

MANAGEMENT REPORT 2016

 **NGRD**
Unidad Nacional para la Gestión del
Riesgo de Desastres - Colombia

Sistema Nacional de Gestión del Riesgo de Desastres





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INTRODUCTION

Day by day, Colombia seems to become less vulnerable and community resiliency turns into a reality. Disaster risk management is no longer unknown to the public, private and community sectors. On the contrary, this is a cross-sectional theme that everyone is interested in applying.

The vision of the President of Colombia, confirmed with the creation of the Unidad Nacional para la Gestión del Riesgo de Desastres in 2011 and the enactment of Law 1523 of 2012, achieved its goal at national and global level, through the development of actions which make us proud, while acting in favor of the most needy population and building the less vulnerable country we desire.

Year 2016 had important scenarios at global level; we chaired INSARAG for the Americas Region, being able to manage key issues to save lives, such as the approval of the national USAR groups' certification process and implementing the intermediate international USAR group certification. We were also able to prove that we have the capacity to deploy to other countries in case of disasters, in an orderly manner and in compliance with international standards. This was proven during deployments to Ecuador, Haiti and Chile. Additionally, Colombia celebrated for the first time a SIMEX exercise (simulation exercise), which was graded as one of the best executed exercises in the world.

Last year was a landmark in the planning of the Disaster Risk Management National System because the National Plan for Risk Management until 2025, was approved, in compliance with the mandate of the National Policy for Disaster Risk Management.

Several emergency events required dedicated work and joint efforts from the National System in order to provide the correct response. For example in the case of atypical precipitations, El Niño phenomenon, the hurricane season, etc.

It is clear that the simulation mechanisms are fundamental for life saving. Therefore, the Fifth National Simulation in Response to Emergencies was a great success. We encourage knowledge, and as a sample of that, we have the Disaster Risk Management Knowledge Museum, which makes us proud. In 2017, we will present the book "Colombia, Less Vulnerable", as a result of

the work done under the true and committed leadership of Juan Manuel Santos Calderón, President of the Republic of Colombia.

I hope that year by year, we are able to work and thank all members of the Disaster Risk Management National System for their contribution in achieving such goals, as well as the Board of Directors of the Risk Management National Fund and the Steering Committee of UNGRD, the National Committees for Risk Knowledge, Risk Mitigation and Disaster Management, the Risk Management Regional Councils, private and community stakeholders, the international cooperation and my entire work team.

Carlos Iván Márquez Pérez
General Director
Unidad Nacional para la Gestión del Riesgo de Desastres





Risk Management Coordinators Meeting at the Crisis, Life and Peace Room. Unidad Nacional de Gestión del Riesgo de Desastre – Bogotá, D.C.

CHAPTER 1

GENERAL STAMENT

2016 – Balance Sheet

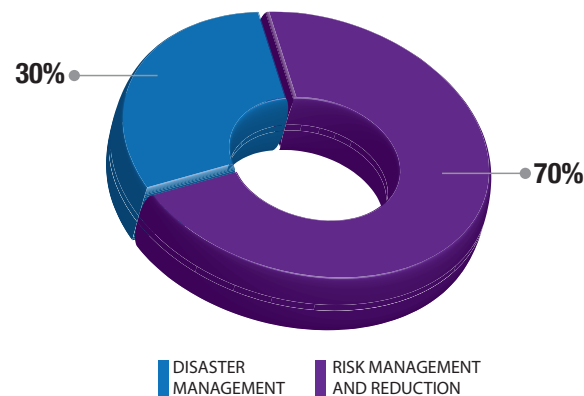
Investment \$545,675 MM

32
Department
beneficiaries

645
Municipality
beneficiaries

3.5 MM
Direct people
beneficiaries

In compliance with goals established in the National Development Plan and the Disaster Risk Management National Plan, \$545,675 million pesos were invested during 2016, out of which 70% (\$381,189 MM) were allocated to actions to generate risk knowledge and reduction, while 30% (\$164,485 MM) were allocated to disaster management.



Following are the main achievements during year 2016:

- Increase of territorial capabilities, decentralization of logistics centers and strengthening of equipment for forest fire fighting.
- Inauguration of the First Disaster Risk Management Knowledge Museum in Colombia, as a strategy to encouraging social appropriation of risks.

- Efficient completion of recovery process after complex disasters (Salgar, Antioquia and Santander and Santander del Norte), using tools provided by the Risk Management National Policy.
- Placing the Disaster Risk Management National System as a system which offers international support in the region and is recognized for its technical capabilities at global level.



In 2016 we reduced by 24% the number of people affected by disasters, 49% the number of injured and a decrease of 88% in destroyed houses and 69% in damaged houses with respect to the average of the last 12 years.

CHAPTER 2

**DISASTER
RISK
MANAGEMENT**



The President of the Republic of Colombia, Juan Manuel Santos Calderón, with beneficiaries of productive projects developed jointly with the Ministry of Agriculture and Rural Development and the National Federation of Coffee-Growers. Municipality of Salgar, Antioquia.



Sand Box. Disaster Risk Management Museum.

2.1

Risk Knowledge Process



Visit of the Board of Directors, Steering Committee of UNGRD and the Board of Directors of the Adaptation Fund to the Disaster Risk Management Knowledge Museum – Bogotá, D.C..

The Risk Knowledge process includes programs, projects and actions in the following areas:

- Identification of risk scenarios.
- Risk analysis and assessment
- Risk monitoring and follow-up
- Risk communication.

The first Disaster Risk Management Knowledge Museum in Colombia and second in South America was created in 2016.

Management Figures

INVESTMENT

\$8,487 MM

15

**DEPARTMENT
BENEFICIARIES**

75

**MUNICIPALITY
BENEFICIARIES**

945.000

**PEOPLE
BENEFICIARIES**

Scenario identification and characterization



Workshop for the construction of the National Response Protocol in case of eruption of Nevado del Ruiz and Cerro Machin volcanoes. Ibagué, Tolima.

This process strives to know the risk conditions of a territory, focusing on its causes and stakeholders, and identifying the main influential factors, potential damages and losses, as well as potential measures to manage the situation.

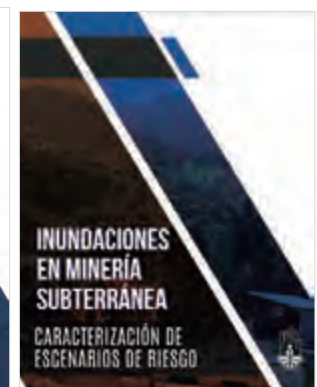
Characterization documents of risk scenarios

Seven (7) general characterizations of risk scenarios

These were developed in an approach to know the threats, causes, individuals present in the territory, the effects of the materialization of risks and background information which facilitates decision-making by territorial entities and sectors.



Sectorial, departmental and municipal risk management plans; will be able to include the technical information of these documents in their updates.



Risk analysis and assessment



Workshop for flood risk analysis with open data in collaboration with Japan's International Cooperation Agency – JICA – Bogota, October 24 -27, 2016.

This implies considering the causes and sources of risk, its consequences and the probability of their occurrence; this is estimated in order to define different types of intervention and scope of the reduction of risk in order to be prepared for the corresponding response and recovery.

Publications with guidelines for risk analysis and assessment



“Technological risks due to hazardous materials” booklet



“Identification of actions and competencies in disaster risk management”



“Probability estimates of risk per disaster event”



“Protocol for public and private liability identification and limits in risk management”



Launching of Guide “Building Safe Territories: Disaster Risk Management. Bogotá D.C.

Guide “Building Safe Territories: Disaster Risk Management”

This document presents the disaster risk management process, including sustainable development and territorial planning components.

“Guide for the analysis of social vulnerability in municipal disaster risk management studies”

This document provides guidelines for the inclusion of social vulnerability analysis in risk management studies in territorial entities.



These documents were developed jointly with the Institute of Studies of the Public Ministry (IEMP) – Attorney General Office of the Nation

Risk monitoring and follow-up



Installation of one of the 44 Early Alert System (SAT for its acronym in Spanish) points in the Mid-Magdalena Region.

This is the process oriented to generate data and information on the behavior of threatening phenomena, the vulnerability and dynamics of risk conditions in the territory.



Zonal Workshop "Preparation for Response". Coastal municipalities of Cauca and Nariño. Meeting held in Guapi, Cauca.

Tsunami Risk Monitoring

Tsunami alerts in the Colombian Pacific and Caribbean coasts are reported 24 hours a day, 7 days a week, based on coordinated work between UNGRD and the Seismological Observation Corporation of the Southwest – OSSO.

Following the national tsunami detection and alert protocol, 40 bulletins were issued, out of which 31 were informative, 6 requested surveillance, 2 gave warnings and 1 was the cancellation of an activated alert.



Exposure of 5 million inhabitants to a tsunami threat in 46 coastal municipalities in 12 departments are the main beneficiaries of the alliance between Corporación OSSO and UNGRD.



– Activation of the Early Alert System in Salgar, Antioquia, by the Director of UNGRD, Carlos Iván Márquez Pérez.


Risk Monitoring

Critical sites for Early Alert System points were defined in the Municipality of Salgar, together with Javeriana University.

The Municipal Community Evacuation Drill activated SAT, allowing evacuation of 2,159 people.

Risk Communication



 Library of the Documentation Center of Unidad Nacional para la Gestión del Riesgo de Desastres. Bogotá, D.C.

This is the continuous and cross-sectional process executed to provide, share and obtain data, with the commitment to disaster risk management by the community, the institutions and the private sector.



Socialization of Volcanic Risk Communication in Manizales, Caldas.

Volcanic Risk Communication

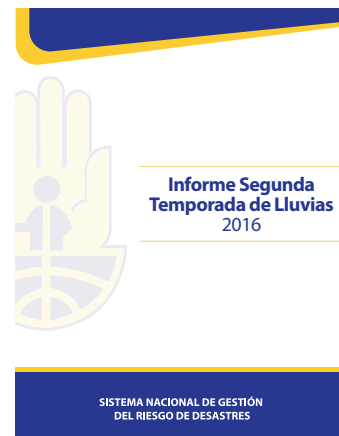
The following was done through joint work of UNGRD, the Colombian Geological Service - Servicio Geológico Colombiano (SGC) and the Observatory of Science and Technology (OCyT):

➤ 35 Workshops	7	4	16	8
	NARIÑO	CAUCA	TOLIMA	CALDAS
➤ 466 Participants	102	63	178	123
	People	People	People	People
➤ 34 Interviews	Number of Participants			
	184	68	214	
	institutions	teachers	community members	

Desarrollo de documentos técnicos



Comparative Report – El Niño Phenomenon 1997 – 1998 vs. 2015 – 2016



Report on Second Rainy Season – 2016




Terminology on Disaster Risk Management – Aligned with Sendai Action Framework



In order to access documents, unload a QR code app and scan this code.



 Disaster Risk Management Knowledge Museum – Bogotá, D.C.


Disaster Risk Management Knowledge Museum – MSGR

MGRD Museo
del saber en Gestión
del Riesgo de Desastres
en Colombia

The purpose of MSGRD is to preserve, register and document the historic collection of the implementation of Risk Management in Colombia and promote the social appropriation of risk management, especially in association with elementary and high schools and universities.

Additionally, the Museum exhibits the different Colombian experiences with regards to emergency situations and the corresponding recovery, actions to reduce risk and risk knowledge, encouraging education and individual's environmental responsibility, to strengthen community resiliency.



 Memory Room at the Disaster Risk Management Knowledge Museum. Bogotá D.C.



Interest in social communication of risk management and the generation of commitment in the community, as well as in public and private entities, for its implementation.



Augmented Reality Room at the Disaster Risk Management Knowledge Museum. Bogot D.C.

Museum Data

The museum's exhibit has an area of 415.58 square meters. Its purpose is to recreate the history of SNGRD in a didactic manner and using technological developments.



History Room at the Disaster Risk Management Knowledge Museum. Bogot D.C.

- **History Room**

Screens show before, now and after situations after Disaster Risk Management. Additionally, there is a digital screen that allows users to know more about the Disaster Risk Management Policy and its evolution throughout time.



Memory Room at the Disaster Risk Management Knowledge Museum. Bogot D.C.

- **Memory Room**

Uniforms of the different operation entities participating in the Disaster Risk Management National System are exhibited. Interactive screens with the most relevant data of the system and interactive games are available.

