1ST GENERAL NCRC MEETING

JUNE 28, 2024





MEETING AGENDA

JUNE 28, 2024





Ministry of Transport, Integrity Nature and Senior Affairs

SECTION 1: 1st General Meeting of the NCRC (Executive Level)

by Minister Ursell Arends

9.30am - 9.45am

9.45am - 10.30am

Charting Climate Resilience Pathways by Dr. Ryan Peterson, NCRC Chair

Aruba's Climate Strategy & Roadmap

COFFEE BREAK

SECTION 2: CORVI Aruba (including CORVI Aruba Partners)

- 11.00am 11.05amWelcome CORVI Partnersby Minister Ursell Arends
- 11.05am 11.25amCORVI Aruba, Stimson Centerby Sally Yozell & Tracy Rouleau

11.25am - 11.55am

Open discussion / Q&A

11.55-am - 12.00pm

Concluding Words by Minister Ursell Arends

ARUBA'S CLIMATE STRATEGY & ROADMAP

2022-2030





Ministry of Transport, Integrity, Nature and Senior Affairs

WHAT COULD IT MEAN FOR US?

CLIMATE CHANGE & ARUBA

HERE'S WHAT WE KNOW SO FAR...



Temperature rise in Aruba – Past Trends & Projections

(DMA, 2020; Peterson, 2020; IMF, 2023)

2000 2010 2020 2030 2040 2050

1960 1970 1980 1990

e Change (Celsius) mperatur

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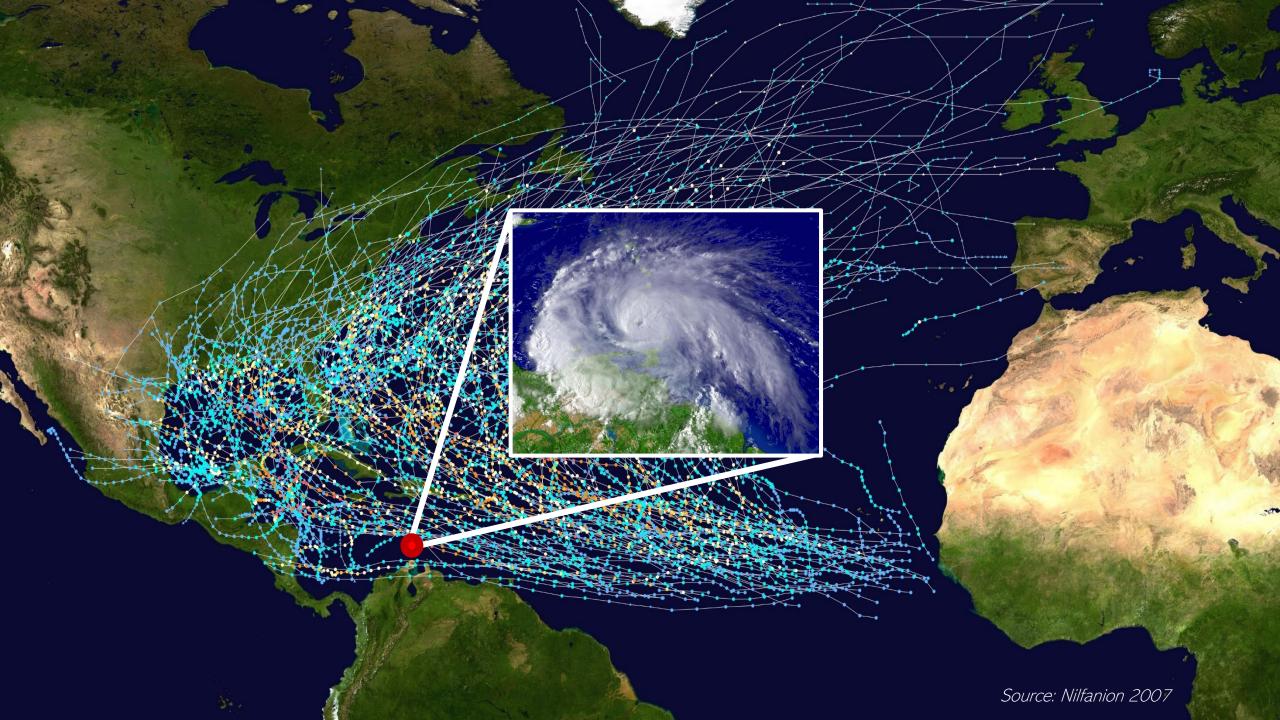
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2

