

**2011 Annual Meeting
Wider Caribbean Sea Turtle Conservation Network
(WIDECAST)**



National Report of Sea Turtle Research, Management and Conservation in Cuba 2010.

Responsibles:

Félix Moncada (coordinator)

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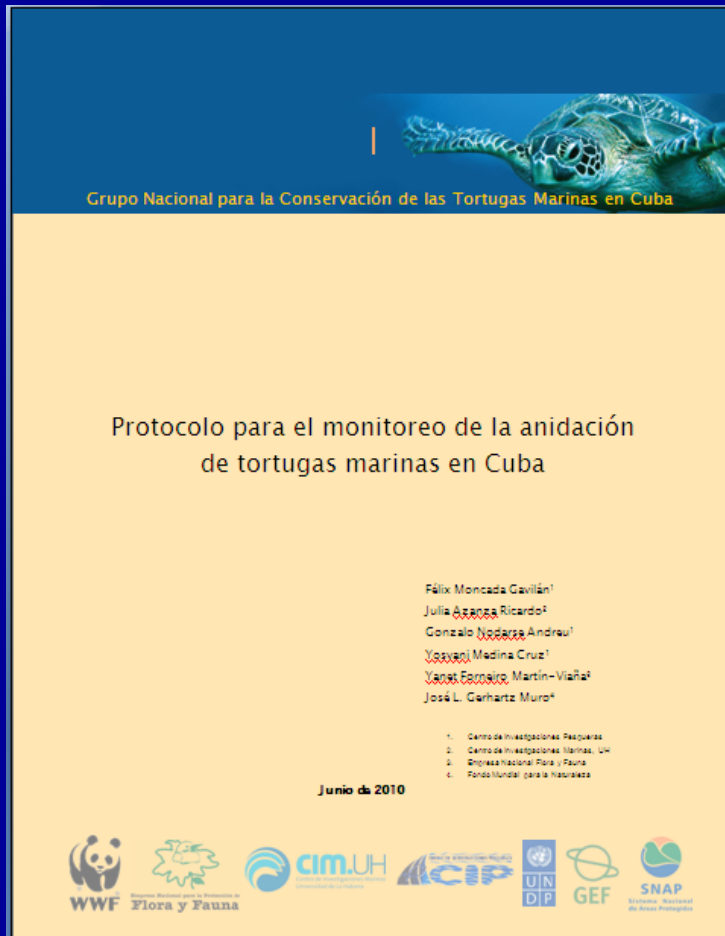
San Diego, United States

April 10, 2011

Formation of a Coordinacion Group of the National Program of Marine Turtles



Elaboration of the national protocol to the monitoring nesting activity



- How to identify and make the characterization of the nesting beaches
- How to prepare nesting beaches before start the monitoring (camps, signals)
- Types of the monitoring diurnal and nocturnal technics
- How to perform nest analysis after hatching

A National training to technicians of the nesting areas to learn the new protocol was carried . Guanahacabibes NP, June 2010



A total of 11 people who work in protected areas were trained.

