NAP and NAP-Ag SVG National Adaptation Plan of Saint Vincent and the Grenadines

NAP Assembly, Kingstown, 10th April 2018

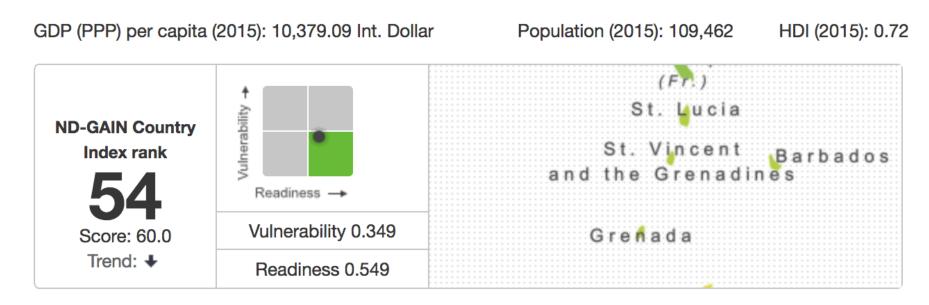




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St Vincent & Grenadines



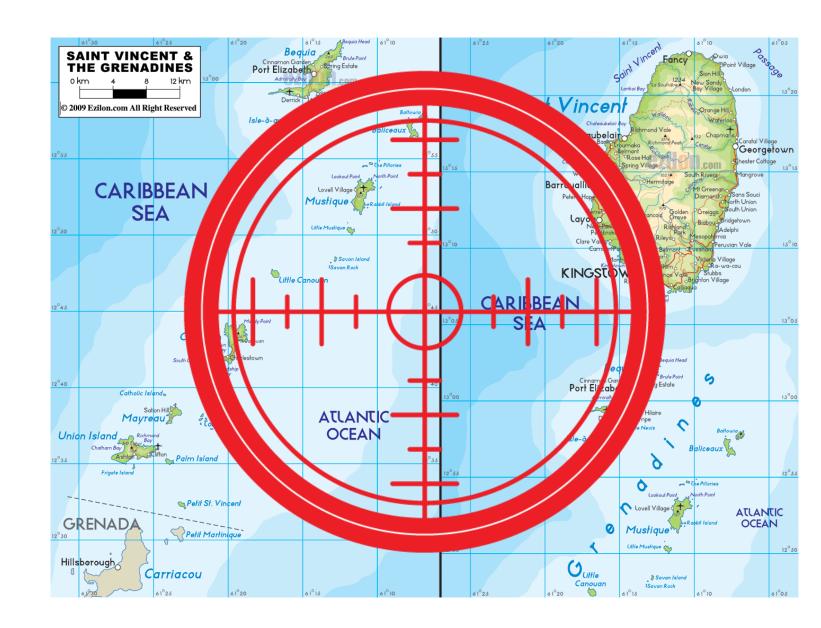
The low vulnerability score and high readiness score of St Vincent & Grenadines places it in the lower-right quadrant of the ND-GAIN Matrix. Adaptation challenges still exist, but St Vincent & Grenadines is well positioned to adapt. St Vincent & Grenadines is the 56th least vulnerable country and the 56th most ready country.



NAP'S OBJECTIVES

Reduce vulnerability

Integrate (= mainstream)
climate change adaptation
into new and existing
development planning
processes, within all
relevant sectors and levels



NAP PROCESS



NATIONAL ADAPTATION PLANS

TABLE OF STEPS, BUILDING BLOCKS AND SAMPLE OUTPUTS UNDER EACH OF THE FOU ELEMENTS OF THE NAP PROCESS

	Steps	Checklist of building blocks	Sample NAP outputs
•			
(0)	Element A. Lay the groundwork and address Gaps		
	1. Initiating and launching of the NAP process	Briefing on NAP process	Mandate for the NAP process Framework and strategy for climate change adaptation Funded project to support operations of the NAP process Road map for the NAP process
	Stocktaking: identifying available information on climate change impacts, vulnerability and adaptation and assessing gaps and needs of the enabling environment for the NAP process	Stocktaking of adaptation activities Bynthesis of available knoweldge on impacts, vulnerability and adaptation Capacity gap analysis Barriers analysis	Report on synthesis of available information Geospatial database in support of the NAP process Knowledge-base of observed climate impacts, vulnerabilities and potential interventions Gap and needs analysis report Barrier analysis report
	Addressing capacity gaps and weaknesses in undertaking the NAP process	Bulding institutional and technical capacity Opportunities for integrating adaptation into development Programmes on dimate change communication, public awareness-raising and education	 Strategy document(s) for capacity-building, awareness-raising, communication and education NAP website
	4. Comprehensively and iteratively assessing development needs and climate vulnerabilities	Compile development objectives, policies, plans and programmes Synergy between development and adaptation objectives, policies, plans and programmes	 Report on stocktaking of development/adaptation activities Report on approaches for ensuring synergy between development and adaptation
	Element B. Preparatory elements		
	Analysing current climate and future climate change scenarios	☐ Analysis of current climate ☐ Future climate risks and uncertainty/Scenario analysis ☐ Communicating projected climate change information	Report on climate analysis Report on climate risks/Projected climate changes Strategy for climate information services
	Assessing climate vulnerabilities and identifying adaptation options at sector, subnational, national and other appropriate levels	Climate vulnerability assessment at multiple levels Ranking climate change risks and vulnerabilities Scoping adaptation options	» Vulnerability and adaptation assessment report
	3. Reviewing and appraising adaptation options	Appraisal of adaptation options	Report on appraisal of adaptation options Sectoral and subnational plans or strategies
	4. Compiling and communicating national adaptation plans	☐ Draft national adaptation plans ☐ Finalize NAPs and process endorsement ☐ Communicate NAPs at national level	 Draft NAPs for review Endorsed NAPs
	 Integrating climate change adaptation into national and subnational development and sectoral planning 	Opportunities and constraints for integrating climate change into planning Building capacity for integration Integration of adaptation into existing planning processes	 Report on integration of adaptation into development
(<u>.</u> .)	Element C. Implementation strategies		
	Prioritizing climate change adaptation in national planning	 □ National criteria for prioritizing implementation □ Identify opportunities for building on existing adaptation activities 	 Report on prioritization of adaptation in national development
	Developing a (long-term) national adaptation implementation strategy	☐ Strategy for adaptation implementation ☐ Implementation of NAPs through policies, projects and programmes	» Implementation strategy for the NAPs
	Enhancing capacity for planning and implementing adaptation	☐ Strengthening long-term institutional and regulatory frameworks ☐ Training at sectoral and subnational levels ☐ Outreach on outputs nationally & promotion of international cooperation	National training and outreach programme(s)
	4. Promoting coordination and synergy at the regional level and with other multilateral environmental agreements	□ Coordination of adaptation planning across sectors □ Synergy at the regional level □ Synergy with multilateral environmental agreements (MEAs)	 Report on regional synergy Report on synergy with MEAs
	Element D. Reporting, monitoring and review		
	1. Monitoring the NAP process	□Identify (few) areas of the NAP process to monitor progress, effectiveness and gaps (PEG) □Define metrics for documenting PEG □Collect information throughout the NAP process to apply the metrics developed	Metrics report/Monitoring Plan Database of metrics
	Reviewing the NAP process to assess progress, effectiveness and gaps	☐ Synthesis of new assessments & emerging science and the results and outcomes from implemented adaptation activities ☐ Evaluate metrics collected to assess progress, effectiveness and gaps of the NAP process	» Evaluation report
	3. Iteratively updating the national adaptation plans	☐ Repeat some steps and update NAPs and related documentation ☐ Production of updates to the NAP outputs aligned with relevant national development plans	» Updated NAPs
	4. Outreach on the NAP process and reporting on progress and effectiveness	☐ Disseminate the NAPs and related outputs to the UNFCCC secretariat and others ☐ Provide information in national communications on progress in and effectiveness of the NAP process	 Progress report and information in national communications