0.5

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1950



The direct and indirect impacts of climate change for Aruba

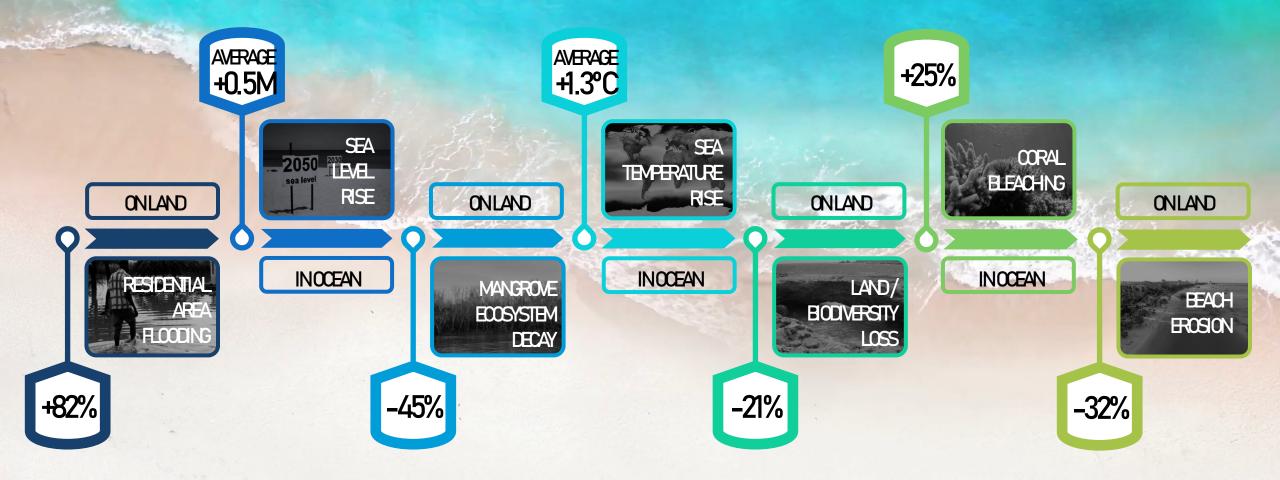
Rain fall, storm surges, and flooding zones (Peterson, 2020; Croes, 2022; Adapted from CBS, 2016).

Legend: Light and dark blue dots indicate pre-existing flooding risk zones due to precipitation. estad Santa Cruz Flooding and loss of land in a scenario +1 meter sea-level rise (Peterson, 2020; Croes, 2022).

> Legend: purple areas indicate loss of land in simulating +1 meter sea level rise (2050).

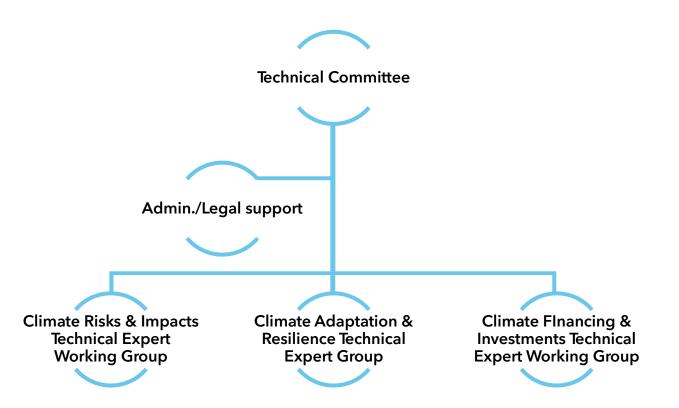
Other climate effects (1960-2018)

(Bueno et al., 2008; CBS, 2016; ECLAC, 2013; Peterson, 2020; UNDP, 2010)



