



Climate Change and Urban Policy Colombia





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## URBAN-LEDS PHASE II: PROJECT GOALS





## Biodiverciudades

Colombia: un país de **Biodiverciudades** 

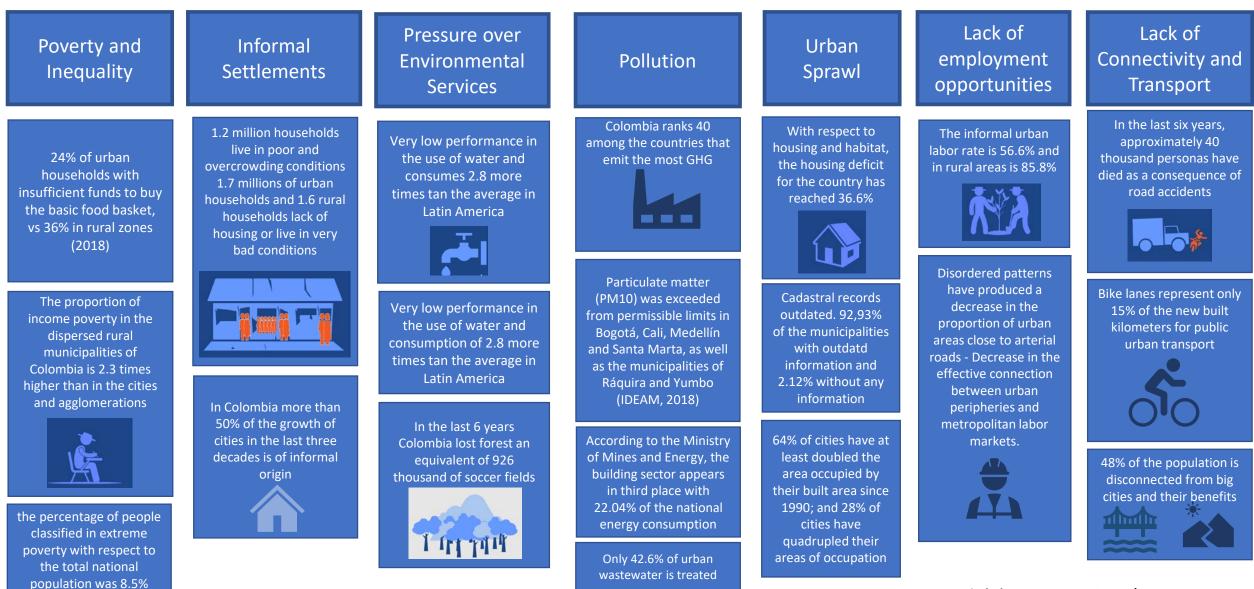
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#### Problems to address in the NUP Process

(+.6% 2015 -2016)





#### Legal and Policy Instruments for Urban PLanning

**Political Constitution (1991)**.- Establishes the structure of the territorial entities: Department, Districts, Municipalities, Indigenous Communities

**Law 99 (1993).-** Establishes the National Information Environmental System (SINA) and the structure for the environmental management in the country

Law 388 (1997).- Ley de Desarrollo Territorial Set the principles and implementation mechanisms for the national and territorial planning

Lay 617 (2000) -- Establishes differences according to the size of the population and the annual current income of the municipalities. Although this categorization has been useful for the control of operating expenses, it does not allow differentiating the characteristics of the level of development of the territorial entities

Law 1454 (2011).- Ley de Ordenamiento Territorial Specify competencies to each level of government

Law 1551 (2012).- Establishes a categorization in line with the Law 617, adding the economic component. Municipalities are categorized in: large, intermediate, basic.

CONPES 3819 (2014).- System of Cities



#### CIUDADES 4.0 - NATIONAL URBAN POLICY (NUP)

VISION	 SYSTEMIC – INTRA URBAN
SCALE	 NATIONAL – SUSTAINABLE BUILDING
CATEGORIZATION	 CENSUS 2020
ARMONIZATION	 DIFFERENT LEGAL INSTRUM.
APPROACH	 BOTTOM UP – TOP TO BOTTO
INDICATORS	STRENGTHENING OPERATION



