

CIRCULAR ECONOMY IN COLOMBIA

FEB / 2020



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de Colombia



Content

- 1. Beginnings of Circular economy in Colombia**
- 2. Circular Economy National Estrategy**
- 3. First National Circular economy report**
- 4. What are we missing?**
- 5. What do we need to achieve it?**

HOW BEGAN CIRCULAR ECONOMY IN COLOMBIA?



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Beginnings

International developments

- Cradle-to-cradle
- Blue economy
- Regenerative design
- Closed supply chains
- Natural capitalism
- Industrial ecology
- Performance economy



Related concepts¹:

- China
- Germany
- EU

Public initiatives:

Academic sector in Colombia

Top colombian universities

Circular economy courses,
seminars and workshops



¹Geisendorf, S., & Pietrulla, F. (2018). The circular economy and circular economic concepts—a literature analysis and redefinition. *Thunderbird International Business Review*, 60(5), 771-782.

Beginnings

Government policies

National Policy of Sustainable Production and Consumption

2010

CONPES 3868.
National Policy for Risk Management Associated with the Use of Chemical Substances

2016
Aug.

2016
Oct.

2016
Nov.

2016
Dec.

Structural tax reform.
Plastic bag tax
carbon tax

2017

Decree 284.
integral management of waste electrical and electronic equipment

2018
Feb.

2018
Mar.

2018
Jun.

2018
Jul.

Decree 1090.
Program for Efficient Water Use and Water Saving

CONPES 3866.
Productive Development Policy

CONPES 3874.
National Policy for the Integral Management of Solid Waste

Resolution 472.
Integral management of Construction and Demolition Waste

CONPES 3918.
Strategy for the implementation of the SDG

-Resolution 1407. Sustainable packaging
-CONPES 3934. Green Growth Policy

Beginnings

Aug. 2018: Change of government



**National Development Plan:
“Pact for Colombia, pact for equity”**



**Transversal pacts:
“Pact for sustainability”**



**National Circular Economy
Strategy ENEC**

(in its Spanish acronym)



**First national circular
economy report**

National circular economy strategy

Ministry of Environment

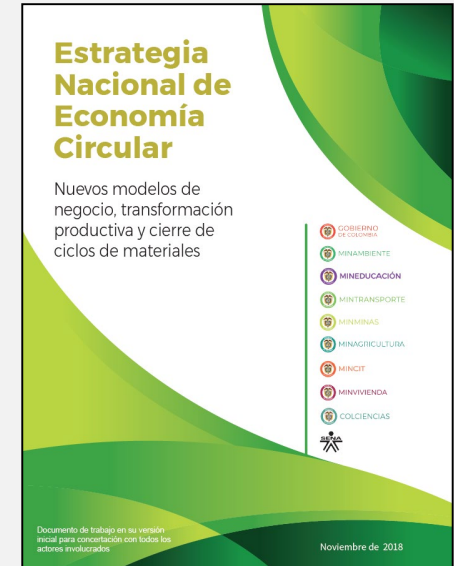
Objetivo

Transformation of production chains

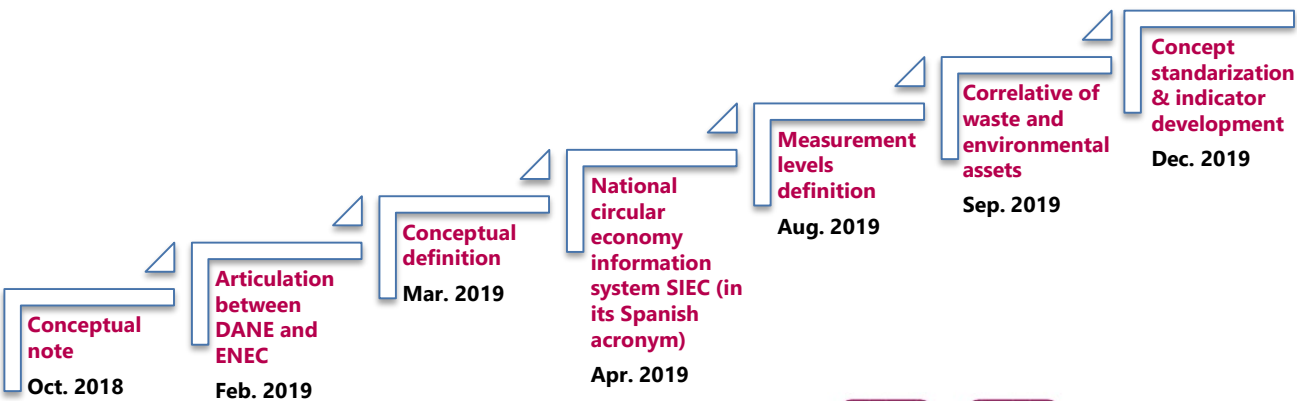
- Efficient management of materials, water and energy
- New business models
- Innovative technology
- Change in the lifestyle

