



OCTs Regional Risk Reduction Initiative (R3I) Provision of Services to Caribbean OCTs Lot 1: GIS and Vulnerability Assessment

TRAINING

Aruba; May 4-6, 2011

Formal Launch of OCTs Regional Risk Reduction Initiative (R3I): Provision of Services to Caribbean OCTs ; Lot 1:
GIS and Vulnerability Assessment



Training

In order to guarantee the success of any project, the first requirement is that all the involved people should be suitably skilled, to have the knowledge and the ability to manage and work with it. For this reason a strong attention has been paid in the organization of the training.

Through the training/workshop sessions the OCT Unit staff will acquire all the abilities to manage the GIS technology underlying the Hazard Management and Vulnerability Assessment and guarantee its improvement.

Training

Two kind of workshop/training are foreseen:

➤ Regional Workshops:

- to let stakeholders acquire the base knowledge and ability to deal with the specific subjects,
- To meet and exchange the different experience and information among the OCT, having feedback on the on the ongoing project and making common assessment on the achievement of project results

The location of the regional workshops should be evaluated and agreed

➤ In country workshops:

- To deal with each country specificity

Regional Training/workshop

Phase I-b: Data needs assessment, data collection, and data quality assessment

- *Regional Training workshop1: Introduction to GIS Concepts and Applications [2 days]*

Phase II-a: Support for Third party Acquisition of data and equipment

- *Regional Training workshop2: Data collection using GPS/GIS handheld equipment [3 days]*

Phase II-b: Pre-processing of data collected

- *Regional Training workshop3: Editing and managing spatial data [3 days]*
- *Regional Training workshop4: Feature extraction from satellite imageries [3 days]*



Regional Training/workshop

Phase IV-h: Technical Review Panel and public outreach

- *Regional* technical review workshop on the results of the analysis [2 days]

Phase V-a: Hazard database

- *Regional* training workshop 10: Database design and development [3 days]
- *Regional* training workshop 11: Digital cartography and map visualization [4 days]

Phase V-b: Disaster management applications

- *Regional* training workshop 12: Building GIS Applications for Disaster Management [5 days]



In-Country Training/workshop

Phase IV-b: Structural vulnerability (critical buildings, facilities and infrastructure)

- *In-country* training workshop 4: Field data collection [2 days each]
- *In-country* training workshop 5: Quantitative Risk Assessment [1 day each]

Phase IV-c: Loss Estimation and vulnerability curves

- *In-country* training workshop 6: Loss Estimation Techniques [3 Days]

Phase IV-d: Operational vulnerability assessment

- *In-country* training workshop 7: operational vulnerability assessment method [2 Days]



In-Country Training/workshop

IV-e: Social vulnerability assessment

- *In-country* training workshop 8: Social vulnerability assessment techniques [3 days]

IV-f: Environmental vulnerability assessment

- *In-country* training workshop 9: Environmental vulnerability assessment techniques [3 days]

Phase IV-h: Technical Review Panel and public outreach

- *In-country* technical review workshop on the results of the analysis [2 days each]



In-Country Training/workshop

The purpose of the IV-h in-country technical review workshops will be to:

- Evaluate the quality of the work provided by the consultant and provide them with necessary feedback
- Provide the stakeholders with a good understanding of the factors affecting their vulnerability, the indices used and the suggested work plan for strengthening their resilience.
- Develop a long term strategy with a view to monitor and update the vulnerability indices

In-Country Training/workshop

Phase V-b: Disaster management applications

- *In-country* training workshop 13: End-user training on the use of the applications [3 days each]

Phase V-d: Adaptation of tools and products for decision makers and public awareness

- *In-country* training workshop 15: Use and configuration of web-EOC communication [2 days each]



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Training Documentation

Training books / slides: Structured in chapters and paragraphs, one for each subject. Each chapter containing the session's track.

Exercise books: Containing the exercises relevant to each subject handled inside training slides.

Training data: Spatial (vector and raster) and non-spatial data to be used in each exercise.



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Training/workshop foreseen schedule

Phase	Type	Title	Foreseen period
I-b	Regional	Introduction to GIS Concepts and Applications	May 2011
II-a:	Regional	Data collection using GPS/GIS handheld equipment	End June 2011
II-b	Regional	Editing and managing spatial data	End July 2011
II-b	Regional	Feature extraction from satellite imageries	End July 2011
IV-b	In-country	Field data collection	July 2011
IV-b	In-country	Quantitative Risk Assessment	Aug-Sept 2011
IV-c	In-country	Loss Estimation Techniques	Aug-Sept 2011
IV-d	In-country	Operational vulnerability assessment method	Aug-Sept 2011
IV-e	In-country	Social vulnerability assessment techniques	Aug-Sept 2011
IV-f	In-country	Environmental vulnerability assessment techniques	Aug-Sept 2011
IV-h	Regional	Technical review workshop on the results of the analysis	End November 2011
IV-h	In-country	Technical review workshop on the results of the analysis	End November 2011
V-a	Regional	Database design and development	January 2012
V-a	Regional	Digital cartography and map visualization	March 2012
V-b	Regional	Building GIS Applications for Disaster Management	February 2012
V-b	In-country	End-user training on the use of the applications	September 2012
V-d	In-country	Use and configuration of web-EOC	November 2012