

St. Kitts & Nevis Workplan and Timeline

M = Meeting, **R**= Report (includes other publications), **W** = Workshop, **S** = Communication Strategy, **MR** = Mid-term Report, **TR** = Terminal Report, **I** = Project website. (NOTE: the timing of the outputs are indicative; these will be finalized on project inception and subject to review during project implementation).

National Sub-project 1.5: St Kitts & Nevis	Year 1				Year 2				Year 3				Year 4			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Component 1: To develop and foster the implementation of targeted Innovative, climate-change resilient approaches to integrated sustainable land and water resources management and enhanced management and maintenance of ecosystem services within the College Street Ghaut watershed and quarry sites and sand-mining hotspots on Nevis.																
COMPONENT 1.1: Measurable stress reduction achieved in the College Street Ghaut watershed and downstream of quarry sites in Nevis through appropriate sustainable water, land and ecosystems management interventions that account for climate change.																
Sub-component 1.1.1: Land degradation control measures along the banks of the College Street Ghaut																
Activity 1.1.1.1 - Conduct (rapid) water and land-related diagnostic analysis for the College Street Ghaut watershed, Saint Kitts, as well as quarry sites and sand-mined beaches on Nevis, as required to support project interventions		R														
Activity 1.1.1.2 - Feed College Street Ghaut watershed information and management needs into development of national watershed management plan.		R														
Activity 1.1.1.3 - Establish contour hedges (vetiver) planted along upper bank of College Street Ghaut					W		R									
Activity 1.1.1.4: Stabilize and regularly maintain existing retaining walls and bridges along College Street Ghaut	W			R												
Activity 1.1.1.5 - Clear culverts, drains, outfalls and roads of debris and sediment at College Street Ghaut		W		R												
Activity 1.1.1.6 - Stabilize ghauts and water harvesting systems to reduce quarry run-off into ocean on Nevis				R		R		R		R		R		R		R
Activity 1.1.1.7 - Install new and maintain existing gabion baskets at College Street Ghaut						R				R						
Sub-component 1.1.2: On-site grey water treatment investment to treat effluent from private and commercial properties in greater Basseterre area																
Activity 1.1.2.1 - Establish on-site treatment of grey water on private and commercial properties in GBA				M						R						
Sub-component 1.1.3: Retention pond at Bayford's Estate																
Activity 1.1.3.1 – Undertake feasibility study for the location and construction of a retention pond at Bayford's Estate										R						

National Sub-project 1.5: St Kitts & Nevis	Year 1				Year 2				Year 3				Year 4			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Sub-component 1.1.4: Restoration and reforestation plan for abandoned quarry at Hick Estate																
Activity 1.1.4.1 - Develop restoration and reforestation plan for abandoned quarry at Hick Estate			W/M		R											
Sub-component 1.1.5: Restoration and reforestation investments within non-productive quarry areas (guided by criteria outline in the restoration plan) and Mangroves at Cades Bay and Bath Bog																
Activity 1.1.5.1 - Restore and reforest non-productive quarry areas identified using the criteria in the above plan.								R		R		R		R		R
Activity 1.1.5.2 – Undertake economic analysis of wetlands at Cades Bay and Bath Bog, carry out a survey of the state of mangroves and prepare management plan for coastal wetlands	W	R														
Activity 1.1.5.3 - Replant mangroves and other coastal plant species; restoration of coastal wetlands on Nevis								W		R						
Sub-component 1.1.6: Artificial reefs deployed at New River, Indian Castle, Dogwood and Long Haul.																
Activity 1.1.6.1: Coral reefs survey at New River, Indian Castle, Dogwood and Long Haul.			W	R												
Activity 1.1.6.2 - Deployment of artificial reefs at New River, Indian Castle, Dogwood and Long Haul, Nevis					W		R									
Sub-component 1.1.7: Beach restoration investment at Indian Castle																
Activity 1.1.7.1 - Beach restoration at Indian Castle on Nevis								R								
COMPONENT 1.2: Enhanced livelihood opportunities and socio-economic co-benefits for targeted communities in the College Street Ghaut watershed and downstream of quarry sites in Nevis from improved ecosystem services functioning																
Sub-component 1.2.1: Feasibility of sand mining in Nevis and undertake a cost-benefit and feasibility study for sustainable sand extraction in St Kitts																
Activity 1.2.1.1 - Conduct a feasibility study of sand mining in Nevis and a cost-benefit and feasibility study for sustainable sand extraction for St Kitts			M	R												
Sub-component 1.2.2: Information resources for plumbers/building contractors, septic service providers, home-owners and business people on St Kitts aware of importance of grey water treatment																
Activity 1.2.2.1 – Conduct seminars and awareness raising activities for plumbers/building contractors, septic service providers, home-owners and business people on treatment of and use/recycling of greywater		W		W/R		R		W/R		R		W/R		R		W/R
Sub-component 1.2.3: Investment in community-based water supply and sanitation for disadvantaged communities (priority on those with substandard hygienic infrastructure) to be supported by the GEF-SGP																
Activity 1.2.3.1 - Conduct a gender-sensitive community needs assessment to assess water availability and sanitation issues within target communities within the College Street Ghaut watershed and quarry sites on Nevis			R													

