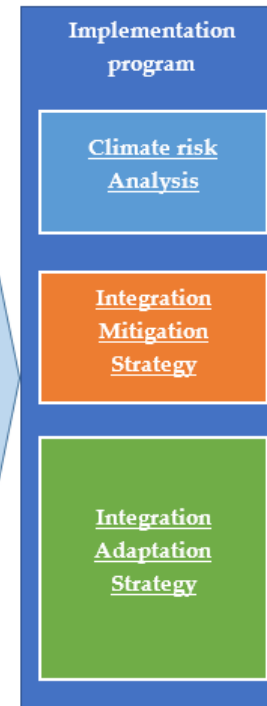
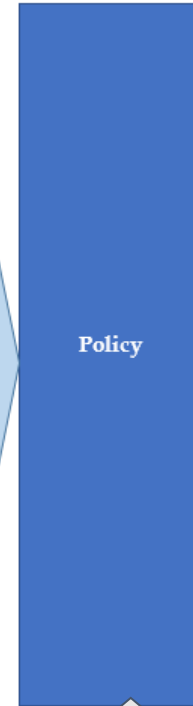
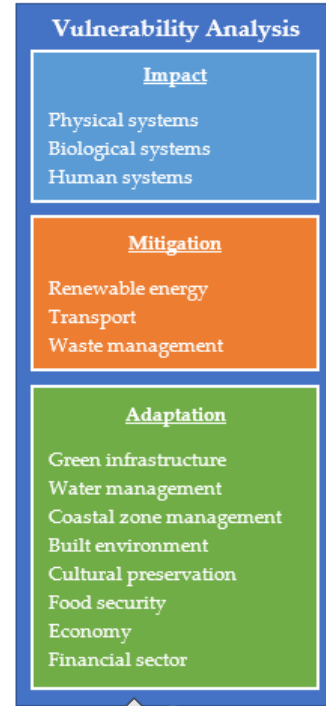
# Framework



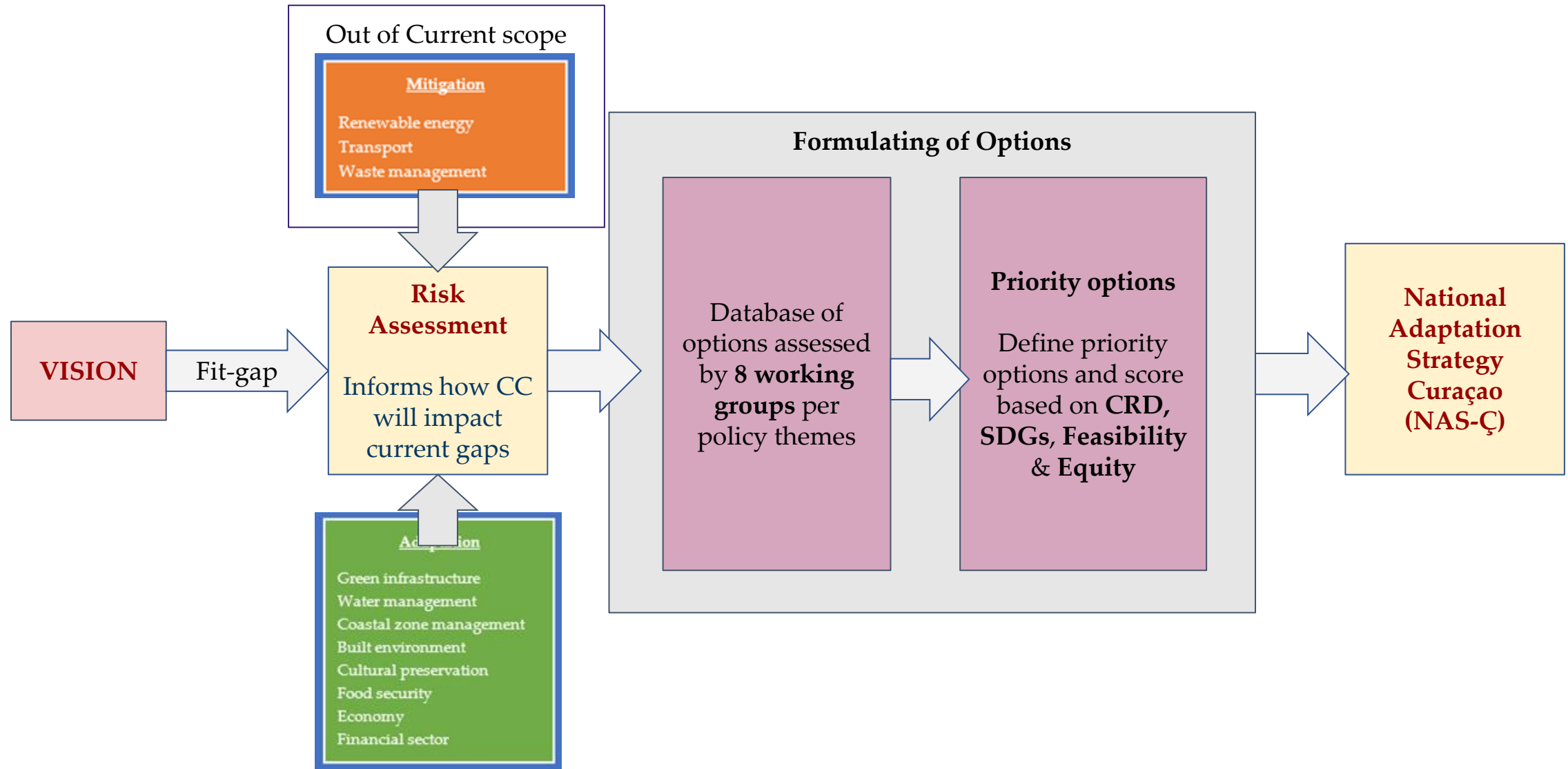
- Working from a risk management perspective.
- Assessing the long term risk posed by climate change

