



Sistema de Informacion Geografica Peninsular de Yucatan (SIGPY): WORK PLAN for the UQROO-URI GIS Development Project

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This five year project aims to conserve critical coastal resources in Mexico by building capacity of NGOs, Universities, communities and other key public and private stakeholders to promote an integrated approach to participatory coastal management and enhanced decision-making. This publication was made possible through support provided by the U.S. Agency for International Development's Office of Environment and Natural Resources Bureau for Economic Growth, Agriculture and Trade under the terms of Cooperative Agreement No. PCE-A-00-95-0030-05.

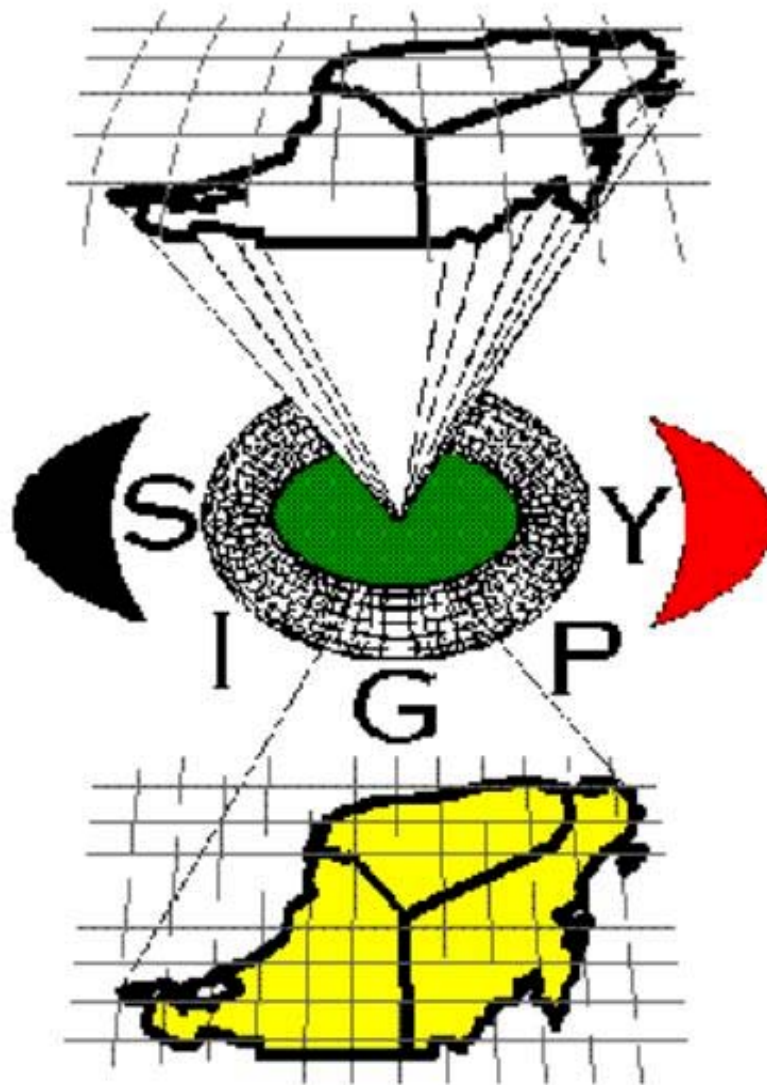




Centro de Información
Geográfica



**Sistema de Información Geográfica
Peninsular de Yucatán (SIGPY):
WORK PLAN for the UQROO-URI GIS Development Project**



Introduction: Overall Objectives

The general objectives of the UQROO-URI GIS development project is to promote the tool of Geographical Information Systems (GIS) to the various actors involved with land use planning, development and conservation in the Yucatan Peninsula. The University of Quintana Roo (UQROO) has been designated as the leader in this initiative and will serve as the regional center for storing and distributing GIS data in the region. Among the principle objectives of this project is to have GIS information and data available to decision makers and the public via the Internet. For this purpose, the UQROO will develop a web site in collaboration with the University of Rhode Island (URI) in which a digital atlas for the region will be available and a showcase of current GIS environmental and economic applications will be presented in order for the general public and decision makers to be informed about GIS and its potentials in the Yucatán region

In order for these overall objectives to be met, the capacity of the UQROO GIS lab must be built up to 1) promote spatial information development, 2) spatial data distribution 3) geo-spatial analysis to support enhanced integrated environmental management decisions and 4) GIS training and extension. Moreover, the UQROO must take the initiative to partner institutions and regional users who utilize and/or can benefit from the GIS tool and promote information exchange between them. This regional GIS governing board should agree on a set of protocols based on emerging international standards for GIS data and metadata in the region.

