MRV and Accounting approaches Colombia

Partnership on Transparency in the Paris Agreement

6th Annual Retreat

September 6th, 2017

Agenda

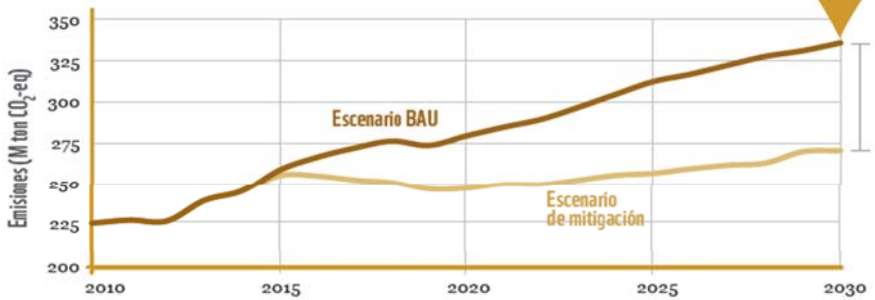
- The NDC mitigation target of Colombia
- National MRV approach
- Five steps accounting methodology in Colombia
- Institutional Arrangements - SISCLIMA
- Information systems
- Next steps

Colombia mitigation goal in the COP 21

Mitigation Goal

Unilateral and unconditional goal

Reduction of **20%** of BAU



2010

Base year

SCOPE

Economy wide goal

The NDC mitigation target of Colombia for 2030, is a reduction of APPROXIMATELY 670 million tons of CO2-e in the period 2015-2030.

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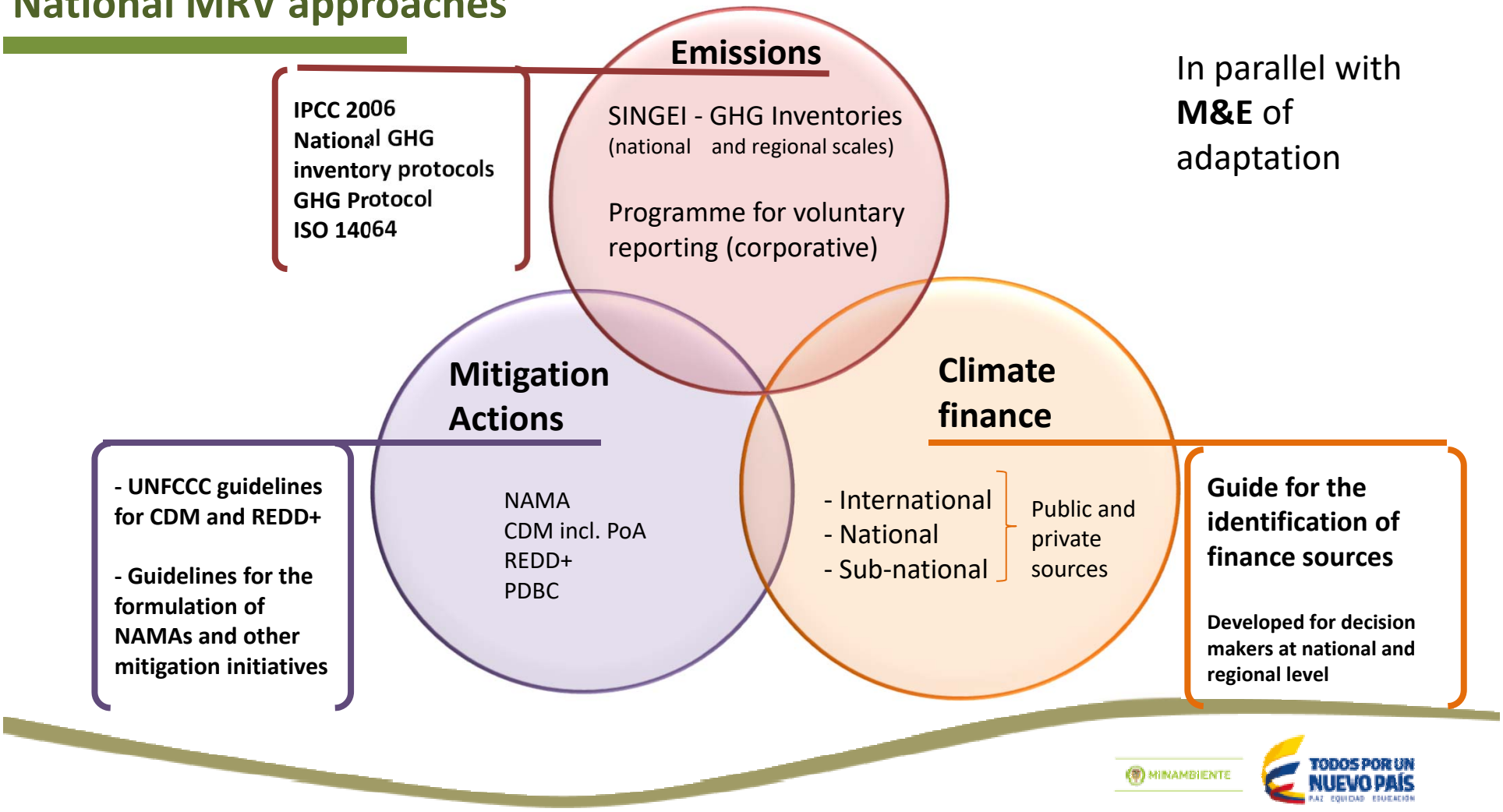
National MRV approaches