National Climate Resilience Council*





*NCRC based on new 'climate quintet' model, created by the NCRC Chair

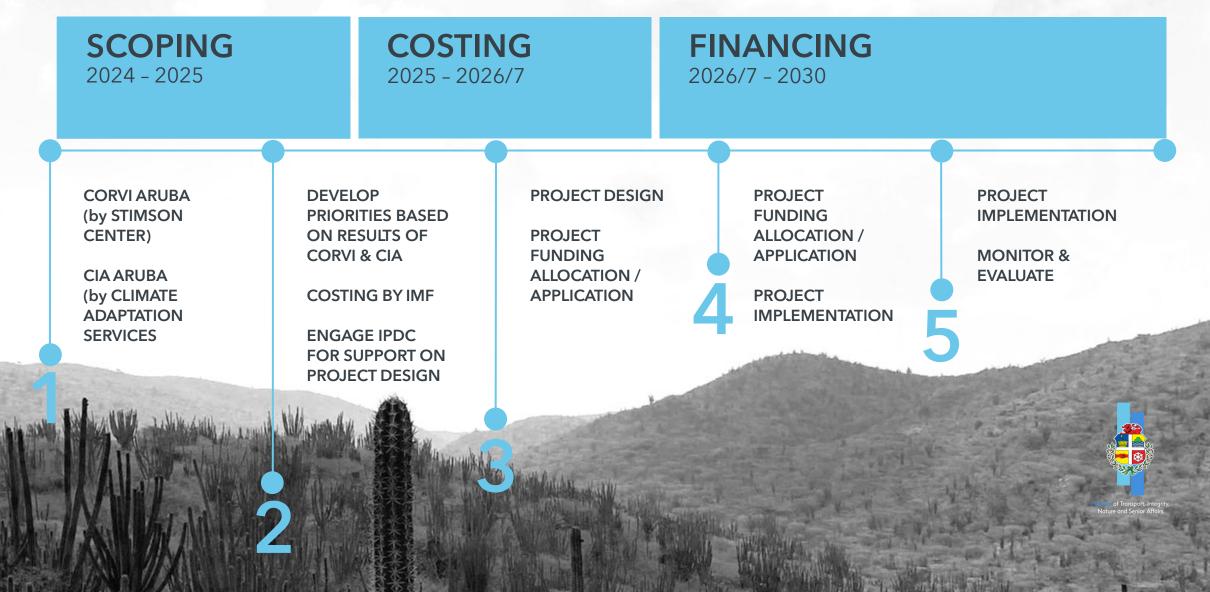
ARUBA'S CLIMATE ROADMAP



NATIONAL COLLABORATION THROUGH NCRC



TIMELINE



THANK YOU

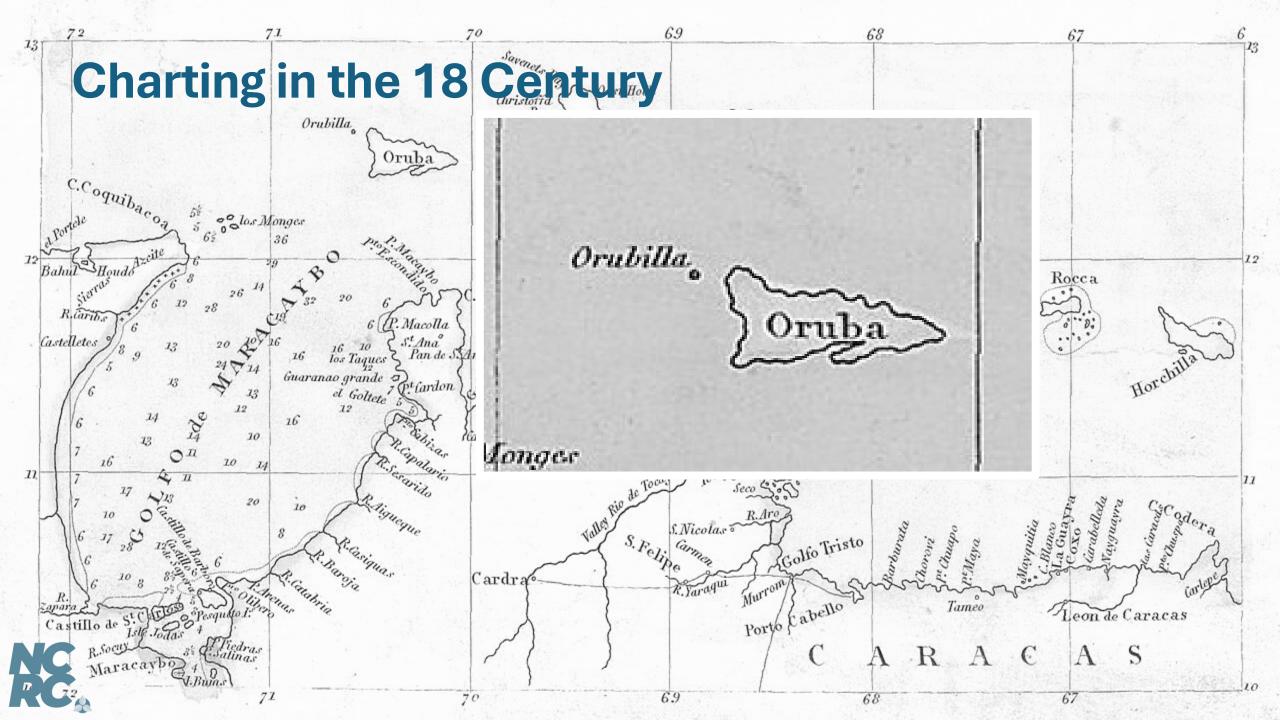


Charting Climate Resilience Pathways for Aruba

