

### **Component 3: Inventory of Coastal Resources and Use**

#### Geographic Information Systems (GIS) Installation and Upgrade: Collaboration with Centre for Resources Management and Environmental Studies (CERMES) and Engineering Institute

CPACC support for participants to the 1-year modular program hosted at the UWI Campuses in Barbados and Trinidad and Tobago has concluded as participants have or are currently finalizing their final reports. This program has proven quite useful and participants found it very beneficial.

In addition to the purchase of computers for NFPs and C1 contacts, computers and GIS software for CPACC Repositories for the CRIS are to be purchased. The computers for the repositories have been purchased along with the other two sets of computers. As a result, only three countries remain to have computers ordered.

The purchase of GIS software has yet to be finalized. At a minimum, CPACC will be providing ESRI's Arcview 3.2 software to support the use of the CRIS. Countries were requested to indicate additional software required to facilitate the management and implementation of the CRIS. CPACC will be in a position to assist in this manner but the country requirements remain to be finalized.

Additional software necessary to support the CRIS management was identified, including MS Office 2000 Professional version. This software has been acquired with the computers. Although computers have mainly been acquired from local vendors the GIS software will be acquired from one of ESRI's distributors in the Caribbean.

In this area, given some institutional changes, there are a couple of cases where it is unclear whether the designated repository remains interested or is capable of managing the CRIS. These situations require careful review to ensure that the program is not lost for the countries involved.

Under this area, technical support was provided to a national metadata workshop in St. Lucia in November 2000 by meeting travel arrangements for Mr. Rajkumar Singh of the Environmental Protection Agency (EPA) in Guyana who provided the training.

#### Coastal Resource Inventory Systems

Originally, it was reasonably hoped that the CRIS could be concluded by the end of 2000 following the original and very optimistic July 2000. This later date has not been realized largely as a result of delays in acquisition of attribute and monitoring data, which have limited the ability of the consultants to finalize the design of the database. The scope of services for this project was divided into the following seven modules:

- Module I. Data assessment.
- Module II. Data cataloguing and metadata standards.
- Module III. Database design and management.
- Module IV. Data collection.
- Module V. Data automation/conversion.
- Module VI. Database implementation.
- Module VII. Metadata Training.

By the end of 2000, all but modules VI and VII were complete and the former was largely finished. The payments for the CRIS were linked to specific deliverables as listed:

- 10% upon UWICED's receipt of a copy of this Contract signed by the Consultant;
- 10% following delivery of the Inception Mission Report and the Data Assessment Report;
- 15% following delivery of Data Collection and Automation/Conversion Strategy Report;
- 10% following delivery of the Metadata Standard, Metadata Catalogue and Training Report;
- 10% following delivery of the System Requirements Report;
- 15% following delivery of the Data Automation Manual;
- 20% following Database Implementation and delivery of User's Manual, System Manual, and the final System Software and Databases;
- The final payment of 10% will be paid upon completion of all contract deliverables.

The only outstanding payments for the CRIS related to the reimbursables for documents and travel as well as 20% for the Database implementation and User's Manual and naturally the final 10%.

In addition to the CRIS contract, separate training contracts were agreed with the UWI and ESSA Technologies for the following activities:

- A Data Collection and Automation Workshop held in St. Lucia in March 2000.
- A Feature Extraction for Satellite Imagery Workshop held in Barbados in October/November 2000.
- A Database Design and System Maintenance Workshop for 30 persons held in Barbados in October/November 2000.
- A System Use and Decision Making Training the Trainers activity for four persons with the material to support follow-on workshops and seminars. This activity will likely be scheduled for early 2001.

#### Satellite Imagery

During this period the CPACC project acquired IKONOS 1 meter Pan Sharpened satellite imagery for eleven of the countries. Procurement of the imagery was handled by the OAS using World Bank regulations for international bidding. Specifically, an invitation to bid was sent to eight firms, four of who responded. The bid had to be revised based on the quotations received and again the same four firms responded. The successful firm was Niveles of Mexico.

In the case of Jamaica, CPACC could be making a proportional payment of US\$17,500 to the Government, which is acquiring similar quality IKONOS imagery to cover the entire country. In addition, the OAS made a contribution of US\$12,000 towards the purchase of imagery for St. Kitts and Nevis and Antigua and Barbuda, since the same imagery will serve multiple national agencies involved in another project executed by the OAS. The total cost for the imagery for the 12 CPACC countries therefore was US\$177,500.

Based on the completion of the contract for the imagery and the minimum delivery time, the full contract should be delivered in February 2001; although, it is expected that some imagery will be delivered before this date.