- **Augmented Reality Room**

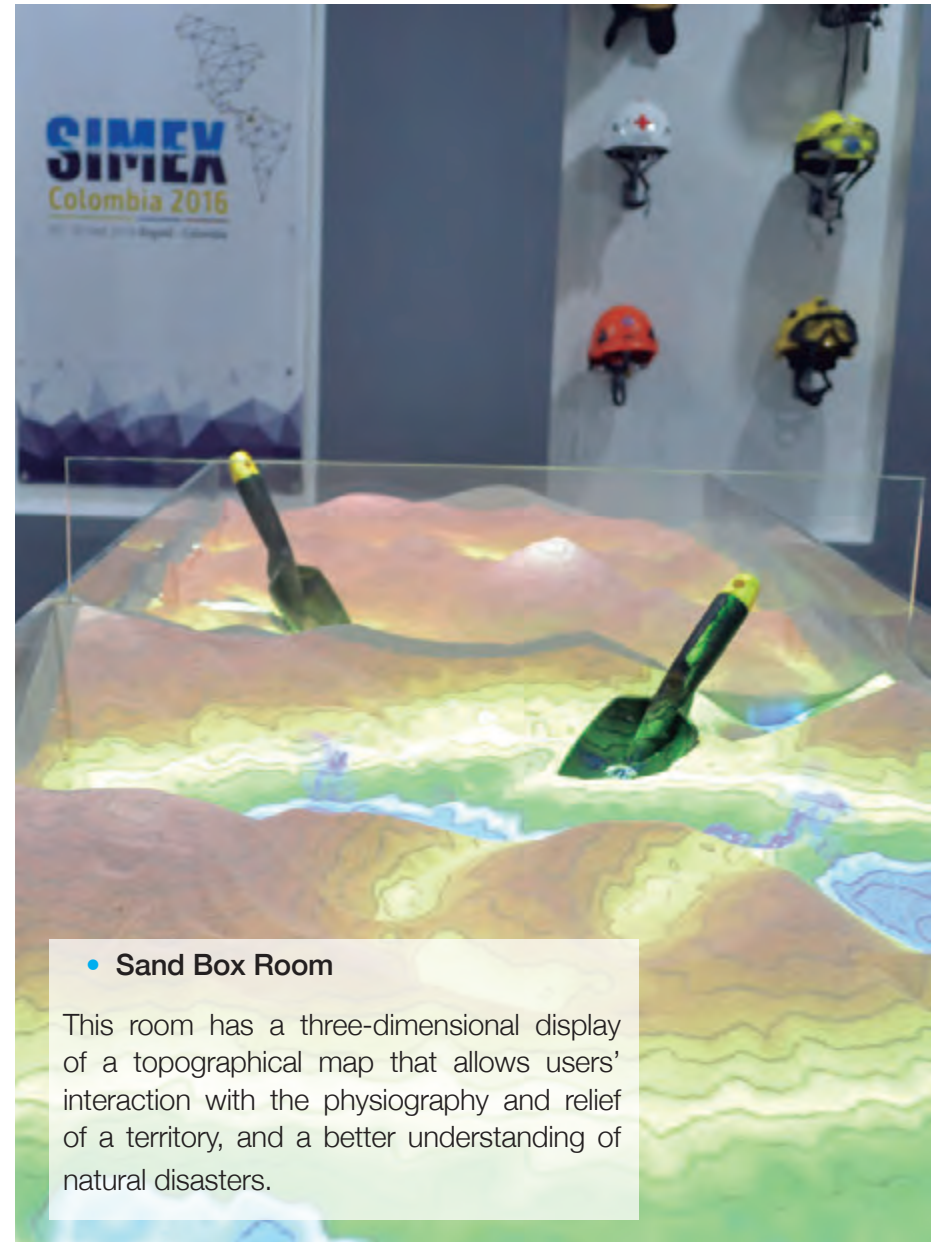
The augmented reality room shows aspects for the training of search and rescue teams, using models, augmented reality, virtual reality and holograms. It has a special projects' photograph collection.



Exhibit with the SNGRD vest's hologram used by the President of Colombia, Juan Manuel Santos Calderón, during the Ecuador earthquake support operation. April 24, 2016.



Visit of the President of Colombia to Ecuador, after the earthquake of April 24, 2016. .



- **Sand Box Room**

This room has a three-dimensional display of a topographical map that allows users' interaction with the physiography and relief of a territory, and a better understanding of natural disasters.



Construction of mitigation and dredging works against flooding of Rio Frio River. Girón, Santander.

2.2

Risk Reduction Process



Follow-up works for the reduction of risk in Capitanejo, Santander

The following programs, projects and actions make part of the disaster risk management process:

- Prospective risk intervention.
- Corrective Actions.
- Financial protection.



Currently, 90% of all Colombian municipalities have a disaster risk management plan formulated.

Management Figures

INVESTMENT

\$ 372.702 MM

27

DEPARTMENTS
BENEFITTED

346


MUNICIPALITIES
BENEFITTED

1,16 MM

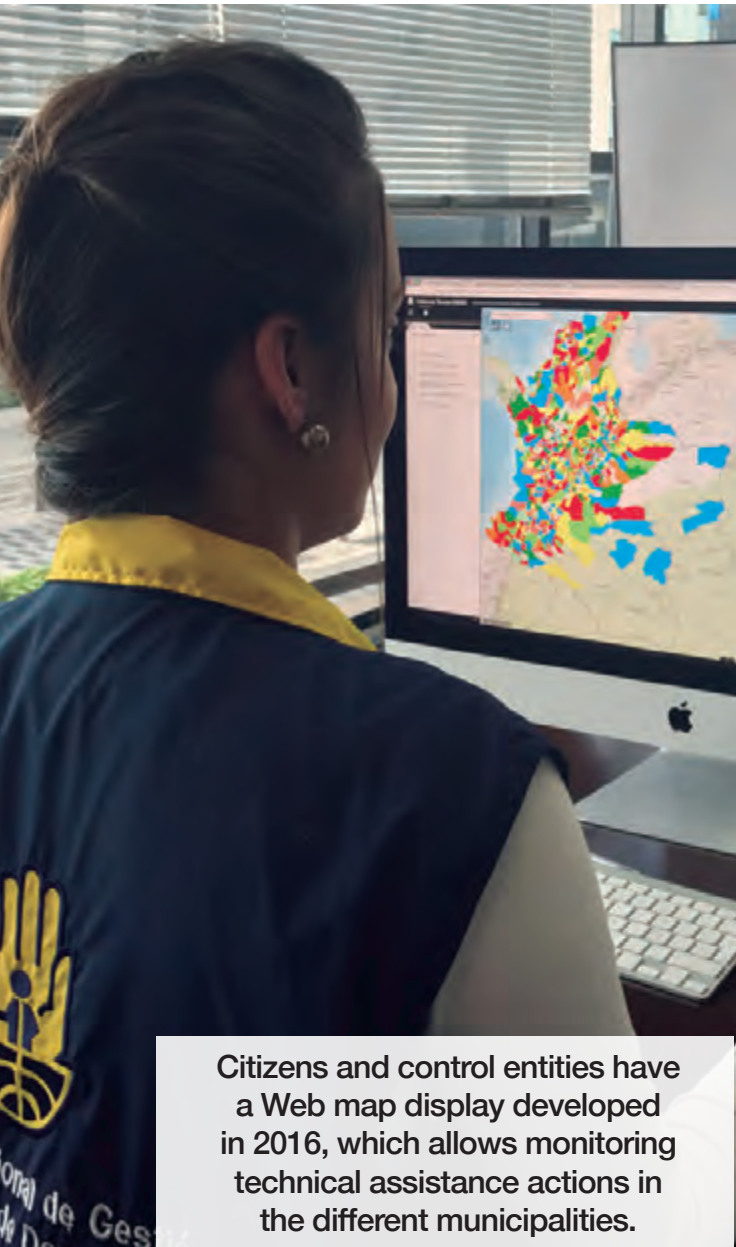
PEOPLE
BENEFITTED

Prospective Intervention



 National Congress of Municipalities- 2016. The Director of UNGRD's presentation of "Sustainable Development and Climate Change". Cartagena de Indias, D.T. March, 2016.

The goal of this process is to guarantee avoiding new risk situation in Colombia by means of preventive actions, avoiding exposed elements to be vulnerable or prevent their exposure in case of hazardous events.



Citizens and control entities have a Web map display developed in 2016, which allows monitoring technical assistance actions in the different municipalities.

Technical Assistance

69 Disaster Risk Management Municipal Plans – PMGRD	223 Disaster Risk Management Territorial Funds	22 Disaster Risk Management Territorial Offices
23 Investment Projects proposals	18 Emergency Response Municipal Strategies – EMRE	21 Guidelines to include DRM

- 314 municipalities in 24 departments received cooperation from experts in areas such as the inclusion of risk management in land-use planning, the proposal of investment projects for disaster risk management, creation of offices, funds and plans for disaster risk management.
- Agreement COT No. 005 of 2016, which defined the framework for the Departmental Land-Use Planning including territorial disaster risk management, was executed.
- Planning instruments articulation guidelines were established, incorporating disaster risk management.



69 risk management municipal plans were presented by territorial entities, with support of UNGRD.



Articulation of disaster risk management planning instruments.



“Prepared Communities, Resilient Communities” Workshop - November 16, 2016. Cali, Valle del Cauca.

UNGRD actively participates in research on climate change and its impact on disaster risk management.

Weather Variability and Climate Change in the Risk Management National Policy



- Preparation of technical document to include weather variability and climate change to disaster risk management.
- Coordination of efforts to include the risk management variable in the policy and bill on climate change, according to Sendai recommendations.
- Development of European (Euroclima) and German (GIZ) cooperation initiatives on the relationship between risk management and climate change.

Sectorial and Community Management

The Guide for Community Participation in Disaster Risk Management was prepared and made available to communities, Presidents of Community Action Councils and representatives of the Civil Society.

In 2016, the use of new technologies was strengthened. A total of 160 officials were trained using the virtual workshop “Integration of Risk Management into the Municipal Development Plan”



To have access to this document, unload a QR Code App and scan this code.

Risk Prevention Tour – Risk Reduction Week



The week from October 13-21, the “Risk Prevention Tour – Risk Reduction Week” was held in the 32 Department capitals of Colombia, with participation of five (5) NGO’s and more than 1,000 officials of 438 territorial entities and SNGRD entities.

Dissemination and socialization of experiences and projects executed for the mitigation and prevention of risks was done during this week, showing great progress in the national policy of risk management.



Participants in the “Risk Prevention Tour – Risk Reduction Week” Workshop, Barranquilla, Atlántico.

32 Departments, 64 Department Councils and Capital Cities with participation of 1,000 Officials in the Risk Prevention Tour – Risk Reduction Week.

Corrective Actions



Follow up visit to stabilization work in areas threatened by mass removal. Commune 8, Nápoles Neighborhood. Bucaramanga, Santander.

The objective of this process is to reduce the existing risk level of the society through mitigation actions to decrease threats, when possible, as well as the vulnerability of exposed elements.



In 2016 we strengthened our commitment within SENDAI's action framework – “Invest in disaster risk reduction in order to be resilient”.

\$ 364.670 Million Investment

20 Departments

48 Municipalities

Total: 58 Infrastructure Projects

48 risk mitigation projects

10 vulnerability reduction projects



Recovery of Arauca River banks and flood control. Municipality of Saravena, Arauca.

Risk Mitigation

- 48 Projects Managed -

18
Departments

42
Municipalities

1,1 MM
Beneficiaries

\$ 268.581
Investment



27

hydraulic works, flood control
and canalizations



Stabilization of 7
land slopes



Intervention and
Stabilization of 8 roads



6

Provision of Institutional
Equipment

Hydraulic works, flood control and canalizations



11,600 linear meters of canals
were built during 2016 to reduce
flooding risks in 6 municipalities.

Antioquia: Tarazá



Construction of sewage and water supply networks
in San Nicolas Neighborhood.

6.000
beneficiaries

\$ 3.500 MM
Investment

Complete
Current status

Arauca: Saravena



Recovery of Arauca River banks and flooding
control work.

2.300
beneficiaries

\$ 5.236 MM
Investment

Complete
Current status

Boyacá: Chiquinquirá



Construction of Tolón locks and hydraulic work.