NAP STEPS

- A. LAY THE GROUNDWORK AND ADDRESS GAPS
- **B. PREPARATORY ELEMENTS**
- C. IMPLEMENTATION STRATEGIES
- D. REPORTING, MONITORING AND REVIEW

[SECTOR STRATEGY AND INVESTMENT PLAN]





NAP'S PROCESS CHARACTERIZATION

Flexible

- Non-prescriptive
- Countries select steps and approaches

Country-owned, country driven

- Driven by national needs and priorities
- National coordinating mechanism and mandate

Based on a learning, monitoring and evaluation process

Integrated

- Mainstream adaptation into development planning and budgets
- Iterative, building on existing efforts, improving coordination
- Transparent, participatory, gendersensitive

Improved climate risk management

- Define pipeline of interventions
- Align funding from all sources







SVG CONTEXT AND SCOPE OF WORK

UNDP, together with the Government of Japan, is providing assistance to SVG to support the integration of climate change consideration into their national and sectoral planning and budgeting processes, which are consistent with the provisions of the UNFCCC for the development and implementation of National Adaptation Plans (NAPs).

It is envisaged that this work will contribute to ongoing national efforts as well as the regional effort towards the mainstreaming of adaptation actions into the development framework, support concrete actions for inclusion in national fiscal space and greater access to international finance for implementation of priority actions.

SVG CONTEXT AND SCOPE OF WORK

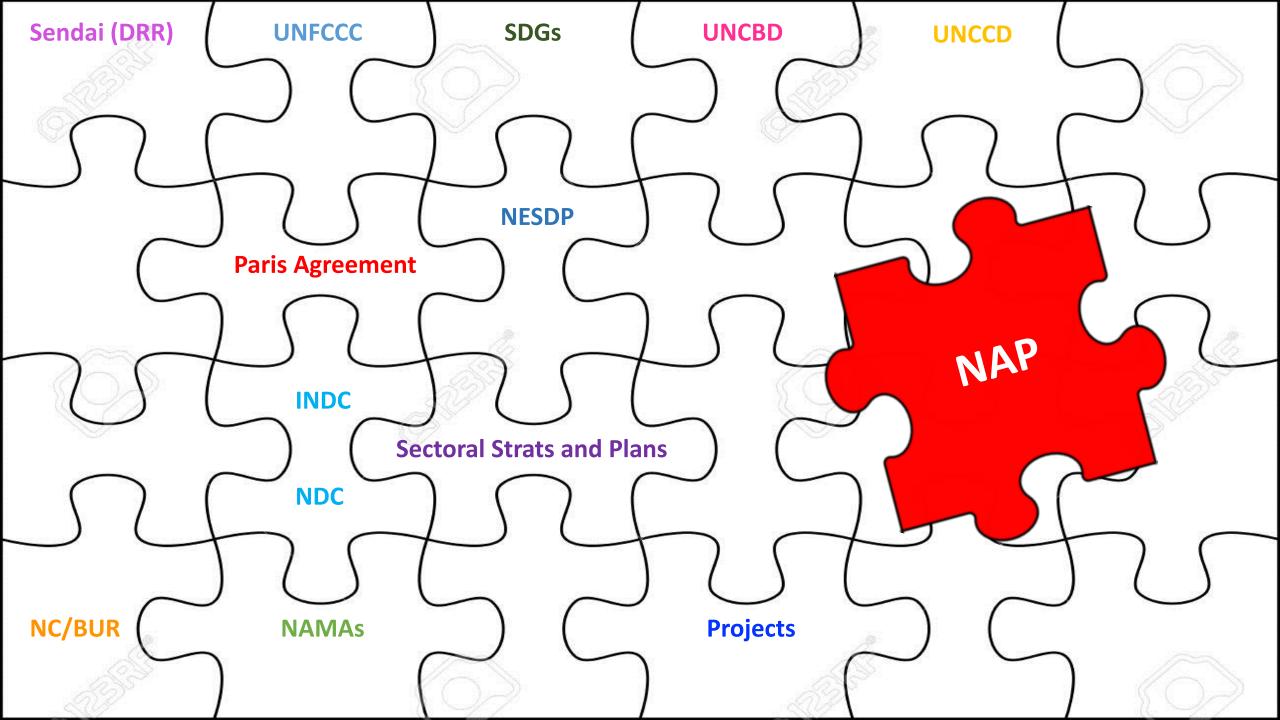
Design and develop an overarching NAP for SVG inclusive of a NAP roadmap and investment strategy for the sector identified



