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Webinar: Forest data for climate action: the importance of legal and institutional frameworks

Experiences and lessons learned from Colombia for the institutionalization of forest data and enhancement of NFMS

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AGENDA

1. Background
2. Regulation
3. Advances and challenges
4. Final thoughts





BACKGROUND



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National Environmental System ([link](#))



Colombian Environmental Information System (web platform and geovisor - [link](#))

IDEAM - Hydrology, Meteorology and Environmental Studies Institute in Colombia.

Between other functions, IDEAM is the official national institute in charge of **National Forests Monitoring System (NFMS)** and the reports related with Greenhouse's gases inventory, Deforestation, REDD + Technical Annex, Biennial Update Report (BUR), and forests reports for FAO.



National Forests Monitoring System - NFMS



Tree instruments:

- NFIS
- NFI
- FCMS - SMBYC

[Link](#)





NATIONAL FORESTS MONITORING SYSTEM - NFMS

SNIF

National Forest Information System ([link](#))

Characterization of the state, dynamics and pressure on forest ecosystems; Characterization of the offer and demand for forest products timber and non-timber planning; Policy, regulations, methodologies and associated procedures with forest management



SMByC

Forest and Carbon Monitoring System ([link](#))

Generated information: Forest area and changes over time; Carbon stocks stored in natural forests; Drivers of deforestation and degradation; GHG emissions and removals

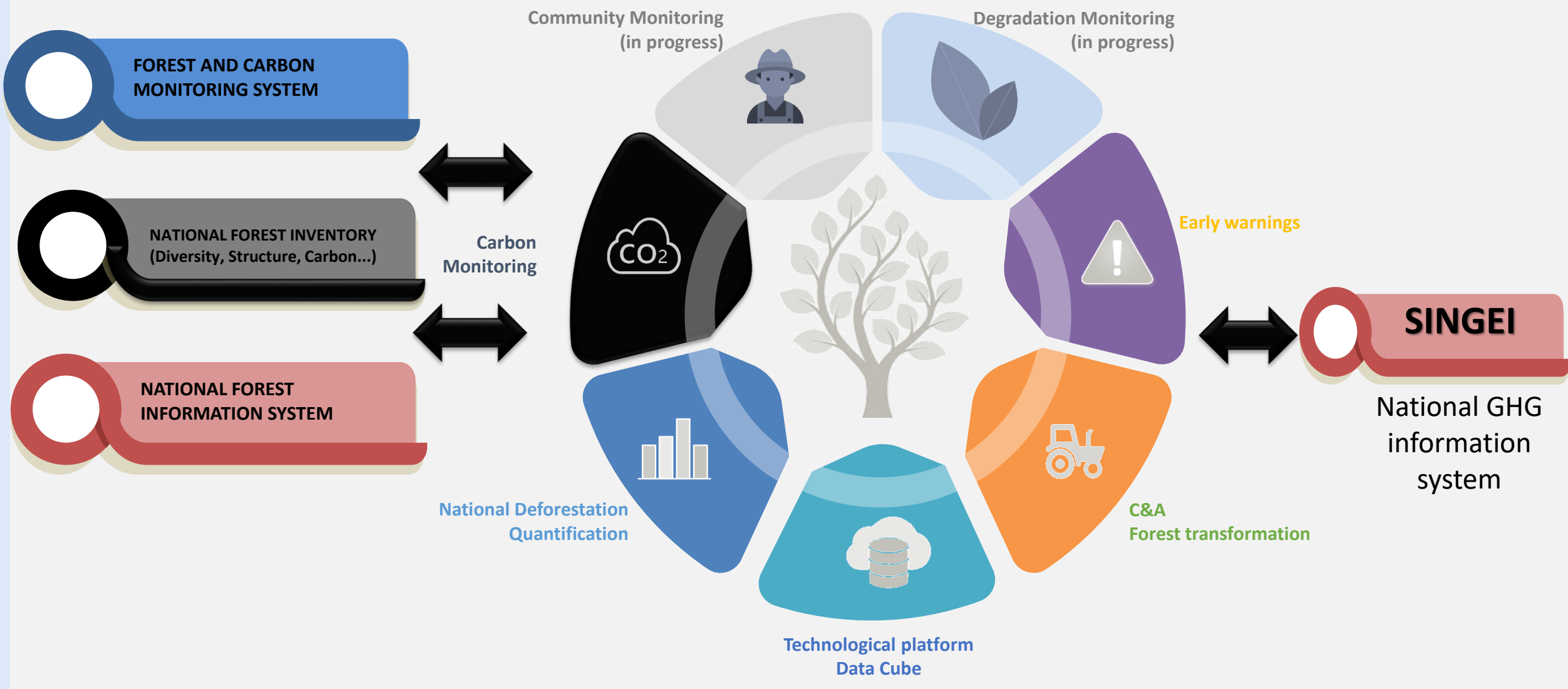
IFN

National Forest Inventory ([link](#))

Processes, methodologies, protocols and tools to generate field information. Analysis and dissemination of results: status current and composition of the country's forests and its changes over time.