72.274
beneficiaries

\$ 1.523 MM
Investment

Complete
Current status

Cauca: Timbiquí



Construction of a retaining wall on the right margin of Agua de Dios stream.

4.000
beneficiaries

\$ 3.414 MM
Investment

Complete
Current status

Cesar: Gamarra



Construction of walkable embankment between Puerto Mosquito and El Contenido towns.

14.000
beneficiaries

\$ 1.565 MM
Investment

Complete
Current status

The goal of 80% of the projects was risk mitigation and reduction of vulnerability due to risks caused by hydro-meteorological threats.

Caquetá: Florencia

Hydraulic work and river bank recovery.

36.350
beneficiaries

\$ 8.500 MM
Investment

Complete
Current status



Magdalena: El Retén



Recovery of water supply capacity in the lower part of the Fundación River – Caño Chuval Sector.

3.300
beneficiaries

\$ 14.351 MM
Investment

Complete
Current status

Magdalena: San Sebastián



Work construction and flooding control.

7.800
beneficiaries

\$ 4.000 MM
Investment

Complete
Current status



At Girón, Santander, 50,000 people were beneficiaries of flooding risk mitigation works at the Rio Frío River.



Santander: Girón

Construction of risk mitigation works at the River.

50.000
beneficiaries

\$ 14.107 MM
Investment

Complete
Current status

Antioquia: Itagüí



Construction of water works and first canalization stage of Zanjon del Alto, Peladeros and Sesteaderos streams.

5.000 beneficiaries	\$ 14.315 millones Investment	800 mts linear meters
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Cauca: Miranda



Construction of water canal for risk mitigation at Suerte Cuarenta Neighborhood.

675 beneficiaries	\$ 1.610 millones Investment	643 mts linear meters
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Norte Santander: Cácuta



Control de inundaciones en el cerro de La laguna en el municipio de Cácuta.

2.200 beneficiaries	\$ 5.820 millones Investment	2.100 mts linear meters
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During the last two months of 2016, 3 works were approved and will benefit 274,000 people in 4 municipalities of 2 Departments, with a total investment of \$18,881 MM pesos.

Norte Santander: El Zulia



Canalization of Borrigueros creek.

26.000 beneficiaries	\$ 6.221 MM Investment	2.500 mts meters
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Under Execution

8 works under execution in 8 municipalities in 6 Departments, with an investment of \$79,700 MM pesos, which will benefit 151,000 people.

- Antioquia: Construction of a 1,100 meter long open canal in Bello.
- Arauca: Three works in the municipalities of Arauquita and Cravo Norte.
- Meta: 1 work in the Guayuriba River at the city of Villavicencio.
- Norte de Santander: Construction of a 4,500 meter long canal in the municipality of Los Patios.
- Santander: Execution of Stage II of risk mitigation works in Giron.
- Tolima: 1 flood control work in the municipality of Ortega.

Land Slope Stabilization

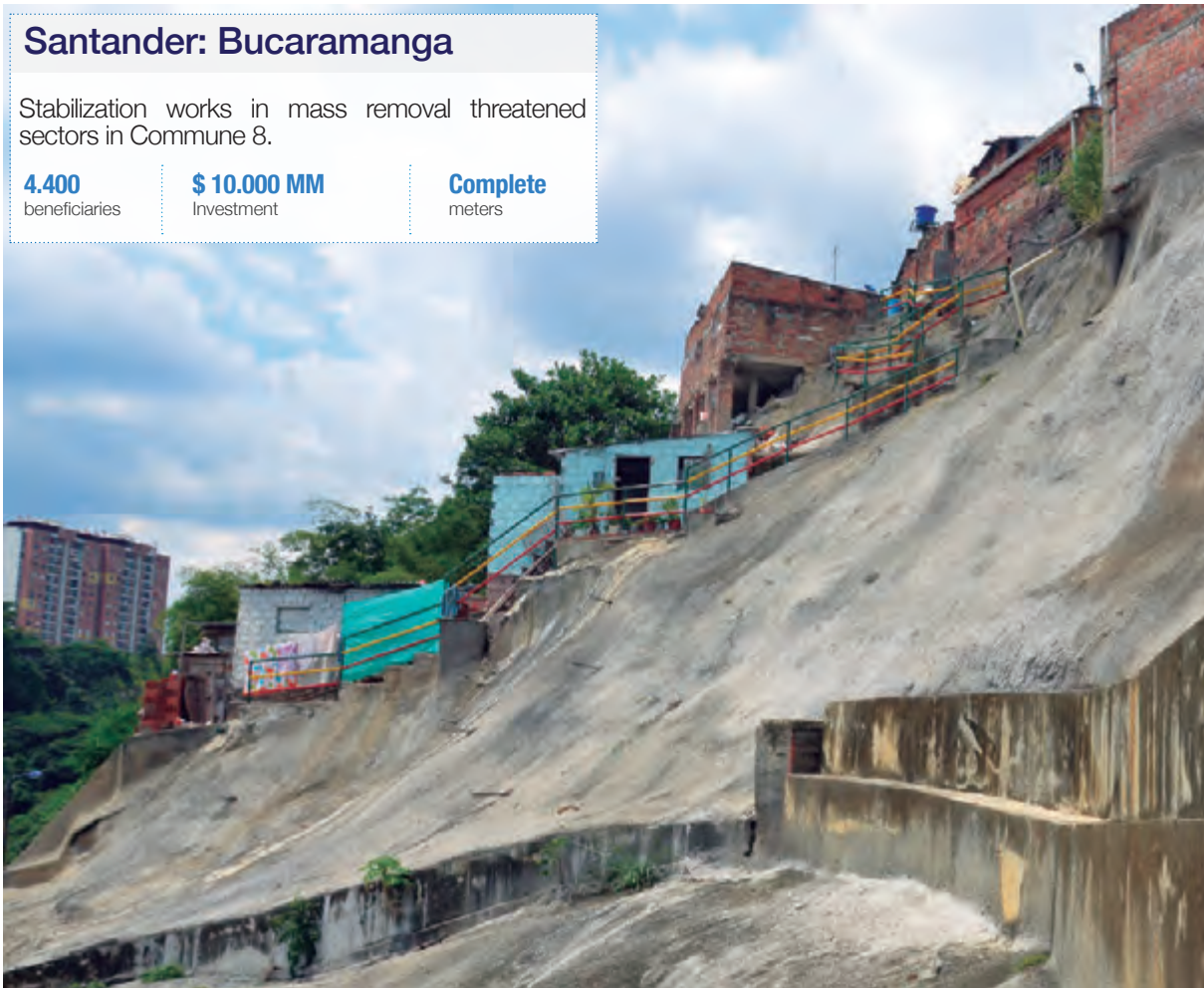
Santander: Bucaramanga

Stabilization works in mass removal threatened sectors in Commune 8.

4.400
beneficiaries

\$ 10.000 MM
Investment

Complete
meters



Second to floods, mass removal is the factor which affects the Colombian population the most. In 2016, over 300,000 benefitted by reducing their risk due to land slides.

Cauca: Popayán



Construction of hydraulic works, canalization of El Zanjón Stream and bio-mechanical work in a sector of Molino River.

280.000
Beneficiaries

\$ 292 MM
Investment

Complete
Current status

Cundinamarca: La Vega



Retaining wall in reinforced concrete over the Ila River margin. Villa del Rio Neighborhood.

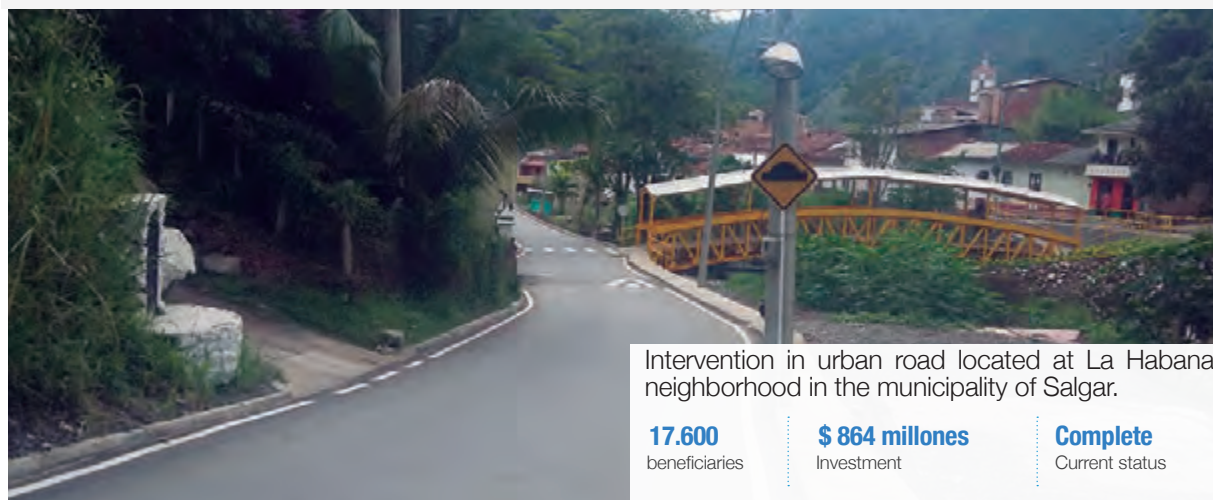
675
Beneficiaries

\$ 1.610 millones
Investment

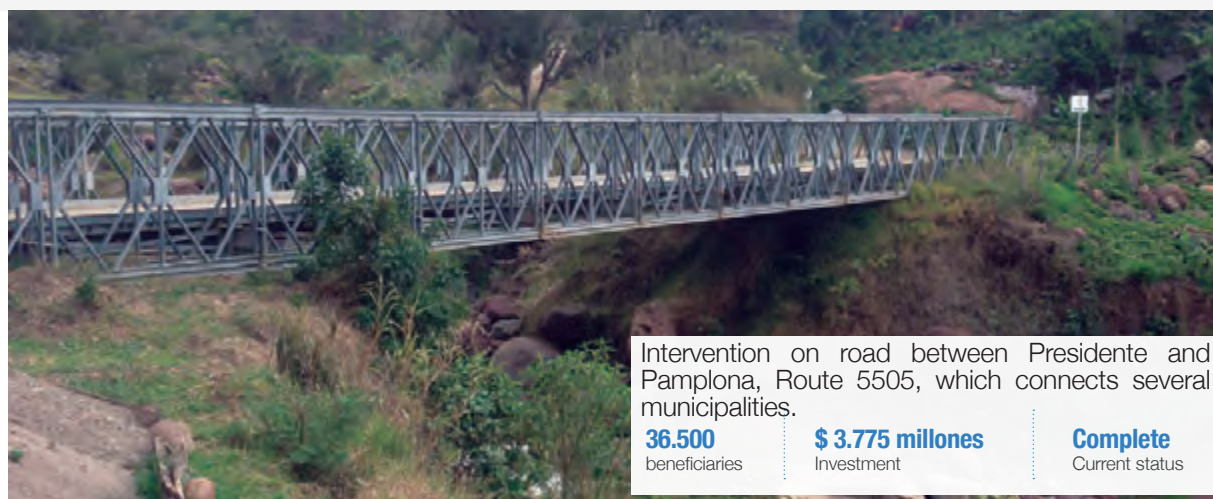
Complete
Current status

Road Intervention and Stabilization Works

Antioquia: Salgar



Norte de Santander: Toledo, Labateca, Chitagá y Cécota.



Under execution

Five road intervention works are being executed in 5 municipalities, in 4 Departments, with an investment of \$22,854 MM pesos and 47,800 beneficiaries.

- **Antioquia:** Construction of a vehicle bridge at the municipality of Briceño.
- **Cauca:** Road intervention in the municipality of Toribía.
- **Norte de Santander:**
 1. Road intervention on the road from Doña Juana to Durania, in the municipality of Bochalema.
 2. Construction of a vehicle bridge in the municipality of Villa Caro.
- **Quindío:** Road intervention in the municipality of Córdoba.

Work for the Provision of Institutional Equipment



La Guajira: Uribia

Construction of warehouse with a self-sustainable system at the sector of Puerto Estrella.

12.950
beneficiaries

\$ 1.228 MM
investment

Complete
Current status





The UNGRD Director delivers the Health Center to La Guajira Department at the township of Paraguachón.

La Guajira: Maicao

Construction of Health Center for the Municipality of Maicao.