SVG CONTEXTAND SCOPE OF WORK

1. Stocktaking and gap analysis	Element A, step 2
2. Identification of NAP mandate	Element A, step 1
3. Prioritization of Key Sectors	Element C, step 1
4. Formulation of NAP strategy and roadmap	Element A, step 1 and Element C, step 2
5. Undertake climate risk and vulnerability assessment	Element B, step 1 and 2
6. Development of National Adaptation Plan	Element B, step 2, 3,4 and 5 and Element D



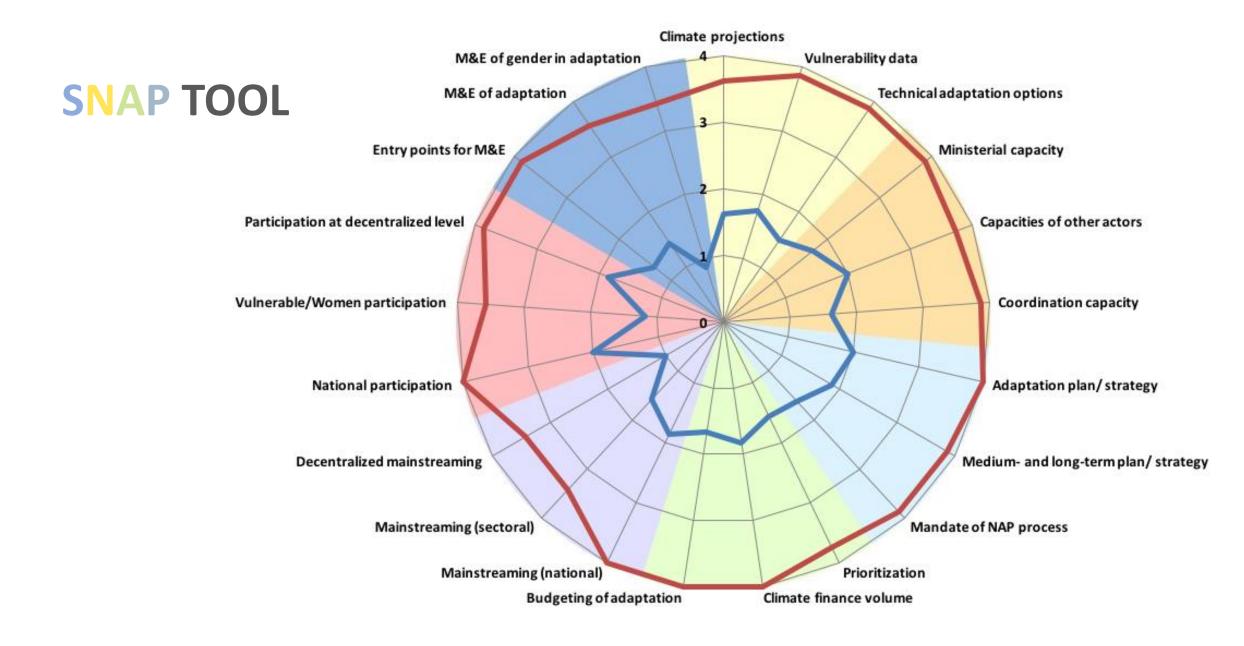




The stakeholders' consultation and validation were done using direct interviews in bilateral meetings, written requests by email and participatory methodologies used in workshops. The relevant stakeholders were also invited to validate the project's deliverables by providing written comments.

- Five missions
 - 1. 29 May to 2 June 2017: one-on-one consultations with key stakeholders towards an understanding of the proposed activities and to obtain the information necessary for the NAP assessment report. Use of the Stocktaking NAP tool
 - 27 July to 4 August 2017: two-day workshop for technicians (36 participants, 16 women) and a one-day working session for decision-makers (25, 12w) to inform the assessment report and prioritize sectors
 - 3. 31 October to 10 November 2017: participation in NAP Domestic Financing Strategy's meetings with certain stakeholders and agriculture representatives, to collect information and conduct a field visit to crop fields and livestock facilities
 - 4. 12 to 19 March 2018: fisheries consultation (21, 4w) and visit, crops and livestock meeting (10, 3 w) and final consultation session which connected the agriculture sector with the overarching NAP, validating the approach and the mission, vision, objectives, pillars, time horizon and action plan for the first phase of the NAP-Ag (26, 14w)
 - 5. 10 April 2018: NAP Assembly





internal (or present)

