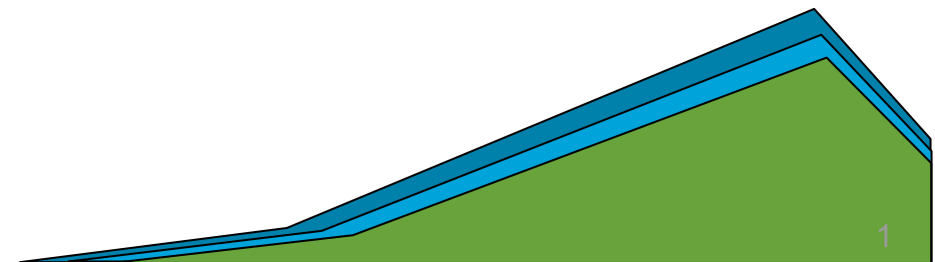


# COCONet:

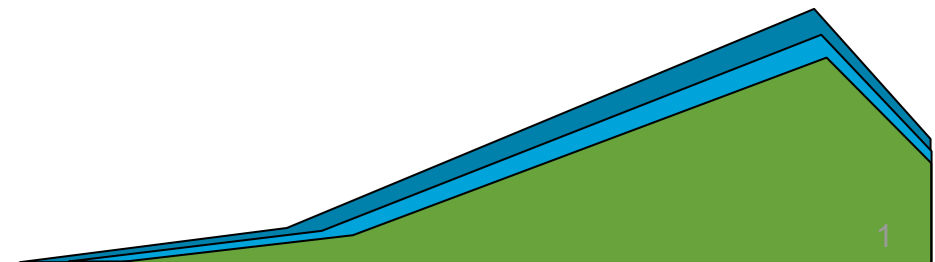
(Continuously Operating Caribbean GPS Observation Network)

## Operations Update and Opportunities for International Collaboration

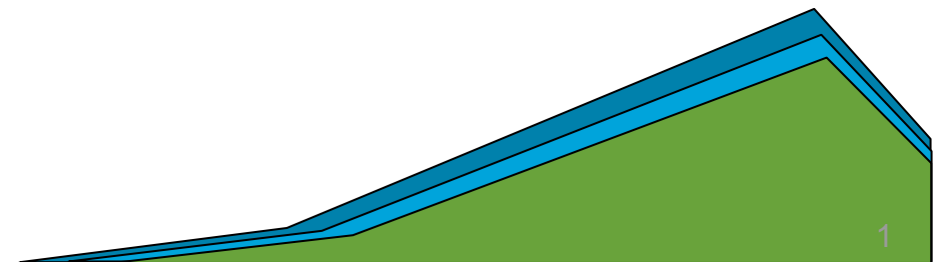
Dave Carlson



- Operations
- International Collaboration
  - Training
  - Tools
  - Translation