The protocol was applied to standardize data collection

Anexo III A: Planilla No. 1

PLAYEO DIURNO

Área protegida: *Cayo Largo* Playa *Playa de Casina* Temporada

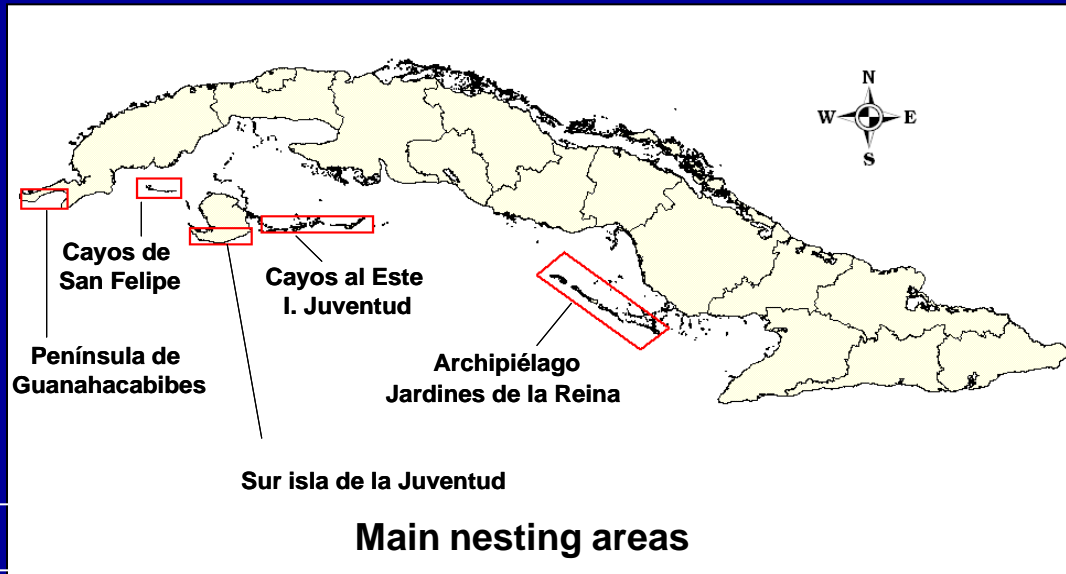
Recorrido		Rastro					Especie						
Fecha	Hor a inc.	Hor a final	Res-pon-sible	No	Ancho	Tipo	Condicion	Dirección	Sp	No. del nido	Posic. (Zona)	Dist. a línea maris	Locali-dad (Baldas)
24-5-10	7:20	12:00	P. L. A.	1		C	A	Retro	Caguana	1	B	3m	5
14-7-10	6:00	11:00	P. L. A.	2		C	B	R	T. Verde	2	C	5m	12
16-7-10	6:00	11:00	P. L. A.	3		C	D		T. Verde	3	C	5m	12
16-7-10	6:00	11:00	P. L. A.	4		C	D		Caguana	4	C	5m	11
16-7-10	6:00	11:00	P. L. A.	5		C	B	R	T. Verde	5	C	2m	12
29-8-10	10:00	12:50	P. L. A.	6		C	B	R	T. Verde	6	B	4m	13
27-8-10	10:00	12:50	P. L. A.	7		C	B	T	T. Verde	7	C	2m	14

Anexo III A: Planilla No. 1

PLAYEO DIURNO

Área protegida: *Cayo Largo* Playa *Playa de Casina* Temporada: *2010*

Recorrido		Rastro					Especie						
Fecha	Hor a inc.	Hor a final	Res-pon-sible	No	Ancho	Tipo	Condicion	Dirección	Sp	No. del nido	Posic. (Zona)	Dist. a línea maris	Locali-dad (Baldas)
24-5-10	7:20	12:00	P. L. A.	1		C	A	Retro	Caguana	1	B	3m	5
14-7-10	6:00	11:00	P. L. A.	2		C	B	R	T. Verde	2	C	5m	12
16-7-10	6:00	11:00	P. L. A.	3		C	D		T. Verde	3	C	5m	12
16-7-10	6:00	11:00	P. L. A.	4		C	D		Caguana	4	C	5m	11
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TO STANDARDIZE THE INFORMATION

Doce Leguas Keys and Labyrinth (Jardines de la Reina Archipelago): mainly hawksbill turtle.
 San Felipe keys, South of Isla de la Juventud and Cayo Largo in Canarreos Archipelago: mainly green turtle and loggerhead.
 Guahanacabibes Peninsula: mainly green turtle.

Participants of the different areas making diverse activities supervised by the coordination group.