CLIMAAX Kòrsou

# From Roadmap to NAS-Ç



# Work Plan for 2025







### 3. Island-specific plans 2025

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# Sint Maarten planned outputs for 2025

## 1. IPDC support

- **Developing a Climate Impact Atlas for Sint Maarten.**
- **Agreed on support for the development of a ‘Green’ zoning plan for Sint Maarten.**

This zoning plan aims to implement land use regulations for coastal areas, hillsides, waterbodies and areas prone to the effects of climate change.

- **Inventory list of possible climate adaptation options** – VU in the lead, in collab with University of Sin Maarten (USM) and Universities of VU, CUR and AUA.
- **Development of climate scenarios** - Creating climate scenarios for the Sint Maarten in collaboration with KNMI and the Meteorological department.



# Sint Maarten planned outputs for 2025

## 2. Through (EU funded) Green Overseas program: development of a Climate Change report

The overarching goal of the project is to enhance Sint Maarten's resilience to the impacts of climate change by exploring and understanding the island's vulnerabilities and adaptation needs. The project aims to develop a comprehensive Climate Change Report that serves as a foundational assessment of climate change impacts specific to Sint Maarten. This report will lay the groundwork for the subsequent development of a National Climate Change Adaptation Plan.

### Outputs

- **National Climate Change Report:** A comprehensive document that provides an in-depth analysis of climate change and its impacts on Sint Maarten, identifies key vulnerabilities, and suggests a range of adaptation measures and policy recommendations.
- **National Climate Change Adaptation Framework:** A strategic framework that lays the foundation for the subsequent development of a comprehensive National Climate Change Adaptation Plan for Sint Maarten.