In parallel with **M&E** of adaptation

National MRV Approach

GHG Emissions

- Design of SINGEI
- Synergies with other national information systems
- Voluntary corporate reporting program
- 3 NCs – 2 BURs

Mitigation actions

- National Registry of mitigation actions
- Accounting rules
- Carbon tax law
- Guidelines for the formulation of NAMAs and other mitigation initiatives

Climate finance

- Climate investment from different sources
- Guide for the identification of finance sources

- Conceptualization. 2015-2016
- Protocols and guidelines. 2015-2016
- First technologic developments. 2016
- Registry for data collection and analysis platforms. 2016
- Articulation with Carbon tax (Decree 926 of 2017)

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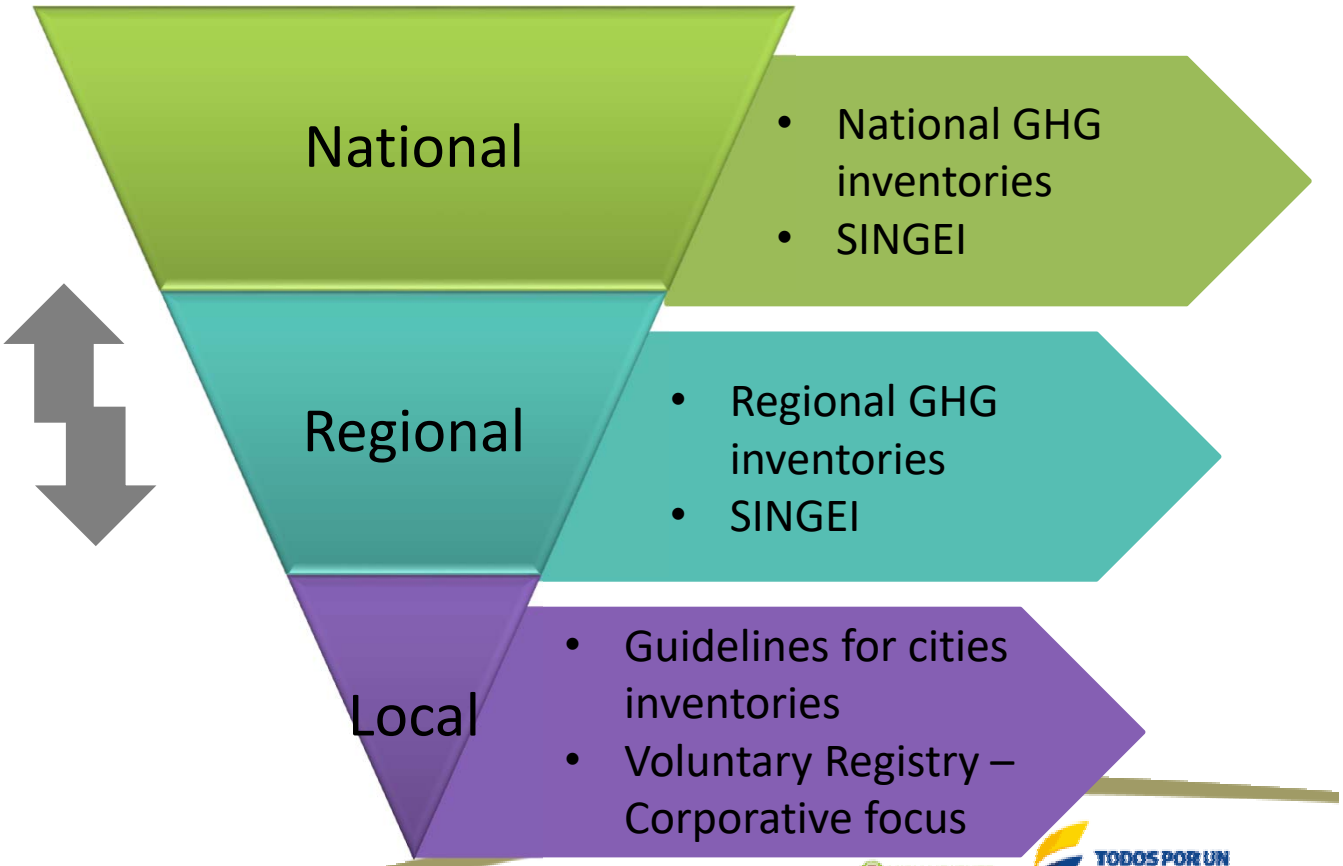
Scales of information