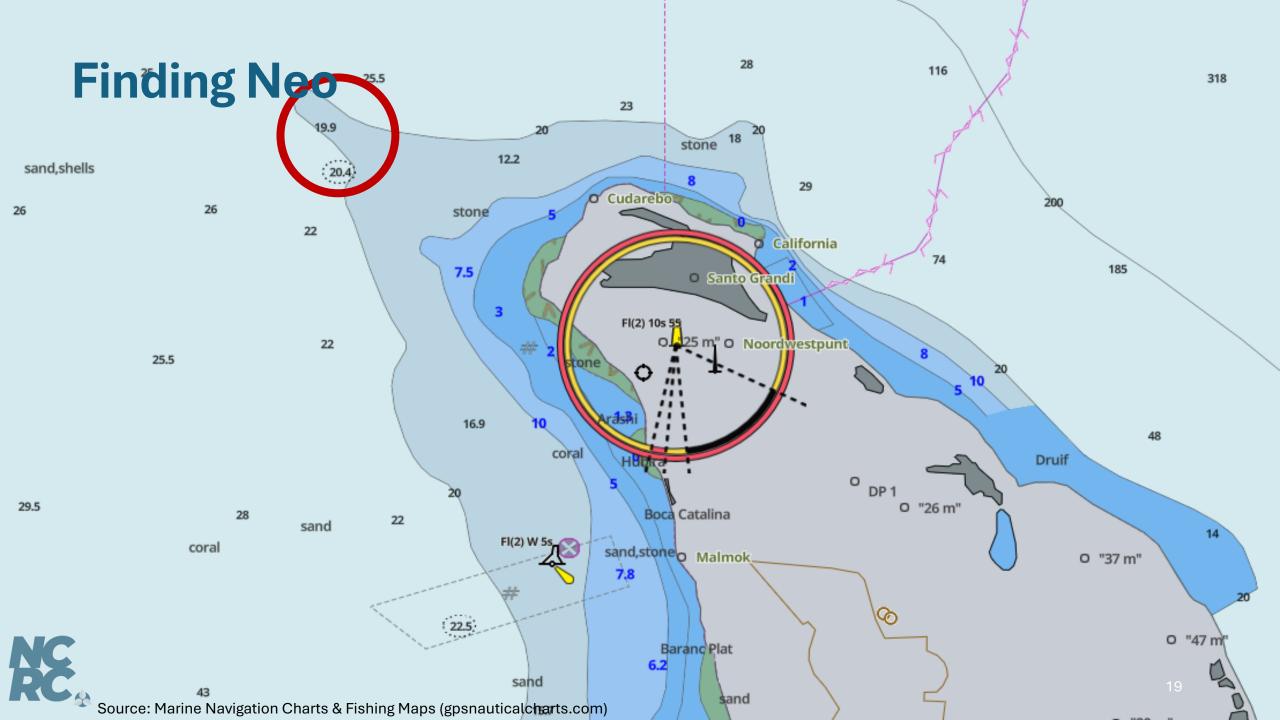
Dr. Ryan R. Peterson Chair, National Climate Resilience Council ncrc-aruba.org



Disclaimer: The views expressed in this presentation are those of the author and not necessarily of the Centrale Bank van Aruba, the Government of Aruba, nor any other public, private, non-governmental, academic and civic institution.