- San Felipe Keys
- Punta del Este
- Guanahacabibes

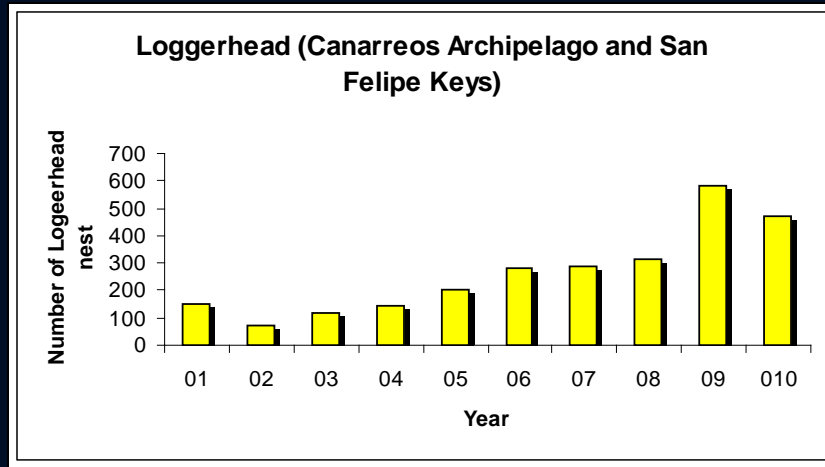


Main results

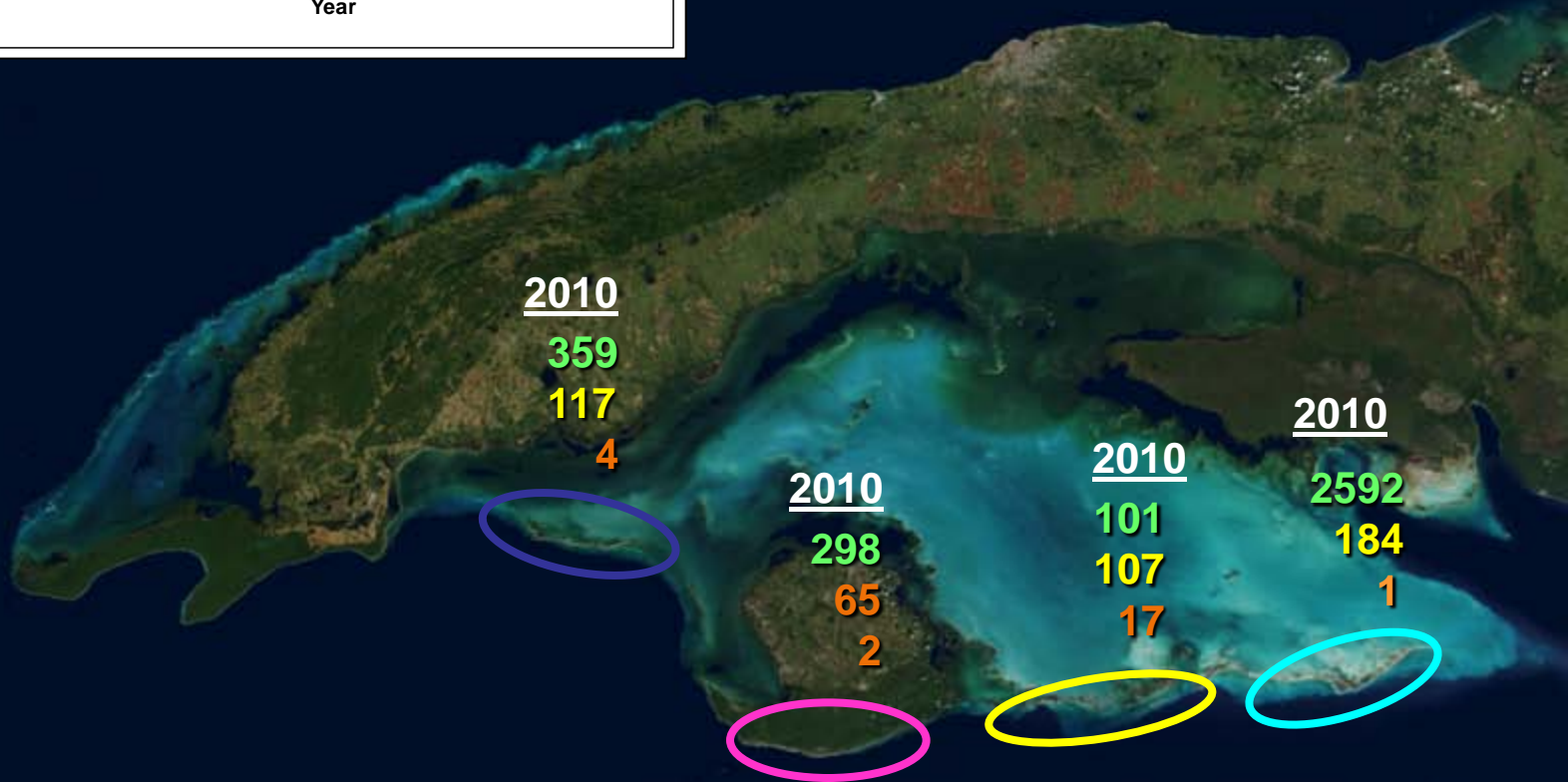
Nesting

Species	Total of nests
Green turtle	3643
Loggerhead	492
Hawksbill	125
All species together	4341