National Registry of Mitigation Actions - **RENARE**

Finance MRV Plataform



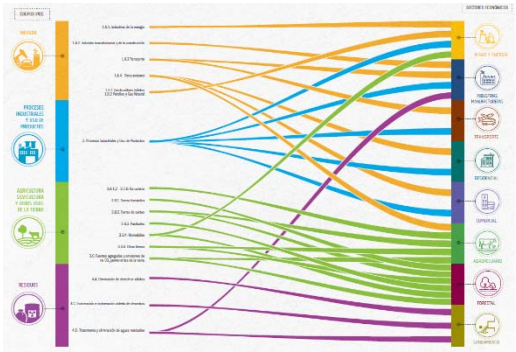
5 STEPS Methodology - NDC Accounting

- **STEP 1. To detail the NDC target**
- **STEP 2. To choose a calculation method for NDC tracking**
- **STEP 3.** To define data needs for the NDC tracking
- **STEP 4.** To define the institutional structure/arrangements
- **STEP 5.** Implementation and tracking

STEP 1. Detail the NDC target (1)

- Calls between GIZ experts and technical groups of Colombia
- Technical work
- Data mining
- Workshop with sectorial experts and GHG inventory team

STEP 1. Detail the NDC target (2)



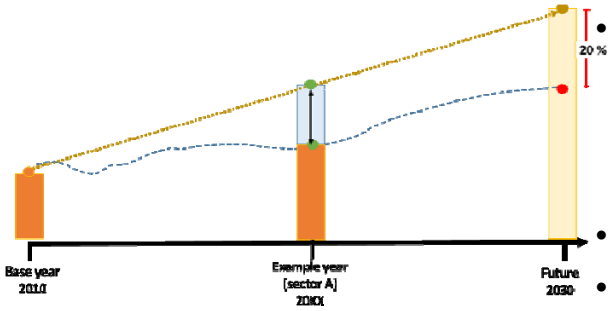
GHG national and sectorial emissions - baseline

- To understand national GHG inventory data (Clarify data sources, base year, categories, emission factors, activity factors, etc.)
- Methodological changes between GHG emission inventories (2010 – BUR and 2012- Third National Comunication)

Projections and assumptions

- Drivers (population growth, GDP and fuel prices)
- Methodology
- Key stakeholders

Policies and actions – mitigation escenario



- Identify the mitigation actions included in the baseline, assumptions for their quantification, categories, etc.
- Sectorial data sources
- Inventariability

STEP 2. Choose a calculation method for tracking the NDC

Baseline deviation on the year (t)