National Sub-project 1.5: St Kitts & Nevis	Year 1				Year 2				Year 3				Year 4			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Activity 1.2.3.2 - Develop standards and protocol for water quality data collection and determination of linkages to human health		M			R											
Activity 1.2.3.3 - Design a small-scale communal intervention to enhance water security and sanitation for disadvantaged communities within the project areas for support under the GEF-SGP				R	R		R		R		R		R			
COMPONENT 2: Strengthened national and regional systems for monitoring of environmental status with respect to key international agreements.																
Sub-component 2.1.1: Suite of IW and LD, and BD-related indicators of process, stress reduction, and environmental and socioeconomic status mainstreamed into national accounts																
Activity 2.1.1.1 - Identify suite of IW, LD and BD-related indicators of process, stress reduction, and environmental and socioeconomic status to assist objective assessment and monitoring of impacts at the College Street Ghaut and quarry sites on Nevis			W/ M		R											
Activity 2.1.1.2 - Monitor the implementation of national projects using GEF LD, IW and SFM tracking tools as part of annual project implementation review process as well as at inception, midterm and terminal stage				W		R		R		R		R		R		R
Activity 2.1.1.3 – Promote and strengthen mainstreaming of indicators in national accounts			W/ M	R		R		R	W							
Activity 2.1.1.4 - Conduct carbon benefit accounting of project activities												R				
Activity 2.1.1.5: Conduct beach analyses and regular monitoring (profiles, water quality, sediment analysis) in place						R		R								
Activity 2.1.1.6 - Conduct geotechnical survey to inform/guide sustainable aggregate extraction rates				R												
Sub-component 2.1.2: A monitoring protocol for periodic assessment of identified environmental indicators (ground and surface water quality in particular) at intervention sites with participatory engagement of stakeholders																
Activity 2.2.1.1 - Develop monitoring protocol for periodic assessment of environmental indicators (ground and surface water quality in particular) at College Street Ghaut and quarry sites on Nevis intervention sites with participatory engagement of stakeholders				R		R		R		R		R		R		R
Activity 2.2.1.2 - Development of and/or strengthening of existing decision-making tools							R									
National Component 3 Objective: To strengthen policy, legislative and institutional reforms and capacity building to support Sustainable Land Management (SLM), Integrating Water Resources Management (IWRM) and ecosystem services management taking into consideration climate change resilience building in Saint Kitts and Nevis.																
COMPONENT 3.1: Strengthened policy and legislation for the effective management of water, land and ecosystems resources that account for climate change.																
Sub-component 3.1.1: National reviews of water and wastewater legislation and institutional arrangements (and recommendations of necessary reforms)																

National Sub-project 1.5: St Kitts & Nevis	Year 1				Year 2				Year 3				Year 4			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Activity 3.1.1.1 -Review of national water and wastewater legislation and institutional arrangements followed by recommendations of necessary reforms and support with drafting legislation																
Sub-component 3.1.2: New and/or revised legislations, policies and regulations on water supply and sanitation, land degradation control (related to unsustainable mining).																
Activity 3.1.2.1 - Draft new and/or revise existing legislations, policies and regulations on water supply and sanitation based on the IWRM Roadmaps (and IWRM/WUE strategies where they may exist), National Plans of Action for SLM and ecosystem conservation in St Kitts and Nevis		W/ M		R		R		R	W	R		R		R		R
Activity 3.1.2.2 -Support revision of water/wastewater and land use management policy, legislation and institutional arrangements in Saint Kitts and Nevis		W/ M		R					W/ R							
Activity 3.1.2.3 - Develop Sand-mining and quarrying ordinances		W/ M		R				W/ R								
Activity 3.1.2.4 - Strengthen licensing system for quarry operators to be conditional on training, certification and compliance with rules									W			R				
Activity 3.1.2.5 - Regularize leases for quarries on public lands											R				W/ R	
Sub-component 3.1.3: Revised NCEMA (federal legislation) with provisions for quarrying and sand mining																
Activity 3.1.3.1 Support legislative drafting of NCEMA (federal legislation) to ensure quarrying & sand mining are adequately covered. Update the Nevis Zoning Plan & Map											W	R		R		R
Activity 3.1.3.2 - Support to strengthening national Integrated land and water resource management strategies/plans					W	R		R		R		R		R		R
Sub-component 3.1.4: Watershed basin master planning framework to guide investment planning processes																
Activity 3.1.4.1. - Develop watershed basin master planning framework	W		R													
Sub-component 3.1.5: Watershed Management Plan for College Street Ghaut (as a sub-component of overall National Water Resources Management Plan)																
Activity 3.1.5.1: Prepare Watershed Management Plan for College Street Ghaut as a sub-component of overall National Water Resources Management Plan.	W		R													
COMPONENT 3.2: Strengthened capacity of national and regional institutions and other stakeholders for water, land, and ecosystems management that take climate change into account.																
Sub-component 3.2.1: Functioning National Environmental Committee/Commission																
Activity 3.2.1.1 - Establish a National Environmental Committee/Commission and support regular meetings during project implementation		W	R													
Sub-component 3.2.2: Programme for cross-sectoral sensitization and awareness-raising for all relevant stakeholders (water, sustainable land and ecosystem management)																