# Sint Maarten planned outputs for 2025

## 3. Through (EU funded) RESEMBID program: Project CORENA (Coastal Resilience Needs Assessment)

### Outputs Q1 2025:

- **Socio Economic Valuation of coastal areas:** Report assessing the socio-economic values of the marine and coastal resources of Sint Maarten
- **Risk and Vulnerability Assessment:** Report assessing the marine and coastal risks and vulnerabilities of natural and human induced hazards
- **Stakeholder Consultation:** Report on the 'Future Search' conference conducted to create ambitions shared by all stakeholders and identify joint action for the future of coastal management.
- **Management plans:** Recommendations for coastal management to inform the development of an Adaptation and Area-Based (Spatial) Management Plan for the marine and coastal environment of Sint Maarten, including proposed zoning maps.
- **Capacity training**







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# Climate Table Bonaire







## Intro

- August 1, 2024 – Start of the Climate Table Bonaire Project Group
- Members of the project group:
  - Civil servants local govt
  - Civil servants national govt
  - Non-govt experts

The project group supports and advises the chairperson, Mr. Oleana, in the execution of his mandate from the Executive Council of Bonaire.



## Mandate /assignment

- The development of a climate intention and climate plan for Bonaire.
- Climate plan: a strategy with agreements and actions, for making Bonaire climate-resilient, looking at adaptation (primarily) and mitigation.
- Includes proposals for a climate resilience research agenda , and a monitoring framework for the agreements made.





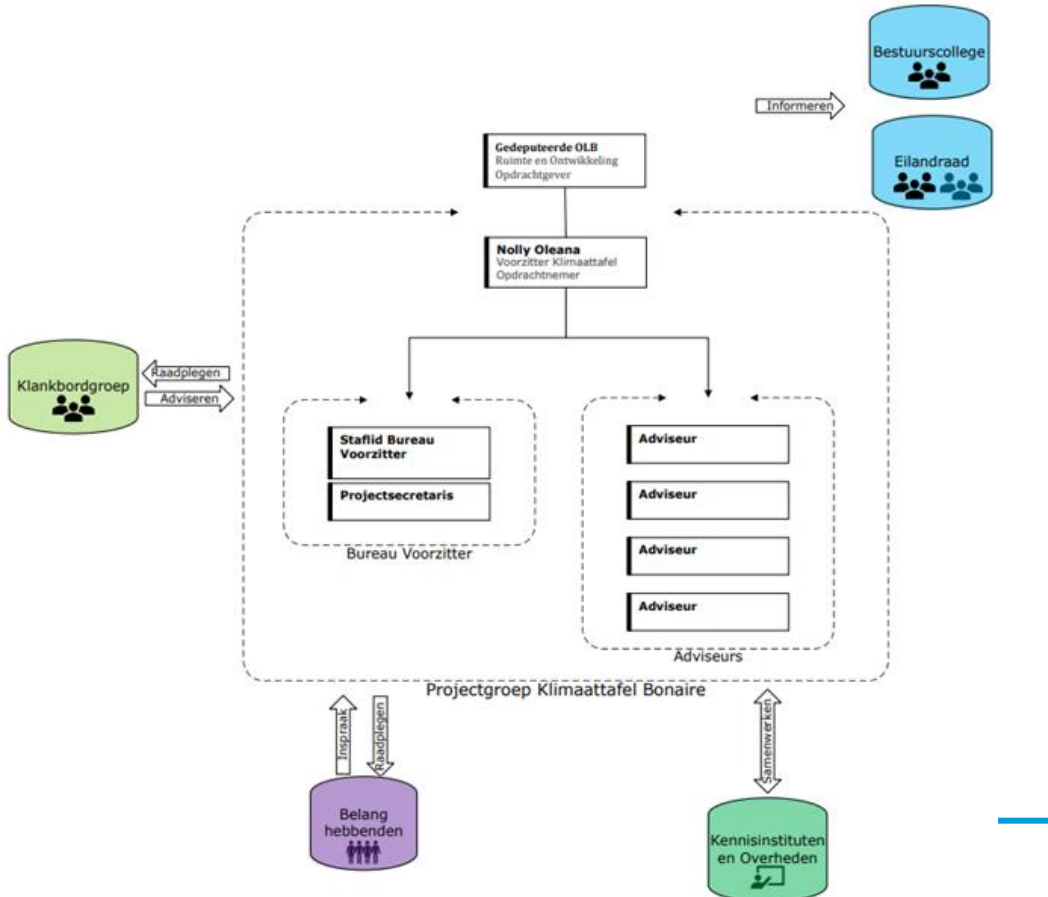
Plan van aanpak Projectgroep Klimaattafel Bonaire | 25 november 2024