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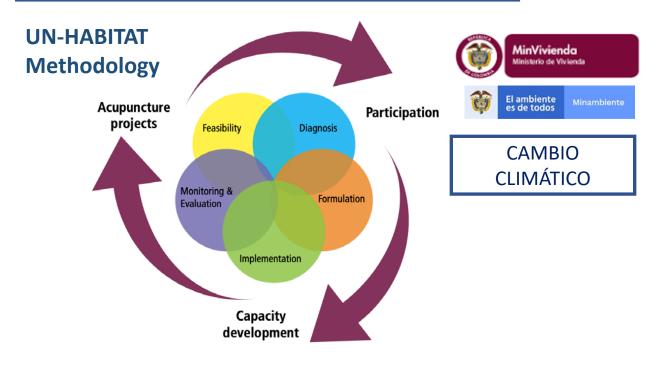
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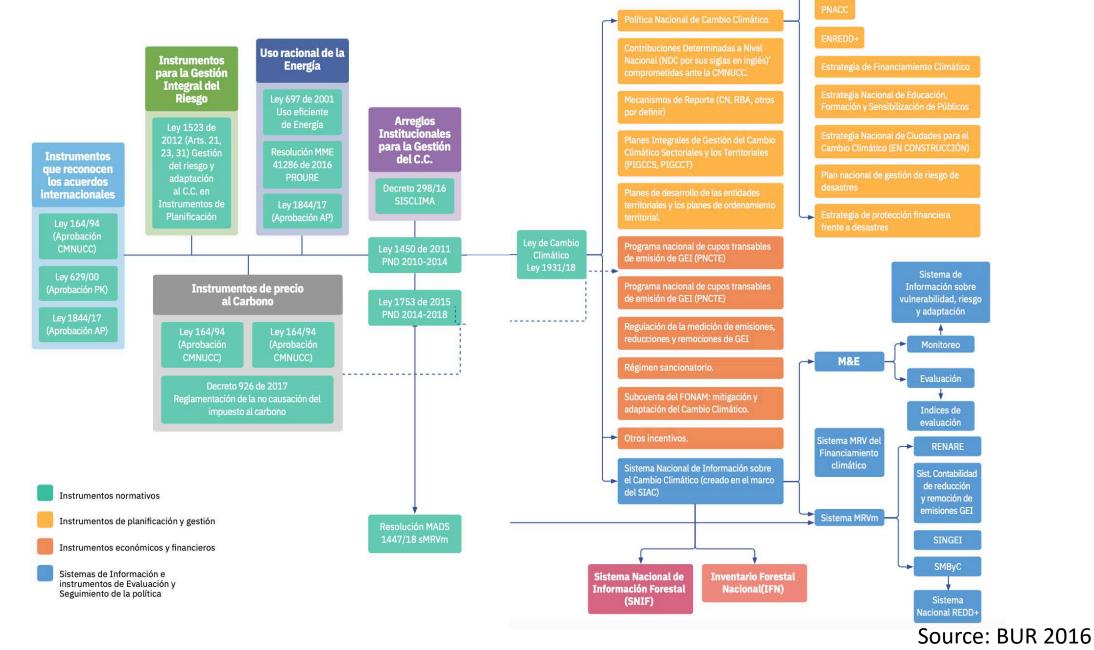


