



Promoting participatory ICTs for adding value to traditional knowledge in climate change adaptation, advocacy and policy processes in the Caribbean

Mobilisation Meeting

September 5 and 6 2012, Tobago

1. Introduction

The Caribbean Natural Resources Institute (CANARI), the Technical Centre for Agricultural and Rural Cooperation (CTA) and the University of the West Indies (UWI), St. Augustine are implementing a project to use participatory 3D modelling (P3DM) as a tool to incorporate and recognize local and traditional knowledge and values into decision making about climate change adaptation. The project is receiving additional support from the United Nations Development Programme Global Environment Facility Small Grants Programme (UNDPO GEF SGP) and The Nature Conservancy. It is being implemented in partnership with the Tobago House of Assembly.

A pilot P3DM exercise, combined with a training of trainers, was scheduled to take place on the island of Tobago in October 2012 to share and combine traditional and other forms of knowledge to identify the risks from climate change and extreme climate events and to recommend the adaptation policies and actions required.

These mobilisation meetings were part of a mobilisation plan formulated for the P3DM exercise to stimulate interest of residents of Tobago to participate in the three dimensional model building exercise in Tobago during the period 29th September to 12th October 2012.

2. Participants

Twenty-seven participants attended the first meeting in Argyle and seventeen attended the meeting in Scarborough in addition to one CANARI's staff member and a consultant hired by CANARI to assist with mobilisation. Participant lists are in Appendix 1.

3. Objective

The workshop objectives were to:

- a) introduce the project to participants;
- b) introduce key concepts in participatory three-dimensional modelling;
- c) draft a schedule for groups to populate the model.

4. Method

Methods used to facilitate the workshop included an ice breaker, lectures and probing questions to facilitate discussion. The workshop agenda is provided in Appendix 2 and the presentations in Appendix 3.

5. Findings

Groups were invited to make appointments to attend the model building exercise guided by the segmented map of Tobago (Appendix 4). The draft schedule of appointments developed is listed in Appendix 5. Five representatives requested presentations to their groups and indicated that there was a need to source groups from north-east Tobago. Participants also revealed that they were fearful that they would not complete the model in the time allocated. Facilitators reassured the participants by giving information about other facilitators at the activity and about the extensive arrangements that were being made for the P3DM exercise.

6. Conclusion

The workshop stimulated interest in the P3DM activity and produced a draft schedule for attendance.

Appendix 1- Participant list

Mobilisation Meeting
September 5th 2012
Argyle Community Centre, Argyle, Tobago

NAME	ORGANISATION	JOB TITLE	ADDRESS	TELEPHONE	FAX	EMAIL
1. Rudy Augustin	Belle Gardens Fishermen Association	Fisherman	# Pembroke Tobago	660 5335 712 9497		olegusto@hotmail.com
2. John Waldron	Belle Gardens Fishermen Association	Fisherman	Pembroke	315 5123		
3. Lawrence Smart	Belle Gardens Fishermen Association	Fisherman	Belle Garden	375 7673		
4. Jeremy Thomas	Belle Gardens Fishermen Association	Fisherman	Belle Garden	378 1571		
5. Theophilus Edwards	Belle Gardens Fishermen Association	Fisherman	Delaford	775 5013		
6. Frankie Scott	Belle Gardens Fishermen Association	Fisherman	Belle Garden	332 6`84		
7. Desotin Melinbye	Belle Gardens Fishermen Association	Fisherman	Roxborough	351 6523		
8. Anthony Thomas	Speyside Fisherfolk	Dive Master	Lucy Cale Speyside	375 1909		
9. Damika Marshall	DNRE	Environment Officer	Delaford	723 5205		
10. Alvin Smart	Pembroke Village Council	Fisherman	Pembroke	362 9141		
11. Terrence Holmes	Fisheries	Extension	#2 Montessori	789 9758		Tholmes_6p@yahoo.com

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Mobilisation workshops
September 5 and 6 2012