In Canarreos Archipelago and San Felipe Keys



Green turtle
 Loggerhead
 Hawksbill



Guanahacabibes Peninsula



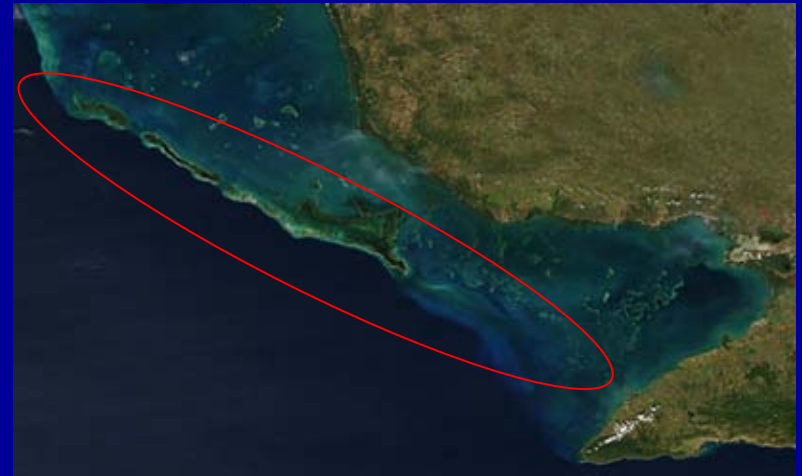
GUANAHACABIBES	Loggerhead	Green Turtle	Total of nest
	19	293	312

- Second nesting area of green turtle in Cuba
- Since 1998 surveys are carried out by the personnel of CIM and volunteers students of Havana University
- 5 index beaches, 4 secondary

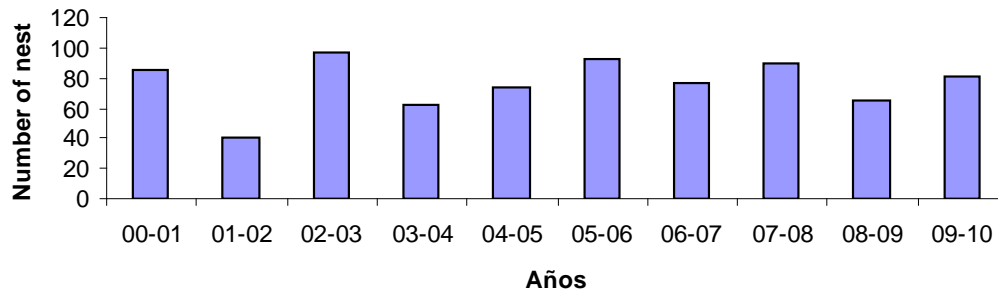
In Doce Leguas Keys and Labyrinth

- Main nesting area of hawksbill turtle in Cuba,
- nesting season (September-January)
- Nine index beaches

A total of 81 nest of hawksbill turtle in Index Beach.



Nest of Hawksbill turtle in Doce Leguas Keys and Labyrinth.
(Index Beach)



Hatching success

Area	Sspecie	Total of nest	Total of nest analyzed	Nest analyzed					Estimado para cada área	
				Mean of eggs per nest	Mean of Promedio de neoborn per nest	Total of nest	Total de neoborn emerged	Emergency Success (%)	Total of eggs incubated	Total de neoborn emerged
Sur de la Isla de la Juventud	Loggerhead	65	37	104,1	75,5	3851	2794	73,0	6765	4939
	Hawksbii	2	1	77,0	49,0	77	49	64,0	154	99
	Green turtle	298	79	107,4	81,9	8481	6468	76,0	31992	24314
San Felipe	Loggerhead	117	48	79,8	67,5	3829	3239	84,6	9333	7895
	Hawksbii	24	8	100,1	46,4	801	371	46,3	2403	1113
	Green turtle	359	141	104,0	79,9	14657	11270	76,9	37318	28694
Guanahacabibes	Loggerhead	19	9	96,8	84,3	842	759	87,0	1938	1747
	Green turtle	293	83	102,4	90,2	8398	7397	88,1	33759	25384
Total		1177	406			40936	32347		74608	56 483



