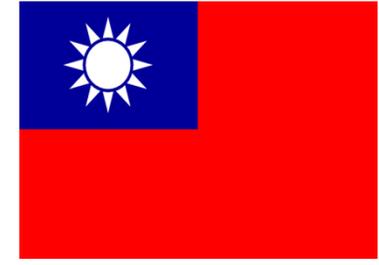




REPUBLIC OF PANAMA
MINISTRY OF GOVERNMENT
NATIONAL CIVIL PROTECTION SYSTEM
(SINAPROC)



National Science and Technology Center for Disaster Reduction

International Training Workshop for Natural Disaster Reduction

May 14 - 18, 2012



Humberto A. Brown

Republic of Panamá



Projects of Communities for Risk Management in Panama.

Objectives of Projects:

Integrating community participation in risk management activities (prevention, mitigation, preparedness and response generators event of damage), so that we have communities more resilient to the threats to which they are exposed.

FOR EYES ONLY

COMMUNITY ORGANIZATION PROJECTS RISK MANAGEMENT

PROJECTS:	PERIOD:	DONOR AGENCY:	COMMUNITIES WITH BENEFITS:																					
<p>"Proposed the Incorporation of Adaptation of Measures and Mitigation of Climate change in the Management of Natural Resources in two priority Watersheds of Panama"</p>  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="background-color: #f4a460;">Watershed: Río Chucunaque</th> </tr> <tr> <th style="background-color: #f4a460;">Territory</th> <th style="background-color: #f4a460;">Area (Ha)</th> <th style="background-color: #f4a460;">Percentage (%)</th> </tr> </thead> <tbody> <tr> <td>Surface</td> <td>374,921.26</td> <td>73.97</td> </tr> <tr> <td>Emberá and Wounaan</td> <td>281,768.79</td> <td>55.59</td> </tr> <tr> <td>Kuna of Wargandi</td> <td>93,152.47</td> <td>18.38</td> </tr> <tr> <td>Darién Province</td> <td>131,931.96</td> <td>26.03</td> </tr> <tr> <td>Total Surface</td> <td>506,853.22</td> <td>100.00</td> </tr> </tbody> </table>	Watershed: Río Chucunaque			Territory	Area (Ha)	Percentage (%)	Surface	374,921.26	73.97	Emberá and Wounaan	281,768.79	55.59	Kuna of Wargandi	93,152.47	18.38	Darién Province	131,931.96	26.03	Total Surface	506,853.22	100.00	<p>2008 - 2011</p>	<p style="text-align: center;">UNITED NATIONS (UN):</p> <p style="text-align: center;">FAO OPS/OMS PNUD PNUMA</p> <p style="text-align: center;">AGENCIES:</p> <p style="text-align: center;">The National Environmental Authority (ANAM)</p> <p style="text-align: center;">Ministry of Agricultural Development (MIDA)</p> <p style="text-align: center;">Ministry of Health (MINSA)</p> <p style="text-align: center;">National Civil Protection System (SINAPROC)</p>	<p>Watershed: <i>Río Chucunaque</i></p> <p>Region: Embera Wounaan</p> <ul style="list-style-type: none"> • Lajas Blancas • El Salto • Alto Playòn • Peña Bijagual • Mogote • Yaviza <p>Region: Kuna of Wargandi</p> <ul style="list-style-type: none"> • Nurra • Wala • Morti
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Poblados Cuenca del Río Tabasará



Watershed: Río Tabasará

Territory	Area (Ha)	Percentage (%)
Ngäbe-Buglé	82420.90	51.74
Provinces of Chiriquí and Veraguas	76888.49	48.26
Total Surface	159309.39	100.00

Watershed:
Río Tabasará

Region:
Ngobe Bugle

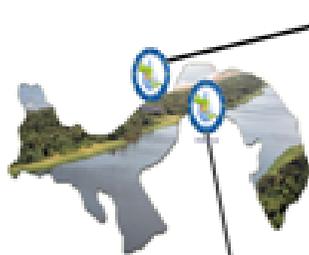
- Cerro Vaca
- Sitio Prado
- Llano Ñopo

"Regional Program for the
Reduction of Vulnerability and
Environmental Degradation"
PREVDA