6.284
beneficiaries

\$ 388 millones
investment

Finalizado
Current status

Intervention in Cases of Vulnerability

- 10 Projects Managed -

6
Departments

7
Municipalities

9.000
beneficiaries

\$ 51.000 MM
investment



8

Housing Projects



1

Community Integration
Center – Salgar

90% of the projects are aimed to reducing physical and residential vulnerability of people who are exposed to disasters.

Caldas: Chinchiná



Construction of 40 households .

200
People
beneficiaries

\$ 4.100 MM
Investment

COMPLETE
Current Status

Chocó: Quibdó



Construction of 77 households and urbanism.

385
People
beneficiaries

\$ 3.653 MM
Investment

COMPLETE
Current Status

Córdoba: Puerto Libertador



Construction of 280 households and urbanism.

1.980
People
beneficiaries

\$ 13.000 MM
Investment

COMPLETE
Current Status





Financial Protection Workshop. UNGRD Facilities, Bogotá, D.C.

Financial mechanisms and instruments established prior to the occurrence of disasters in order to have later access to timely economic aid in case of emergencies, as well as paying for recovery costs.

Financial Protection

A technical document was designed and made available. The document includes the disaster risk management component in the definition of financial mechanisms for risk transfer.

In coordination with the departmental governments, 162 public officers were trained in Cundinamarca, Boyacá and Norte de Santander, on public assets insurance.



For have access to this document, unload a QR Code App and scan this code.





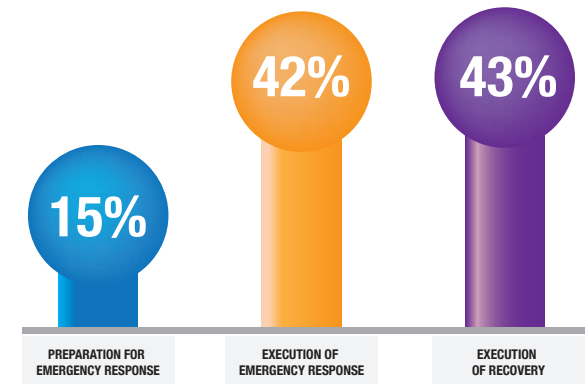
📷 SNGRD taking care of the victims of a flood in the municipality of Nóvita, Chocó.

2.3

Disaster Management Process

The Disaster Management process includes the following actions:

- Preparation to respond to emergencies and to recover
- Execution of emergency response
- Execution of recovery



• Strengthening of operational entities of SNGRD through rescue equipment and technical assistance. Honda, Tolima.

Management in Figures

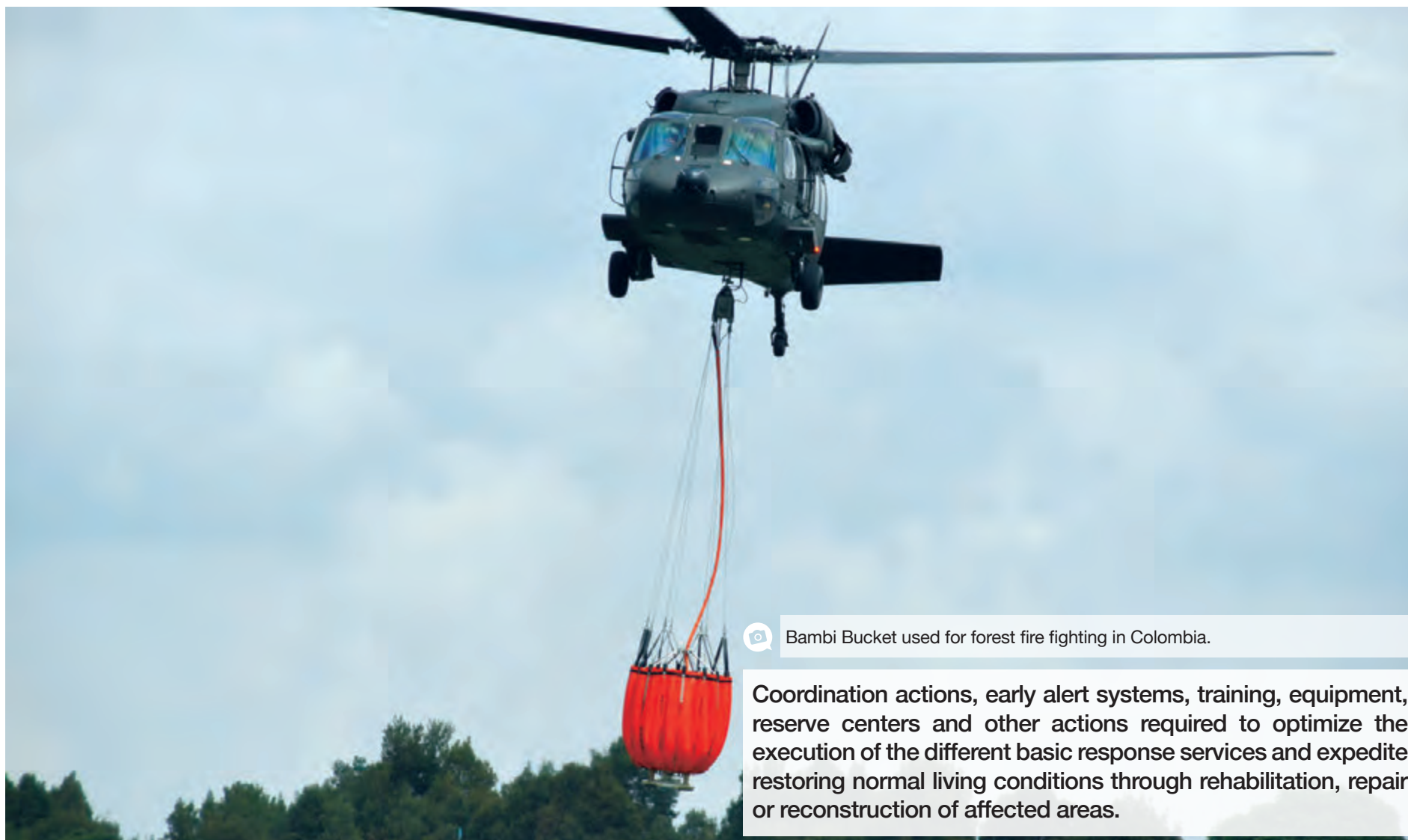
INVESTMENT
\$ 164.485 MM

32
 DEPARTMENTS

224
 MUNICIPALITIES

1,4 million
 BENEFICIARIES

Emergency Response Preparation and Recovery Execution



Bambi Bucket used for forest fire fighting in Colombia.

Coordination actions, early alert systems, training, equipment, reserve centers and other actions required to optimize the execution of the different basic response services and expedite restoring normal living conditions through rehabilitation, repair or reconstruction of affected areas.



Delivery of backhoe to the Department of Boyaca. Villa de Leyva.

\$ 24.106 MM Investment

Strengthening of SNGRD Capabilities



Agreements subscribed with the National Police Department, the Colombian Air Force, Colombian Red Cross and Civil Defense of Colombia in order to improve emergency care capabilities.

Documentation for Preparation and Recovery in case of Disasters

- Design and development of the Housing Rehabilitation Manual and User's Manual of the Victim's Sole Registry.
- 200 city mayors were advised in technical and legal terms in the preparation of public disasters and the respective action plans.
- 18 municipalities updated their municipal emergency response strategies with support of UNGRD personnel
- Development of three National Response Protocols: Nevado del Ruiz Volcano, Cerro Machin Volcano and hurricanes



The Disaster Risk Management National System invested approximately \$8 billion pesos in strengthening forest fire fighting capabilities.

Main Actions for Response Preparation



Disaster Risk Management Integrated Center – CEGIRD (for its acronym in Spanish) at the Venezuelan border. Cúcuta, Norte de Santander. 1,456 sq. meters

Disaster Risk Management Coordination Centers

Physical intervention instrument to strengthen the capabilities of CDGRDs and CMGRDs, as well as integrating different stakeholders of the Disaster Risk Management National System.

These are divided as follows::

- **1. Integrated Disaster Risk Management Centers – CEGIRD** : Territorial coordination sites for risk management.
- **2. Humanitarian Logistics Centers – CLH** : Infrastructure for the logistics and humanitarian management in preparation for response, care and recovery.



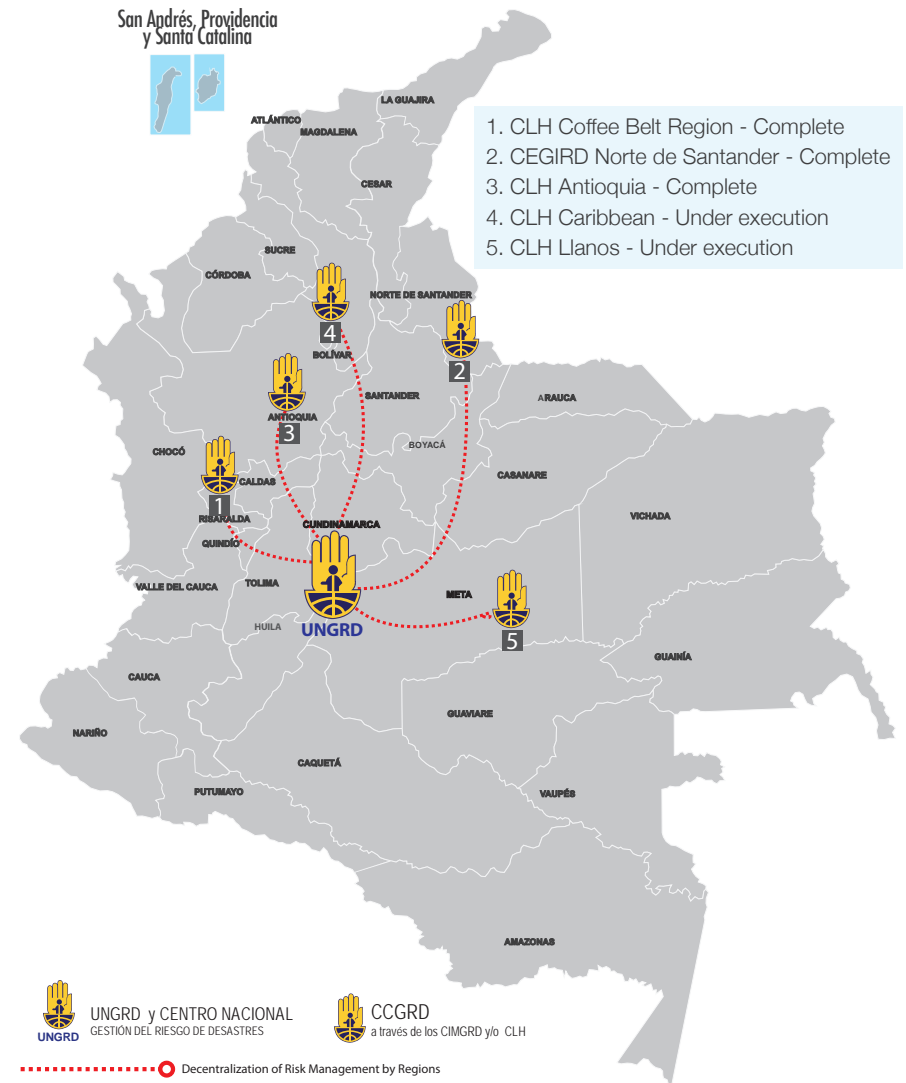
SNGRD will have 5 disaster risk management regional centers, with an investment of \$10.522 MM.



CHL Antioquia
499 mts².



CHL Eje Cafetero
350 mts².



National Simulation of Emergency Response



Evacuation drill by Unidad Nacional para la Gestión del Riesgo. Bogotá, D.C., Connecta Entrepreneurial Center.



32 Departments

637 Municipalities

3.703 public entities

4.839 private entities

1.471 community organizations

508 municipalities activated their crisis room

528 municipalities convokes its CMGRD

637 EMREs tested

In this exercise, the municipalities and districts had the opportunity of:

- Testing the efficiency of their Emergency Response Strategy (EMRE) and the related procedures and protocols.
- Improve the articulation of EMREs with other sectorial plans (schools, industries, communities, etc.)
- Strengthen coordination mechanisms between the different entities involved.
- Evaluate their own communications and alarm systems.