#### CIUDADES 4.0 - NATIONAL URBAN POLICY (NUP)



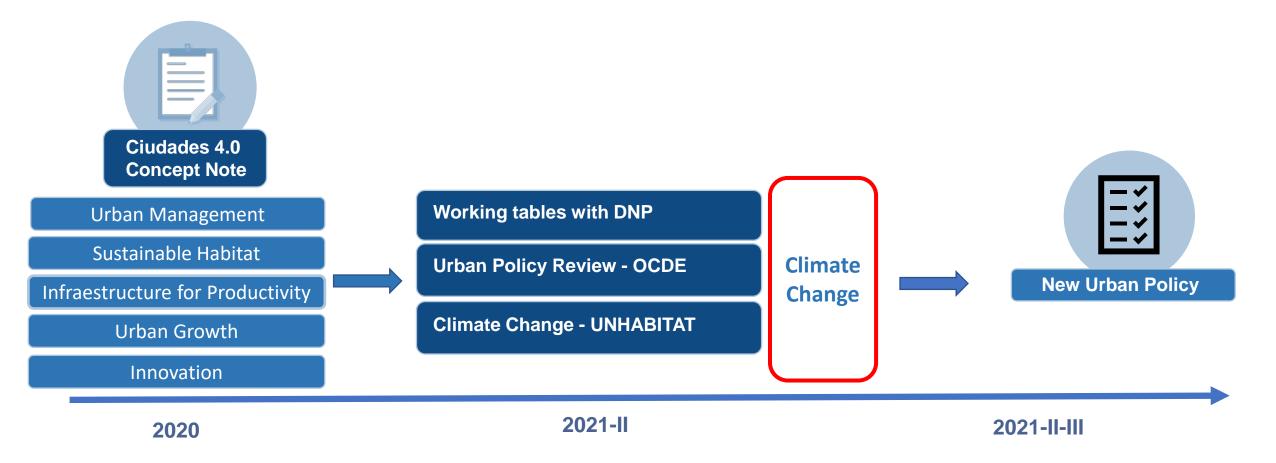
#### **Climate Change Framework**

FOR A BETTER URBAN FUTURE



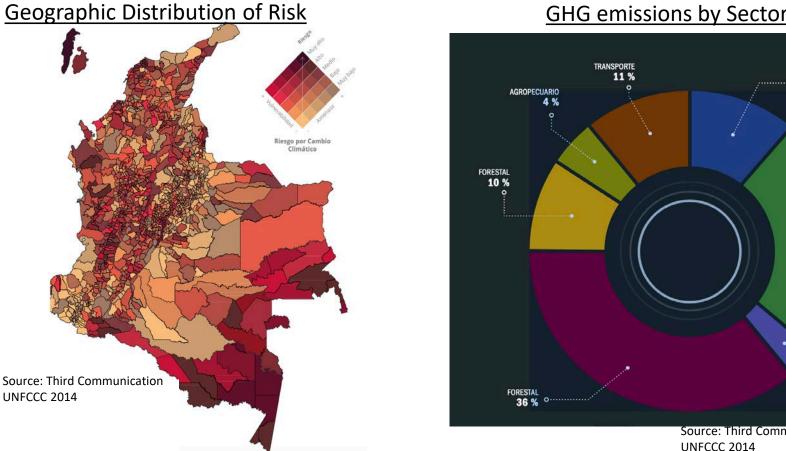
#### **Current State of the Process**







## Why mainstreaming climate change into the NUP?



#### GHG emissions by Sector (2014)

INDUSTRIA

11 %

MANUFACTURERA

AGROPECUARIO

COMERCIAL Y RESIDENCIAL

3%

26 %

The total estimated direct GHG emissions for this year were 236,973 Gigagrams of CO2.

CO<sub>2</sub> removals Estimated -22,659 Gigagrams were CO2eq, mostly by forest Consequently, lands. net emissions (net balance) for 2014 were 214,315 Gg of CO<sub>2</sub>eq

to help save the

planet from

Ve are likely to exceed th

devastating consequences

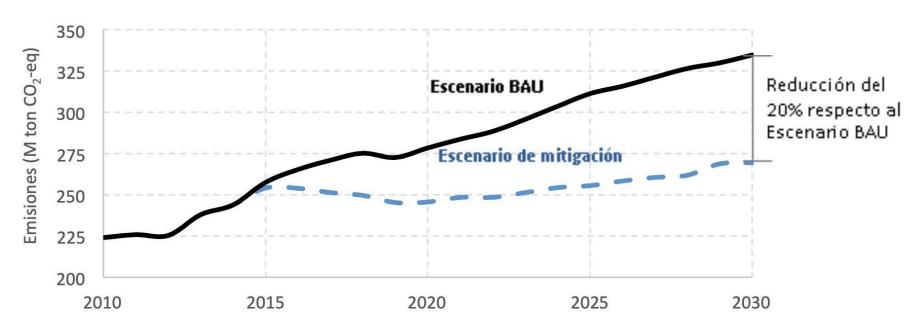
Source: Third Communication

- Climate Change represents high economic, social and cultural impacts for the country
- Colombia is highly vulnerable to climate change, through El Niño, La niña and other phenomena
- Forestry (36%), Agriculture (26%), Residential and Transport (14%), are the sectors that emit higher concentrations of GHG. Residential sector- one of the most affected
- Impacts on human health, regional competitiveness...

## Why mainstreaming climate change into the NUP?



LIMITING GLOBAL WARMING TO 1.5 TO 2.0C WILL REQUIRE FAR REACHING TRANSITIONS IN CITIES IN THE COMING TWO DECADES



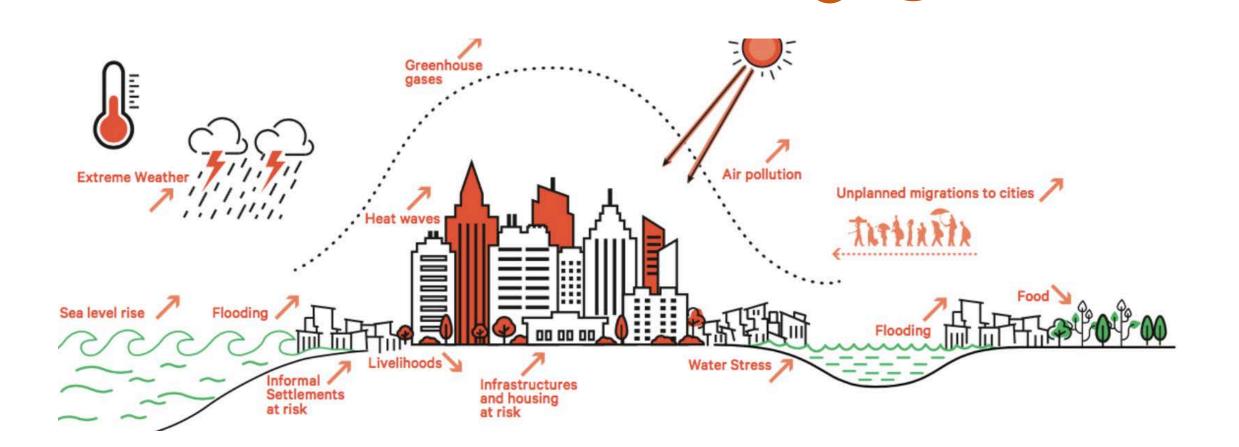
According to its recent NDC submission, Colombia will produce a maximum of 169.44 million tons CO2 eq in 2030 (equivalent to a 51% reduction in emissions) 2027 – 2030 Carbon Neutrality

