

ASSOCIATION OF CARIBBEAN STATES (ACS)

20 th MEETING OF THE SPECIAL COMMITTEE ON DISASTER RISK REDUCTION Port of Spain, Trinidad-and-Tobago, 22nd-23rd November, 2012



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- >SHOCS Final Workshop



STRENGTHENING HYDROMETEOROLOGICAL OPERATIONS AND SERVICES IN THE CARIBBEAN SIDS (SHOCS)

Phase | 2010-2012



Partners

- Association of Caribbean States (ACS)
- Finnish Meteorological Institute (FMI)

Funding and Governance

- Ministry for Foreign Affairs of Finland
- Institutional Cooperation Instrument (ICI)

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Primary Stakeholders: CMO, CIMH, WMO, CDEMA

The local stakeholders are the various organizations within the SIDS involved with MHEWS and DRR, such as Rescue units, NGO's, schools, women's groups and community focal points.



SHOCS II logistics in brief:

- -Funding mechanism:
 Insitutional Capacity building Instrument (ICI)
- **—Duration: Sep 2010 Dec 2012**
- Funding Agency:Ministry for Foreign Affairs of Finland
- -Budget: Million Euros

06/12/2012



Project Objectives

Short term:

- ▶ Enhanced capacity of ACS on the strategic planning of the entire process of Disaster Risk Reduction
- ▶ Enhanced capacity of the NMHSs and DRR agencies to provide services for <u>safety</u> and <u>preparedness</u> against natural hazards.

Long term:

▶ The Caribbean societies are better prepared for adverse effects of natural disasters and harmful impacts of climate change

06/12/2012



1st Result of SHOCS:

 Enhanced know-how on Multi-hazard Early Warning Systems and Disaster Risk Reduction. Support to participation of SIDS in MHEWS- DRR related regional

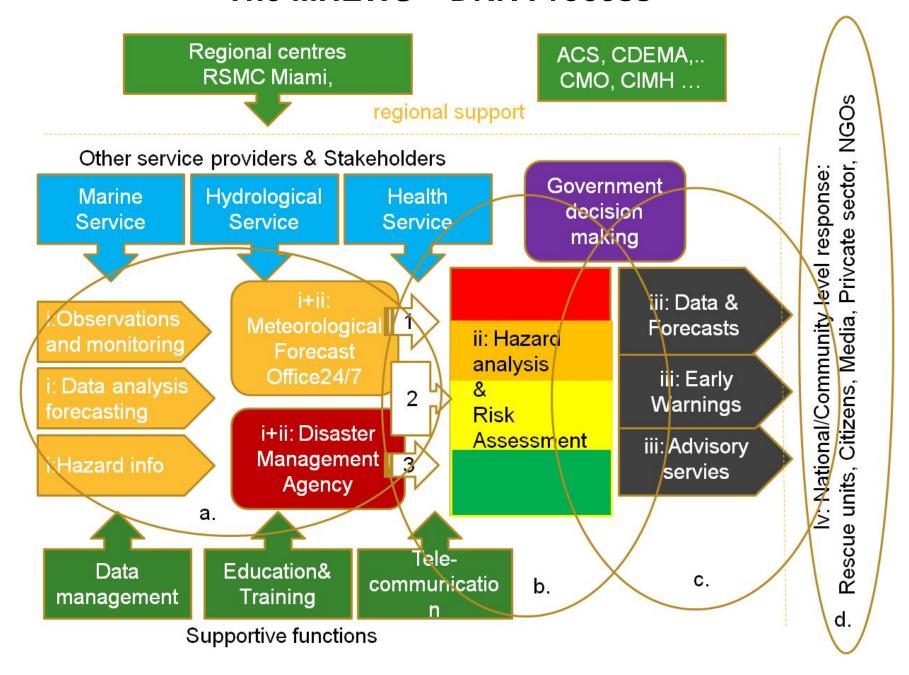
workshops.