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Understanding Climate Risks & Small Island Vulnerabilities

Vulnerability

Sensitivity

Adaptive Capacity

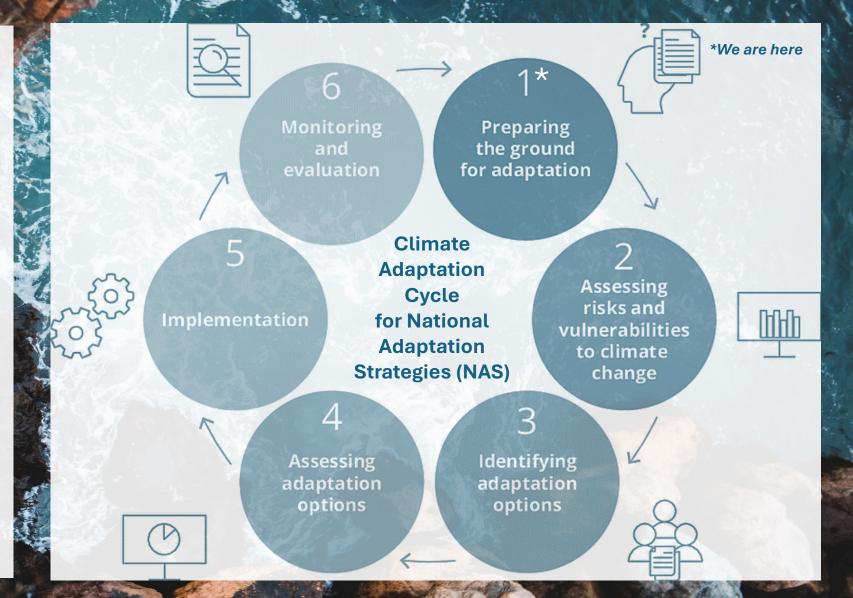
Exposure



"Planned anticipatory adaptation reduces climate-induced vulnerabilities and realizes (socioeconomic) opportunities associated with climate change.

Implementation of adaptation policies, programs, and measures are likely to be effectively implemented if they are consistent with or integrated with (policy) decisions or programs that address non-climatic stresses.

Enhancement of adaptive capacity is a necessary condition for reducing vulnerability and realizing benefits, particularly for the most vulnerable regions and socioeconomic groups."



Source: IPCC (2022). Climate Change 2022: Impacts, Adaptation and Vulnerability

Strategic Pathways & Supporting Pillars



I. Climate Risks & Impacts



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II. Climate Adaptation & Resilience

III. Climate Finance & Investments

Climate Legislation Climate Governance Climate Analytics & Research Climate Resilient Aruba 2050

Climate & Ocean Risk Vulnerability Index (CORVI)