UNIÓN EUROPEA

Programa Regional de Reducción de la Vulnerabilidad
y Degradación Ambiental -PREVDA-



País: Panamá
Cuenca: Río Indio
Subcuencas: Ríos El Jobo, La Encantada,
El Guásimo, Río Indio
Cobertura: Provincias de Colón, Coclé y
Panamá
Población beneficiada: 7641 habitantes

País: Panamá
Cuenca: Río Pacora
Subcuencas: Cabobré, Utivé, Tataré y Río Indio
Cobertura: Provincia de Panamá
Población beneficiada: 26857 habitantes

Unidad de Gestión Nacional
PREVDA - Panamá



2008-2010

**Watershed:
Río Indio**

- La Encantada
- Limón
- El Jobo
- Santa Rosa
- Quebrada Bonita
- Río Indio
- Pueblo Viejo
- Salsipuedes

**Watershed:
Río Pacora**

- La Mesa, San Martín
- Carriazo
- San Miguel
- Río Indio
- Caña Blanca
- Bajo El Piro
- Loma Bonita
- Juan Gill
- La Chapa

ACHIEVEMENTS

DISASTER RISK REDUCTION MANAGEMENT

PROJECT:	ACHIEVEMENTS:	COMMUNITIES WITH BENEFITS:
<p>"Proposed the Incorporation of Adaptation of Measures and Mitigation of Climate change in the Management of Natural Resources in two priority Watersheds of Panama"</p>	<p>Meetings and coordination with authorities and non-traditional for the reactivation of the Risk Management activities in the region.</p>  <p>Participation in meetings of the Coordination Committee for Local Community of Chucunaque watershed in Yaviza - Darién.</p> 	<p>Watershed: <i>Río Chucunaque</i></p> <p>Region: Embera Wounaan</p> <ul style="list-style-type: none"> • Lajas Blancas • El Salto • Alto Playón • Peña Bijagual • Mogote • Yaviza

Creation of the Local Risk Management at each community.



Training to the Committees on Local Risk Management, Community First Aid, Damage Assessment, Shelter Management, Emotional Support in case of emergencies or disasters.



Application Community Survey in order to create a database in case of emergencies or disasters.



Development of the Community Emergency Plan at each community.



Development of the Risk Community Mapping and Resources in each community with the participation of the residents.



Workshop on Community Preparedness in case of flooding.



Extinguishers Management Workshop at the Health Center.



Safety Measures in case of Earthquakes for students of the communities.



Georeferenced Survey of all households in the communities of Nurra, Wala and Morti.



Application of the Community Survey in order to create a database in case of emergencies or disasters.



Watershed:
Río Chucunaque

Region:
Kuna of Wargandi

- Nurra
- Wala
- Morti

Meetings and coordination with traditional authorities and non-traditional revival of Risk Management activities in the region.



Meetings and coordination with traditional authorities and non-traditional revival of Risk Management activities in the region.



Watershed:
Río Tabasará

Region:
Ngabe Bugle

- Cerro Vaca
- Sitio Prado
- Llano Ñopo

OTHER ACHIEVEMENTS

Community Organization Workshop, aimed at instructors of the Provincial and Regional bases. SINAPROC Academy Headquarters.



FOR IT ONLY

"Regional Program for the Reduction of Vulnerability and Environmental Degradation"

PREVDA

Conducted three (3) Evacuation Drills Exercises, to the threat of flooding in the community of Juan Gil Pacora watershed, Panama East and in the community of Pueblo Viejo in the Rio Indio Colon.



Training to the Committees on Local Risk Management, Community First Aid, Damage Assessment, Shelter Management, Emotional Support in case of emergencies or disasters.

Development of the Community Emergency Plan in each community, with community participation.