26 Out of 34
 participants from the
 Caribbean Region
 were supported by
 SHOCS



WMO MHEWS Technical workshop Barbados 2010

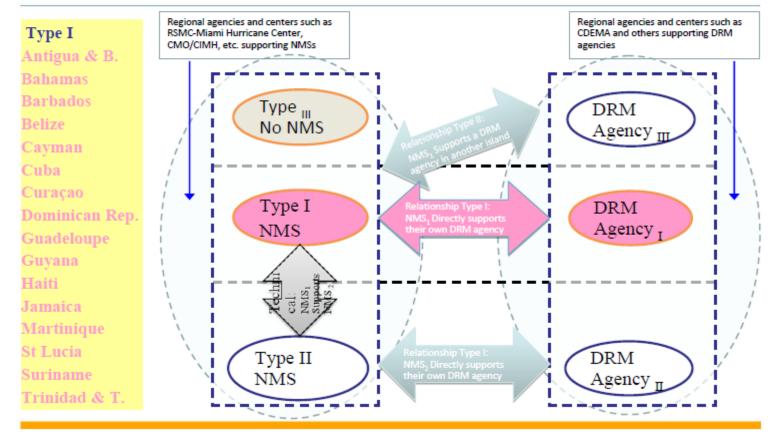
The MHEWS – DRR Process







Complex relationships between Disaster Management Agencies and Meteorological Services



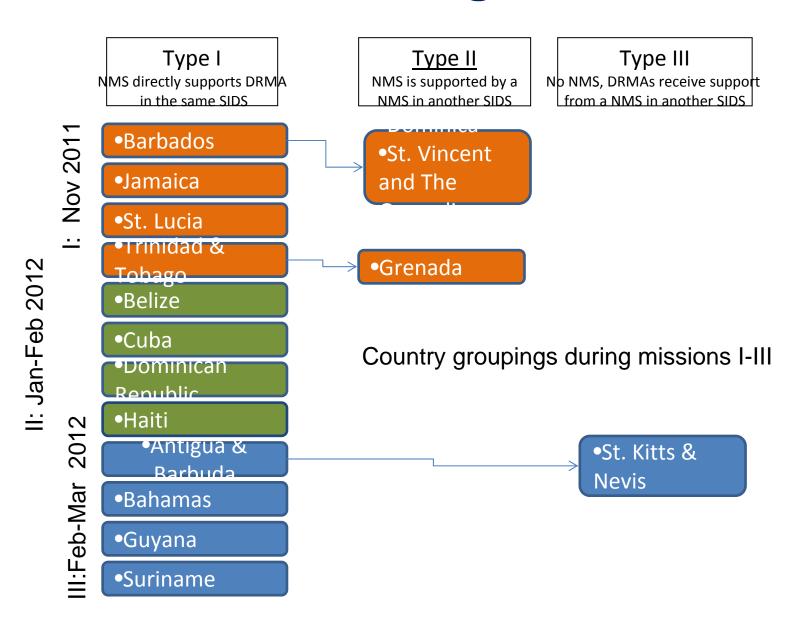


2nd Result of SHOCS:

- Capacity assessment on future needs of development of MHEWS and DRR including 16 SIDS in Dec 2011 – March 2012.
- Participation from the NMHS, DMA and related regional and local organizations.
- 16 country reports
- 3 mission reports
- 1 Summary report.



Round tour through SIDS





Major themes of the Assessment

- i. Observation, hazard detection, monitoring and forecasting
- ii. Incorporating risk information in emergency planning and warning messages
- iii. Dissemination and Communication of risk information and early warnings
- iv. National and community level response to early warnings

06/12/2012



Priority needs identified

- Strengthening capacity for MHEWS and DRR to build the institutional capacity
- Strengthening methods and technical resources to enhance hazard detection, monitoring and forecasting
- Strengthening capacity for communicating watches, warnings and advisories
- Political recognition and legislation for MHEWS and DRR
- Training in basic skills in meteorology and disaster management
- Enhancing methods and techniques to disseminate watches, warnings and advisories



Standardised communications platform with standardized operating procedures

RESULTS OF ASSESSMENT Regional Priorities

Strengthen capacity of the SRC to provide 24-hours-a-day real time information

harmonized colour-coded visualization system for weather related alerts indicating areas of elevated risk

Training in the principles of Quality Management and Result Based Management

Establish performance indicators and a Caribbean-wide auditing process for QMS certified agencies.