external (or future) S

STRENGTHS

W

WEAKNESSES

0

OPPORTUNITES

T

THREATS



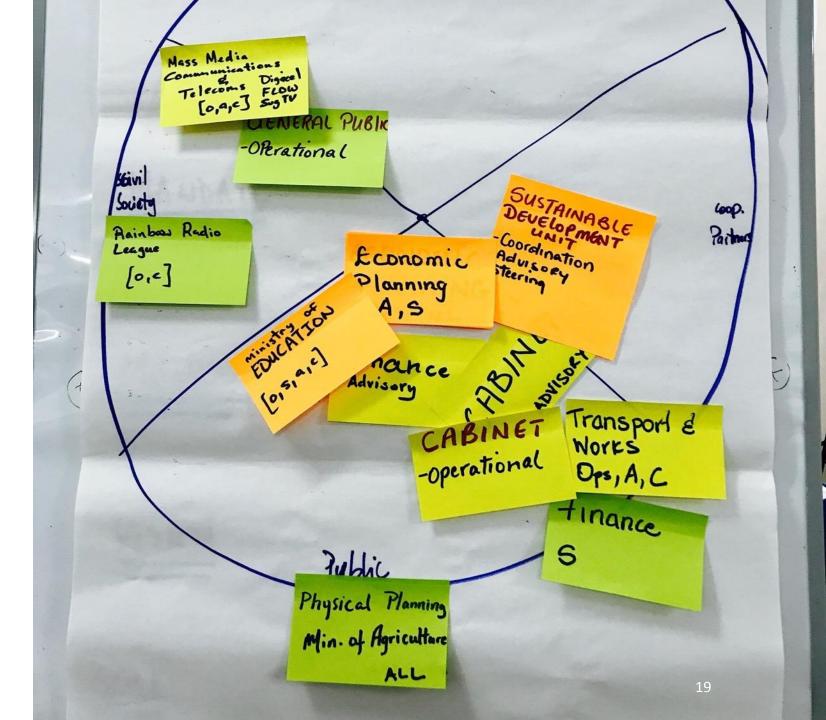
MANDATE

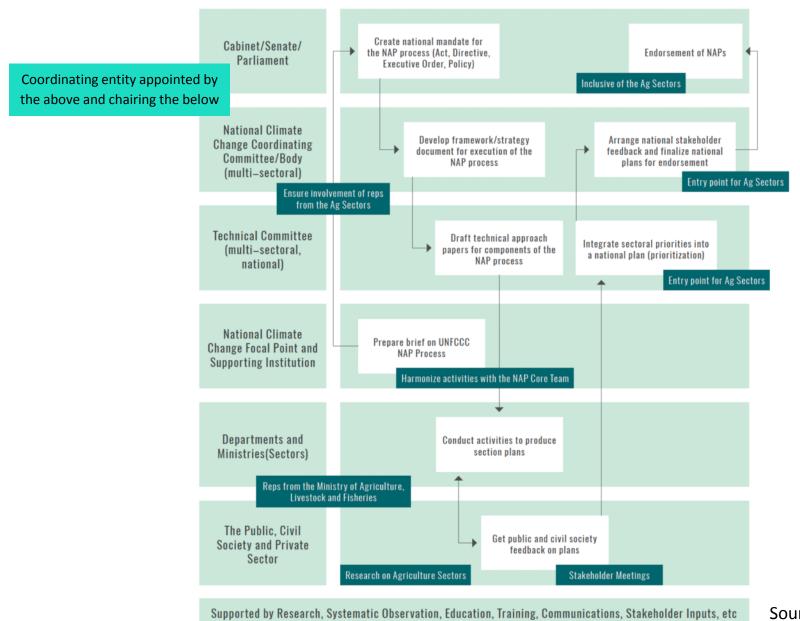
TO DEFINE A STRATEGIC ROADMAP TO MAINSTREAM CCA INTO DEVELOPMENT PLANNING AND IMPLEMENTATION



INSTITUTIONS FOR THE NAP

- The Sustainable Development Unit (SDU) is to have a pivotal role
- All public sectors to be engaged, including the Cabinet
- The private sector, academy and civil society have to be engaged, including the media
- Proposal: National Climate Change Committee to coordinated by SDU with focal points at two levels (technical and SPs'). This discussion has to be postponed once it will be addressed in the CC Policy to be delivered



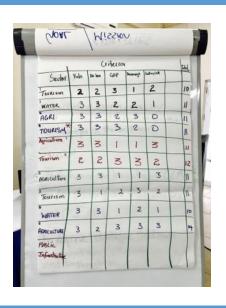




PRIORITIZATION OF KEY SECTORS

Using MultiCriteria Analysis (Vulnerability, Number of Beneficiaries, Contribution to GDP, Recovery time and Cost) during technical workshop and then the validation of the decision makers

- **1. Agriculture** (including Crops, Livestock and Fisheries)
- 2. Tourism
- 3. Water
- 4. Health and
- 5. Public infrastructure









(2030) TO BE A LEADER BY HAVING A SOCIETY, ENVIRONMENT AND ECONOMY THAT IS RESILIENT TO CC

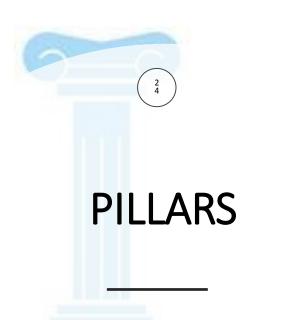


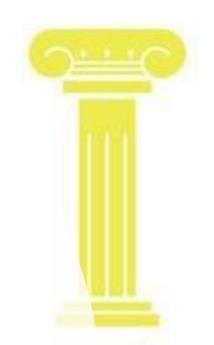
TO MAINSTREAM CCA INTO DEVELOPMENT PLANNING AND IMPLEMENTATION

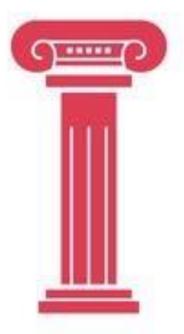


A CLIMATE SMART REVITALIZED AND MODERNIZED AGRICULTURE SECTOR THAT IS CONTRIBUTING TO FOOD AND NUTRITION SECURED NATION AND ENABLING SUSTAINABLE ECONOMIC GROWTH AND DEVELOPMENT OF SVG WITH PARTICULAR EMPHASIS ON RURAL COMMUNITIES









- Institutional framework
- Knowledge, technology and \$
- Resilience of the most vulnerable



STRATEGIC OBJECTIVES

- 1. Promote an enabling environment to facilitate the mainstreaming of CCA in the planning, budgeting and implementation processes of public and private sectors, civil society and academy by strengthening the governance structures to enable CCA and DRR (when they overlap), including for identification, implementation, monitoring and evaluation and communication of adaptation actions
- 2. Improve the capacity for data and information collection, management and sharing, determination of disaster and climatic risk and access to technology and financing
- 3. Implement adaptation actions towards an increased resilience of the most vulnerable Vincentians.