Workshop Report

		Officer	Drive, Glen Road			
12. Fitzgerald Hades	Belle Garden Fisherman			316 2482		
13. Pen Corclu	Speyside Fishermen	Works THA	Lucy Vale Speyside	375 7670		
14. Krystle Bascombe	Roxbrough Police Youth Club		Bloody Bay Road, Roxborough, Tobago	660 5357 396 1524	660 6630	bascombek@hotmail.com
15. Donna Toussaint	Belle Gardens Cultural Group		Belle Garden	660 5750 313 1229		
16. Brian Bain	Belle Gardens Wetland Association		Main Road Belle Garden	660 5813 395 1402		originaldagger@yahoo.com
17. Anthony Cordner	Speyside Village Council		Speyside	354 6238		
18. Anthony Cordner	Fundamentals Cultural Group		Speyside			
19. Tanelle Harrilal	Charlotte Village Council	Vice President	3 New Street, Charlotteville, Tobago	325 7320	660 5126	Tanelle.harrilal@firstcitizentt.com
20. Glenford John	Speyside Fisherfolks	President	Lucy Vale Speyside	701 9738		
21. Finley Benjamin	Belle Garden Fishing Association		George Street, Glamorgan	328 0972		
22. Gordon Mitchell	Wildlife Association Tobago		Carnbee Josfield Trace	660 6962 395 8871		tobagomitch@yahoo.com
23. Christian Achorner	Wildlife Association Tobago		Flamingo Avenue	685 4584		a.achorner@tstt.net.tt
24. Brian Dyer	Tobago Hunters' Group	President	#230 Windward	782 1557 354 5992	660 5373	bmdyer@hotmail.com

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Mobilisation workshops
September 5 and 6 2012

Workshop Report

			Road, Roxborough, Tobago			
25. Ricardo Allen		Fisherman	Prince Street Roxborough	356 4044		
26. Curtis Daniel		Fisherman	Roxborough	325 25 67		
27. Brian David		Fisherman	Roxborough	379 9176		

Mobilisation Meeting
September 6th 2012,
Botanic Gardens Conference Room, Scarborough, Tobago

NAME	ORGANISATION	JOB TITLE	ADDRESS	TELEPHONE	FAX	EMAIL ADDRESS
1. Lusandra Roberts *	Mason Hall Village Council – Nutmeg Grove Association		179 Northside Road, Mason Hall, Tobago	639 5611		
2. Ann Goddard	John Dial Village Council	Checker	66 B John Dial	660 2133; 710 6523		
3. David Perreira				310 3626		
4. Clement Bobb	Tobago Cocoa Farmers	Chairman	Scarborough, Tobago	761 9678		
5. Jay-Ann Joseph	AFEEPO – Anse Fromager Environmental Ecological Protection Organisation		Golden Lane	489 1324		
6. Linda Phillips Samuel *	John Dial Village Council		John Dial	660 2024		
7. Orwin Dillon	Tobago Agriculture Society	President	Friendsfield Road	290 9479		orwindillon@hotmail.com
8. Darren Daly	Department of National	Environmental	Belle Garden	774 2343		

	Resources	Officer				
9. Howard Robin	Department of National Resources	Environmental Officer	Bagatelle	778 5514		Kiano001@yahoo.com
10. Tanya Clovis	SOS Tobago	President	Golden Grove	328 7351 357 2862		info@sos-tobago.org tanyaclovis@gmail.com
11. Harris McDonald	Tobago Certified Tour Guides Association	President	Golden Grove Road	759 0170 304 1840		harris_jungle@hotmail.com
12. Carl Hector *	Granby Fisherfolk Association		Ft. Granby	481 3458		hectorsea@hotmail.com
13. Dennis Charles	South West Fishing Association		Bon Accord	490 6629		
14. Charles King	South West Fishing Association		Buccoo Point	372 6729		
15. Daniel Archer*	South West Fishing Association		Canaan Tobago	639 8772		
16. Darlington Chance*	Certified Tour Guide Association		Blood Bag	318 8034		
17. Olive James	Tobago District Agricultural Society		Plymouth Road	321 0688		bamboovalleyfarm21@hotmail.com
18. Lyndon Glasgow	AFFPO		Golden Lane, Tobago	720 2109		ansefromagercamp@gmail.com

Appendix 2 - Agenda



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September 5 and 6 2012, Tobago

OBJECTIVES

The **workshop objectives** are to:

- a) introduce the project to participants;
- b) introduce key concepts in participatory three-dimensional modelling;
- c) draft a schedule for groups to populate the model.

Agenda

4: 30 p.m.	Registration	
5: 00 p.m.	Opening remarks, welcome and introductions Objectives	DNRE/ CANARI
5: 30 p.m.	Overview of the project	CANARI
6: 00 p.m.	Introduction participatory three-dimensional modelling	CANARI (prepared by UWI)
6: 30 p.m.	Scheduling participation	CANARI
7: 00 p.m.	Wrap up, close and evaluation	CANARI

Appendix 3 - Presentation

Participatory Three-Dimensional Modelling (P3DM): Tobago

Prepared by
Dr. Bheshem Ramlal
Department of Geomatics Engineering and Land Management
UWI, St. Augustine

Introduction*

- P3DM is a relatively new method developed to support collaborative processes to facilitate grassroots participation in problem analysis and decision-making
- P3DM integrates people's knowledge and geographic information to produce relief models that are user-friendly.
- These models are relatively accurate data storage and are useful as analysis devices and for communicating information.