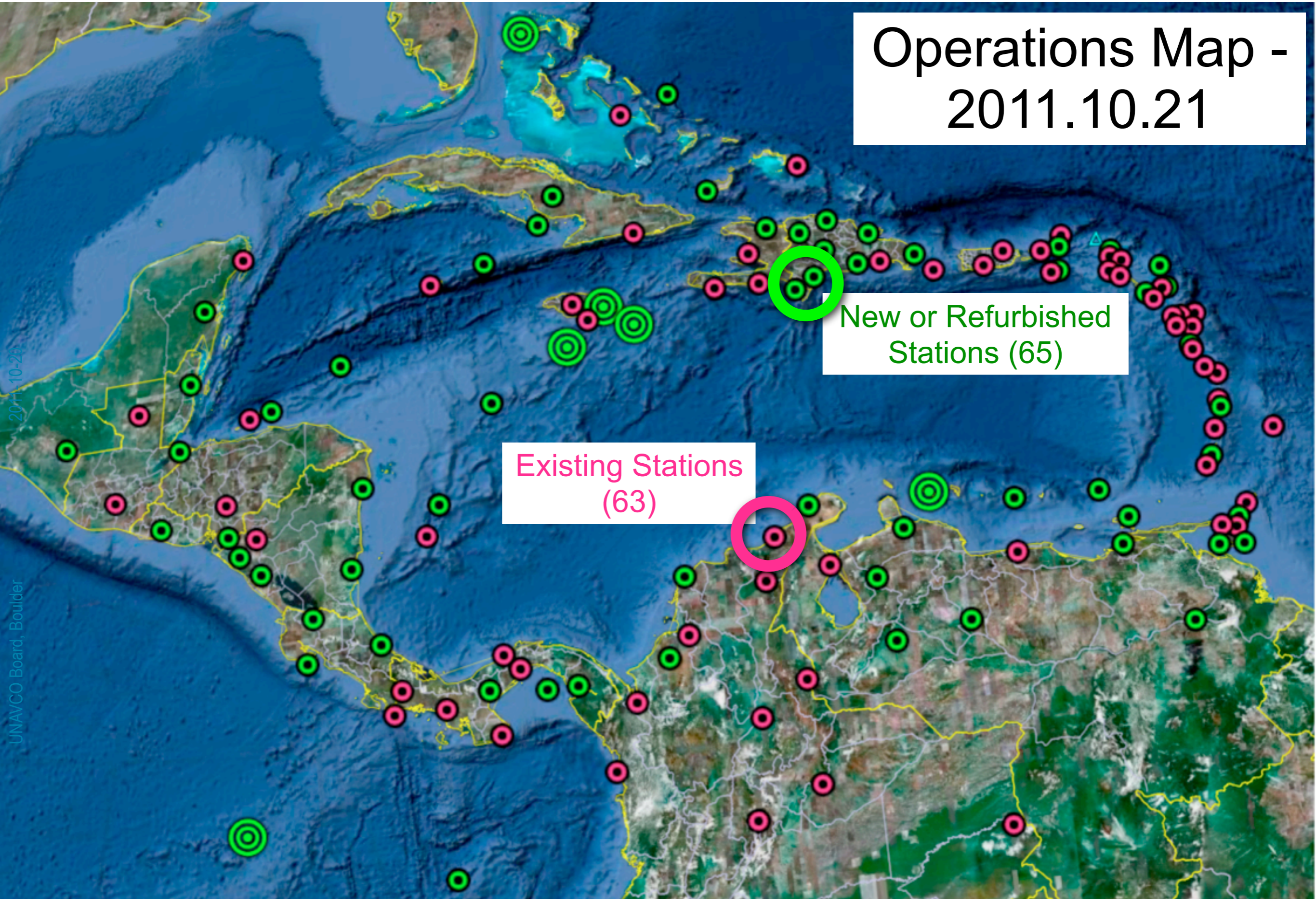
- Focused on Multiple Hazards:
  - Tectonic (earthquake and volcano)
  - Weather (hurricanes)
  - Sea-level rise (tsunamis)
- ◆ Open Data Access Policy



# Operations Map - 2011.10.21

New or Refurbished  
Stations (65)

Existing Stations  
(63)