**Plan van aanpak Projectgroep Klimaattafel Bonaire 2024-2026**  
Aanpak om te komen tot een klimaatintentie en klimaatplan voor Bonaire

## Plan of approach

Plan prepared by the project group:

- Steps to develop a climate intention and climate plan.
- Working method for the table discussions.
- The project group meets weekly.
- A climate intention by September 2025.
- A climate plan in the first quarter of 2026.



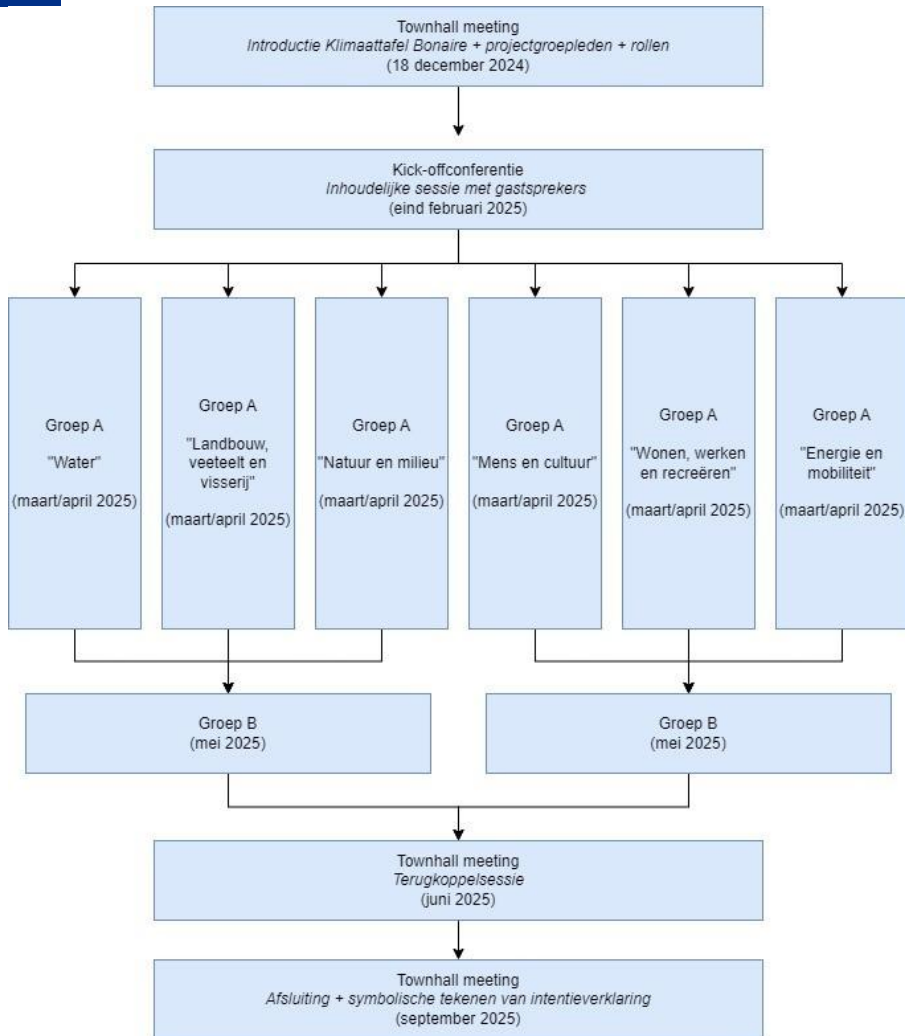
## Roles

- The chairperson has three tasks:
  - Setting up the Climate Table Bonaire to develop a climate intention and climate plan.
  - Ensuring societal support.
  - Communicating transparently and clearly.
- The project group has three tasks:
  - Organizing climate table discussions.
  - Mapping missing research data.
  - Stimulating a broad societal dialogue.