* This presentation is based on material obtained from:
http://www.iapad.org/participatory_p3dm.htm

Overview of Process

1. Preparatory Phase
2. Acquiring P3DM Supplies
3. Assembling the Blank Model
4. Depicting the information
5. Transferring the information
6. Digital Photography
7. On-screen digitizing
8. GIS Processing
9. Map Production
10. Data Validation
11. Hand Over of Model
12. Continued Use by Community

Preparatory Phase

- It is extremely important to have a very good understanding of the cultural and socio-economic setting of the area in which the P3DM exercise is to be done
- Need to identify of all stakeholder groups
- Must secure agreements from them to participate in the process
- Identify venue for exercise
- Secure funding to support exercise
- Compile Legend for Map in collaboration with stakeholder
- Identify supplies needed

Legend making

- All legend items need to be sorted into:

- areas
- lines
- points
- toponyms



Acquiring P3DM Supplies

- Items include but not limited to:
 - Tables for Model
 - Cardboard
 - Base Maps
 - Strings – Various colours
 - Carbon Paper
 - Pins – Various colours
 - Thumb tacks – Various colours
 - Paint – Various colours

- Glue
- Scissors
- Coping Saw
- Markers
- Nails
- Crepe Paper



Tools for Scaling and referencing



Assembling the Blank Model



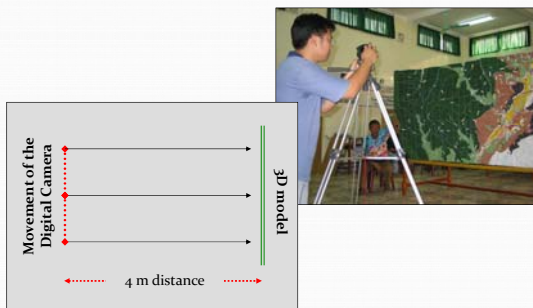
Depicting the Map Information



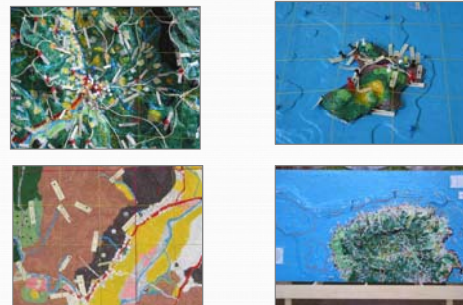
Transferring the information



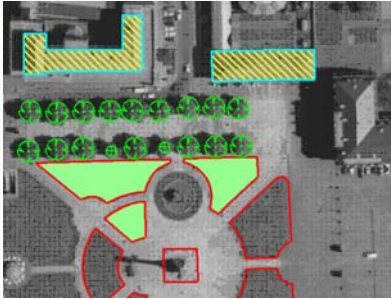
Digital Photography



Sample Images



On-screen digitizing



GIS Processing

- Preparing the Data for Analysis and Map production purposes:
 - Single Map coordinate system
 - Separating into different layers
 - Ensuring that all attribute data is added

Map Production



Data Validation

- Finished Map is verified by informants and other stakeholders in the community
- Error and omissions are fixed
- Final Map produced

Hand Over of Model

- Finished Model and Maps handed over to the Community in a formal handing over ceremony
- Provides an opportunity for the press, policy makers and informants to meet and to hold discussions using the model as centerpiece for these discussions
- The model becomes part of the Community