# Operations Map - 2011.10.21

INSTALLED



2011.10.21

UNAVCO Board, Boulder

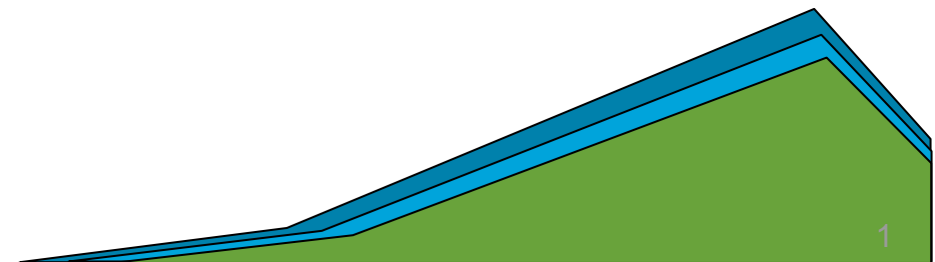
# Station ISCO Cocos Island

2011-10-20

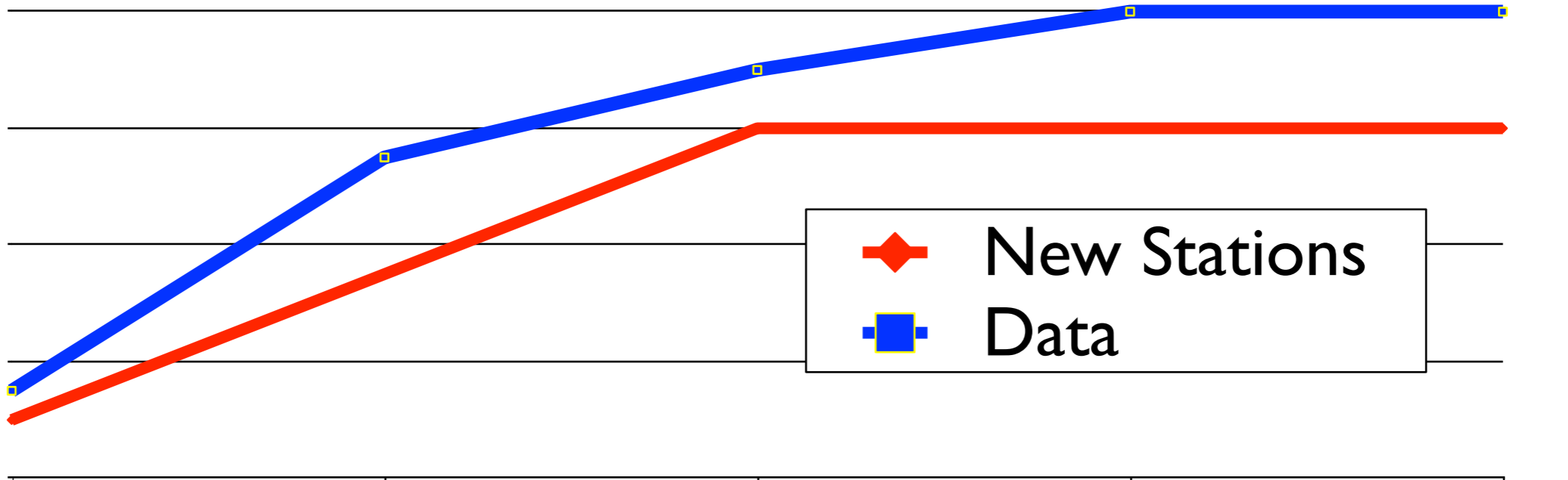
UNAVCO Board, Boulder



- International Collaboration
  - Multi-directional
  - Multi-disciplinary



# COCOONet Operations



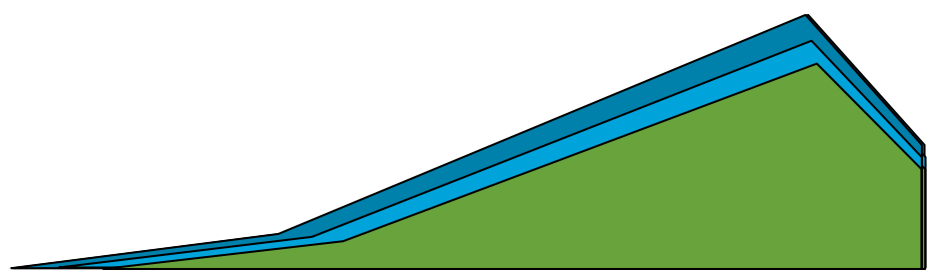
2011  
↑  
Community Meeting

2012  
↑  
Site Operators Meeting  
↑  
ICTP-TWAS Central America Workshop

2013  
↑  
Data Processing Short Course