Within the scope of the UQROO-URI GIS project, the *Centro de Información Geográfica* (CIG) has been created at the UQROO to promote the regional GIS program: *Sistema de Información Geográfica Peninsular del Yucatán* (SIGPY). The following work plan outlines the specific activities and anticipated results for the first year (Diagnostic and Design and Development Phases) of development of SIGPY. The work plan includes the needs in terms of personnel level of effort (LOE), equipment, material, travel and other needs in order to build the capacity of the CIG at UQROO and promote the development and deployment of SIGPY.

PHASE I (Diagnostic Phase)

Activity 1

Develop a clear mission statement for SIGPY including its objectives and plans for development and continuing funding.

Personnel

Eddie Ellis (Project Director)

Expected Result/Product

HTML document with SIGPY mission statement and strategic plan included in SIGPY web page which is in construction. Delivered on or before November 30, 2000.

Activity 2

Develop a mission statement for CIG-UQROO as a center for geographical data and analysis and the leader in organizing and promoting SIGPY in the region.

Personnel

Eddie Ellis (UQROO Project Director)

Expected Result/Product

HTML document with CIG-UQROO mission statement and strategic plan included in SIGPY web page which is currently in construction. Delivered on or before November 30, 2000.

Activity 3

Develop a pilot web page promoting SIGPY to users and beneficiaries of GIS in the region and hosting the beginnings of an on-line atlas for Quintana Roo and some data currently available.

Personnel

Omar Harving (UQROO Web-Page/GIS Technician)

Hector Ventura (UQROO GIS specialist)

Eddie Ellis (UQROO Project Director)

Chris Damon (URI)

Project Coordinator (UQROO/To be hired)

Expected Result/Product

Pilot SIGPY web page published on the internet with SIGPY and CIG-UQROO mission statement incipient atlas and some GIS data available on-line. Delivered January 30, 2001

Activity 4

Form a GIS governing board composed of various users and beneficiaries in the region (e.g. universities, research institutions, government agencies, private sector, etc.)

Personnel

Eddie Ellis
Project Coordinator

Expected Result/Product

A GIS governing board for SIGPY composed of at least 4 members, and a list (addresses and contact numbers) of future potential members. Other SIGPY members will then be included in the web page. Delivered by February 28, 2001

Activity 5

Make an inventory of available GIS data and applications related to the Yucatan Peninsula from various SIGPY members, other potential member, and outside national or international institutions.

Personnel

Eddie Ellis
Project Coordinator
Hector Ventura (UQROO GIS Specialist)

Expected Result/Product

Information (type, location, scale, metadata) of available GIS layers for the region listed in the SIGPY Web Page with sources on where to obtain them. Some GIS data of SIGPY members available on-line. Delivered by April 1, 2001

Activity 6

Discuss SIGPY project in terms of benefits and constraints and plan with SIGPY members the standards and metadata to be used for GIS data in the region as well as protocols for data sharing.

Personnel

Eddie Ellis
Project Coordinator
Chris Damon (URI)

Expected Result/Product

A workshop with SIGPY members where SIGPY program is discussed in terms of opportunities and constraints and GIS data standards and metadata terms are established. Results of workshop (i.e. SIGPY evaluation, GIS data standards, metadata and information sharing protocols) presented in the web page. Delivered by April 1, 2001.

PHASE 2 Part I (Design and Development)

Activity 1

GIS training for UQROO GIS staff

Personnel

Eddie Ellis (Project Director)
Omar Harving (UQROO Web-Page/GIS Technician)
Hector Ventura (UQROO GIS specialist)
Project Coordinator (UQROO/To be hired)

Expected Result/Product

HTML document with SIGPY mission statement and strategic plan included in SIGPY web page which is in construction. Delivered on or before November 30, 2000.

Activity 2

Spatial database compilation, development and standardization

Personnel

Eddie Ellis (Project Director)
Omar Harving (UQROO Web-Page/GIS Technician)
Hector Ventura (UQROO GIS specialist)
Project Coordinator (UQROO/To be hired)

Expected Result/Product

A set of local and regional peninsular-wide spatial data stored and available at the UQROO which meets international standards for spatial data and metadata