Source: BUR, IDEAM 2015



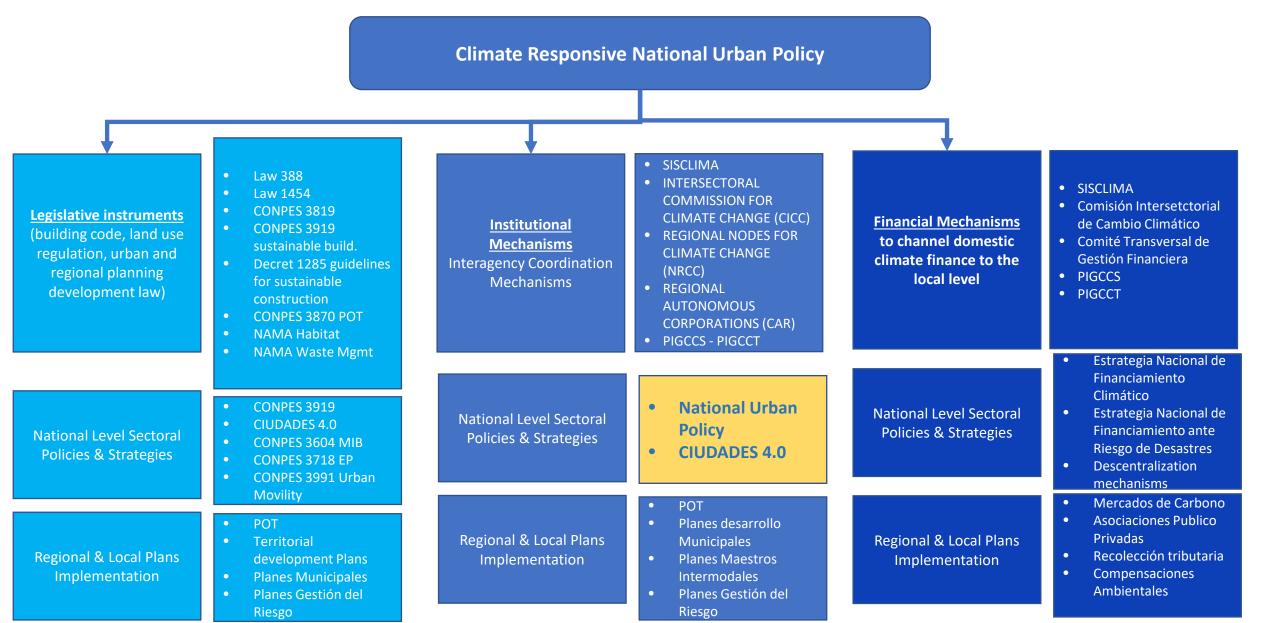
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#### Climate Action – Urban Policy

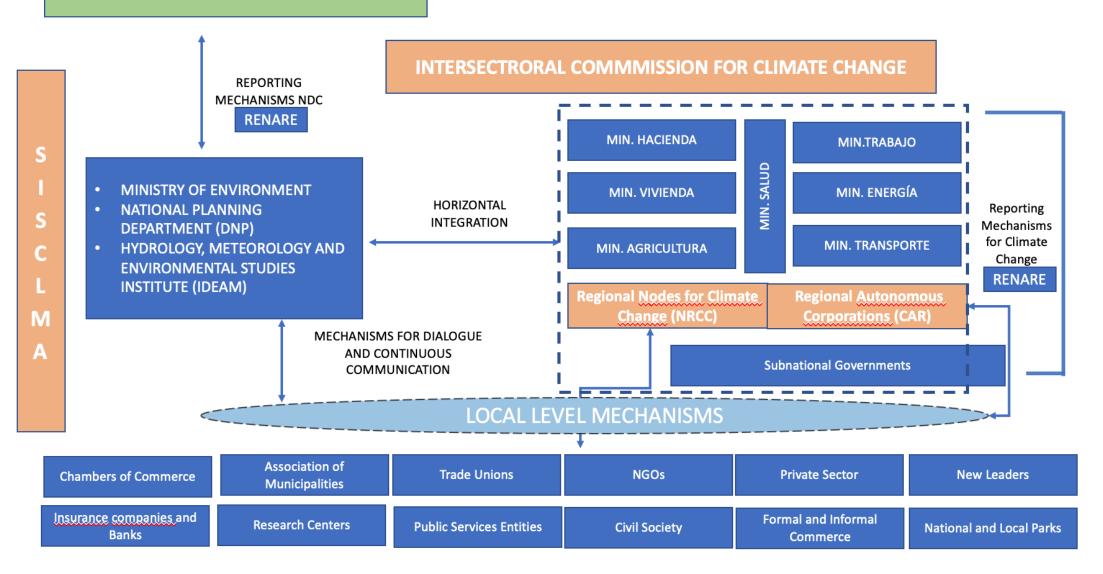






## **Multilevel Analysis**

UNFCCC



# The importance of planning instruments in the climate change FOR A BETTER URBAN FUTURE management

PAC	POMCA	POT	Plan Estratégico Metropolitano de O.T.	POMIUAC
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Armonización de insumos generados desde las tres estrategias para la gestión del cambio climático: datos, información, cartografía, análisis climáticos, acciones, entre otros.