2014

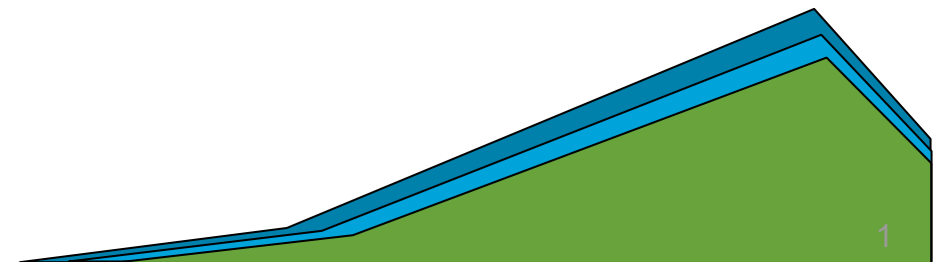
2015



2011-11-02  
ITCP TWAS Workshop on Seismic Sources in Central America



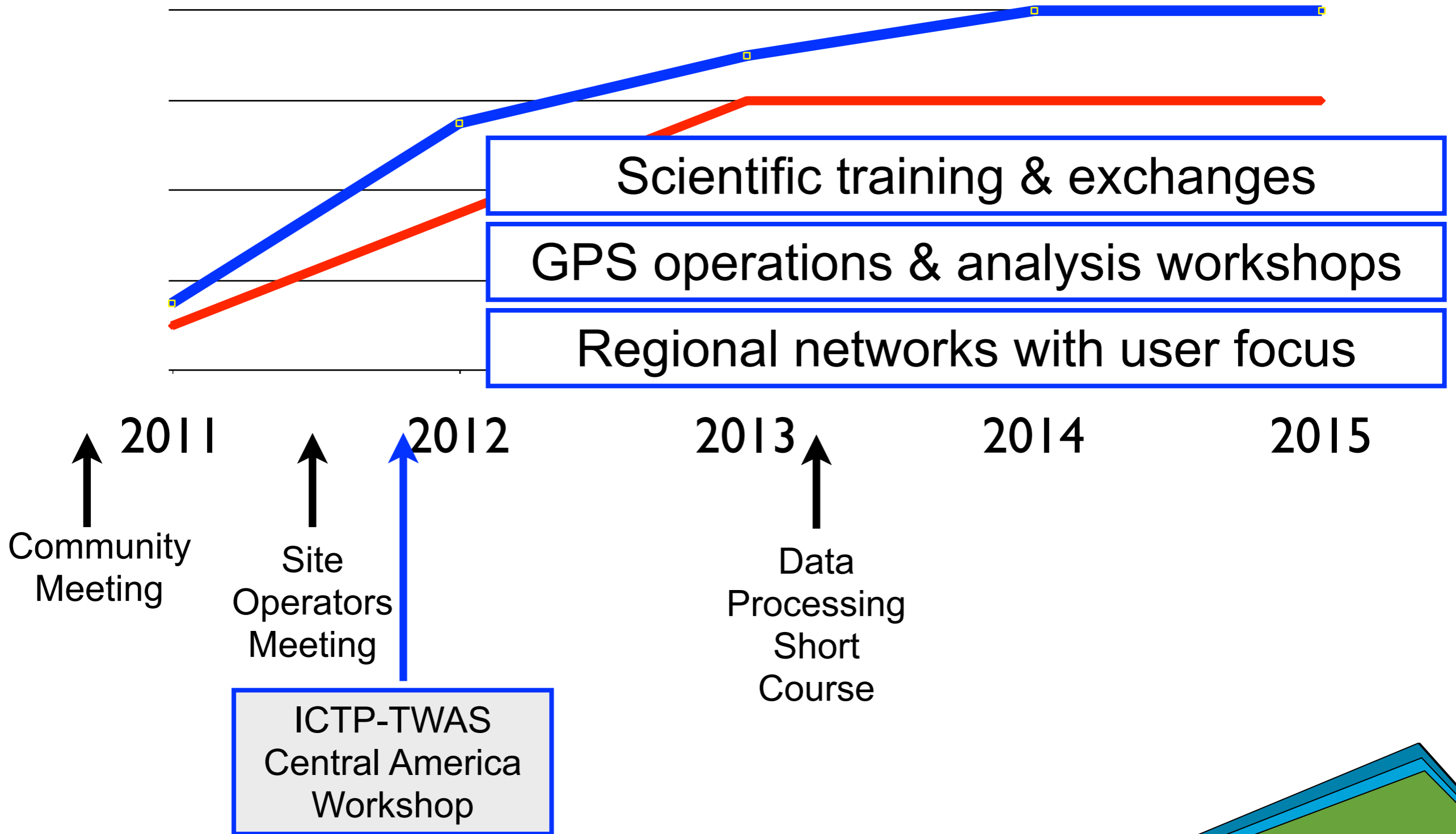
- Training (and sustaining)
  - Scientific exchanges (students) & workshops
  - Web portal
  - Local coordinator network
- Tools
  - GPS analysis
  - Data sharing & archive networks
  - Operations support
- Translation (to stakeholders & users)
  - Regional connections
  - Web site resources
  - User-focused products