Developing the Risk Community Mapping and Resources in each community.



Watershed:
Río Indio (Colón)

- La Encantada
- Limón
- El Jobo
- Santa Rosa
- Quebrada Bonita
- Río Indio
- Pueblo Viejo
- Salsipuedes

Watershed:
Río Pacora (East Panamá)

- San Miguel
- Carriazo
- La Chapa
- Río Indio
- Juan Gill
- Loma Bonita
- La Mesa
- Bajo El Piro
- Caña Blanca

EARLY WARNING SYSTEMS FOR COMMUNITY (EWS)

PROJECT	INSTALLED EQUIPMENT	COMMUNITIES WITH BENEFITS
<p>"Proposed the Incorporation of Adaptation of Measures and Mitigation of Climate change in the Management of Natural Resources in two priority Watersheds of Panama"</p>	<p>Radio Communications</p>   <p>Rules LineMetrics</p>  	<p>Watershed: <i>Río Chucunaque</i></p> <p>Region: Kuna de Wargandi</p> <ul style="list-style-type: none"> • Nurra • Wala • Morti

Radio Communications



Watershed:
Río Chucunaque

Region:
Embera Wounaan

- Lajas Blancas
- El Salto
- Peña Bijagual

Rules LineMetrics



- Lajas Blancas
- El Salto
- Alto Playòn
- Peña Bijagual
- Mogote
- Yaviza

Marking of the Community of El Salto in case of flooding.



- El Salto

	<p>Installations of a communications relay to improve coverage in the watershed of Tabasará.</p>	<p>Watershed: <i>Río Tabasará</i></p> <p>Region: Ngabe Bugle</p> <ul style="list-style-type: none"> • Volcán Barú
<p>"Regional Program for the Reduction of Vulnerability and Environmental Degradation" PREVDA</p>	<p>Radio Communications</p>	<p>Watershed: <i>Río Indio (Colón)</i></p> <ul style="list-style-type: none"> • Bonita • Río Indio • Pueblo Viejo • El Chilar
	<p>Maintenance was given to the Communications Network of the watershed of Pacora.</p> <div data-bbox="562 1070 1077 1503">  </div> <div data-bbox="1111 1066 1599 1503">  </div>	<ul style="list-style-type: none"> • Guagaral • La Chapa • La Mesa • San Miguel