5 Risk scenarios were approached for the first time



The report on results of this exercise were developed in real time, using a Virtual Simulation Platform.



President of the Republic of Colombia participating in the 5th National Emergency Response Drill. Bogotá, D.C.



2.6 million people from 637 municipalities participated in the evacuation exercise



SIMEX – Simulation Exercise



26 - 30 Sept 2016 Bogotá - Colombia

Simulation exercise for strengthening of response and coordination of international assistance in search and rescue operations in urban areas for the Americas region.

Exercise Description

- Simulation of a 7.0 magnitude (Richter scale) earthquake. Epicenter 40 kms. away from the city of Bogotá, at a depth of 25 kms.
- Impact panorama: 55,000 injured, over 10,000 casualties and 16% of the buildings affected.



Scenario simulation exercise. SIMEX 2016. National Logistics Center. Bogotá, D.C.

8 tables for exercise planning and preparation

25 participating countries

5 execution days

780 participants

27 Urban search and rescue groups

21 Emergency medical teams

146 Observers

60 Horas de activación

National and International Participation

Argentina, Bolivia, Brazil, Chile, China, Colombia, Costa Rica, Cuba, Ecuador, El Salvador, Spain, United States of America, Guatemala, Honduras, United Kingdom, Mexico, Nicaragua, Panama, Paraguay, Peru, Russia, Dominican Republic, Switzerland, Uruguay and Venezuela.

Groups were distributed as follows:

- 11 international urban search and rescue groups
- 16 national urban search and rescue groups
- 14 international emergency medical teams
- 7 national emergency medical teams.
- 16 UNDAC members from 11 countries
- 146 Observers from 17 countries

SNGRD was able to assess its functional response in case of emergency due to the sudden onset of a disaster which threatens to exceed national capabilities.



Emergency Response Execution



Arrival of emergency humanitarian aid at the municipality of Alto Baudó, Chocó.

Execution of activities necessary in case of emergencies, such as accessibility and transportation, telecommunications, debris removal, analysis of needs, health, basic sanitation, search and rescue, forest fire fighting and management of hazardous materials, shelters and food, utilities, safety and co-existence, financial and legal issues and public information relevance.



\$68,747 Million Investment



26 Departments

\$ 34.254 MM
Emergency humanitarian aid

177 Municipalities

\$ 1.147 MM
Temporary housing – Rent subsidies

\$ 33.345MM
Water and sanitation


2016 – Summary of Disaster Impacts

Affected Departments	32*	Damaged households	36.427
Affected Municipalities	801	Destroyed households	976
No. of Registrations	4.907	Affected families	218.138
Casualties	475	Affected people	981.758
Injured	1.010	Missing people	39

*-Includes Bogotá, D.C.



Emergency humanitarian aid complies with international standards and can mobilize in less than 72 hours.

 The President of the Republic of Colombia delivers Humanitarian Aid at the municipality of Algarrobo, Magdalena.

Emergency Humanitarian Aid

130.983*
AHE

4.763
kitchen kits

65.711
hygiene kits

12.354
mats

79.778
hammocks

87.838
bed nets

During 2016, a total of 18,684 grocery packages were delivered to victims of the municipality of Gramalote in an amount of \$2,186 MM

Temporary Shelter

18
Municipalities

12
Departments

1.164
Beneficiaries

1.757
Subsidies

*During 2016, a total amount of \$2,890 MM pesos were allocated for the delivery of 4,800 subsidies in rent in the municipality of Gramalote.

Water and Basic Sanitation

452 milion
Water and Sanitation

341
mobilized tankers

962
water tanks



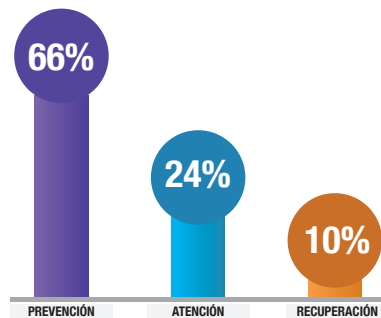
Delivery of Emergency Humanitarian Aid. Condoto, Chocó.

Events Which Tested The Response Capacity Of The System

Closing of the dry season and El Niño phenomenon

One of the most serious natural phenomena in the history of Colombian finalized after 15 months.

El Niño affected 719 municipalities in 28 Departments, with a total of 367 declared disasters.



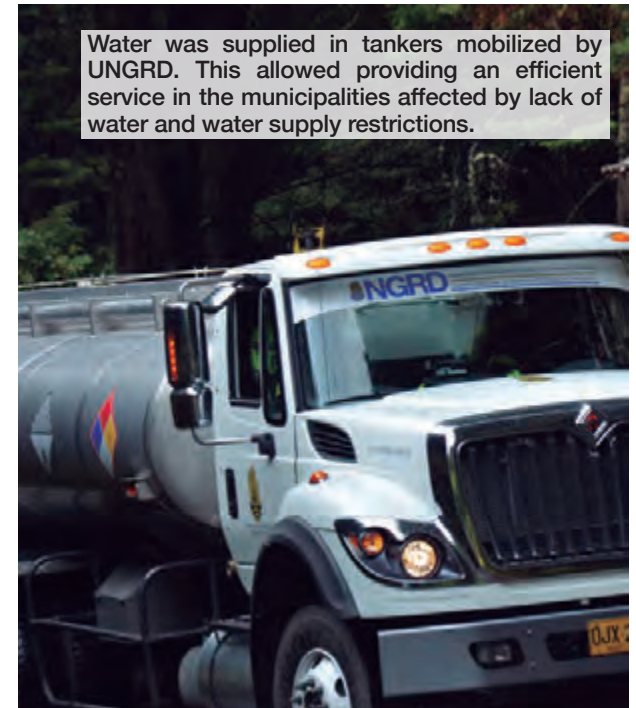
\$ 1.6 billion

Amount invested by the Government DURANTE 2014-2016

- Forest fires registered a total of 6,388 fires, affecting a total area of 188,650 hectares.
- A total of 237 municipalities were affected by lack of water and 297 by water supply restrictions.



The implementation of the National Contingency Plan, apart from reducing the impact caused by El Niño Phenomenon (FEN, for its acronym in Spanish), strengthened the articulation of work among territorial and sectorial entities.



Water was supplied in tankers mobilized by UNGRD. This allowed providing an efficient service in the municipalities affected by lack of water and water supply restrictions.

1. Prevention Phas

- 15 wells constructed
- 50 water and sewage networks
- Delivery of kits to fight forest fires

2. Care Phase

- 26 water supply and/or sewage and reservoirs network projects
- 691 tankers mobilized in 18 departments
- 179,105 food kits delivered

3.Recovery Phase

- 240 jagueyes constructd
- 122 wells constructed
- 74,104 tons of cattle food delivered

2016 Care during the Second Rainy Season

Second Rainy Season - SEPTEMBER 1 TO DECEMBER 14 -

IMPACT

28 Departments
326 Municipalities

Total Events Registered



The most affected Departments were Chocó, Bolivar, Sucre .

CARE

\$18,100 MM Investment

700 Tons
Emergency Humanitarian Aid
Delivered

15.000
SNGRD participants

180
Yellow Machinery used



Atypical Situation in Chocó - OCTOBER 15 TO NOVEMBER 13-

IMPACT

A public disaster was declared on October 30 in the Department of Chocó due to flooding of the San Juan, Condoto, Tamaná, Bochoromá and Mid San Juan Rivers. These floods affected 22 municipalities in which UNGRD provided support with a total Investment of \$12,587 MM pesos.

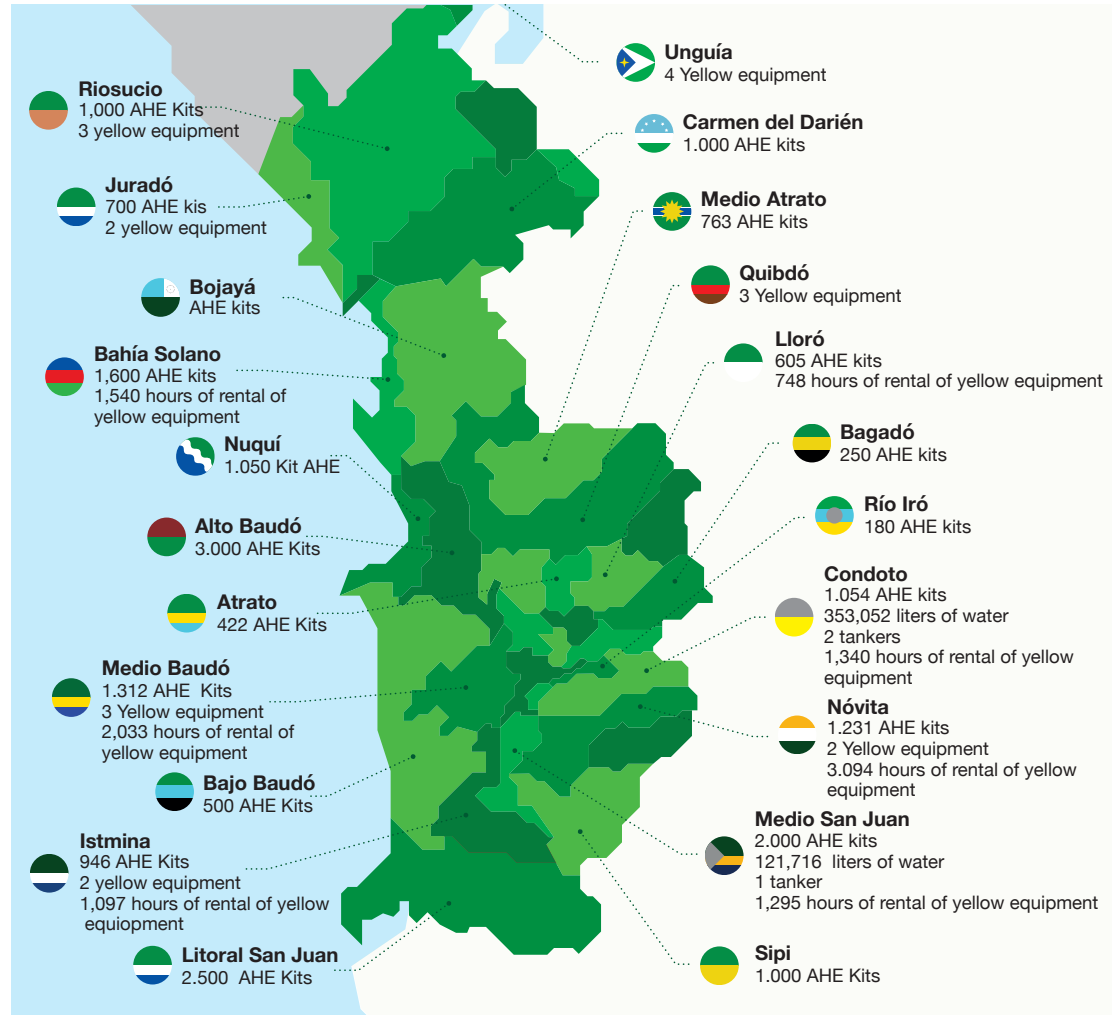
500 tons of AHE were mobilized by air, rivers and land.

SUMMARY

-  22 Municipalities
-  21.963 Families
-  561.708 Liters delivered
-  19 Yellow machinery
-  11.147 Hours of rented machinery
-  22.180 AHE kits
-  2 Tankers, 1 truck
-  1 4x4 SUV
-  88.720 AHE kits - Not food

CARE

12,587 MM Investment





Visit of the First Lady of Colombia to the municipality of Condoto, Chocó.