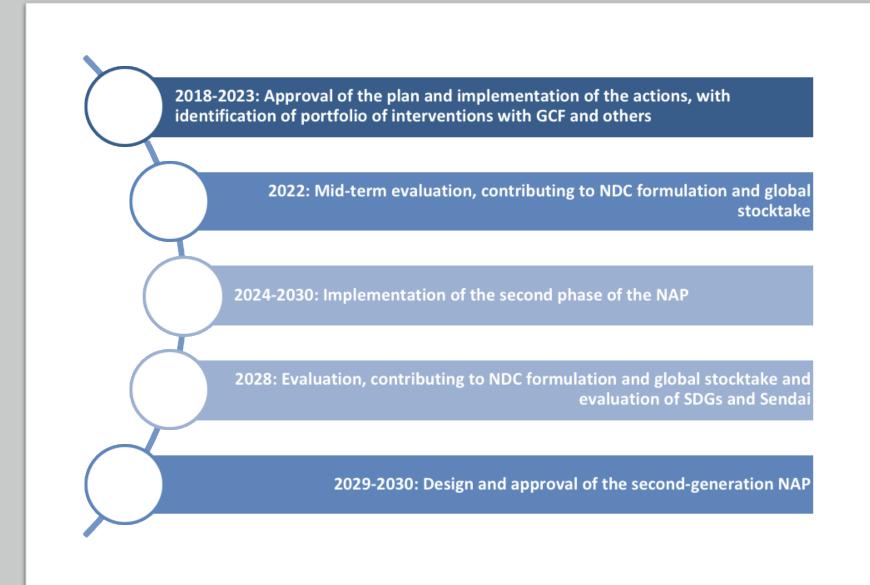
10 STRATEGIC ADAPTATION ACTIONS

- 1. Definition and approval of the institutional arrangements for the NAP, including its mandate
- 2. Elaboration of recommendations to further mainstream CCA into the next NESDP and sectoral planning instruments, including the annual sectoral budgets and guidelines
- 3. Development and implementation of a research programme on climate change impacts and CCA actions
- 4. Design and implementation of capacity-building plan
- 5. Elaboration and implementation of communication plan
- 6. Definition and operationalization of an overarching M&E framework covering the NESDP, NDC, NAP, SDGs and Sendai
- 7. Elaboration and implementation of a resource mobilization plan
- 8. Elaboration of NAPs for other priority sectors
- 9. Test of a pilot in six particular vulnerable communities, three coastal and three interior, with an integrated CCA approach in five sectors—agriculture, water, health, public infrastructures and tourism—on the mainland and in the Grenadines
- 10. Elaboration of a portfolio of CCA priority actions for the key sectors (agriculture, water, tourism, health and public infrastructures) for the medium term with verification that each measure aligns with the NESDP and sectoral strategies and plans

NAP El.	Action	Direct Beneficiaries	Lead	Implem. Partners	Target	Outputs	KPIs	Timing	Indicative Cost (USD)	Funding Source
A	Institutional framework for CCA	Public, private, civil society	SDU	NCCC	1 Institutional framework of CC approved 6 strategies of the most vulnerable sectors aligned x additional HR in SDU dedicated to CC	Mandate for CCA in official publication	No. of planning instruments revised and approved including CCA mainstreaming No. of additional CC HR in SDU	2018 to 2020	No additional cost	Climate Change Policy
Α	Recommenda tions to further mainstream CCA	Public, private, civil society	Finance Ec. Planning	NCCC	1 guide focusing on the most vulnerable sectors and addressing gender issues and env. and social safeguards	Guide with the recommendat ions	No. of recommendati ons	2019 to 2020	50,000	TBD
В	Research programme on climate change impacts and CCA actions	Most Vulnerable, Public, private, civil society, academia	Research Education	NCCC	1 annual research programme per year focusing on fisheries, crops, livestock and water	Studies on the impacts of CC and CCA adequate responses	No. studies No. thesis No. scientific articles published	2019 to 2023	1,500,000	TBD
С	Capacity- building and education plan	Public, private, civil society	SDU	Education NCCC Consultant	20 decision-makers, 20 technicians, 20 representatives from civil society and private	Capacity- Building Plan and Actions	No. actions/topic/y No. participants/y		1,500,000	TBD

NAP El.	Action	Direct Beneficiaries	Lead	Implem. Partners	Target	Outputs	KPIs	Timing	Indicative Cost (USD)	
D	Overarching M&E framework	Public, private, civil society	SDU	NCCC Consultant	1 M&E framework covering UNFCCC, SDGs and Sendai	Annual M reports Final E report	No. annual M&E reports	2019 to 2023	100,000	TBD
С	Resource mobilisation plan for 2024–2030	Most vulnerable	Finance Ec. Planning	NCCC	5 annual resource mobilization plans including financing, capacity and technology needs	Resource Mobilisation Plan	Resources mobilised (EC\$, technology and capacity)	2019 to 2023	50,000	TBD
All	NAPs for other priority sectors	Most vulnerable, private, civil society	SDU	NCCC Consultant	4 sectorial NAPs	Sectoral NAPs	No. NAPs approved	2019 to 2022	200,000	TBD
С	Test on integrated approach to adaptation	Most vulnerable fishers, farmers	SDU	NCCC Agriculture CWSA Consultant	1 sectoral planning and budgeting tool to mainstream CCA (bottom-up approach)	Adaptation community and ecosystembased actions	No. farmers and fishers with increased resilience	2019 to 2023	2,500,000	TBD
С	Portfolio of CCA actions for 2024– 2030	Most vulnerable	SDU	NCCC	12 concept notes, at least 2 for each sector identified	CCA Project Concept Notes	No. CN developed	2022 to 2023	250,000	TBD

TIME HORIZON





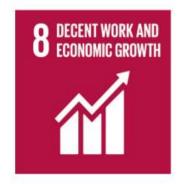




















CONSUMPTION **AND PRODUCTION**













SUSTAINABLE DEVELOPMENT GOAL 13

Take urgent action to combat climate change and its impacts*





PROGRESS & INFO (2017)

PROGRESS & INFO (2016)