National Sub-project 1.5: St Kitts & Nevis	Year 1				Year 2				Year 3				Year 4			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Activity 3.2.2.1 – Promote cross-sectoral sensitization and awareness-raising on LD and watershed management		W		R	W			R	W			R	W			R
Activity 3.2.2.2 - Convene national training - governmental and non-governmental target groups		W		R	W			R	W			R	W			R
Activity 3.2.2.3 - Develop and implement collaborative public relations and awareness strategy within and across sectors (e.g. solid waste, physical planning, agriculture, public health, water department) in St Kitts and Nevis		S		R		R		R		R		R		R		R
Sub-component 3.2.3: Programme for training and built capacity to support watershed management, SLM & ecosystems management for relevant government, private sector agencies and civil society organizations																
Activity 3.2.3.1: Training of trainers for staff of Physical Planning; Housing, Fisheries, Agriculture, Public Works and related technical practitioners (geotechnical, beach monitoring, biodiversity in mangroves and wetlands, reefs)				W	R							W	R			
Activity 3.2.3.2 - Conduct training of trainers workshops				W				W				W	R			
Sub-component 3.2.4 Training manual for best quarry layout and extraction practices																
Activity 3.2.4.1 - Capture of best practices for quarry layout and extraction				R	R	R	R	R	R	R	R	R	R	R	R	R
Activity 3.2.4.2 - Develop training manual of best quarry layout and extraction practices													R			
Sub-component 3.2.5: Training programme for quarry operators (on site layout, extraction practices and restoration/reforestation)																
Activity 3.2.5.1 - Training of quarry operators on site layout and extraction practices to facilitate subsequent restoration/reforestation														R		
Sub-component 3.2.6: Training programme on sand/aggregate substitution																
Activity 3.2.6.1 - Broad training and capacity building activities at the national level on beach sand mining and use of alternative construction materials						R		R		R		R		R		R
National Component 4 Objective: To enhance knowledge exchange, promotion of best-practices, replication and expanding stakeholder involvement in Saint Kitts and Nevis																
COMPONENT 4: Improved information access and enhanced engagement of practitioners and other stakeholders via targeted knowledge sharing networks																
Sub-component 4.1.1: Contributions to suite of best practices and lessons in improved quarry management and land restoration																
Activity 4.1.1.1 - Capacity building for targeted stakeholders in College Street Ghaut watershed and for quarry sites on Nevis					W		R						W		R	
Activity 4.1.1.2 - Preparation of summary 'state of environment' reports (result of project interventions)									M	R						
Activity 4.1.1.3: Compile contributions to a Community of Practice (COP) for the Caribbean region on improved quarry management/aggregate extractive processes														R		
Activity 4.1.1.4 - Contribute project outputs to the global knowledge network						R		R		R		R		R		R
Activity 4.1.1.5 - Contribute content to existing websites and or/develop project website			I			R		R		R		R		R		R

National Sub-project 1.5: St Kitts & Nevis	Year 1				Year 2				Year 3				Year 4			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Activity 4.1.1.6: Participation by stakeholders at inter-regional SLM and IWRM/BD dialogues			W			R		R	W	R		R	W	R		R
Activity 4.1.1.7: Develop and apply community participatory media/outreach tools						R		R		R		R		R		R
Sub-component 4.1.2: Technical exchange visits between professionals, civil society organizations to share knowledge directly over the duration of the project																
Activity 4.1.2.1: - Support technical exchanges, internships between participating countries and other SIDS regions (linked to Component 1, but global scope)						R		R		R		R		R		R
Activity 4.1.2.2: - Participate in SIDS learning exchanges at regional and global; meetings (Global Oceans Forum, GPA, CWWA, CEF etc).																
Activity 4.1.2.3: - Strengthen community-based local-area natural resource assessments			W		W			W		W/R						
Activity 4.1.2.4: - Development of best practice guidelines					R	R	R	R	R	R	R	R	R	R	R	R
Activity 4.1.2.5: - Participate in technical exchanges between countries						R		R		R		R		R		R
Sub-component 4.1.3: At least 2 major technical conferences and symposia to showcase the innovative solutions																
Activity 4.1.3.1: Saint Kitts and Nevis participates in IW Learn activities, such as Biennial conferences, preparation of at least 2 experience notes and a website compatible with IW:LEARN Standards																
Activity 4.1.3.2: - Participate in major conferences to promote technologies and replication opportunities																
Sub-component 4.1.4: Research articles, books, other awareness materials through various media																
Activity 4.1.3.1: - Awareness raising on alternative construction materials				R		R		R		R		R		R		R
				R		R		R		R		R		R		R