## Climate Table discussions

- During the table discussions, the project group aims to engage in a dialogue with a broad range of stakeholders.
- Six domains are identified, which will structure the Climate Table discussions:
  - Water
  - Agriculture, livestock, and fisheries
  - Nature and environment
  - People and culture
  - Housing, work, and recreation
  - Energy and mobility



## Planning

- **February 20, 2025**  
Kick-off conference
- **March 2025 – May 2025**  
Climate table discussions
- **June / July 2025**  
Feedback session
- **September 2025**  
Townhall meeting for the Climate Intention
- **First quarter 2026**  
Climate plan





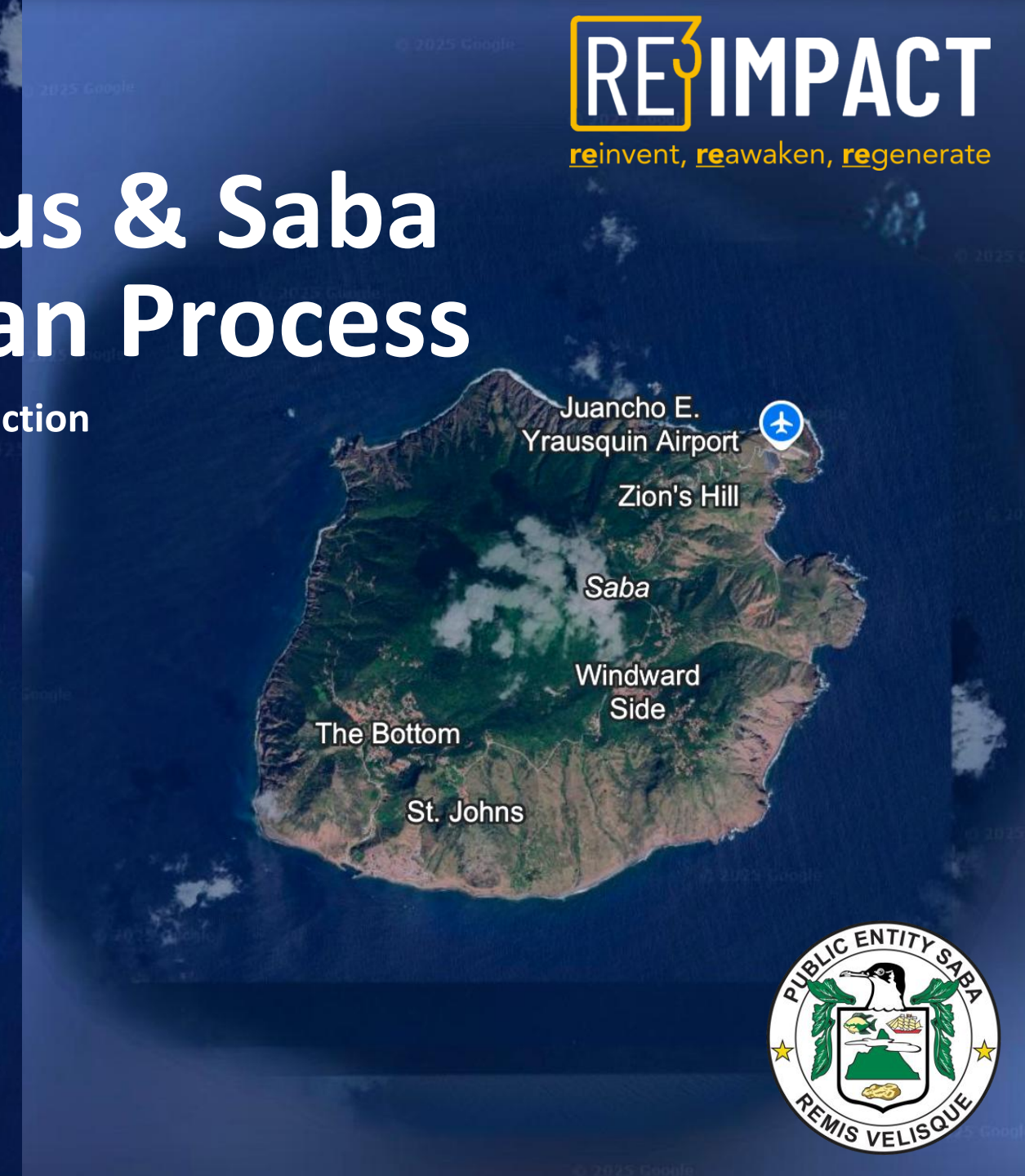
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# St. Eustatius & Saba Climate Plan Process