# COCOONet Operations

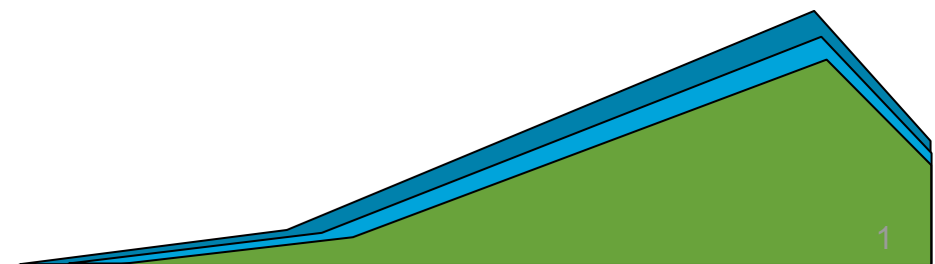
2011-11-02

ITCP TWAS Workshop on Seismic Sources in Central America



# COCONet Opportunities

- Pan-American Advanced Studies Institutes
  - USA NSF
  - Graduate students, post-Docs, early faculty
  - Short courses & workshops
  - January 2012!!
- Research Coordination Networks
  - USA NSF
  - International & interdisciplinary science networks
  - Scientific meetings & conferences, web sites
  - February 2012!!
- Other ...
  - ICTP Office of External Activities
  - .....



# COCONet Potential Partners

- Scientific & Facility Partners
  - UNAVCO, IRIS
  - National & regional science networks
  - ICTP, TWAS, ICSU regional office
- Operational Partners
  - National & regional seismic networks
  - Tsunami Warning Center(s)
  - Weather, aviation, navigation ...
- Stakeholders
  - Researchers
  - Hazards managers & responders
  - Surveyors, planners, educators, ...



**COCONet**  
CONTINUOUSLY OPERATING CARIBBEAN  
GPS OBSERVATIONAL NETWORK

# Prototype Website

Sponsored by:



Search:

- HOME
- COCONET SCIENCE
- PEOPLE & PARTNERSHIPS
- DATA
- PHOTOS & VIDEO
- EVENTS & MEETINGS
- CONTACT

Understanding the factors that control earthquake and hurricane hazards requires getting more real-time data along earthquake zones and data from the atmosphere over the Caribbean Ocean.

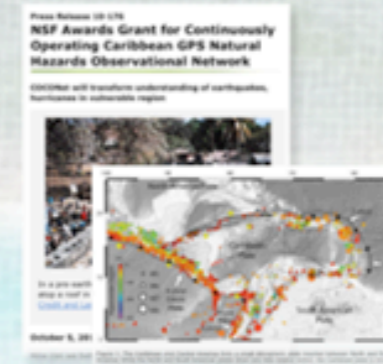
COCONet will help further this goal by adding 50 high-precision permanent GPS stations to 50 existing ones in Caribbean and Caribbean-border nations. These instruments are able to detect millimeter changes in the movement of Earth's crust.



Download Workshop report  
[Español »](#) | [Français »](#) | [English »](#)



Download Workshop presentations »



Proposal and NSF announcement »

## COCONet Interactive Map



## Most Recent Installation

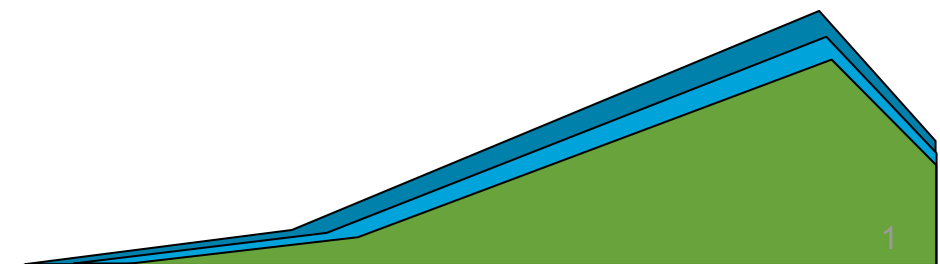


Location Name  
Coordinates  
Description of site here.

2011-10-20

UNAVCO Board, Boulder

- Actions from this workshop:
  - Confirm training, tools, translate ideas
  - Establish coordination group for proposals
  - Establish plan(s) for crossing disciplines



# Operations Map - 2011.10.21