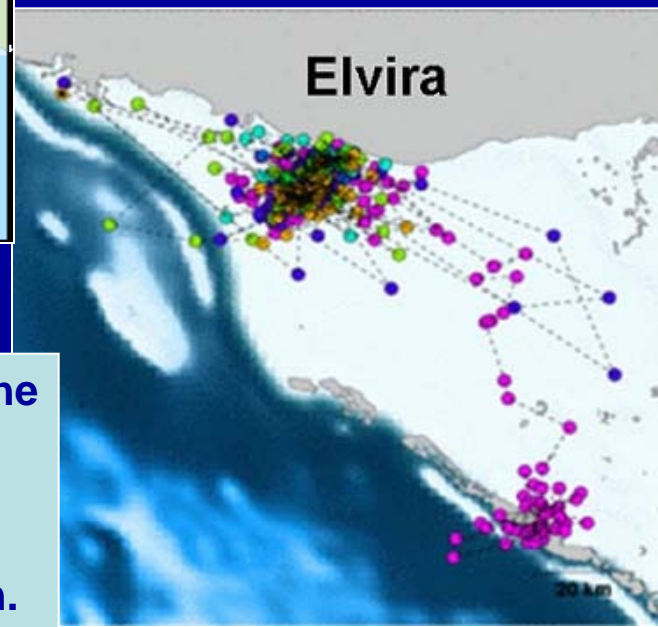
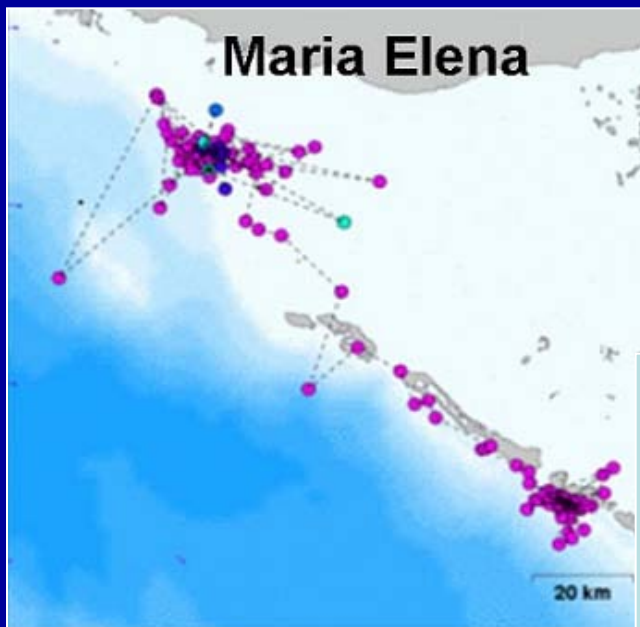
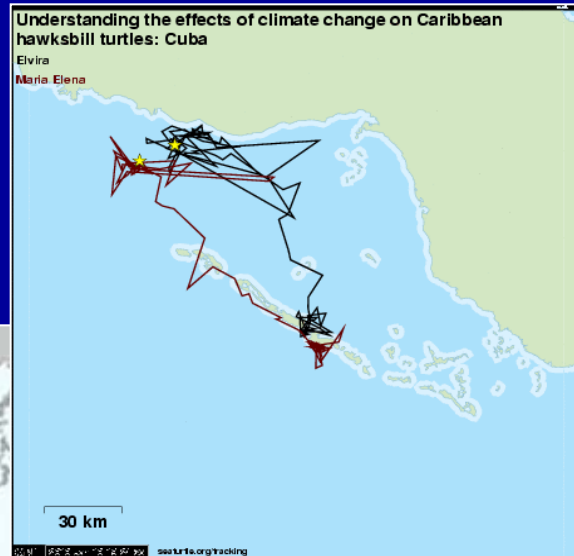
TAGGING-RECAPTURE (2010)

Total of Sea Turtles tagged and recaptured per species in each studied area.

Area / Site	Species	Total of Sea Turtles tagged	Total of Sea Turtles recaptured
Sur de la Isla de la Juventud (Guanal)	Green turtle	2	0
Cayo Largo	Loggerhead	3	1
	Green turtle	127	35
San Felipe (Cayo Sijú)	Loggerhead	3	0
	Green turtle	5	0
Guanahacabibes	Loggerhead	1	2
	Green turtle	102	20
Total		243	58



Two nesting female are being tracking from Cuba in coordination with WWF Project (Understanding the effects of climate change on Caribbean hawksbill turtles).



