

# COCONet Workshop: Community Science, Station Siting, and Capacity Building

February 3 – 4, 2011

Gran Meliã – Rio Grande, Puerto Rico

## Workshop goals:

- Refine the overarching science plan for pan-Caribbean infrastructure.
- Revise the GPS station siting plan in light of science goals and existing open-data GPS infrastructure.
- Develop a mechanism for ongoing science oversight.
- Define capacity building activities and funding mechanisms, including development of the scientific and technical capacity of the international and in-country community conducting research in the Caribbean, and ensuring a climate of free and open access to COCONet geodetic data.

## Wednesday, 2 February – Arrival /Check in & MAW Working Group Chairs follow up meeting

All day	Participant Check in .....	Hotel Lobby
3:00pm - 9:00pm	IRIS - MAW Working Group Chairs follow up meeting (closed).....	Puerto Rico 1

## Thursday, 3 February - Day 1 – Ballroom – Puerto Rico 3

7:00am – 8:00am Breakfast..... Puerto Rico 1

**General Session I:** Science Objectives and Natural Hazards Research Enabled by COCONet

**Chairs:** John Braun, Eric Calais

**Objective:** Provide introductory summaries of the science plan and broader impacts of COCONet

8:00am – 8:10am Welcome/Intro ..... M. Miller

8:10am – 8:20am Comments from the sponsor..... R. Kelz

8:20am – 8:40am Science Rationale for COCONet.....E. Calais/J. Braun

8:40am – 9:10am Tectonics and Hazards of the Caribbean ..... C. DeMets

9:10am – 9:40am State of Caribbean Climate Science ..... C. Fuller

9:40am – 9:45am Charge to Breakout sessions .....J. Braun/E. Calais

9:45am – 10:00am Coffee break..... Puerto Rico 1

10:00am - 11:30am Breakout Sessions

Atmospheric, R. Kurzinski, Braun, Douglas ..... San Juan 1

Solid Earth, P. La Femina (Scribe: A. Lopez) ..... Puerto Rico 3

Broader Impacts and Capacity Building, T. Dixon..... San Juan 2

11:30am – 12:00pm Reports from Breakout Sessions ..... Puerto Rico 3

12:00pm – 1:00pm Lunch..... Puerto Rico 1



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**General Session II:** Identify existing stations with high quality GPS data that could be made freely and openly available to the geodetic community and identify locations for new COCONet geodetic/atmospheric infrastructure.

**Chairs:** Mike Jackson, Glen Mattioli, Richie Robertson, Hector Mora-Paez

**Session IIA:** Existing Geodetic Infrastructure, Chair, Glen Mattioli - (Co-Chairs: A. Borsa, S. Olds)

**Session IIA Objective:** This session will identify 60 (50 + 10 spare) stations with high quality GPS data that could be made freely and openly available to the geodetic community.

1:00pm – 1:15pm Coco/Nazca – Caribbean boundary ..... P. La Femina  
1:15pm – 1:30pm South American - Caribbean boundary ..... H. Mora-Paez  
1:30pm – 1:45pm North American – Caribbean boundary Lesser Antilles focus ..... J.B. de Chabaliere  
1:45pm – 2:00pm North American – Caribbean Boundary Cayman, Hispanola, Puerto Rico focus ..... G. Wang  
2:00pm - 3:00pm Discussion  
3:00pm – 3:15pm Break..... Puerto Rico 1

**Session IIB:** Station siting for new locations, Chair, Mike Jackson – (Co-Chairs: K. Feaux, J. Normandeau)

**Session IIB Objective:** This session will identify 60 (50 + 10 spare) new stations locations with a high probability of land-use access, data communications, and security.