Hurricane Season

Mathew Hurricane - Category 5 - In Colombia from September 29 to October 5 -

IMPACT

5 Departments
21 Municipalities

26.548
families affected

CONSOLIDADO ATENCIÓN

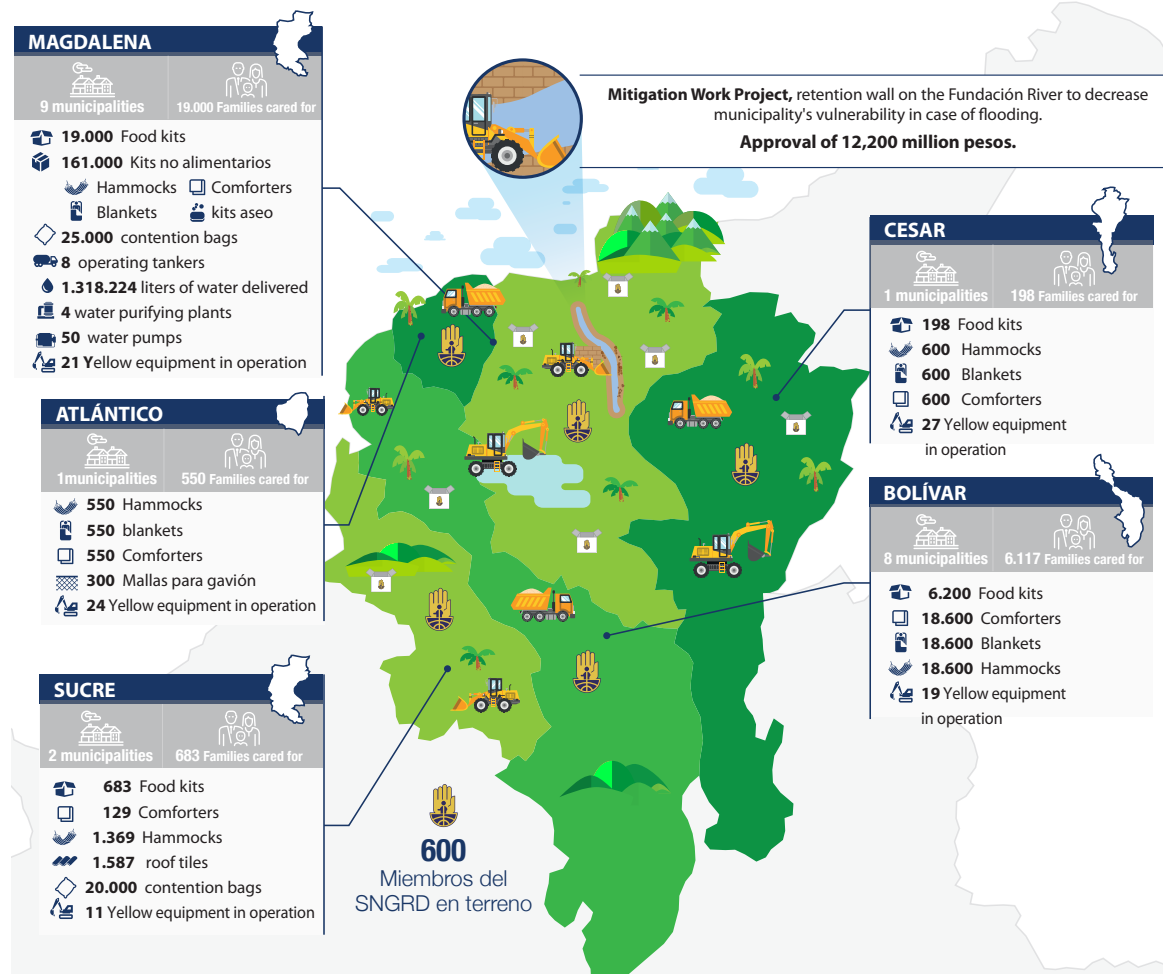
-  **21** Municipalities
-  **26.081** Food Kits
-  **221.748** Non-Food kits
-  **4.157.724** Liters of Water
-  **0** Casualties
-  **0** Injured
-  **0** Missing



This was the first time, since 1842, in which a Category 5 hurricane affected the Colombian Caribbean Coast.

CARE

\$27.996 MM Investment





Preventive work to provide care at the islands of San Andres, Providencia and Santa Catalina after hurricane Otto.

Otto Hurricane - Category 1, IN COLOMBIA FROM NOVEMBER 19 TO NOVEMBER 22 -

IMPACT

1
Department

2
Municipalities

Isolation was established by the system due to the Otto Hurricane, which started as a tropical storm and reached Category I, threatening the islands of San Andres, Providencia and Santa Catalina.



The timeliness and efficient preparation to face this hurricane left ZERO impact on the lives, goods and services.

CONSOLIDADO ATENCIÓN

- 535 members of SNGRD
- 10 water tanks
- 1 water purifying plant
- 2 motor pumps
- 2 tankers
- 17 shelters
- 4 warehouses
- 5.000 blankets

CARE

\$419 MM Investment



Press meeting during Otto Hurricane care activities. Life and Peace Crisis Room. Bogotá, D.C.

Support During Emergency: Ecuador Earthquake

IMPACT

On April 16, 2016, a 7.8 magnitude earthquake occurred in Ecuador, at 10 kms of depth, with epicenter in the city of Pedernales, Province of Manabí, affecting 6 other Ecuadorian provinces, in which The Government of Ecuador declared an emergency.

On April 17, the President of the Republic of Colombia, Juan Manuel Santos Calderón, activated the international cooperation protocol, in order to give support to our neighboring country.

In less than 24 hours after the disaster, the international protocol was activated and SNGRD arrived to take care of the emergency

CARE SUMMARY

-  **133** SNGRD members
-  **15.9** tons of rescue equipment
-  **621** tons of Humanitarian Aid
-  **8** accellographs
-  **1** ship mobilized
-  **525** repatriated citizens
-  **11** repatriated corpses
(6 repatriated)

SNGRD SUPPORT

422 MM Investment



Colombian Government officers visit Manta, Ecuador, after the Earthquake.

\$80 MM were donated by Colombians through account denominated “All in favor of Ecuador”

Aircraft Accident Operation: LA UNION – ANTIOQUIA

- NOVEMBER 28 at 11 pm -

EVENT

November 28, at Cerro Gordo, municipality of La Union, Department of Antioquia. The aircraft transported 77 passengers from Santa Cruz de la Sierra (Bolivia) to Rionegro (Antioquia).



“This was a humanitarian operation that required efforts of the entire SNGRD and all institutions”

Doctor Carlos Iván Márquez Pérez.

RESPONSE SUMMARY



342 SNGRD members



16 hours of operation



71 repatriated corpses



6 rescued passengers

SNGRD RESPONSE



Search and rescue operation coordination by the UNGRD Director.



Support in Emergency caused by Landslide in Copacabana, Antioquia

- MEDELLÍN-BOGOTÁ HIGHWAY, OCTOBER 26 TO NOVEMBER 2, 2016 -



The UNGRD Director coordinating search and rescue operations due to landslide at the Medellín-Bogotá highway.

A 70,000 m³ landslide in Las Margaritas, township of El Cabuyal, 800 meters away From the Copacabana tunnel in the Medellín-Bogota highway occurred on October 26.



200 hours of operation

3 rescued people

56
rescuers

6
SNGRD binomials

300
SNGRD officers

SNGRD officers in charge of :

- operations,
- pre-medical care
- psycho-social support and Funerary activities



7
backhoes



5
dumper trucks

Used for the removal of 30,000 cubic meters of mass



Yellow machinery in search and rescue operations due to landslide on the Medellín-Bogotá highway – Copacabana area.

Recovery Execution

Actions to restore normal living conditions through rehabilitation, repair or reconstruction of the affected area, assets and interrupted or deteriorated utilities, as well as the restoration and promotion of economic and social development of the community.

Emergency work execution. Capitanejo, Santander.



\$71,633MM Investment

32 Departments

284 Municipalities

\$ 5.342 MM
Construction
Material

\$ 40.160 MM
Water and
sanitation

\$ 9.800 MM
Money
transfers

\$ 16.6631 MM
Emergency
civil works

Materiales de construcción

Construction Material – Housing rehabilitation through the delivery of construction materials in 128 municipalities in 17 departments.

Transferencias económicas

Economic Transfers – Money transfers made in benefit of 12 Departments



Delivery of construction material. Department of Huila, Colombia.



Water Purification Plant. Manaure, Guajira

Water and Basic Sanitation

225 municipalities in 15 departments received benefits from UNGRD through interventions which allow a better access to drinking water.



Water availability in parcels of small agricultural producers was improved through the delivery of more than 2,000 reservoirs

ACTIVITIES PERFORMED

- 
15 wells constructed
 5 in Boyacá - 10 in Sucre
- 
2.111 water reservoirs
 206 municipalities - 14 Departments
 90% progress
- 
12 integrated water solutions
 La Guajira
- 
5 living means projects
 Guajira communities
- 
1 rehabilitated water and sewage system / Salgar

Emergency Civil Works

Civil works performed allowed restoring access and transportation systems in the different affected communities, through the rehabilitation of secondary and tertiary roads, as well as dredging work and canals cleaning.

- After Mathew Hurricane, two dredging and canal cleaning works were done in 15 municipalities in the Departments of Atlántico, Bolívar and Magdalena.
- During the rainy season, roads affected by floods were rehabilitated in 18 municipalities of the Departments of Chocó, Meta and Santander.



57,142 hours of work with yellow machinery allowed a fast recovery of secondary and tertiary roads, as well as creeks in 33 municipalities affected by emergencies.



Dredging and cleaning works in the secondary canal – Cienaga. Sabanagrande, Atlántico.



Dredging and cleaning works in Chiquito Stream in the municipality of Clemencia, Bolívar

Main Interventions

Salgar Recovery

- AVENIDA TORRENCIAL 17 DE MAYO 2015 , 20 HORAS -

ATENCIÓN

\$33,681 MM Investment

Infraestructura

\$ 8.094 Million Investment



UNGRD, in coordination with the Ministry of Housing, Ministry of Agriculture, Social Prosperity, the Government of Antioquia and the Municipality Government implemented actions to re-establish the normal conditions of life of the population.



Housing

La Pradera
50 households – 100% Progress



La Habana
186 households – In progress



La Florida
186 households- 64.55% Progress



Agriculture

\$ 1.200 millones de inversión

-  23 coffee production modules
-  49 Canopies constructed
-  47 shelters built with compost and water treatment
-  106 Animals delivered
-  1.920 Fertilizer bags delivered
-  150 coffee-growers trained
-  2.600 plantain cormels delivered
-  20.000 plantain cormels delivered
-  52 soil samples taken
-  37 Equipment for coffee production wet process



Re-activation of the agricultural sector through support of coffee growers and beekeepers with supplies, material, training and infrastructure.

Santander Departments Recovery Process Closing

- EARTHQUAKE - MARCH 10, 2015

CARE

\$ 41.000 million investment

2 Departments

9 Municipalities

629 Households



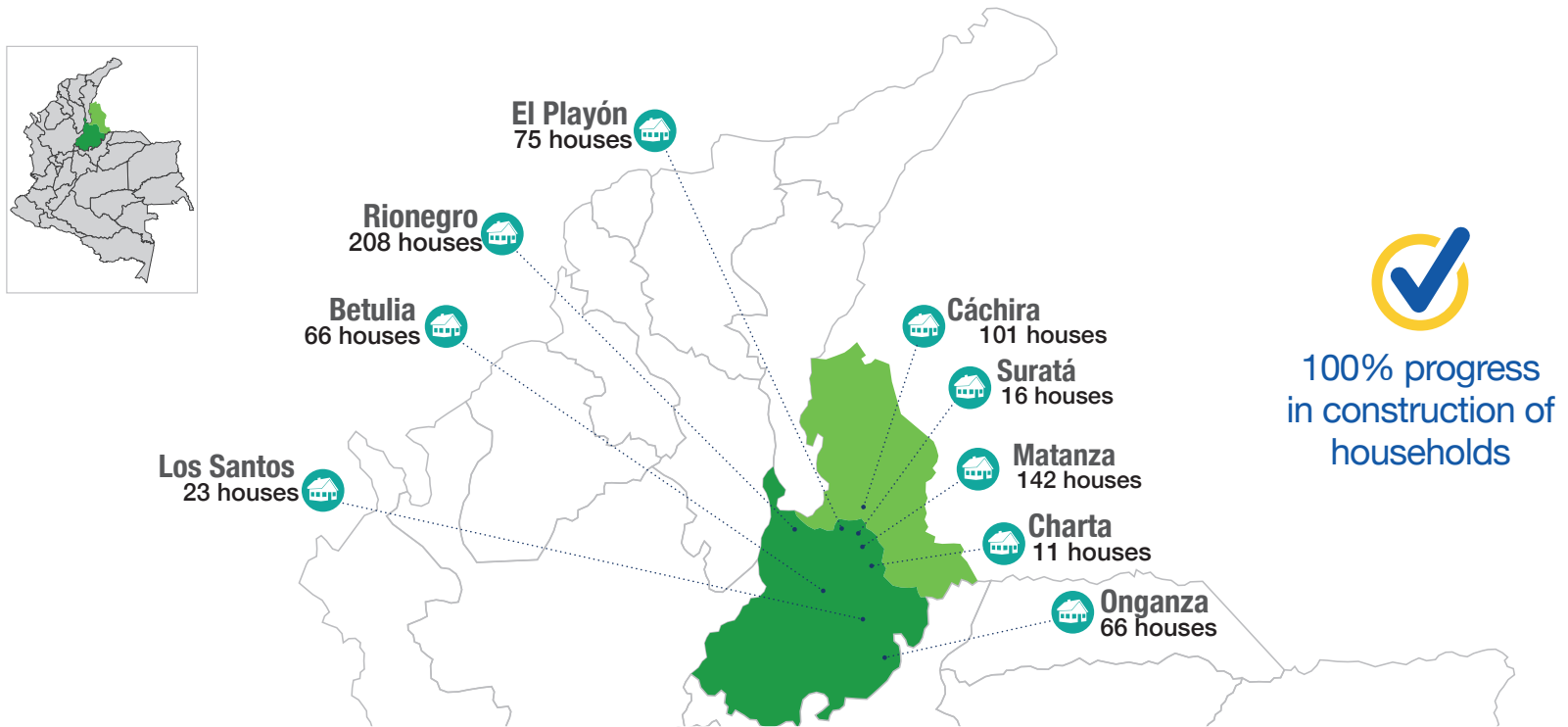
New Households

\$ 27.000 million investment



60% of houses are in the rural area, which required transportation by mule to move construction material.