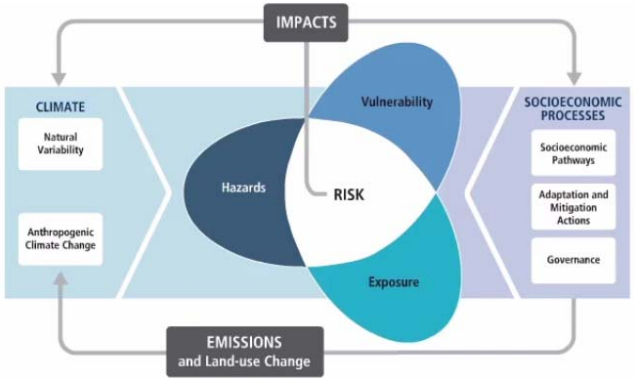
$$Progress\ (t) = \frac{BAU\ -\ GHG\ Inventory}{BAU}$$

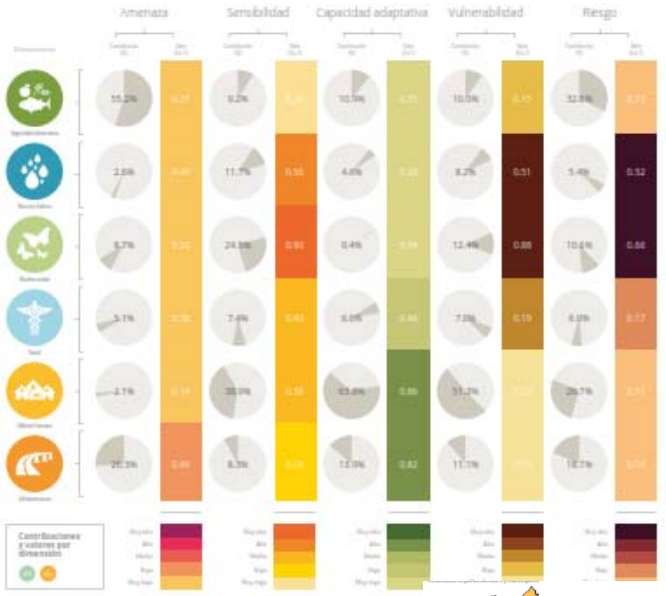
Baseline deviation o n the year (t) alternative methods using impacts of mitigation actions and policies

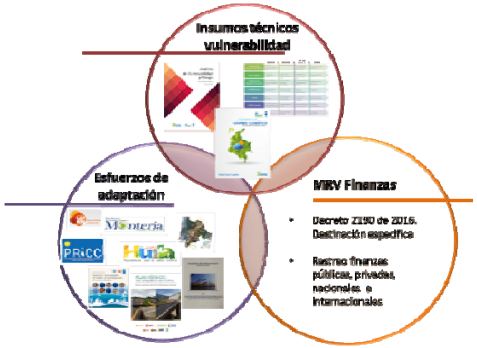
$$Progress\ (t) = \frac{Impacts_{mitigation\ act\&pol}}{BAU}$$

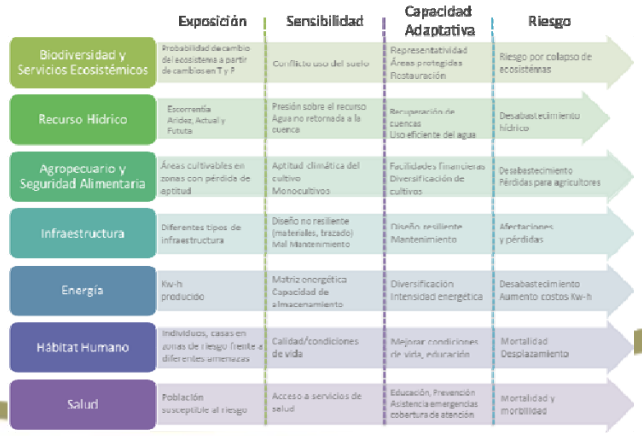
$$Progress\ (t) = \frac{Impacts_{mitigation\ act\&pol}}{GHG\ Inventory + Impacts_{mitigation\ act\&pol}}$$