3:15pm – 3:30pm Coco/Nazca – Caribbean boundary ..... M. Protti  
3:30pm – 3:45pm South American - Caribbean boundary ..... O. Perez  
3:45pm – 4:00pm North American – Caribbean boundary Lesser Antilles focus ..... R. Robertson  
4:00pm – 4:15pm North American – Caribbean Boundary Cayman, Hispanola, Puerto Rico focus ..... E. Calais  
4:15pm – 4:30pm Change control process..... Jackson  
4:30pm - 5:30pm Discussion  
5:30pm – 6:30pm Poster Session..... Ballroom Foyer  
6:30pm – 8:00pm Dinner..... Fountain Terrace (weather back up Caribeno Room)  
8:00pm – 10:00pm Evening Sessions  
Infrastructure brainstorming session (K. Feaux/B. Friesen)..... San Juan 1  
LiDAR Group Initiative discussion (C. Prentice/C. Crosby) ..... Puerto Rico 3

Introduction

The basics of Lidar

Applications of Lidar to active fault studies

Examples of recent, large-scale, open Lidar acquisitions

Open data access and capacity building

Discussion

(CLI steering committee: C. Prentice, C. Crosby, E. Calais, P. Mann, D. Phillips, C. Meertens, K. Frankel, R. Haugerud, R. Arrowsmith)



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## Friday, 4 February - Day 2 – Ballroom – Puerto Rico 3

**General Session III:** Capacity Building, Open Data and Training

**Chairs:** David Carlson and Raj Pandya

**Objective:** Develop a capacity building plan that articulates the activities that might build on COCONet infrastructure on the topics of International and in-country scientific capacity building and data sharing, international education partnerships, and risk mitigation.

7:00am - 8:00am	Breakfast.....	Puerto Rico 1
8:00am – 8:10am	Introduction: Making Geoscience Relevant to Development.....	E. Calais
8:10 am – 8:30am	Echoes of a Disaster: Seismic Risk and Lessons from Haiti .....	S. Hough
8:30am – 8:50am	Needs and Opportunities: The Caribbean Tsunami Warning System.....	C. von Hillebrandt
8:50am – 9:10am	COCONet and the Caribbean surveying community.....	A. Holsteinson
9:10am - 9:30am	International Partnerships for Shared Capacity: An IRIS perspective.....	O. Cabello
9:30am – 9:40am	Funding opportunities for international capacity building .....	J. Robin
9:40am – 9:45am	Charge to Breakout sessions .....	Pandya/Carlson
9:45am – 10:00am	<i>Coffee break</i> .....	<i>Puerto Rico 1</i>
10:00am – 11:15 pm	Breakout Sessions	
	International scientific and technical capacity building (V Cronin, Cabello) .....	San Juan 1
	The next generation: international education partnerships (Haase, Olds, Pandya) .....	San Juan 2
	The practitioners: connecting hazards to risk (J. Weaver, D Carlson).....	Puerto Rico 3
11:15am – 12:00pm	Reports from Breakout Sessions .....	Puerto Rico 3
12:00pm – 1:00pm	<i>Lunch break</i> .....	<i>Puerto Rico 1</i>
<b>General Session IV:</b>	Science: Siting & Capacity Building Plans – Working Groups	
<b>Chairs:</b>	Meghan Miller, Tim Dixon, Bob Wang	
<b>Objective:</b>	Written contributions to workshop report	
1:00pm – 1:20pm	Summary of progress and charge to writing breakouts by Organizing Committee.....	Puerto Rico 3
1:20pm – 2:50pm	Writing Breakout Sessions	
	Refinements to science plan (Calais, Braun).....	San Juan 1
	COCONet siting plan and change control process (Mattioli, Jackson) .....	Puerto Rico 3
	Capacity building opportunities in the Caribbean (Dixon, Carlson) .....	San Juan 2
2:50pm – 3:05pm	Reports from Breakout Sessions .....	Puerto Rico 3
3:05pm – 4:00pm	Wrap-up session .....	Puerto Rico 3
4:00pm – 6:00pm	Poster Session.....	Ballroom Foyer
Evening	On Own	
6:00pm – 9:00pm	MAW Working Group Chairs meeting (closed) .....	Dinner in Ponce and Rincon Room



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## Saturday, 5 February – Day 3 – San Juan I

**Participants:** Organizing Committee  
**Objective:** Complete draft of workshop report

9:00am Writing Session .....COCONet Organizing Committee