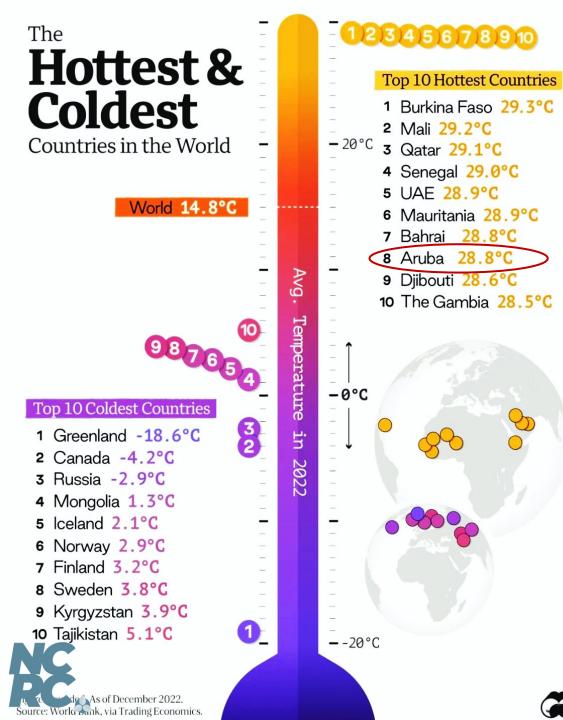
Ecological risks

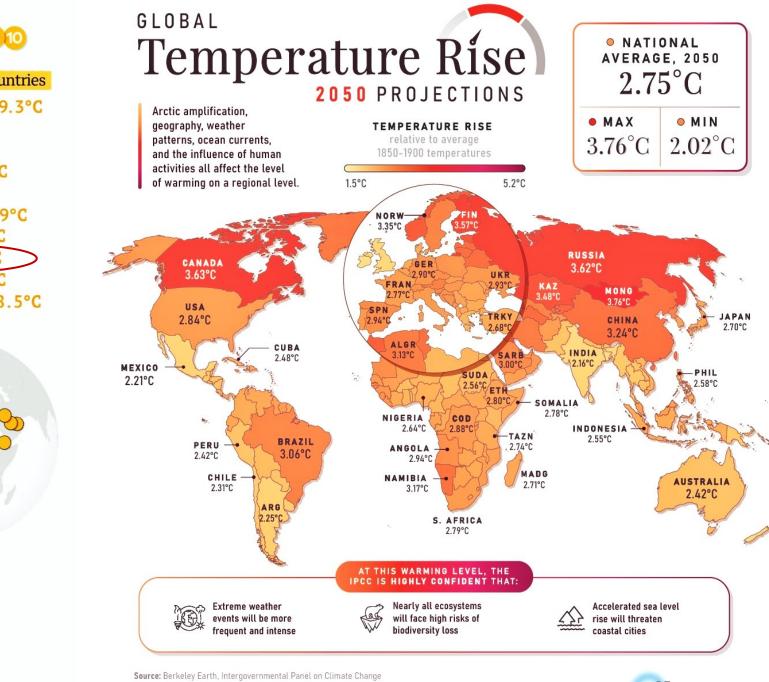
(Climate, Ecosystems, Fisheries, Geology, Water)

Economic risks

(Macroeconomics, Infrastructure, Major industries) Social risks (Governance, Social demographics, Health)

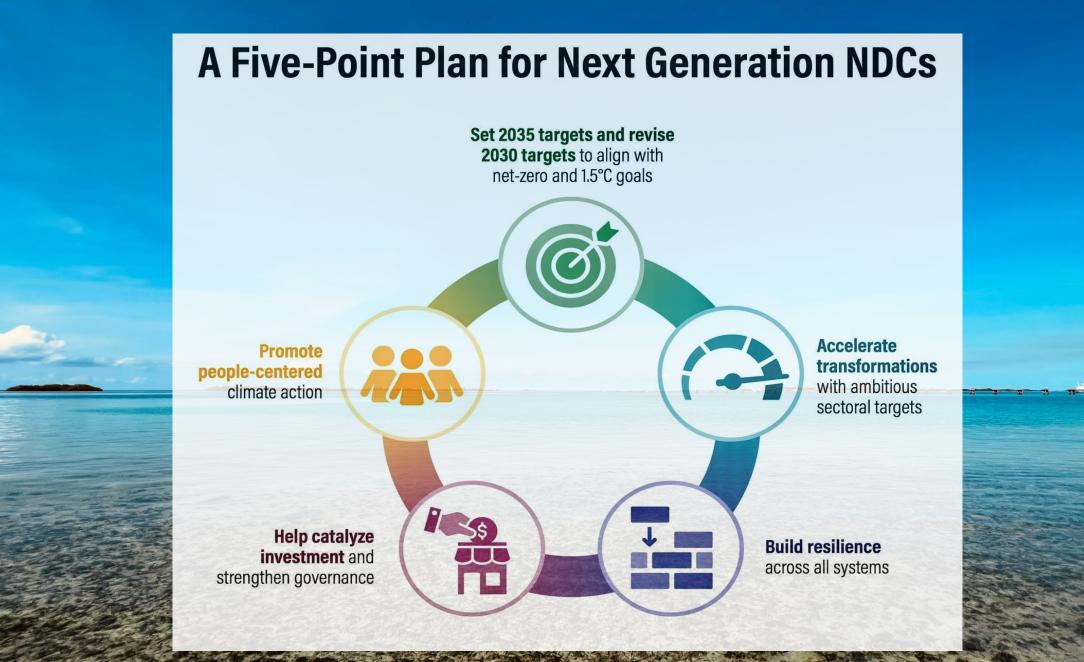
Source: Stimson Center (2022). The climate and ocean risk vulnerability index: Measuring coastal city resilience to inform action.





This map shows warming projections based on the IPCC's "middle-of-the-road" scenario (titled SSP2-4.5), which is the closest to expected emissions under current policies.

