

Planning Considerations the Expansion of C5.

CPACC, COMPONENT 5

Planning and technical Review Workshop

Courtleigh Hotel,
Kingston, Jamaica.

May 21st to 25th, 2001.

Goal of the Expansion of C5.

Develop a diagnostic approach to coral reef ecosystem assessment that will provide the basis for identifying and demonstrating the relationship between,

- (a) Changes in climate & land based sources of pollution
- (b) the resulting changes in coral reef biota,

for the purpose of identifying and communicating the appropriate solutions and remedies for mitigation and climate change adaptation to decision-makers, planners, and policy-makers.

Goal of the MACC Project.

MACC will

- i. assist in mainstreaming climate change considerations into their development planning and sectoral investment objectives;
- ii. identify and develop appropriate technical and institutional response mechanisms for adaptation to global climate change; and
- iii. support and promote regional climate change monitoring and modelling.

Goal Relationship

The revised C5 will,

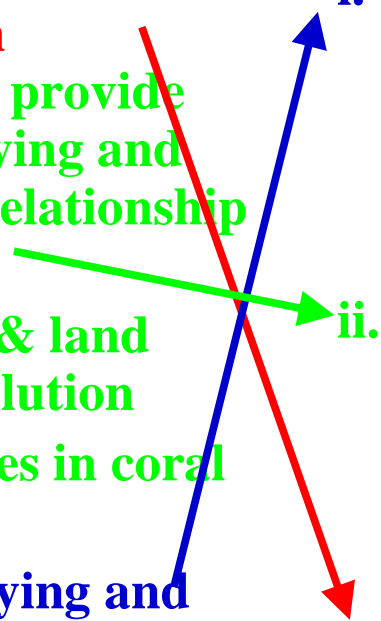
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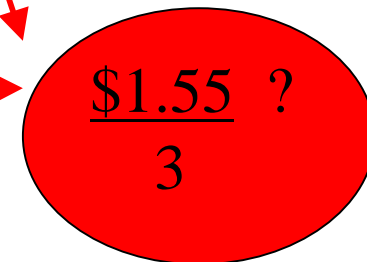


MACC Project Description.

- a) **Mainstreaming adaptation to climate change in national development planning & public and private investment decisions – agric., fisheries, and land use.**
- b) **Assisting institutional and technical support mechanisms.**
 - **Demo project feasibility assessment**
 - **Expand participation in coastal vulnerability assessment e.g. C5 & economic valuation of natural resources.**
 - **Expand vulnerability assessment**
- c) **Expand GCC monitoring and impact assessment as a basis for national and regional decision making.**
 - **Strengthen climate monitoring network**
 - **Integrate into global networks**
 - **Expand geographic scope.**
 - **Training and institutional capacity building**
- d) **Mainstreaming through permanent institutional mechanisms to address GCC in the Caribbean.**
- e) **Cross regional dissemination and replication of results and lessons learned.**

MACC Project Budget.

- a) **Mainstreaming adaptation: \$2.7 million**
- b) **Support to institutional and technical support mechanisms: \$3.5 million**
 - **Demo project feasibility assessment (\$1.6)**
 - **Expand participation in coastal vulnerability assessment e.g. C5 & economic valuation of natural resources (\$0.75).**
 - **Expand vulnerability assessment (\$0.75)**
- c) **Expand GCC monitoring and impact assessment as a basis for national and regional decision making: (\$1.3).**
 - **Strengthen climate monitoring network (\$0.8)**
 - **Integrate into global networks**
 - **Expand geographic scope.**
 - **Training and intuitional capacity building**
- d) **Cross regional dissemination and replication of results and lessons learned (\$0.3).**



Planning.

1. **Scope of Work:** what we plan to do.
2. **Time:** sequence and schedule of activities.
 1. Responsibilities, resources, costs.
3. **Human Resources:**
 1. Skills, attributes, expertise, training, team building, compensation, functions, TOR.
4. **Quality:**
5. Procurement
6. Costs/Financial Management.
7. **Risk**
8. **Communications:**

Scope of Work: What we plan to do.

Continuation of C5.