Fuente: Elaborado por los autores.

Source: DNP, MINAMBIENTE, IDEAM SNGRD, UNGRD. (2016) "Plan nacional de Adaptación al Cambio Climático: Líneas de Acción Prioritarias para la adaptación al cambio climático en Colombia"

#### Law 1931 Guidelines for Climate Change Management

- ART. 7 Incorporate C.C. Management in POT
- ART. 10 CAR Integrate climate change strategies in POT
- ART. 13 Jan, 2020 POT should incorporate C.C. criteria
- Art. 14 Climate Change management
- Art. 19 PIGCCT POT

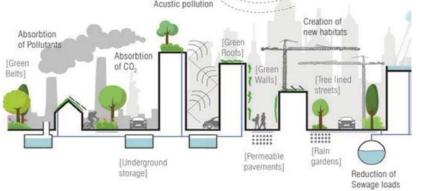
## Diversity ok knowledge

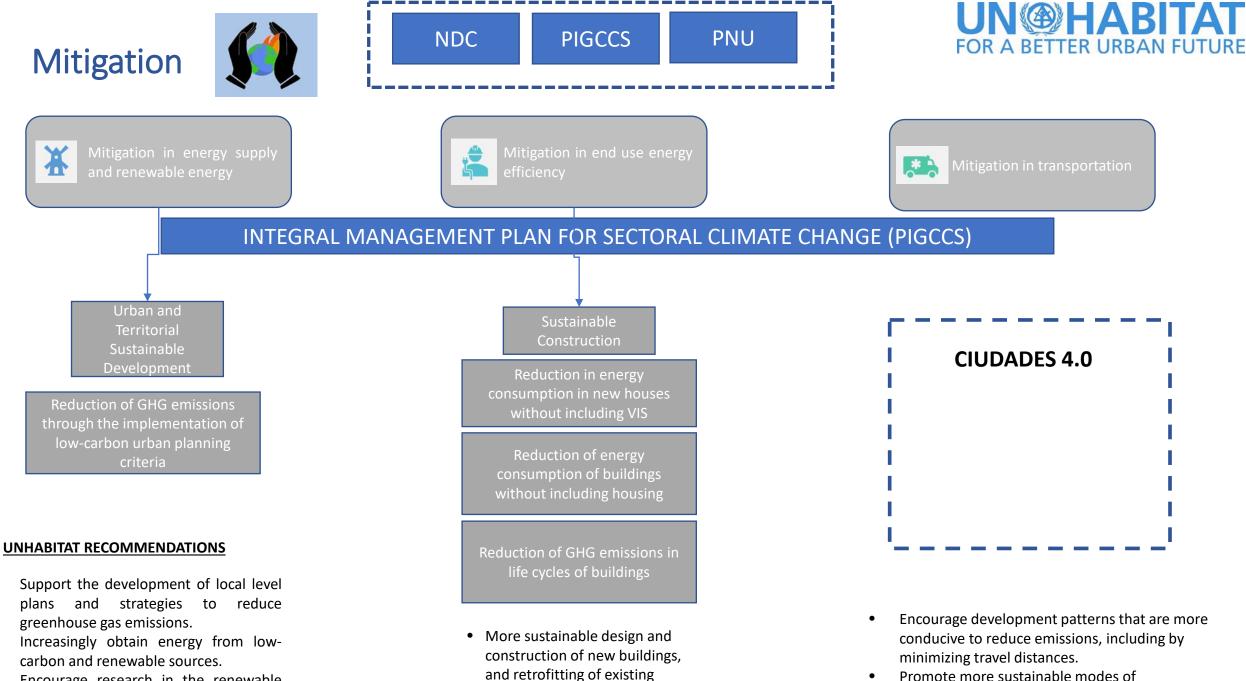
	Gestión Ambiental Regional	Planificación ambiental	Planificación territorial	Gestión del riesgo de desastres
NACIÓN		Planes Estratégicos de Macrocuencas (1.500.000)		PNGRD y estrategia nacional para la respuesta a Emergencias <sup>22</sup>
REGIÓN	Plan de Manejo de Áreas Naturales Protegidas-PM	POMCA (Subzonas hidrográficas o nivel subsiguiente)-POMIUAC (Escala: 1:25,000 1:100,000)	Plan Estratégico Metropolítano de Ordenamiento Territorial	Planes Distritales de Gestión del Riesgo y estrategia de respuesta
DEPARTAMENTO	PGAR –PAC-Instrumento de Sy£ (SIAC-SIPGA) PM de Áreas Naturales Protegidas	PMA de Microcuencas y Acuíferos	Planes de Ordenamiento Departamental	PDGR y estrategia de respuesta
MUNICIPIO	Planes de Manejo de Áreas Protegidas	PMA de Microcuencas 1:10.000	POT, PBOT, EOT (rural: 1:25.000 urbano: 1:10.00, 1:2.000)	PMGR y estrategia de respuesta