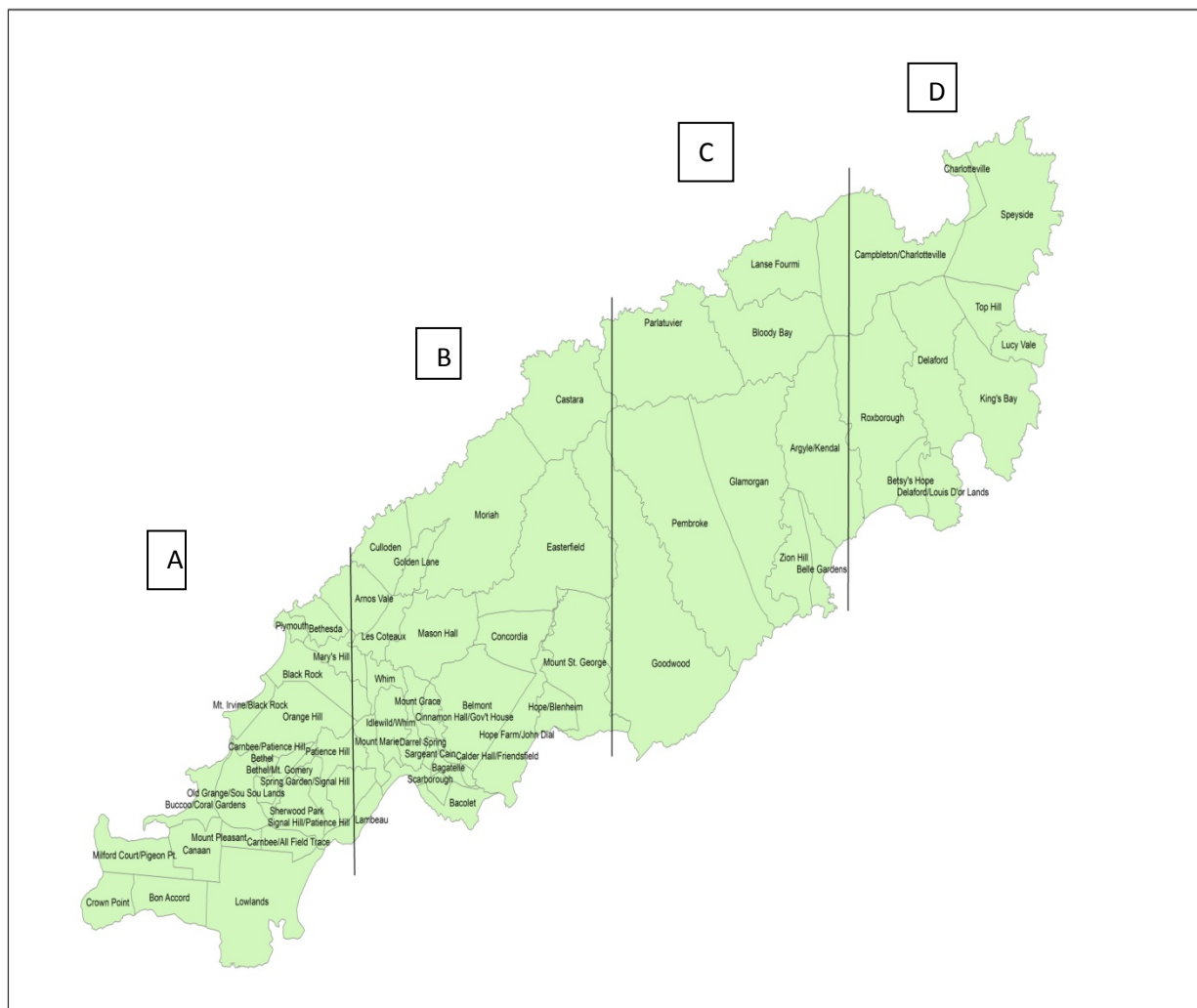
Continued Use by Community

- Follow up data collection and updates of model need to be done on a scheduled basis so that the model is sustainably used by the community.
- As a result, stakeholders will continue to benefit from the P3DM exercise in the long term.

Concluding Remarks

- The 3D modelling process is long but a very simple one
- Significant participation and learning takes place during the exercise
- It is by far the most cost effective method to gain significant information for use by communities to influence policy makers
- This exercise is expected to provide significant opportunity for the people of Tobago

Appendix 4 - Segmented map of Tobago



Appendix 4 - Draft schedule

DAYS	GROUPS
THURSDAY 4TH TO FRIDAY 5TH PM	A – B – AFFEPO – Mary’s Hill Community Group C – BELLE GARDEN COMMUNITY (MR. BAIN) D - (THEOPHILIUS EDWARDS & 5) FISHER/FARMER
FRIDAY 5TH PM TO MONDAY 8TH AM	A – SOS (FRIDAY & SATURDAY) B – TOBAGO COCOA FARMERS C – D – CHARLOTTEVILLE COUNCIL
MONDAY 8TH AM TO TUESDAY 9TH PM	A – B – C – D – SPEYSIDE FISHER FOLK
TUESDAY 9TH PM TO THURSDAY 11TH PM	A – B – C – D – ROXBOROUGHGROUP (BRIAN DYER & K. BASCOMBE)