- Recommendations
 - Global Net
 - Brain storming
 - C5 PTR Workshop
 - Pilot Country (?)

Expansion of C5.

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Continuation of C5.

Technical Activities

1. **Parameters**
 - Turf algae
 - Encrusting corals
 - Fleshy algae
 - Live coral
 - Fish abundance
 - Acanthuridae.
 - Scaridae.
 - Tetrodontidae
 - (*Diadema*)
 - Sponges
 - *Diadema*
 - Sponges (erect & boring)
 - Bleaching
 - Coral growth (skeletal)
 - rugosity
2. **Transition to permanent transects.**
3. **Monument corals**
4. **Country specific species lists**

Technical Activities.

5. **Undertake coral reef research on past climatic conditions.**
6. **Geo-reference monitoring data.**
7. **ID Manuals based on visual species ID per country**
8. **Country specific site selection & transect distribution methods**
9. **QA/QC: Image ID protocol.**
10. **Training in species identification.**
11. **Reef flats monitored by CASI (CIDA Inc.)**
12. **Deep for reefs monitored.**
13. **Methods for identifying & demonstrating causal relationships (LINKS).**
14. **Develop relational data base for C5 data entry, processing & reporting.**

Continuation of C5.

Operational Activities

- 1. Establish collaborative arrangements with volunteers & volunteers-based monitoring initiatives to support regional monitoring of climate change (Temp and UV data logger network).**
- 2. Arrange for coral reef data to be made available to GCRMN.**
- 3. Develop management plan & budget.**
- 4. Develop/co-opt PA/PE strategy.**
- 5. Develop mainstreaming strategy.**

Operational Activities.

- 6. Establish at the national and regional levels, institutional mechanisms for continues dialogue on the design, management, and implementation of coral reef monitoring activities amongst technicians,scientists, managers and policy makers.**
- 7. Register geo-referenced C5 monitoring sites with NOAA Hotspots.**

Expansion of C5.

Technical

1. **Develop country specific species lists**
2. **Prepare ID Manuals based on visual species ID per country**
3. **Prepare country specific site selection & transect distribution methods.**
4. **Adopt revised C5 protocols.**
5. **Implement national coral reef monitoring programmes.**

Operational

1. **Conduct national needs-assessments**
2. **Identify national lead agency and monitoring team.**
3. **Develop management plan & budget for monitoring coral reefs for climate change impacts in the Eastern Caribbean.**
4. **Establish Eastern Caribbean Sub-regional technical support node.**
5. **Establish C5 Technical Advisory Committee.**

Assignments.

- **Public Awareness & Education.**
 - Carlton James, Mike DiPaola, David Smith, R.Thompson
- **Parameters & country specific site selection.**
 - Jeremy Woodley, Renata Goodridge, Mike Risk, Nadia Bood
- **Expansion to EC; Capacity & needs.**
 - Peter Murray, Leslie Walling, Angelique Brathwaite.
- **Establishing C5/GCRMN Link.**
 - J. Woodley, J. Lang.
- **Registering C5 sites w/ NOAA Hotspots programme.**
 - T. Rahming, I. Gillette, I.King
- **Establishment of a C5 Technical Advisory Committee.**
 - Jeremy Woodley, Carlton James, David Smith.
- **QA/QC, National Species lists, ID training, ID manual.**
 - Marcia Creary, Judy Lang, Nadia Bood, Tamica Rhaming.
- **C5 database Development.**
 - M. Creary, J. Miller, D. Linton, I. Gillett, T.Rhamaing, A. Henry, I. King.
- **Establishment/Development of sub-regional nodes.**
 - G. Warner, D. Smith, Min. Foreign Affairs, A. Brathwiate.

Assignments.

- **Management Plan and Budget.**
 - Leslie Walling, Peter Murray.
- **Development of Mainstreaming Strategy (establishing permanent institutional mechanisms for continues dialogue on C5 design, management and implementation e.g. JCRAPS).**
 - D. Smith, N, Taylor-Roberts, George de Rommilley, Nadia Bood, Lt. Cmdr. Wayne Mykoo.
- **Reef Flat Monitoring w/ CASI.**
 - J. Woodley and M. Risk.