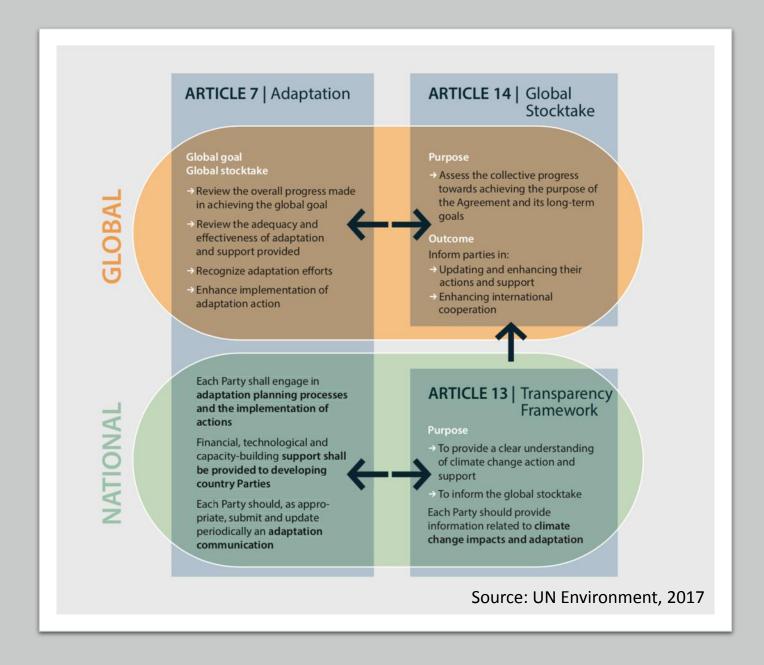
TARGETS & INDICATORS

The global indicator framework was developed by the Inter-Agency and Expert Group on SDG Indicators (IAEG-SDGs) and agreed to, as a practical starting point at the 47th session of the UN Statistical Commission held in March 2016. The report of the Commission, which included the global indicator framework, was then taken note of by ECOSOC at its 70th session in June 2016. More information.

TARGETS		IND	ICATORS		
13.1	Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries		Number of countries with national and local disaster risk reduction strategiesa		
			Number of deaths, missing persons and persons affected by disaster per 100,000 peoplea		
13.2	Integrate climate change measures into national policies, strategies and planning	13.2.1	Number of countries that have communicated the establishment or operationalization of an integrated policy/strategy/plan which increases their ability to adapt to the adverse impacts of climate change, and foster climate resilience and low greenhouse gas emissions development in a manner that does not threaten food production (including a national adaptation plan, nationally determined contribution, national communication, biennial update report or other)		

MRV

- Build on the work already done in the country MRV system developed to support the implementation of a NDC for St. Vincent and the Grenadines (Aether, 2017)
- Annual monitoring and reporting with two evaluations (2023, 2028)
- Indicators disaggregated by gender and vulnerable group
- Improved and eased MRV of adaptation feeding the NCs, BURs and the NDC (global stocktake and adaptation communication)
- Articulated with M&E of the SDGs, Sendai and other UN conventions – Action 10 – Development of overarching M&E framework



Attribution

Demonstrating that capacities are in place to implement a policy/plan, and progress in implementation, are directly attributable to a particular intervention.

Contribution

To demonstrate that implementation of policy/intervention/institutional capacity building contributed to the outcome (even if other factors did, too).

Inputs

Resources for adaptation interventions (financial and human)

Resources for community-/ project-based interventions

Process

Implementing adaptation policies, plans and interventions, and building capacities to do so

Community-/ project-based interventions

Social change

Environmental change

Economic change

Factors other than climate change are at play, and adaption interventions at local or project levels may also be affecting change.

Adaptation Outcomes

Changes in vulnerability, adaptive capacity, behaviour; progress in development despite climate change