Projection data provided by BERKELEY 247TH.



Aruba Climate Impact Atlas (CIA)

Maps Map explanations The map viewer for Aruba The map explanations contains all the maps with a provide background brief explanation. information to the main EAGLE BEACH maps. Read more Read more **Climate statistics Stories** Information on KNMI climate The stories provide scenarios for temperature, illustrative narrath precipitation and sea level climate impact/ and potential solv ions. Read more Read



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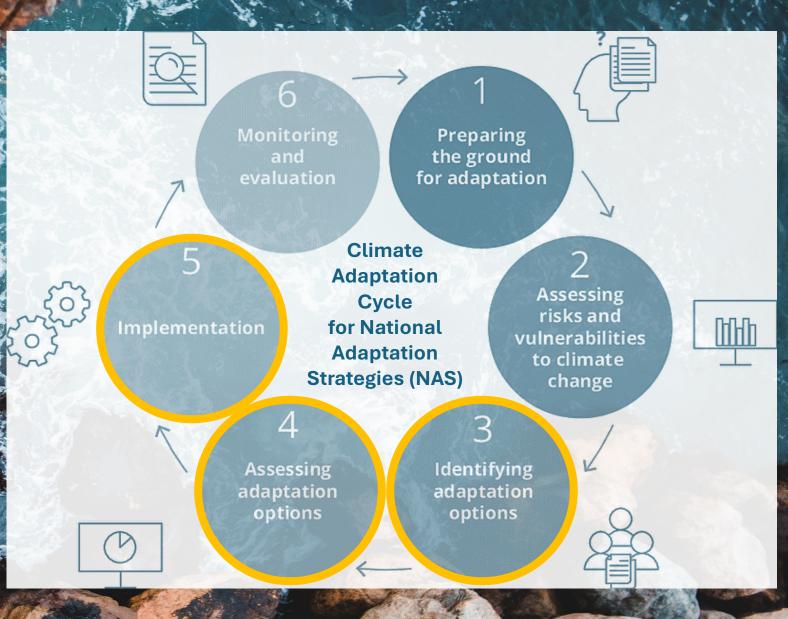
Paradera

Santa Cruz

Savaneta

Cura Cabai

Climate Adaptation, Financing & Resilience Building



Source: IPCC (2022). Climate Change 2022: Impacts, Adaptation and Vulnerability

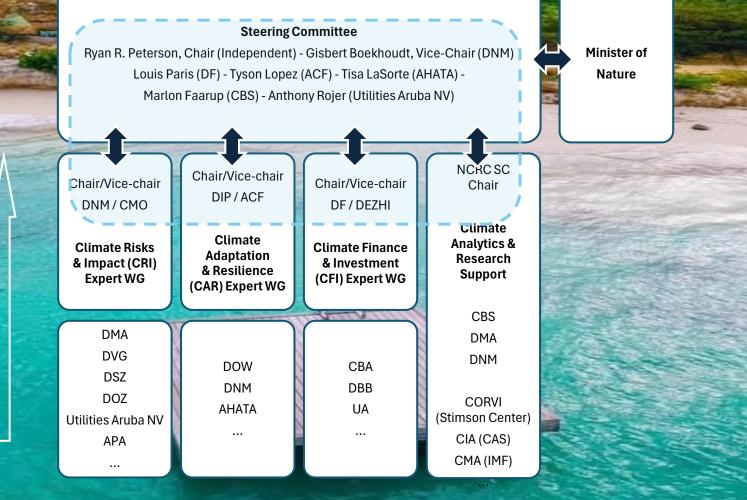
Resilience Rating System for Climate Adaptation

Resilience Rating System resilience of resilience through RESILIENCE the project the project The project has conducted The project is a development RATING a basic climate and project that increases local disaster risk screening incomes, reduces poverty, or and provides a qualitative provides beneficiaries with estimate of residual risks improved infrastructure or SYSTEM and a justification for the financial services. level of risk. The project has The project includes resilience-building activities conducted a multi-model в A Methodology for Building and risk assessment and and reduces identified considered adaptation vulnerabilities (adaptation Tracking Resilience to Climate Change options of identified risks. co-benefits). Synthesizing Key Lessons from IDA19 Piloting The project has conducted The project is transformational a quantitative stress test to in improving resilience, with ensure that plausible risks impacts beyond direct outputs through improved institutions, do not make it economically unviable. policies, incentives, technologies, or capacities. Rating + Rating + The project explicitly discusses the The project monitors and tracks the possibility of unexpected impacts and progress of resilience-building activities performs a systematic analysis of through at least one climate indicator uncertainties that informs contingent that is embedded in the project's planning in case of upanticipated changes monitoring and evaluation strategy