3rd Result of SHOCS:

2nd SHOCS QMS Workshop Rodney Bay, St. Lucia 5–9 Dec 2011

1st SHOCS QMS Workshop Bridgetown, Barbados 9–13 May 2011



06/12/2012

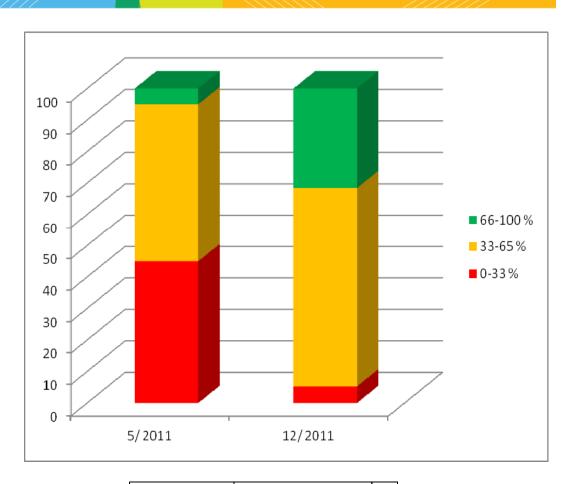
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76		100	100		70	40	20	100		80	80	50	85	90	90	50	70	70	70	100	100		5.5.1 Responsibility and authority
68		60	60		60	80	30	70		50	80	50	90	90	50	100	40	80	80	100	50		5.5.3 Internal communication
38		70	60		40	40	30	0		30	60	40	50	50	10	90	20	10	10	70	0		5.6 MANAGEMENT REVIEW
78		80	100		60	90	60	40		60	70	60	70	100	100	100	60	80	100	100	n/a		6.1 Provision of resources
79		80	50		60	80	60	70		80	80	90	95	100	70	90	60	90	70	100	90		6.2 HUMAN RESOURCES
78		80	100		80	80	50	30		60	80	60	95	70	60	100	100	100	100	100	60		6.3 INFRASTRUCTURE
84		70	100		80	90	90	80		70	80	60	95	60	80	100	100	100	100	100	60		6.4 Work environment
63		80	50		50	60	30	20		40	60	40	70	70	80	100	70	50	100	80	90		7.1 Planning of product realization 7.2.1 Determination of
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45					60	0				30	70	30	80	50		70	20	0	_	90			DEVELOPMENT
52 51		60 80	50 50		70 70	20 0	40 70	80 0		90 60	70 80	10 20	95 85	50 50	30 100	70 70	30 50	0 0	0 50	90 20	80 70		7.4 PURCHASING 7.5.1 Control of production and service provision



Training to NMHSs Quality
Managers for developing
QMS for Aeronautical
Services as required by
ICAO to be in place by
November 2012. Two
inter-linked training (May
and Dec 2011) with 21
Caribbean SIDS NHMSs.





Level of QMS	Wor		
implementation	5/ 2011	12/ 2011	
0-33 %	45	5	%
33-65 %	50	63	%
66-100 %	5	32	%
	100	100	



Coordinating team of Finnish Government:

- **❖** Mikko Pyhälä, MFA
- **❖** Hannele Halmeranta , MFA

Composition of the Project Board:

- **❖** Jeremy Collymore, CDEMA (Chair)
- Luis Andrade Falla/Alfonso Muñera, ACS
- **❖** Eduardo Gonzalez, ACS
- Oscar Arango, WMO
- **❖**Tyrone Sutherland, CMO
- ❖ Harri Pietarila, FMI



Project team:

- Mathieu Fontanaud, ACS (DRR expert)
- Sandra Fonseca, ACS (Project Assistant)
- Salome Buglass, ACS (Project Assistant)
- Heikki Juntti, FMI (QMS trainer)
- Alberto Blanco, FMI (QMS trainer)
- Riikka Pusa, FMI (Project Assistant)
- Minna-Kristiina Sassi, FMI (Project Assistant)
- Hanna Manninen , FMI (Project Assistant)



Consulting Experts:

- Herbert Puempel, WMO (QMS trainer)
- Alain Boisvert, MSC (QMS trainer)
- Vernese Inniss, Ecoisle Inc. (Feasibility study consultant)

Special thanks to

- Patricia Phillip, ACS, for organization of this event'!
- **❖** José Rubiera, INSMET, for presenting the QMS results in the ACS SC DRR Bogota meeting.