> Outcomes of local/project interventions

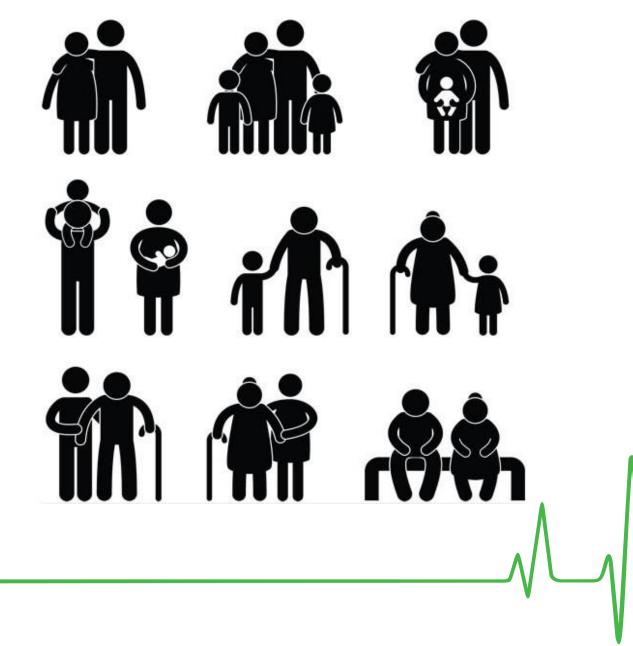
Time

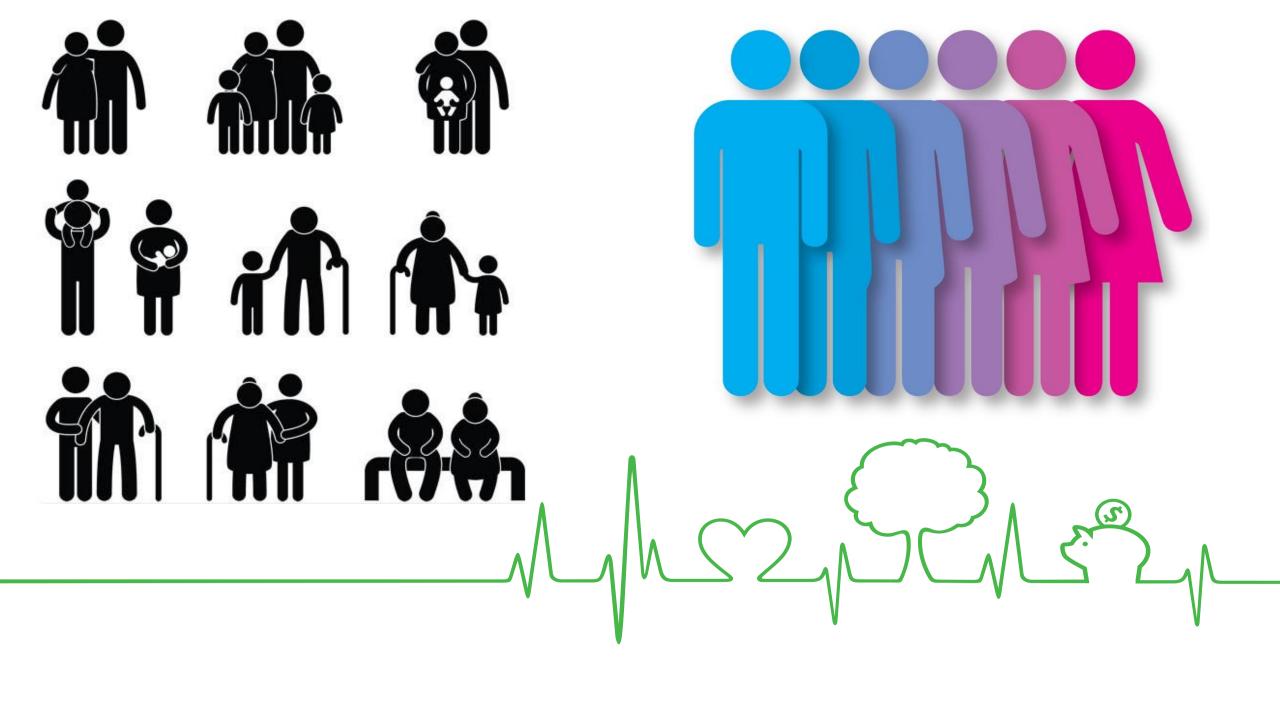
Legend:

National Leve

Local/Project Level

Source: GIZ, 2015





NAP-AG

- Has as umbrella the overarching NAP
- Coherent with NESDP
- Builds on the efforts made on the sector and eminent policies as the *Draft Agriculture and* Fisheries Strategy Report and Agriculture Disaster Management Plan
- Based on vulnerability assessment previously done, namely by IICA/Caribsave and Map et al.
- Objectives/adaptation actions identified in consultation with sectorial stakeholders

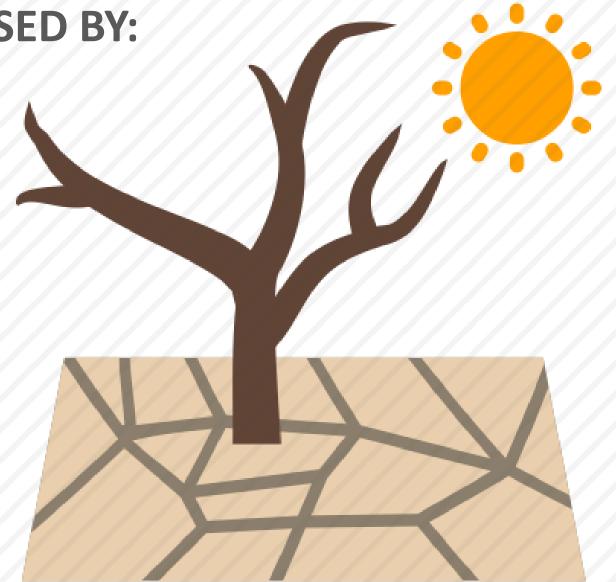




VULNERABILITY TO CC CAUSED BY:

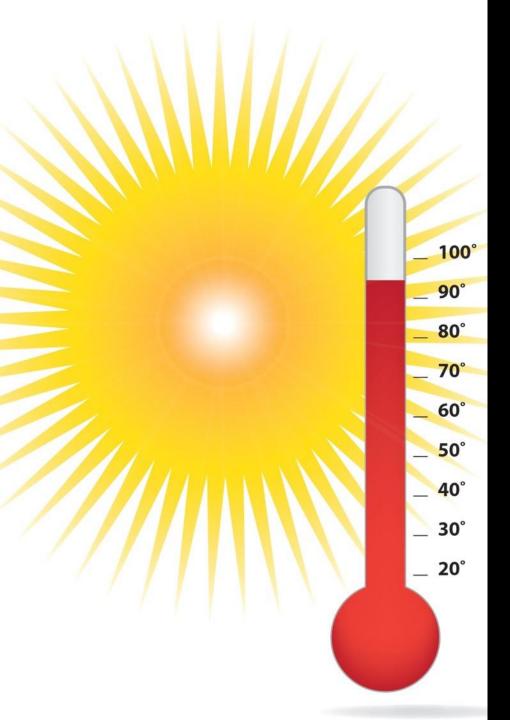
- Increase in the mean air and sea temperature
- Decreased rainfall in the rainy season, alteration is seasonability of rain
- More intense hurricanes of the North tropical Atlantic and sea level rise

According to the scenarios, we can expect an average drier and hotter Saint Vincent and the Grenadines with less natural coastal defence structures (mangroves, coral reefs, sand dunes) to buffer more intense and more frequent storm systems, with intense rain in shorter periods of time