Prioritized lines

1. Flow of industrial materials and mass consumption products
2. Sustainable packaging materials
3. Biomass flows
4. Sources and energy flows
5. Water flow
6. Building materials



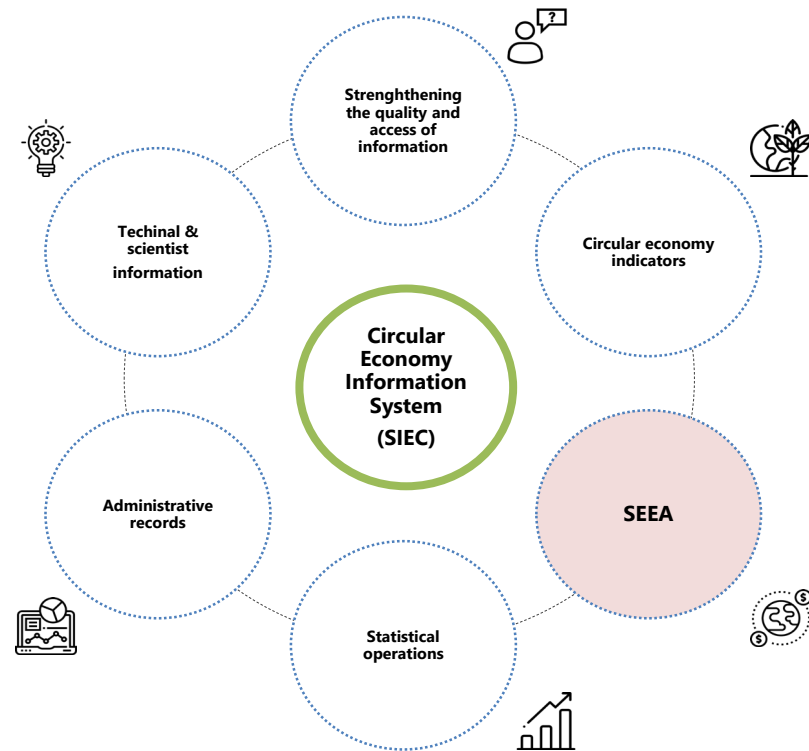
First national circular economy report DANE



National circular economy information system (SIEC)

General objective

Integrate **scientific-technical information, statistics and administrative records**, which meet the quality requirements, used as input for decision-making and evaluation of the public policy associated with the circular economy

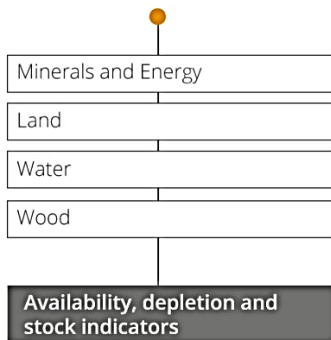


First national circular economy report

SEEA | SYSTEM OF ENVIRONMENTAL ECONOMIC ACCOUNTING (Colombia)