## Introduction



# Climate Plan Process

**Top-Down & Bottom Up Consultative Process**  
Participatory planning workshops and focus group will be used to develop the Climate Plan.

**Action-Orientated**  
The participatory development of a SMARTER Implementation Action Agenda.



**Contextualised**  
Identification of specific objectives, prioritised short, medium, and long-term goals and clear targets.

**Implementation-focused**  
Implementation GAP and SWOT Analyses to identify human, technical, financial resources required for implementation.





# Project Phases



- Project workplan
- Situational analysis
- Draft climate plan framework



Development and delivery of participatory planning **town halls, workshops & focus group sessions**

▼  
Draft Climate Plan

▼  
Climate Plan Virtual Validation Workshop

▼  
Final Climate Plan



Development and delivery of participatory planning **town halls, workshops & focus group sessions**

▼  
Draft Action Agenda

▼  
Action Agenda Virtual Validation Workshop

▼  
Final Action Agenda



- Public Launch event and campaign
- Youth engagement planning
- Youth climate hackathon





# Proposed Framework

## National Climate Adaptation Implementation Programme (NUPKA)

One goal

To accelerate climate resilience in the Netherlands

3 principles

**Smarter**  
knowledge is accessible and applicable

SIDS knowledge, practice, network

**More systemic**  
adaptation is mainstreamed into all policies and developments

**More inclusive**  
adaptation for and by all

15 key challenges for adaptation

Building self-sufficiency

Regional resilience planning

**Water**

- Well-protected against flooding
- Sponge cities
- Future-proof freshwater supply
- Good water quality

Storm/Hurricane management

Erosion management

Stormwater retention

**Agriculture, nature and the environment**

Climate resilient agriculture, fisheries and animal husbandry

- Climate-resilient nature
- Well-protected hazardous industries

Climate resilient integrated coastal (Ridge-to-Reef) zone management

Climate resilient Blue & Green Economic Development

**People and culture**

Efficient/Low-cost/Green cooling

- Heatproof cities
- Staying healthy in times of climate change
- Well-protected cultural heritage

Poverty, social inequality & the economic burden of climate change

Cultural alignment

population demographics

**Working and living**

Harnessing Climate Change Opportunities

- Green climate-adaptive new developments
- Climate-resilient housing for all
- Green and healthy working landscapes
- Strong and resilient infrastructure
- Climate-adaptive waterways

Resilient Livelihoods

traditional land ownership

Ecosystem services

Affordable climate-proof utilities (waste, water, energy)

### 8 CLIMATE AGENDA PRIORITIES

- Expanding renewable energy;
- Developing climate-resilient infrastructure and spatial planning;
- Improving water and waste management;
- Stimulating sustainable circular economies;
- Strengthening ecosystem protection;
- Providing financing and economic incentives;
- Promoting collaborative partnerships and knowledge sharing; and
- Developing robust monitoring and evaluation frameworks.

5 priorities

1 To develop concrete adaptation targets

2 To increase accessibility and applicability of knowledge products

3 To increase attention to climate justice

4 To mainstream adaptation into all policies and implementation

5 To explore opportunities to expand adaptation finance

Investment Mechanisms/Climate Bond



## 4. Discussion and Questions





## 5. Identifying overarching efficiencies

- What are the components from the other island adaptation plans that may be of interest in your own process?
- What would you need to explore if that component could be incorporated in your process?





## 6. Next meetings and wrap-up

- Frequency of future meetings with focal point
- Potential IPDC side-event at the CCEC in May



# Contact



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