

EU_GIZ ACSE Programme
CONCEPT NOTE

Country (ies): The Republic of Kiribati

Location within country (ies): Bairiki, Tarawa

Concept focus:

- Climate change adaptation
 Sustainable energy
 Both

Project type:

- Type 1 – 200,000 Euro maximum budget
 Type 2 – Maximum is the country allocation

Total requested budget: AU\$235,000.00

Duration of Project: 24 months

Contact point:

1. Tarakabu Tofinga (Mr)
Senior Land Planning Officer; Land Management Division
Ministry of Environment, Lands & Agriculture Development (MELAD)
Phone: (686) 21283 (Office)/ (686) 720 97290 (Cellular)
Email: tarakabu.tofinga@gmail.com
2. Ms Kabure Yeeting
Assistant Mineral Development Officer
Ministry of Fisheries and Marine Resource Development
Phone: 21099, Email: kaburey@mfmrd.gov.ki
3. Mrs Taouea Titaake Reiher
Acting Director; Environment & Conservation Division/MELAD
Phone: 686 28000/ 686 28425
Email: taouear@environment.gov.ki

Support for PDD development:

- Yes, consultant(s) or organization(s) to be engaged: **SOPAC/SPC**
 No
 Undecided

1. PROJECT TITLE:

LAND USE & COASTAL AREAS VULNERABILITY & ADAPTATION ASSESSMENT

(Strengthening the evidence base for decision making through the development, application and institutionalization of analysis tools for land use and coastal zone mapping)

2. BACKGROUND & RATIONALE:

Kiribati is a small island state of atolls merely 3 meters above sea level and at average no more than a kilometer in width and few tens of kilometers in length. This typical coral atoll characteristic makes the islands truly all coastal with development and public investments including infrastructures, facilities, building and community settlements concentrated at the coasts and unknowingly oft sited at hazard zones.

Climate change threatens to exacerbate the impact of coastal hazards by increasing the frequency and intensity of storms with sea level rise increasing coastal erosion and inundating low-lying areas resulting in more people, development and natural resources vulnerable to potential hazards.

Most communities are not fully aware of their existing vulnerabilities to forecasted impacts of CC and ability to cope through understanding the principles of land planning, permitting uses, management of coastal ecosystems (e.g. mangroves) for preparedness and adaptation.

To help assess and raise communities understanding of vulnerability and resilience community members need access to science & evidence-based information. The project will ensure communities have comprehensive guidance to assess their vulnerabilities with capacity and opportunities to support their resilience through improved understanding and awareness of land use & coastal states in light to CC, Disaster Risk and Conservation measures.

The Project seeks to utilize GIS data and maps with earth-truthing assessment as means to geospatially identify and confirm vulnerable land and coastal areas under present and future inundation scenarios. Participatory and consultative approach is also a key strategy in ensuring retrieval of accurate on the ground information from communities.

The deliverable will focus on bridging the gap on *limited expertise in utilizing state-of-the art equipment and relevant processes for vulnerability assessment related to land use and physical structures assisted through integrated GIS system*. The exercise will assist in mapping coastal shifts and determine changes in the shorelines complementing ongoing efforts with beach profiling exercises and to strengthen coastal resources management. A vulnerability map can give a viewer an immediate sense of variation across space and time aiding the comparison between areas and highlighting vulnerability hotspots.

The Project is well aligned to the Kiribati Development Plan (KDP) 2012 ~ 2015, the Kiribati Climate Change & Adaptation Framework and the recently endorsed KJIP.

Key Priority Area 4 of the KDP underpins activities in addressing adverse impact of CC in particular Outcome 1 for improved knowledge and understanding attained through assessing vulnerabilities to effectively adapt and mitigate adverse impact where possible. Strategy 2 of the KJIP provide for strengthened capacity & knowledge to asses, analyze & communicate science & best practices for improved decision making & adaptive capacities at all levels.

3. OBJECTIVES:

The Project will contribute to building capacities and empowering stakeholders at all levels (*technical, decision makers, resource users, civil societies & community members*) on disaster risk reduction & climate change adaptation through enhanced skills & knowledge with information generation & sharing/data management.