**MINISTRY OF GOVERNMENT
NATIONAL CIVIL PROTECTION SYSTEM
DIRECTION OF THE ACADEMY**

NATIONAL TRAINING PERFORMED IN 2011

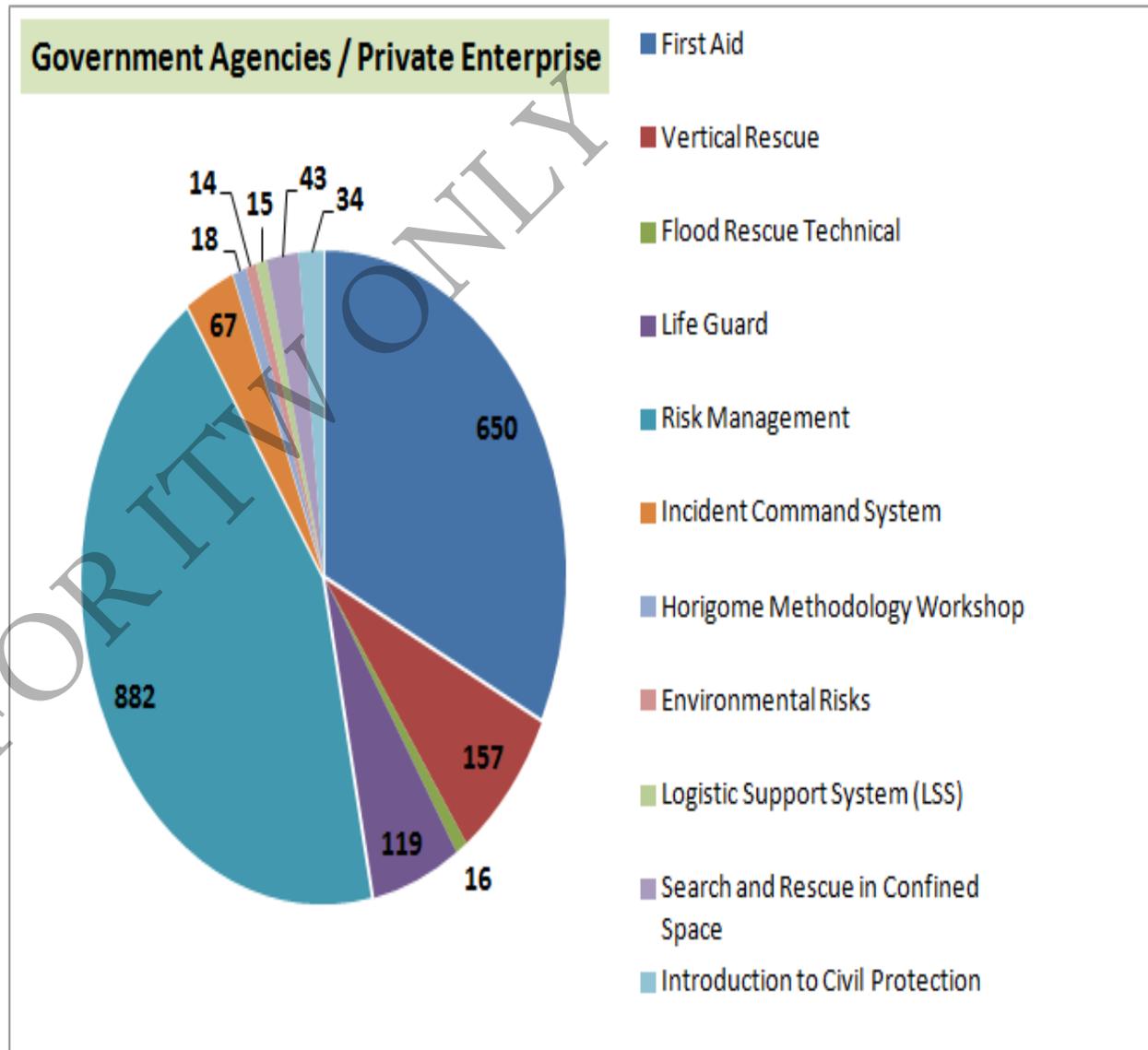
<i>Beneficiary</i>	<i>First Aid</i>	<i>Vertical Rescue</i>	<i>Flood Rescue Technical</i>	<i>Lifeguard and Water Safety</i>	<i>Risk Management</i>	<i>Incident Command System</i>	<i>Horigome Methodology Workshop</i>	<i>Environmental Risks</i>	<i>Logistic Support System (LSS)</i>	<i>Search and Rescue in Confined Spaces</i>	<i>Introduction to Civil Protection</i>	TOTAL
Government Institutions	451	157	16	119	282	67	18	14	15	0	34	1,173
Private Enterprise	199	0	0	0	600	0	0	0	0	0	0	799
International Courses	0	0	0	0	0	0	0	0	0	43	0	43
TOTAL:	650	157	16	119	882	67	18	14	15	43	34	2,015

(NOTE: Values represent numbers of trained)

**MINISTRY OF GOVERNMENT
NATIONAL CIVIL PROTECTION SYSTEM
DIRECTION OF THE ACADEMY**

NATIONAL TRAINING PERFORMED IN 2011

Government Agencies / Private Enterprise	
First Aid	650
Vertical Rescue	157
Flood Rescue Technical	16
Life Guard	119
Risk Management	882
Incident Command System	67
Horigome Methodology Workshop	18
Environmental Risks	14
Logistic Support System (LSS)	15
Search and Rescue in Confined Space	43
Introduction to Civil Protection	34
TOTAL	2,015