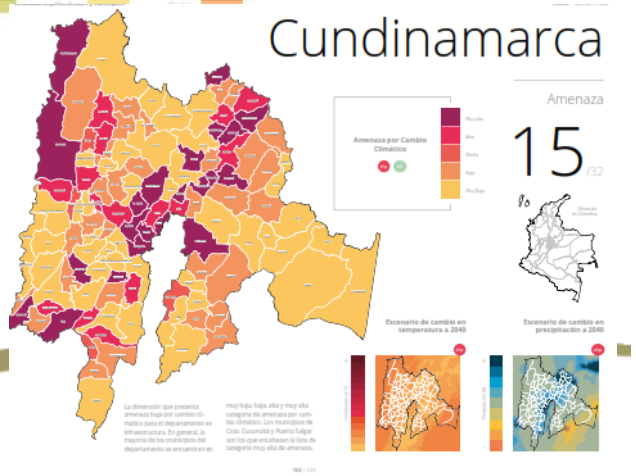
Adaptation approaches in parallel



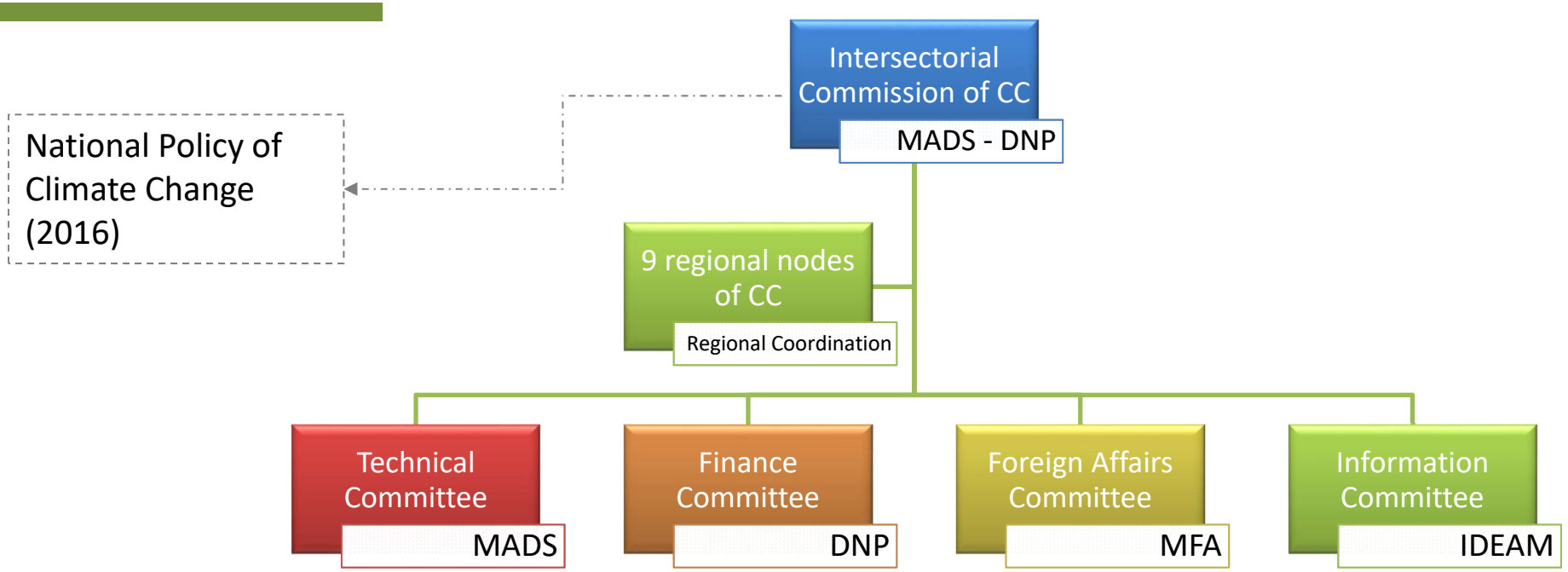








National Climate Change System - SISCLIMA



MADS: Ministry of Environment and Sustainable Development
DNP: National Planning Department
MFA: Ministry of Foreign Affairs
IDEAM: National Institute of Hydrology, Meteorology and Environmental Studies

NEXT STEPS

- To apply steps 2, 3, 4 and 5 of the methodology
- To involve key stakeholders at technical and high level (leadership)
- To keep looking for synergies with sub-national, sectorial and national systems
- To establish institutional arrangements
- To improve sectorial and regional data
- To ensure interoperability among systems

Thanks!

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