4. EXPECTED PROJECT OUTCOMES:

There are 3 main Project outcomes namely;

1. Strengthened capacities for research, data analysis, applications and management of land use and coastal vulnerability & adaptation assessment at the institutional level
2. Evidence & science based information & adaptive capacities established for 6 islands
3. Knowledge and understanding are enhanced and shared at all stakeholders level on vulnerability and adaptive measures for improved decision making and general information

5. TARGETED OUTPUT

Aligned to the above outcomes, the Project will seek to achieve the following outputs:

1. Training workshop(s) is conducted at the technical level for undertaking research, data analysis & application on land use and coastal ecosystems, vulnerability and adaptations
2. Human resource capability is enhanced for use of appropriate assessment and survey technologies (*GIS software, GNSS & UAV/Unmanned Aerial Vehicle used at hire basis*).
3. Existing institutional setup and centralized database system is strengthened to support Project with appropriate equipment, technologies and software.
4. Vulnerability-adaptation assessment for the 6 targeted islands of Kiribati is conducted
5. Baseline and collected data on land use and coastal shifts are collated and analyzed
6. Outreach materials are produced and disseminated with public awareness increased on vulnerability and adaptation for resilience with proactive outreach programs
7. Designation of coastal ecosystem protection zone for islands recognized under the Key Biodiversity Areas (KBAs) in light to Environment Act 1999

6. BENEFICIARIES:

The key benefits to be realized are 1. *Strengthened capacities in data generation, analysis, application and management for land use & coastal vulnerability & adaptation* and 2. *Gained comprehensive understanding & awareness on degree of land use & coastal vulnerability/adaptive capacities & management plans for covered islands and communities.*

This project will provide a basis for better knowledge and understanding for vulnerable community members inclusive of men, women, children, the old and the disabled on their informed decision making within their respective communities. In light of this, it would also enable and facilitate the engagements made by the central and local level governments, interested civil society groups and resource users in their consultations and development of policies and plans initiated at the national level.

The targeted islands are with high population density with potentials as growth centers & high yields for cash-crop productions excluding islands with existing data or covered with projects of same nature.

Intermediaries are the Environment and Lands Offices of MELAD, Minerals Division of MFMRD, and Local Government Office of MIA.

7. INDICATIVE BUDGET

#	Item	Indicative Budget (AU\$)
1	Output 1: Strengthened capacities for research, data analysis & management for land use/coastal vulnerability & adaptation (<i>Project support, equipment, TA & training</i>)	\$93,300.00
2	Output 2: Evidence & science based information & adaptive capacities established for 6 targeted islands (<i>island visits, data generation/analysis, analytical maps</i>)	\$51,700.00
3	Output 3: Knowledge & understanding enhanced with shared information on vulnerability-adaptive measures (<i>awareness, resource conservation & management</i>)	\$28,000.00
4	Project Coordination & Management (for both Kiribati ACSE projects)	\$36,000.00
5	Monitoring & Evaluation	\$20,000.00
6	Communication & visibility (buy-in mechanisms)	\$6,000
7	Co-financing/in-kind contribution; office space, transport & communications, office equipment...etc	\$80,000.00
	Total:	AU\$235,000.00

8. PROJECT MANAGEMENT

The Office of Te Beretitenti (OB) will be managing the project with a *Project Coordinator (PC)* to be recruited and stationed at OB and to provide supporting roles to the respective implementing sectors (financial administration & progress reporting) to the leading & implementing sectors namely MELAD & MFMRD as well as the donor.

The recruited Project Coordinator will also be responsible for financial management of both ACSE EU-GIZ project namely this project and the Energy Project (Type 2); As OB holds the coordination portfolio within the national government, this will provide a coordination and wholistic approach to the projects under the same funding.

The Minister and Secretary of MELAD and MFMRD (portfolios for land use planning & foreshore management) will have shared responsibility over the Project reporting to Cabinet and Secretaries Meeting progress of Project. The named Secretaries will nominate *Project Officers (PO)* within their respective Divisions as contact points to work collaboratively with the Project Coordinator and Steering Committee. The nominated POs will be responsible for technical reporting and implementations of ground activities.

A Technical Working Group (Technical Team) comprise of key technical stakeholder agencies is to be established. The *Kiribati National Expert Group (KNEG)* on CC & DRM of the OB will be the Steering Committee (SC) responsible for monitoring project activities according to allocated budgets and schedules.

The named lead & implementing agencies has respectable experience with Projects namely the GEF/UNDP '*Sustainable Land Management*' and *Kiribati Adaptation Projects II & ongoing KAP III*. The SLM Project focused on improving institutional setups for controlled land degradations while KAP2&3 coastal risk assessment & coastal ecosystem as adaptive measures. It is envisaged that

technical assistance from CROP agencies are to be sought to support Project specific activities and engaged through membership status with these regional bodies.