**IFN is in the implementation of the first cycle of measurements*

NATIONAL REGISTRY OF EMISSIONS REDUCTION- RENARE ([link](#))

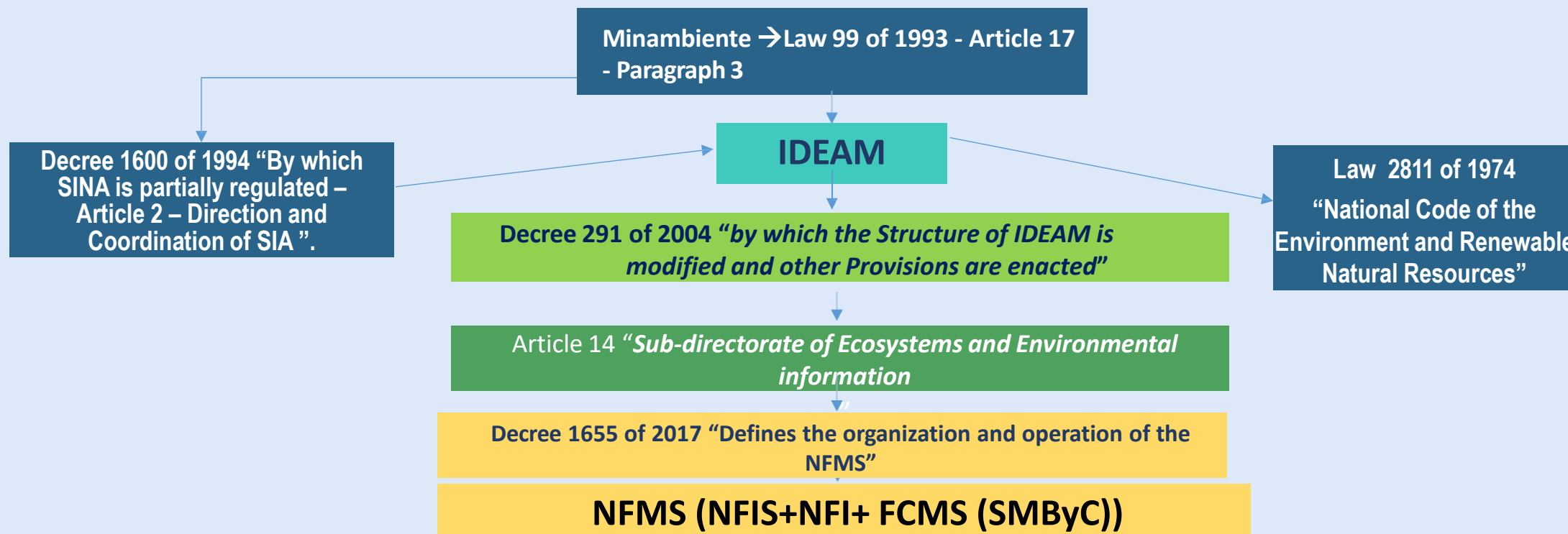


Structure of the National Forest Monitoring System





REGULATION OF NFMS



Establishes the organization and operation of the National Forest Information System (NFIS), the National Forest Inventory (NFI) and the Forest and Carbon Monitoring System (SMBByC, Spanish acronym) that will be part of the Environmental Information System for Colombia (SIAC, Spanish acronym) and its articulation with the National Registry of Greenhouse Gas Emission (GHG) and the National Registry of Programs and Projects of Actions for the Reduction of Emissions from Deforestation and Forest Degradation of Colombia REDD+.





REGULATION OF NFMS – Decreto 1655 de 2017

DECRETA:

Artículo 1.- Adiciónese al Libro 2, parte 2, Título 8, Capítulo 9 del Decreto 1076 de 2015, cinco nuevas secciones, así:

SECCIÓN 3.

DEL SISTEMA NACIONAL DE INFORMACIÓN FORESTAL, EL INVENTARIO FORESTAL NACIONAL Y EL SISTEMA DE MONITOREO DE BOSQUES Y CARBONO - ELEMENTOS TRANSVERSALES

Artículo 2.2.8.9.3.1.-Objeto. La presente sección tiene por objeto establecer la organización y el funcionamiento del Sistema Nacional de Información Forestal (SNIF), el Inventario Forestal Nacional (IFN) y el Sistema de Monitoreo de Bosques y Carbono (SMBYC), que harán parte del Sistema de Información Ambiental para Colombia (SIAC), los cuales son instrumentos para la generación de información oficial que permita tomar decisiones, formular políticas y normas para la planificación y gestión sostenible de los bosques naturales en el territorio colombiano.