CLIMATE CHANGE IMPACTS



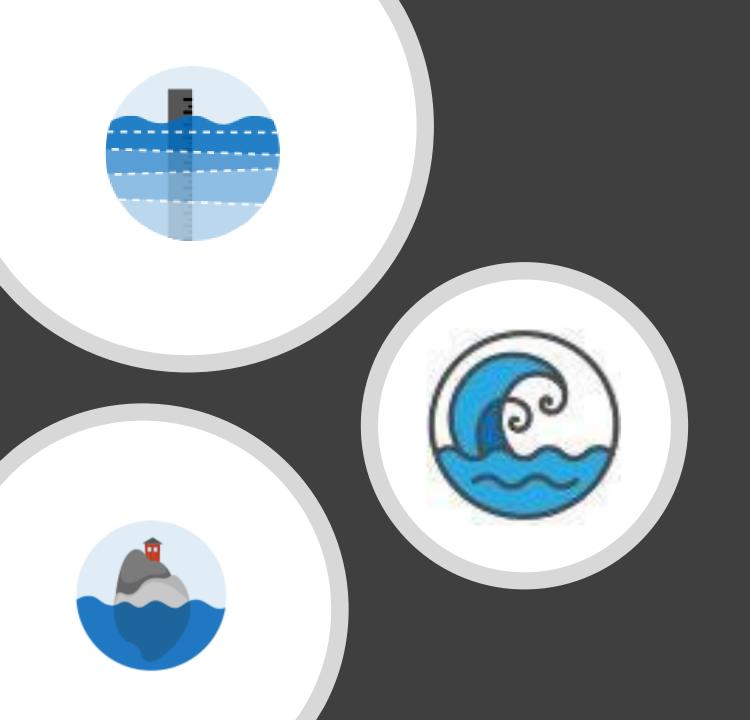
- Direct: impacts on certain crops through increase evapotranspiration and photosynthesis adversely affecting yield, pastures and livestock, impact on water availability, increase in risk of forest fires, exotic pests
 - Evidences in fisheries: go further to catch, more days inland due to rough seas and/or sargassum, change in dolphin season jan to march vast reduction in catching, lion fish is getting deeper, sargassum and weed bigger, increase in cavali, associated with sargassum reduction of size of dolphin and king fish last 10y, reduction of landings of the coastal pelagics (used as bait to catch other species and food, cheaper source of protein), landings in the first time of the year are decreasing, and increasing in the second half. It used to be the other way around, bleaching of coral reef
- Indirect: increase in food prices, threatened livelihoods, impact on food security, loss of incomes, increase in rural unemployment and increase in migration to urban areas, reduction of the sector's contribution to the GDP, psychosocial impact among farmers and fishers

- Direct Impacts: flooding, droughts, destruction of local infrastructure, loss of soil, loss or reduction in biodiversity and germplasm, sedimentation, algal blooms, increase in risk of forest fires, pests, changes in the seasons and overall production from some species (e.g. mangoes need 3 months of dry), alterations of the farming calendar
- Indirect: loss of crops and livestock, increase cost of production, threatened livelihoods, negative impact on food security, loss of income, reduction of agriculture's sector contribution to GDP, psycho-social impact among farmers and fishers



- Direct: damage and loss of crops, animals and fishing gear, damage and destruction of physical infrastructure as roads, bridges, irrigation systems, utilities (water and energy distribution), protected agriculture areas, animal housing and jetties resulting also from flooding, droughts, loss of soil, loss or reduction in biodiversity and germplasm, sedimentation. More days inland for fishermen.
- Indirect: impact on GDP, impact on livelihoods, impacts on food production and food security, psycho-social impact among farmers and fishers and all





- Direct: destruction of coastal infrastructure, degradation of coastal and marine ecosystems, increase vulnerability of coastlines to other impacts of climate change, inundation of crops, loss of agricultural land due to salt water intrusion. Minimal for crops and livestock once there is not much cultivation in coastal areas
- Indirect: increase expenditure on coastal infrastructure, loss of crops and livestock, loss of agricultural land upwards from people migrating from coastal areas, psycho-social impact among farmers and fishers and all

OBJECTIVES CROPS&LIVESTOCK

- ST: Identify/create organizational structure to coordinate efforts in all ministries and organizations (person responsible/representative/focal point) / Integrate technical officers as representatives in NEMO/SDU (co-opt)
- ST: Develop a network to share info including also the M&E of the NAP
- ST to MT: Sensitize the public through mass media (social media, TV, newspapers, billboards, etc..)/Train stakeholders
- ST to MT: Prepare a guideline to guide the process of the NAP and to train stakeholders and public servants
- ST to MT: Review regulatory framework to include compensation, zoning, conservation measures and enforcement
- ST to MT: Provide necessary human and financial resources (soil conservation, irrigation and livestock, germplasm)
- ST to MT: Implement and enforce measures to prevent soil erosion and flooding
- MT: Develop farmers' compensation scheme (FAO is looking at it)
- MT: Create and disseminate vulnerability maps for the ag sector

OBJECTIVES FISHERIES

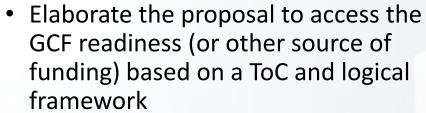
- ST: To build resilient boat and gear storage facilities and distribute equipment
- ST: locate safe harbours where boats can be temporarily stored
- MT: build the facilities
- ST: To have a regulation to have mandatory protection gear and train fishers in the use of EWS
- ST: To hold community consultations with fishers to raise the awareness of climate change impacts and risks in hazard prone areas
- ST: Support to education, promotion of emergency readiness and response: communication using network broadcasting
- ST to MT: To have discussions with insurance companies to provide schemes for fishers, to create a
 protection fund
- ST to MT: To identify and adopt an environmentally friendly 4 stroke engines and develop a recycle programme for used oil
- ST: Provide fish aggregation devices
- ST: Promote fishers' organization to better coordinate and have a single voice. MT: Consider relocation of communities situated in hazard prone areas

CRITERIA FOR PRIORITIZATION OF ADAPTATION ACTIONS

- Relevancy
- Alignment with national policy
- Feasibility
- Social and political acceptance
- Upfront cost
- Long-term cost
- Existing institutional capacity
- Potential for maladaptation
- Synergies and potential to build on early efforts
- Potential for replication
- Number of direct beneficiaries among the most vulnerable

- Climate impact potential [Potential do achieve the GCF's objectives and results]
- Paradigm shift potential [Potential do catalyse impact beyond a one-off project or programme investment]
- Sustainable development potential [Potential do provide wider development co-benefits]
- Needs of recipient [Vulnerability to climate change and financing needs of projects]
- Country ownership [Beneficiary country ownership of project or programme and capacity to implement the proposed activities] and
- Effectiveness and efficiency [Economic and financial soundness of the proposed activities]





- Use agriculture and water as pilot sectors
 - Include the strategic ag and water actions in the various activities and identify sectorial leading roles
 - Apply gender considerations and environment and social safeguards
 - Define M&E detailed framework