The National Economic Planning Office of the Ministry of Finance is responsible for the initial preparation of Project fund receiving and warranting the funds to the leading project management agency (OB) and subjects to National Audit Office auditing or donor procedures. Disbursement of funds for implementation of activities will be by endorsement of Secretary MELAD justified according to work-plan and against allocation or specific budget lines.

9. COMPLEMENTARITY & REPLICABILITY

The Project links strongly with Government progressing islands vulnerability assessment through the *Whole of Island Approach* coordinated by OB. The Project will build on this WOI approach gained experiences for land use & coastal assessments component similar to mapping activities (land cover change) conducted for S.Tarawa & Abaiang under WOI or SOPAC/SPC program.

The Project will complement and add-value to on-going GEF funded programs including UNCCD-NAP, KAPIII activities and other programs involving coastal assessment and marine spatial planning. Upon completion it will have the potential for replication at the remaining uncovered islands and other countries with islands having the same physical characteristics as Kiribati atolls.

SUSTAINABILITY & RISKS

Activities and outputs proposed under the Project falls under the mandates of key stakeholder agencies and will be absorbed into respective agencies work-plans at end of Project.

There are no unforeseeable financial risks provided Project management and financial mechanisms are centrally institutionalized with responsible Ministries, sectors and personnel specifically delegated roles in administering Project.

Environmental impacts will be of insignificant concern with implementation of Project as it will deal mainly with in-sophisticated equipment (on hire basis) and environmental conscious methodology.

10. TIMELINE FOR PLANNED MEASURES (Gantt chart ~ refer to Page 6)

With timely progression of Project and on-time disbursements of funding and other logistics it is anticipated that the Project is to be completed within a 24 months period.

11. STAKEHOLDER ENGAGEMENT IN CONCEPT NOTE DEVELOPMENT

This is a joint paper by the key stakeholder agencies including the Minerals Division, Environment and Lands Office with outcome thereof complementing their key tasks and roles. The recommended Steering Committee; KNEG under the OB is fully versed of this Concept Note and will act as Steering Committee upon implementation. Ministry of Internal Affairs, being member of the Steering Committee will provide guidance in terms of protocol for carrying out project activities on the outer islands.

Energy Planning Office of MPWU together with MELAD and MFRMD have agreed that a Project Coordinator managing the two ACSE Programme (Type1 & 2) is to be based at OB and for funding to be sourced from this project (Land use and coastal vulnerability assessment project)

Ref. #	Description	Responsibility	2015 ~ 2016							
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	Output 1: Capacities for research, data analysis and knowledge management in land use & coastal vulnerability & adaptation assessment is strengthened									
1.1	Activity: Human resource capability & institutional setup with database system is enhanced with appropriate training & equipment/software									
1.1.1	Task: Training program developed & implemented (Technical advisor, participants & other logistics)	SC, TT, PM & POs, TA								
1.1.2	Task: Identifying & procurement of relevant equipment with arrangement for hiring of UAV	TT, PMs & PO								
1.1.3	Task: Establishment of advanced data-base system to support Project	TT, POs & TA								
2	Output 2: Evidence & science based information & adaptive capacities established for individual islands									
2.1	Activity: Land use-coastal vulnerability & adaptation assessment is carried out at 6 targeted islands									
2.1.1	Task: Confirming the 6 islands to be visited and make necessary logistics for visits	SC, TT, PM & POs								
2.1.2	Task: Visit to 6 outer-islands for conducting vulnerability assessments and retrieval of relevant data, earth-truthing & community consultations	TT								
2.2	Activity: Baseline & collected data on land use& coastal shifts are collated and analyzed with digitize information produced & managed with analytical maps developed	TT, PM& TA								
2.2.1	Task: Training on data analysis & production of analytical maps & coastal resource management plan for designated 3 selected KBAs.	TT, PM, PO& TA								
2.2.2	Task: Collated & analyzed data with analytical maps produced for 6 islands	TT, POs & TA								
3	Output 3: Knowledge enhanced & shared at all levels on vulnerability-adaptive measures for improved decision making & general information									
3.1	Task: Outreach materials produced & disseminated with public awareness increased via awareness programs (inclusive of communication & visibility)	TT, PM&POs								
4	Task: Commissioning of Project (Funds warranted, PC recruitment, operational support)	NEPO, SC & PO								
5	Task: Monitoring & Evaluation	NAO								

SC; Steering Committee TT; Technical Team POs; Project Officers PC; Project Coordinator TA; Technical Advisor
NAO; National Audit Office NEPO; National Economic Planning Officer