Parágrafo: El SNIF, el IFN y el SMBYC se articularán con el Registro Nacional de Reducción de las Emisiones de Gases de Efecto Invernadero (GEI) y el Registro Nacional de Programas y Proyectos de acciones para la Reducción de las Emisiones debidas a la Deforestación y la Degradación Forestal de Colombia REDD+.

National Forests Monitoring System NFMS: NFIS+NFI+SMBYC

- **IDEAM:** Administering and coordinating entity
- The decree formalizes the NFIS, NFI and SMBYC instruments (implementation, communication.
- Public nature of the information.
- Officiality of the information.
- Methodological guidelines and guidelines for implementation.
- Technical and operational support documents.





REGULATION OF NFMS

TABLE 2 Checklist of key elements contained in the legal instrument establishing the Colombia NFMS

Topics	Inclusion in the legal instrument
Clear definitions and concepts	X
Inclusion of principles (transparency, interoperability, etc.)	X
Designation of responsible entities	X
Definition of functions among the different entities involved	X
Involvement of national, subnational entities and other key actors	X
Coordination mechanisms	X
Governance structure in place	
Integrated reporting processes and methodological aspects	X
Financial sustainability	
Alignment with national legislation	X

Why was it important to regulate the three components ?:

1. For maintaining a regulatory framework for monitoring and recording forest and GHG information,
2. Allocation of financial resources for its operation, and
3. Compliance with international agreements and national policy environmental and forestry.

The adoption of the decree took one year.



Advances and challenges

Documento

CONPES

4021

CONSEJO NACIONAL DE POLÍTICA ECONÓMICA Y SOCIAL
REPÚBLICA DE COLOMBIA
DEPARTAMENTO NACIONAL DE PLANEACIÓN

POLÍTICA NACIONAL PARA EL CONTROL DE LA DEFORESTACIÓN Y LA GESTIÓN SOSTENIBLE DE LOS BOSQUES

Departamento Nacional de Planeación
Ministerio del Interior
Ministerio de Defensa Nacional
Ministerio de Agricultura y Desarrollo Rural
Ministerio de Minas y Energía
Ministerio de Comercio Industria y Turismo
Ministerio de Educación Nacional
Ministerio de Ambiente y Desarrollo Sostenible
Ministerio de Vivienda, Ciudad y Territorio
Ministerio de Transporte
Ministerio de Ciencia, Tecnología e Innovación
Agencia Presidencial de Cooperación
Unidad de Información y Análisis Financiero
Departamento Administrativo Nacional de Estadística
Policía Nacional de Colombia
Agencia de Renovación del Turismo
Agencia Nacional de Promoción Comercial



GOBIERNO DE COLOMBIA



<https://colaboracion.dnp.gov.co/CDT/Conpes/Econ%C3%B3micos/4021.pdf>

https://redd.unfcc.int/files/eicdgb_bosques_territorios_de_vida_web.pdf


- National Forest Monitoring System was formalized and therefore, the nation's resources must be appropriated for its operation.
- A recent policy document (CONPES 4021 de 2020) highlights Decree 1655 of 2017 and its compliance; it also confirms the role of IDEAM as administrator of this system.
- Progress towards the consolidation of the NFMS instruments is also visible in the ENREDD +.
- Finishing NFI.






Challenges


1. Regulate the National Forest Service
2. Implement national ecosystem monitoring System
3. Implement the strategy and operating regulations between the SINA and the Regional Environmental Authorities




Indicators of Proportion of Natural Forest area, Change in Natural Forest area and Annual rate of deforestation. (<http://www.ideam.gov.co/web/ecosistemas/ecosistemas-recursos-forestales>).




Graphs, report tables and metadata of the results according to IDEAM's publication criteria.



Maps and reports on Ideam's SMByC page. The microdata is available for downloading at this site. (<http://smbyc.ideam.gov.co/>).



Contents and maps on the SIAC page (<http://181.225.72.78/Portal-SIAC-web/faces/Dashboard/Biodiversidad2/bosques/estadoCifrasBosques.xhtml?tematica=Cambio+of+surface&anum=2016&entity=IDEAM&institute=IDEAM>).



Contents and maps on the IDEAM website:
<http://www.ideam.gov.co/web/ecosistemas/deforestacion-colombia>



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GRACIAS/THANK YOU!

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