HARMONIZATION

Fuente: Elaborado por los autores con base en L.388/1997, L.1454/2011 L.1625/2013, D. 1640/2012, D. 1120/2013, D. 1200/2004, D. 2372/2010, D. 1076/2015, L. 1523/2011, y D. 1807/2014.

#### Source: DNP, MINAMBIENTE, IDEAM SNGRD, UNGRD. (2016) "Plan nacional de Adaptación al Cambio Climático: Líneas de Acción Prioritarias para la adaptación al cambio climático en Colombia"





buildings.

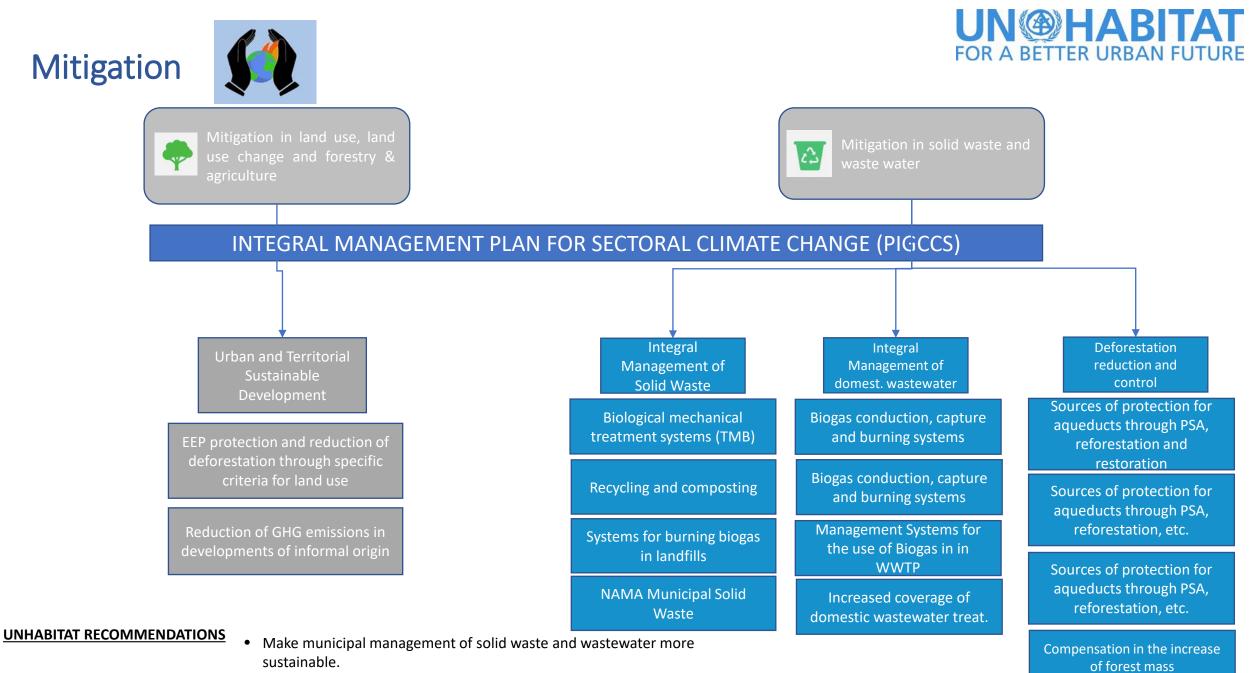
Encourage research in the renewable sector and innovative solutions.