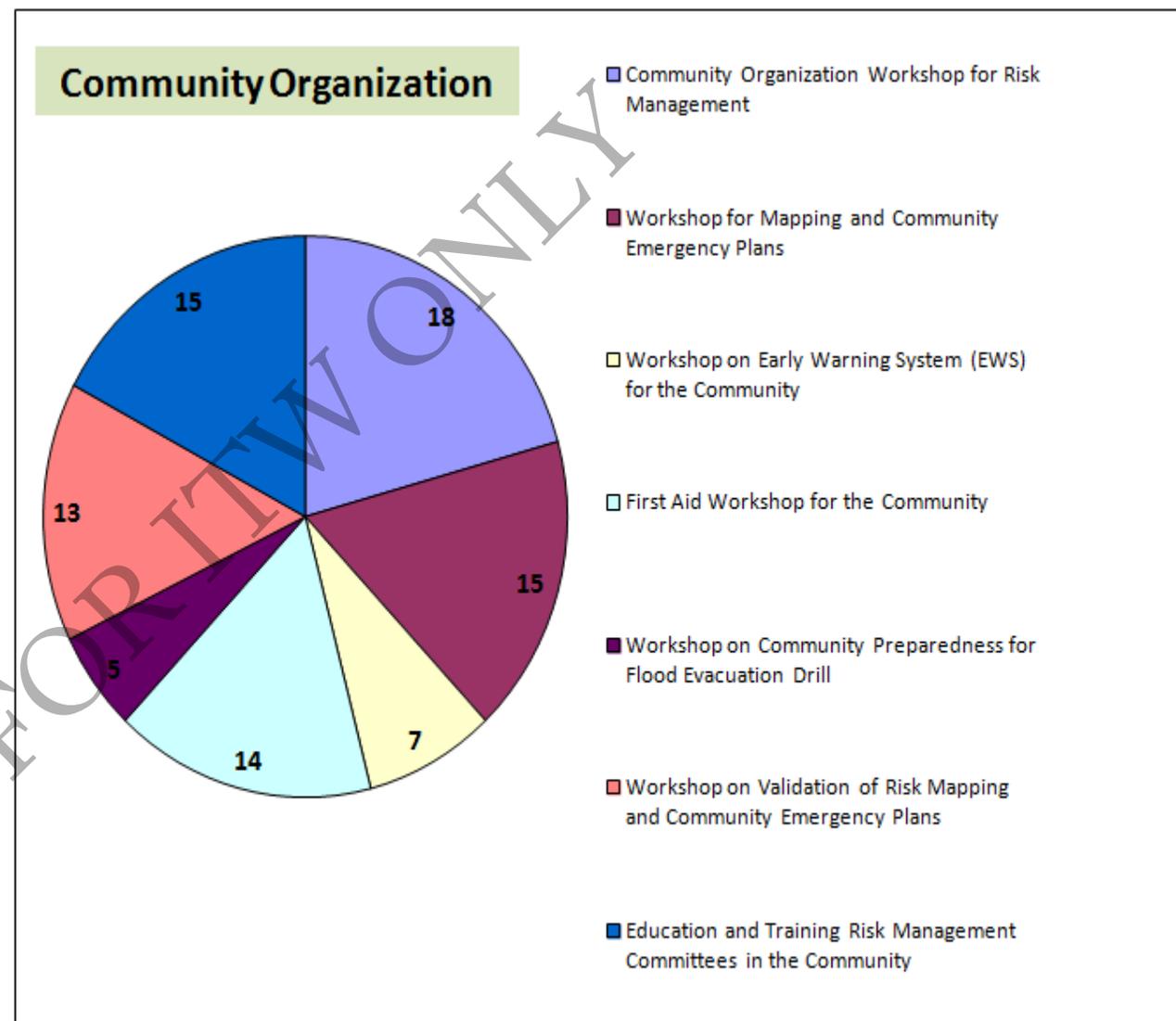


(NOTE: Values represent numbers of trained)