Both females remained in the same area in which they nested, which agrees previously with obtained results in that same region.

Bycatch

In order to update the information on the Bycatch of sea turtles surveys were made in three great areas of the Cuban shelf



CENTRO DE INVESTIGACIONES PESQUERAS
DIVISION DE PECES Y OTROS RECURSOS.

Proyecto: Tortugas Marinas

INFORMACIÓN NECESARIA PARA ESTIMAR LA CAPTURA INCIDENTAL DE
TORTUGAS MARINAS EN LAS AGUAS DE LA PLATAFORMA CUBANA.

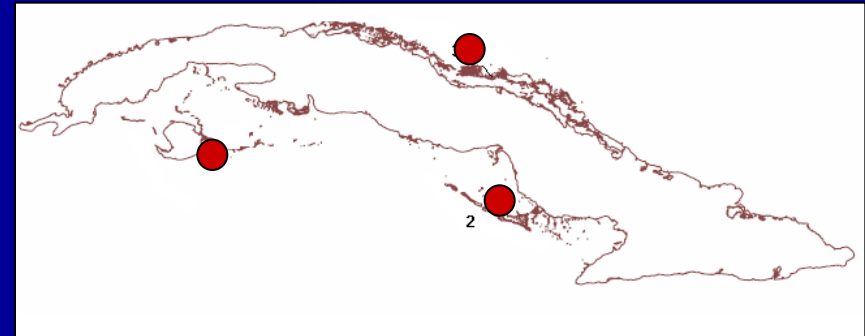
ENCUESTA

- Tipo de pesquería especie o recurso a la que está dirigida esa pesquería (p.e: escama, clucho y raya, camarón etc.):
- Área de pesca (nombre como se le conoce por los pescadores):.....
- Artes de pesca que utiliza esa pesquería:.....
- Cantidad de artes de pesca:.....
- Características del arte (largo, peralto, abertura de malla, etc.):.....
- Duración de la campaña de pesca en días o días de pesca en el mes:.....
- Temporada de pesca en el año (entre que meses o si es todo el año):.....
- Subrayar especies de tortugas marina (tortuga verde, carey, caguama, tinglado, otra) capturadas con mayor frecuencia por esa pesquería.
- Número promedio de tortugas capturadas incidentalmente en cada campaña de pesca. Marcar entre los rangos siguientes:
< 5:.....
6-10:.....
+11:.....
- Tamaño aproximado (grande, chiquita o mediana) de las tortugas marinas capturadas incidentalmente (apreciación del pescador):.....
- Especificar si la captura de la tortuga es viva o muerta y de acuerdo a la apreciación del pescador estimar si más del 50% son capturadas vivas o muertas:.....

Aclaración: La encuesta debe realizarse cada tres meses en el año: abril, agosto y diciembre, contemplando la información de los tres meses anteriores. Solo tiene como objetivo conocer sobre la captura incidental de las tortugas marinas en las aguas de la plataforma cubana. Las respuestas no tienen ninguna otra implicación, es decir, no interesa para nada en este estudio el destino que le dieron a las tortugas capturadas. Tampoco interesa el nombre de la embarcación ni del pescador encuestado.

Fecha de realización de la encuesta:

Buró de Captura:



The estimate around 700 animals caught by other fisheries in the period 2008 to 2010

Finfish fisheries
(Trawl nest and
Nets)

Most vulnerable
species:
Hawksbill and
Green Turtle

In relation to other threats as illegal fishing of sea turtles

IT IS WATCHED AND CONTROLLED BY THE OFFICE NATIONAL OF FISHING INSPECTION (THROUGH LAW No. 164 of 1996 "REGULATION OF FISHING") APPLYING SANCTIONS AND CHECKING THE INFRACTIONS

Year	Total Length of Confiscated nets (meters)	Confiscated meat (Kg of meat)
2010	40 081	7504.0



Two important international workshop on marine turtles were carried up in Cuba last year (March, 2011)



1. National workshop for analyze the results of monitoring in 2010



2. First workshop of conservation and tourism sustainable in Cayo Largo which is an important tourist beach and the same time the most important nesting beach for green turtle and loggerheada in Cuba.



Thank you