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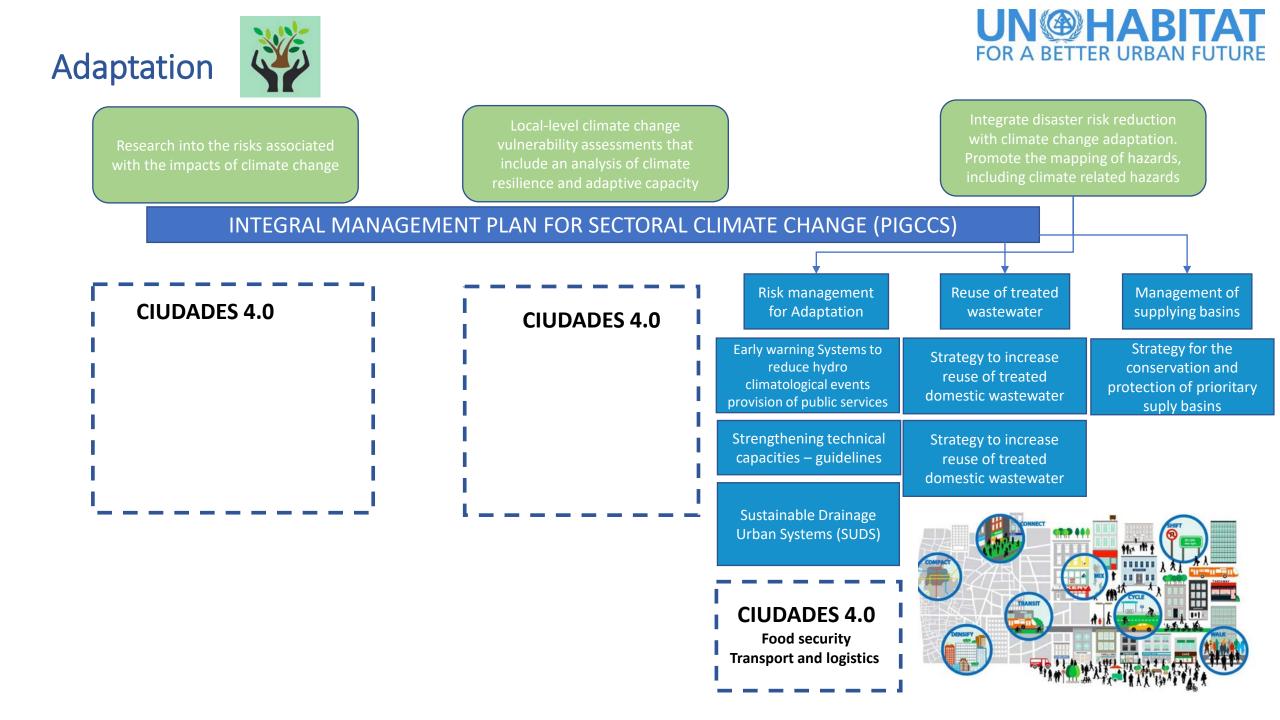
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• Promote more sustainable modes of transportation.

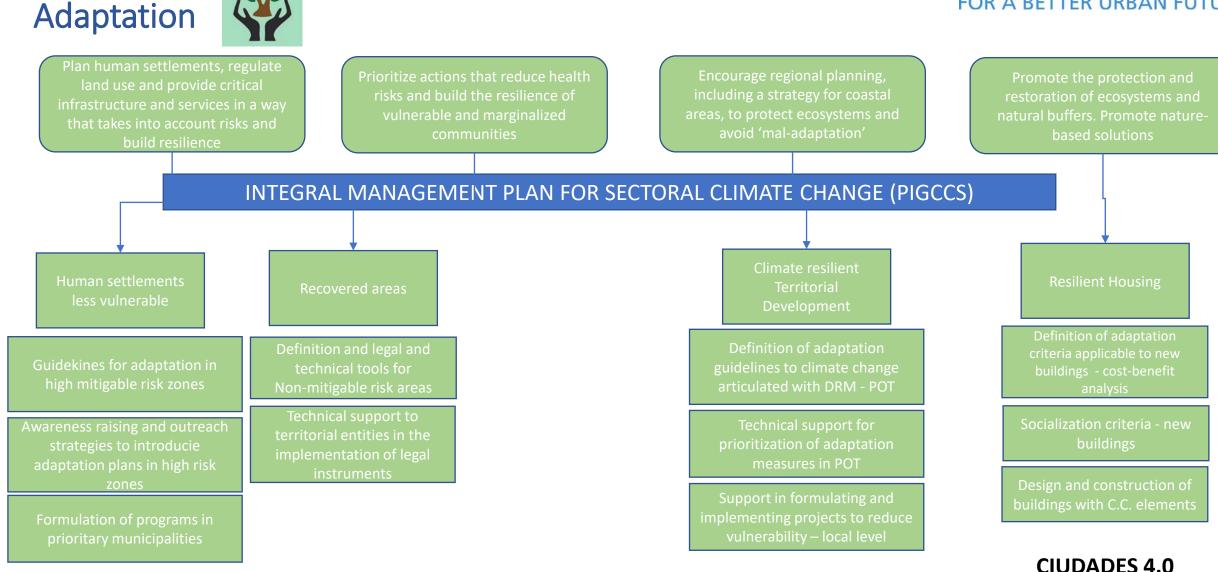


- Initiate community- led waste segregation and collection.
- Innovate waste-to-energy solutions.