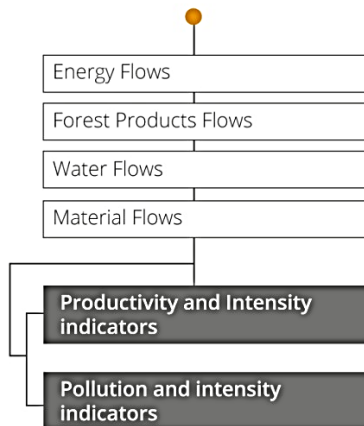
STOCK ACCOUNTS

Physical terms
Monetary terms

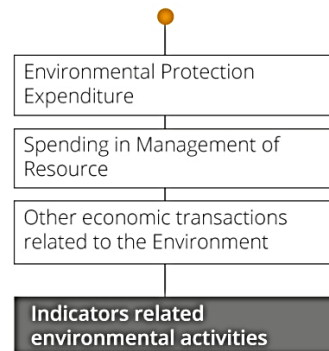


FLOWS ACCOUNTS

Physical terms
Monetary terms



ENVIRONMENTAL ACTIVITIES AND RELATED TRANSACTIONS ACCOUNT

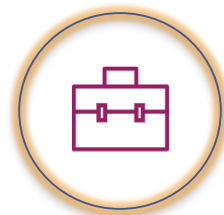


First national circular economy report

Indicators



Availability of coal:
72 years (2018)



Green jobs:
79.187 (2018)



Wood consumption per inhabitant:
123 Ton / 1.000 inhabitants (2017)



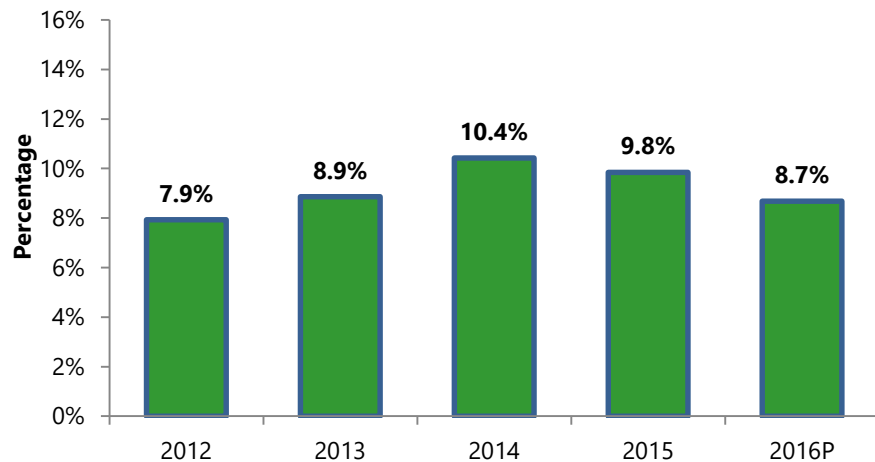
Use of distributed water for
economic activities:
712 hm³(2017)



Solid waste generated per capita:
450 Kg (2016)

First national circular economy report

Recycling and reuse rate



Source: National Accounts, DANE
P: Provisional



WHAT ARE WE MISSING?



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WHAT ARE WE MISSING?

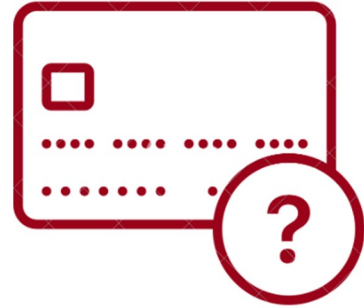
1. **Circular economy**

- Consumption systems
- Social systems

2. **SEEA**

- Increase number of indicators
- Reduce the lag of publications
- Increase SEEA implementation

3. **Bioeconomy**



WHAT DO WE NEED TO ACHIEVE IT?



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WHAT DO WE NEED TO ACHIEVE IT?

1. International cooperation

- Evaluation processes, which allow strengthening the statistical system
- Participate in discussions on circular economy

2. Technical assistance

- Permanent training from the conceptual and measurement approach
- Colombia is an opportunity to carry out pilot programs that can be implemented in other countries

3. Physical, human and financial resources

- More efforts are required to continue with its implementation and strengthening of basic statistics



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