**MINISTRY OF GOVERNMENT
NATIONAL CIVIL PROTECTION SYSTEM
DIRECTION OF THE ACADEMY**

NATIONAL TRAINING PERFORMED IN 2011

Community Organization	
<i>Community Organization Workshop for Risk Management</i>	18
<i>Workshop for Mapping and Community Emergency Plans</i>	15
<i>Workshop on Early Warning System (EWS) for the Community</i>	7
<i>First Aid Workshop for the Community</i>	14
<i>Workshop on Community Preparedness for Flood Evacuation Drill</i>	5
<i>Workshop on Validation of Risk Mapping and Community Emergency Plans</i>	13
<i>Education and Training Risk Management Committees in the Community</i>	15
TOTAL	87

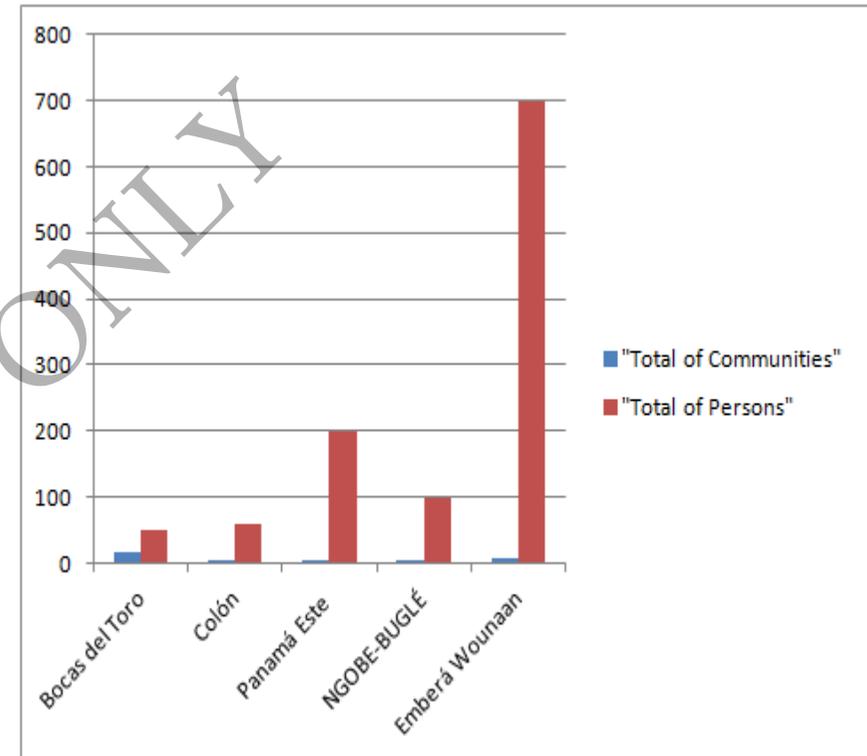


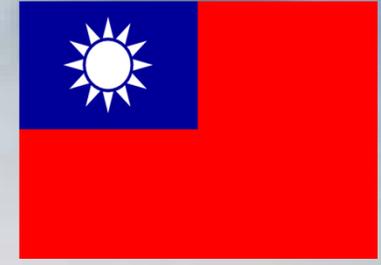
(NOTE: Values represent numbers of trained)

**MINISTRY OF GOVERNMENT
NATIONAL CIVIL PROTECTION SYSTEM
DIRECTION OF THE ACADEMY**

NATIONAL TRAINING PERFORMED IN 2011

PROVINCE/REGION	Total of Communities	Total of Persons
<i>Bocas del Toro</i>	15	50
<i>Colón</i>	4	60
<i>Panamá Este</i>	5	200
<i>NGOBE-BUGLÉ</i>	3	100
<i>Emberá Wounaan</i>	7	700
Total	34	1110





Thanks for your attention.

Gracias por su atención.

感谢您的关注。

感謝您的關注。