Each of the houses represented at least 300 journeys with mule transportation.



HOUSE AUTO-REPAIR

\$ 9.200 million

Families received construction material.



YELLOW EQUIPMENT BANK

\$ 2.200 million

9.659 hours of service



EMERGENCY HUMANITARIAN AID

\$ 1.659 million

Food, mats and blankets.



RENTAL SUBSIDIES

\$ 858 million

To rent temporary housing.

CHAPTER 3

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STRATEGIC PROJECTS



Visit of President Juan Manuel Santos to the new tourist facilities in Providencia.



Visit from President Santos to the new tourist facilities in Providencia.

3.1

Subaccount San Andrés, Providencia y Santa Catalina



Subcuenta San Andrés

Archipiélago San Andrés, Providencia y Santa Catalina



Visit of President Juan Manuel Santos Calderon to new tourist facilities in Providence.

With the purpose of facing adverse effects in the islands' economy caused by ruling of the International Court of Justice of The Hague in 2012, the "San Andres, Providencia and Santa Catalina Strategic Plan" was designed to "generate new economic activities to substitute old survival means for the residents and the expenditure mechanisms for the implementation of investment programs and projects which allow timely reaction to today's situation in the islands".

Management Figures

INVESTMENT

\$182,118 MM Investment

1



DEPARTMENT
BENEFICIARIES

2



MUNICIPALITY
BENEFICIARIES

76.000



BENEFICIARIES



Process of construction of households in San Andres.

The construction of 334 rural households is in execution in San Andres, Providencia and Santa Catalina, benefiting 1,456 people and generating 110 jobs.

Resources From the General Budget of The Nation -PGN

1. Productive Development

\$ 44.267
MM
Amount allocated

\$34.992
MM
Amount paid

79%
% Budget

Subsidies for air tickets an fuel generated **558 jobs**.

2. Social Development

\$ 45.941
MM
Valor comprometido

\$43.250
MM
Amount paid

94%
% Budget

671 condonable credits were granted and 198 senior students were trained to promote their university studies.

3. Infrastructure

\$ 37.309
MM
Valor comprometido

\$21.003
MM
Amount paid

56%
% Budget

UNGRD, with support from the Ministry of Housing and the Government of the Department executed a sewage system Project which will broaden the service from 44% to 100%, in benefit of more than 20,000 inhabitants.

4. Institutional Strengthening

\$ 2.463
MM
Valor comprometido

\$2.305
MM
Amount paid

94%
% Budget

The Islands Population Registration was consolidated, including socioeconomic data of individuals and homes of the islands. This information will be used as the basis of plans, policies and programs of the islands.

5. Sustainable Development

\$ 1.260
MM
Valor comprometido

\$114
MM
Amount paid

9 %
% Budget

Contract subscribed with Rocky Mountain Institute to propose potential solutions to Power supply problems of inhabitants of the islands.

The entrepreneurship and sustainable development projects have generated approximately 780 direct and indirect jobs.

IDB Credit Resources

To guarantee sustainable development of the Islands of San Andres, Providencia and Santa Catalina after the ruling of The Hague, through COMPES document No. 3778 dated October, 2013, the IDB Credit for 70 MM USD was approved, in order to finance the second stage of the program.

- The Antonieta Davis Entrepreneurial Program was launched on June 15, 2016. It finances 18 entrepreneurship programs which generate 108 direct jobs.
- In December 2016, PHASE I contracts for integral improvement of neighborhoods in San Andres and Providencia were allocated, in benefit of 2,000 people.
- Project Assessment post-graduate studies were financed for 40 public officers of different entities of the island, in an amount of \$519 million.

Component	Amount Allocated (Thousands USD)	Amount Paid (Thousands USD)	Budget %
I Integrated Urban Development	U\$ 24.500	U\$ 8.312	34%
II Water and Sanitation Access and Supply	U\$ 24.000	U\$ 15.558	65%
III Improvement of Coast Infrastructure and Coastal Risk Management	U\$ 9.000	U\$ 605	7%
IV Economic and local development	U\$ 5.000	U\$ 2.799	56%
V Fiscal Strengthening	U\$ 2.500	U\$ 197	8%
TOTAL	U\$ 70.000	U\$ 16.828*	24%

* Total Amount in Colombian Pesos: \$ 50.877 millones



Entrepreneurial Fund of the San Andres, Providencia and Santa Catalina Plan.



Visit of President Juan Manuel Santos Calderon to the communities of Buenaventura, Valle del Cauca.

3.2

Plan Todos Somos PAZcífico

Todos Somos PAZcífico



Strategy developed by the National Government for the execution of programs and projects of electricity, water, basic sanitation and connectivity in order to improve the Pacific Coast development.

The execution of these interventions is done through the Fund for the Development of the Plan called Todos somos PAZcífico, which involves an investment of USD\$ 400 MM financed through credits with the Inter-American Development Bank and the World Bank.

Fund Management Board for the development of Todo somos PAZcífico Plan. CONFIS – Ministry of Finance and Public Credit. Bogotá, D.C

Management Figures

INVESTMENT

US\$ 400 MM

4

**DEPARTMENTS
BENEFITTED**

50

MUNICIPALITIES

745.000

BENEFITTED

The Plan includes the following interventions:

1. Energy

Energy solutions for priority municipalities of the Pacific Coast. Amount: USD 91 MM programmed.

2. Water and Sanitation

Water and basic sanitation solutions for the cities of Buenaventura, Quibdó, Tumaco and Guapi and solutions for 6 municipalities in the Aqualane Corridor. Amount USD 251 programmed.

3. Connectivity

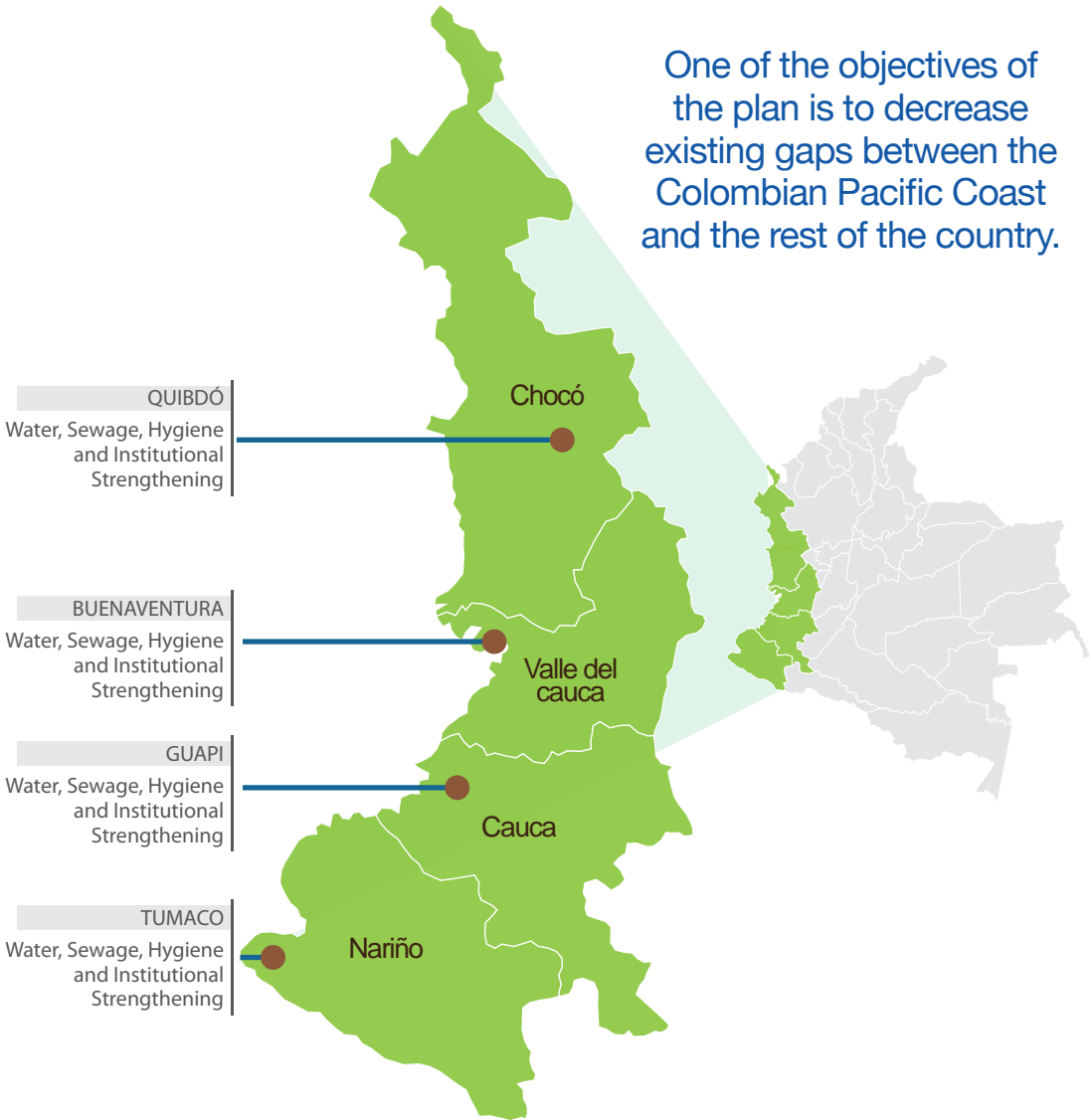
Protection and dock work in 8 municipalities (Francisco Pizarro, Mosquera, La Tola, Olaya Herrera (Satinga), El Charco, Santa Barbara de Iscuandé, Timbiquí and Lopez de Micay). Amount USD 42 MM programmed.



Integrated development
for the Pacific region as an
important stakeholder
In the construction of peace in
the post-conflict process.

PRIORITY MUNICIPALITIES

One of the objectives of the plan is to decrease existing gaps between the Colombian Pacific Coast and the rest of the country.





The TODOS SOMOS PAZcífico PLAN is the highest investment made by the National Government within the 2014-2018 National Development Plan in benefit of communities in the Pacific Coast of Colombia.

Approved Water and Sanitation Projects

- **Buenaventura:** Construction of the Water Storage Tank in Venecia and Loma Alta, with a total investment of \$58,221 MM. in benefit of 399,619 inhabitants.
- **Tumaco:** Integrated Water Supply Project which will increase the coverage in the continent island from 25% to 50%, in benefit of 106,486 inhabitants, with an investment of \$20,449 MM.



Socialization of the “Todos Somos PAZcífico” Plan with the community of Buenaventura, Valle del Cauca.

Projects were socialized during 2016, taking into consideration the importance of the involvement of communities and local administrations.