Aqueducts sewers and landfills





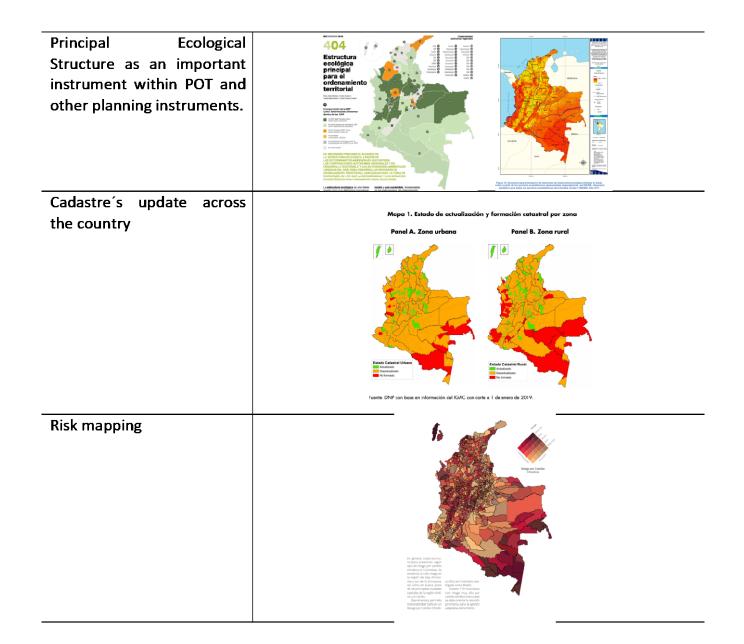


#### UNHABITAT RECOMMENDATIONS

- Make municipal management of solid waste and wastewater more sustainable.
- Initiate community- led waste segregation and collection.
- Innovate waste-to-energy solutions.

## ipal Ecological Structure (EEP) – Cadastre – Risk bing



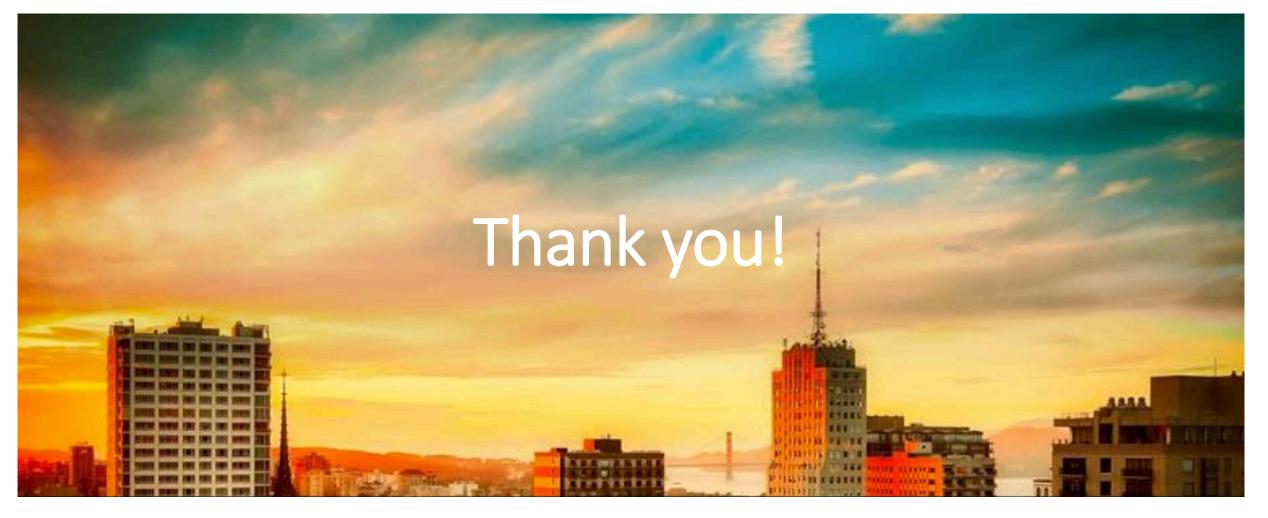


#### Initial recommendations



Actions	Legal and Institutional Considerations
Develop guidelines, handbooks and all the necessary material on time to strengthen local capacities for adaptation and mitigation actions. Consider the creation of a Knowledge Management Institution that coordinates and facilitates continuous materials and training	Política Nacional de Ciencia e Innovación para l Desarrollo Sostenible (Libro Verde)
Continuous technical support will be necessary to incorporate climate change aspects in the Land Use Plans (POT) and all existints planning instruments.	Law 1454, 2011; Law 152, 1994; Law 1962, 2019; CONPES 3870;
Develop more research and cooperation frameworks with research centers / New agreements to produce more data and information to take better decisions	Law 1931, 2018; Política Nacional de Ciencia e Innovación para el Desarrollo Sostenible (Libro Verde)
Increase vulnerable assessment studies, identifying risks and adaptive capacities at the local, regional and national level	Law 1523, 2012; Law 1931, 2018; Law 1444, 2011;
Although the water and sanitation sector has mainstreamed DRM in their adaptation strategies, it is still necessary to mainstream specific DRM actions in infraestructure for productivity, urban growth, transport, and urban management	Law 1523, 2012; Law 1931, 2018; Law 1523 of 2012





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