NCRC Climate Quintet Platform

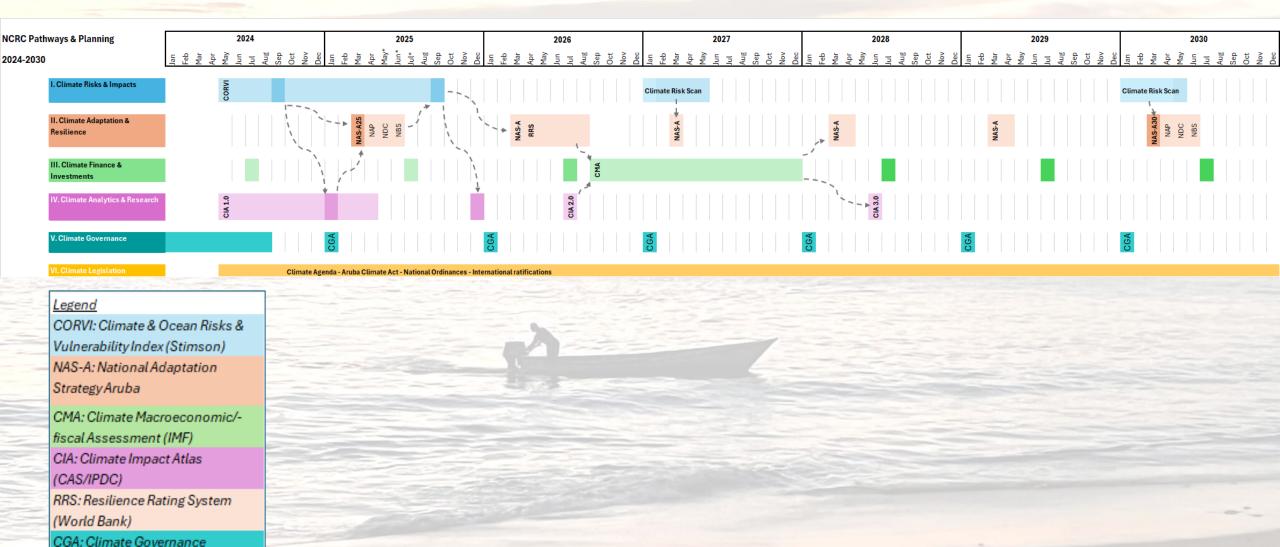
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Source: NCRC Governance Charter (2024).

Charting Climate Resilience Pathways 2024 – 2030

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Assessment (Oxford)

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NCRC Pathways & Planning		2024					2025							2026								2027										
2024-2030		Jan Feb Mar	May	un Jur	Aug	oct Oct	Dec	Jan Feb	Mar	Apr Mav*	hunt *	*lu(Aug Sep	Oct Nov	Dec	Jan Feb	Mar	Apr Mav	nn n	Jul	Sep	Nov Nov	Dec	Jan Feb	Mar	Apr	May	un Inf	Aug	Sep 0t	Nov	1
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	II. Climate Adaptation & Resilience					\	``		NAS-A25	NAP	NBS	-}	*		1		NAS-A	RRS		,					NAS-A							
	III. Climate Finance & Investments						Ì	/	,						1						CMA											
	IV. Climate Analytics & Research		CIA 1.0					¥ 1							ţ					CIA 2.0	R 											
	V. Climate Governance							CGA								CGA								CGA								

/I. Climate Legislation

Climate Agenda - Aruba Climate Act - National Ordinances - International ratifications

Legend CORVI: Climate & Ocean Risks & Vulnerability Index (Stimson) NAS-A: National Adaptation Strategy Aruba CMA: Climate Macroeconomic/fiscal Assessment (IMF) CIA: Climate Impact Atlas (CAS/IPDC) RRS: Resilience Rating System (World Bank)

CGA: Climate Governance Assessment (Oxford)

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Quests & Questions

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Dr. Ryan R. Peterson Chair, National Climate Resilience Council ncrc-aruba.org