CHAPTER 4

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INTERNATIONAL COOPERATION



The Director of UNGRD, Carlos Iván Márquez, delivers a recognition to Mr. Hitoshi Baba from the International Agency of Cooperation of Japan, JICA, for its work in Colombia and its contribution to the Disaster Risk Management National System. UNGRD Facilities, Bogotá, D.C.



Emergency humanitarian aid being sent due to Mathew Hurricane damages in Haiti, transported in ARC 7 de Agosto ship of the National Navy.

4.1

Management of National and International Cooperation



9 Projects

24 Cooperating Entities

The international cooperation process guided its actions within the International Cooperation Strategic Plan and in coordination with the Presidency Agency of International Cooperation of Colombia – APC- COLOMBIA, and the Ministry of Foreign Affairs, based on the following activities:

- Management of national and international cooperation.
- International affairs
- International Emergency Support.

Management Figures

INVESTMENT
\$ 7.700 MM

4


**DEPARTMENTS
 BENEFITTED**

8


**MUNICIPALITIES
 BENEFITTED**

23 mil


**PEOPLE
 BENEFITTED**

Management of National and International Cooperation

During 2016 the triangular cooperation strategies were strengthened, following the recommendations of Sendai. The South-South cooperation based on bi-lateral agreements and common interests and the leadership of SNGRD at global level, having the Regional Presidency of INSARAG in the Americas.

Nine projects were managed, with the following partners:

- United Nations (FAO, OCHA, IOM, UNHCR)
- International Red Cross (FICR, German Red Cross, Spanish Red Cross)
- General Directorate of Humanitarian Aid (DG ECHO)
- International NGOs (Helpage, Global Lutheran Federation)
- Deltares Institute
- Academic sector

The different partners have contributed at a different scale to strengthen the SNGRD entities

Knowledge Management was strengthened:

- 300 SNGRD members training in 35 academic entities in regards to Risk Management.
- 3 technical assistances in search and rescue (Fairfax, USA); Implementation of the Disaster Risk Management Policy (JICA); evaluation of

drills and simulations (Country Humanitarian Team).

- 3 donations of water and sanitation in kind, in an amount of \$722 MM.
- 18 experience exchanges in benefit of SNGRD.



Transfer of Presidency of INSARAG of the Americas from Colombia to Ecuador.



International Affairs

Outstanding work done by Colombia as Regional Presidency of INSARAG for the Americas in 2016, with the following achievements:

- 300 INSARAG guidelines translated into Spanish. Workshops held with USAR Teams of Honduras, Dominican Republic, Argentina, Chile, Peru and Colombia.
- SIMEX Colombia exercise was held in September, 2016.
- XV Meeting of the INSARAG regional group and III UNDAC meeting were held in Bogotá.

The Andean Strategy for Disaster Risk Management was set within the Pro-Tempore Presidency of CAPRADE.

Representation of the Government of the Republic of Colombia in official meetings with CELAC, UNASUR High Level Group, Meso-America project and Ministerial Meeting of the Americas on Disaster Risk Management.

The most important international events in which UNGRD represented Colombia were the following:

- Global Meeting of the International Consulting Group for Search and Rescue Operations – INSARAG and UNDAC (February, 2016 – Geneva, Switzerland)
- Global Humanitarian Summit (May, 2016 – Istanbul, Turkey)



Bi-national Colombia-China Meeting. UNGRD Facilities. Bogotá, D.C.

Emergency International Support Operation

UNGRD activated basic response services:

- Ecuador – Earthquake in April, 2016 (Emergency Humanitarian Aid). 2 search and rescue teams, technical and logistics support, donation in cash)
- Haiti, Mathew Hurricane in October, 2016 (Emergency humanitarian aid, logistic support with a Colombian navy ship and helicopter).



“Colombia will have a team certified by INSARAG, which will contribute with the response capability of our country and the region of the Americas”

CHAPTER 5

INSTITUTIONAL MANAGEMENT



Training session of Department and Capital City Coordinators of the Disaster Risk Management National System. Facilities of the Logistics national Center. Bogotá, D.C.



Delivery of Cotecna Quality Certificates. Bogotá, D.C.

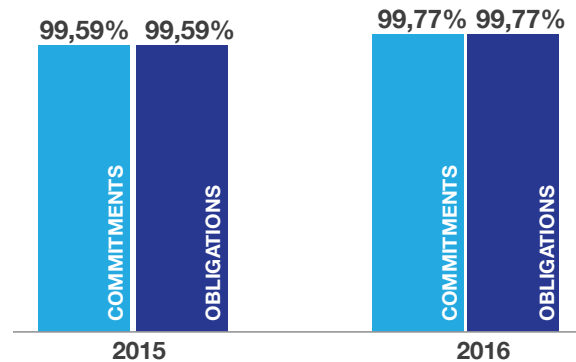
5.1

Planning and Information

Strategic Planning

In 2016, UNGRD achieved 99.7% of its budget execution, allocating a total of \$252,815 MM pesos, distributed as follows:

- Operational expenses to execute 99.77% of the budget (\$250,888 MM)
- Investment expenses to execute 99.77% of the budget (\$1,927 MM)



Certificaciones de SIPLAG de la UNGRD.



UNGRD's three investment projects achieved 99% of the physical and financial execution during 2016.

Integrated Planning and Management System – SIPLAG

- Since March 9, 2016, UNGRD has the quality certificates on public management, environmental management and labor safety and health, becoming the first entity of the Presidency of Colombia's sector in achieving such accreditations.
- This HSEQ (Health, Safety, Environment, Quality) accreditation was granted to UNGRD by COTECNA on March, 2016. This accreditation is effective from March 9, 2016 to September 15, 2018.

Data Systems

- The design and implementation of the application that allows structuring the action plan, as well as making dynamic follow-ups and updates, generating reports on line.
- UNGRD initiated the entrepreneurial architecture project which includes technological innovation in disaster risk management processes in association with Universidad de los Andes.



Application to facilitate citizens' participation in disaster risk management.



Meeting of communicators of the Risk Management National System. Bogotá, D.C.

5.2

Role of Information and Press in Risk Management

**2.650
publications**

**469
Press
bulletins**

**10
Press
conferences**

**10
Institutional
campaigns**

**120
Graphic design
projects**

**57
Audio-visual
projects**

External Communications

2,650 UNGRD publications in communication media (radio, TV, printed material and internet).

- 469 press bulletins 54 communications and 40 last minute notes.
- 10 campaigns to inform citizens about the following: Rainy season, #EstamosConEcuador, Border Services, Closing of El Niño Phenomenon, Tropical Storm, Accountability, SIMEX Colombia 2016, National Drill, Risk Does Not Leave on Vacation, Dry Season, etc.
- 57 audiovisual projects developed: Colombia Less Vulnerable, Colombia-Ecuador Operation, SIMEX Colombia 2016, Salgar Operation, La Guajira Documentary, Santander Operation Documentary, Choco Operation, Month in images and institutional flipcharts.



Information to communication media after Ecuadorian earthquake. Bogotá, D.C.

Press Conferences

Relations with journalists from different communication media who cover UNGRD activities strengthen day after day, through press releases, answering their questions and doubts, and being in permanent contact.

10 Press Conferences were held to inform the public about UNGRD actions with regards to:

- Decreasing impact of El Niño phenomenon and recommendations for Easter Week.
- Ecuador's Earthquake
- End of the first dry season and El Niño phenomenon.
- Salgar, Antioquia Drill
- Delivery of donation money from Colombia to Ecuador, after the earthquake.
- SIMEX Colombia 2016
- National Evacuation Drill
- Otto hurricane
- End of the Rainy Season 2016 and Contingency Plan for the Dry Season of 2017
- 2016 Management Report and recommendations for New Year's.



Participation of UNGRD's Director in "The Crystal Urn" Program to inform about the 2016 Rainy Season.

Digital Communication

Being aware of the importance of new technologies as a valuable tool to disseminate information on risk management and UNGRD's actions, the following activities were held:

Social Networks



FACEBOOK

	<u>Amount</u>
Followers	20.988
I like	21.128
Publications	487
People reached	1.200.000



TWITER

Followers	41.454
Publications	2.023
People reached	4.000.000



YOU TUBE

Published Videos	98
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Communication was achieved through these activities, facilitating timely access to data on the most important events regarding disaster risk management in Colombia.





2016 Accountability Hearing. UNGRD Bogotá, D.C

5.3

Legal Defense

**215
New Legal
Processes**

**17
Contractual
Breaching
Processes**

**293
Claims**

**237
Hearings**

**212
Writs of
protection**

**27
Administrative
acts**

**\$ 3 Billons
Billion in fiscal
savings**

Legal Processes

A total of 430 active processes resulted from 215 legal processes in 2016

80% correspond to process related with direct repairs through economic support of \$1.5 MM, as established per Resolution No. 074 of 2011.

Writs of Protection

With the implementation of the Anti-Judicial Damage Prevention Policy there was a 52% decrease in writs filed, which represents a total of only 212 writs.

The majority referred to housing rights in Bucaramanga, Santander, as well as in Andes, Antioquia.

Claims

Out of 293 claims resolved under the established terms, 71% correspond to the General Comptroller's office, 35% to the Prosecutor's Office and 8% to the Attorney General's Office.

Hearings

A total of 237 hearings were attended, where 82% of them related to direct repairs and 5.9% to class actions.

Additionally, legal measures were taken with respect to 17 contractors and 27 administrative acts were issued in relation to Law No. 1523 of 2012.



According to the State Legal Defense National Agency, UNGRD positively resolved the second largest process against the Government, avoiding the payment of more than \$3 Billion pesos.

A total of 176 favorable rulings in 2016.



Audiencia de Rendición de Cuentas 2016. UNGRD Bogotá D.C.

5.4

INTERNAL CONTROL

**440
Activities**

**166
Consultancy and
Support cases**

**54
Evaluations
and Follow-up**

**98
Links with
External
Entities**

**103
Risk
Assessments**

**19
Activities to
promote a
control culture**

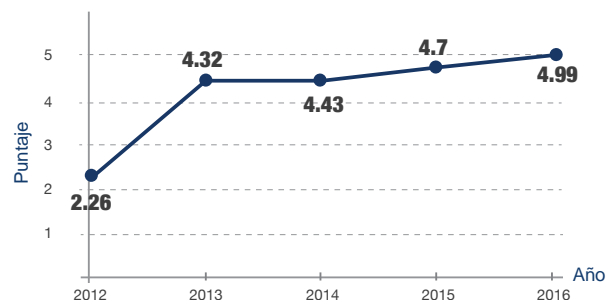
Main Achievements

The Upper Management commitment and actions implemented to strengthen the Internal Control System highlight the principles of self-control, standard compliance, requirements applied to administrative and mission activities of the entity.

The Internal Audit performed by the Internal Control Office to the Integrated Planning and Management System – SIPLAG during 2016 to maintain standards derived from ISO 9001:2008, NTCGP 1000;2009, OHSAS 18001;2007, MECI 1000;2014, ISO 14001;2004, MIPG Planning Integrated Model, was satisfactory.

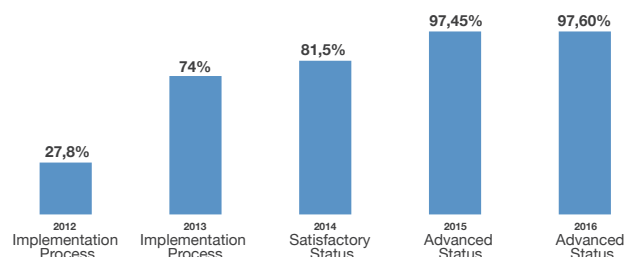
A total of 32 recommendations were made to the Departmental Governments with regards to the Machinery Bank Project, in order to have the proper fiscal management regarding the management, use and integral protection of the machinery transferred by the National Government through UNGRD.

EVOLUCIÓN UNGRD



Evaluation of the Internal Accounting Control System.
Source: General Audit of the Republic

EVOLUCIÓN UNGRD



Assessment made using the virtual application of the Public Operation Administrative Department; 97.45%, with an advanced status grading.



The deputy public management comptroller's office and financial institutions in their regular 2015 audit issued a favorable concept, with a total grade of 97.60 points for the entity, approving UNGRD's account, without exceptions.



MANAGEMENT REPORT 2016

UNIDAD NACIONAL PARA LA GESTIÓN DE RIESGO DE DESASTRES

2017



Colombia less vulnerable

*More resilient
communities*

