

ENVIRONMENTAL ECONOMIC ACCOUNTS IN COLOMBIA

ENVIRONMENTAL SATELLITE ACCOUNT

San José, Costa Rica

October, 2017

www.dane.gov.co



Environmental & Economic Accounts

Technical component

National
Administrative
Department of
Statistics - DANE

Collects environmental statistical information and responds for the construction of environmental and economic accounts

Institute of
Hydrology,
Meteorology and
Environmental
Studies - IDEAM

Collects information with environmental characteristics

Strategic component

National Planning
Department - DNP

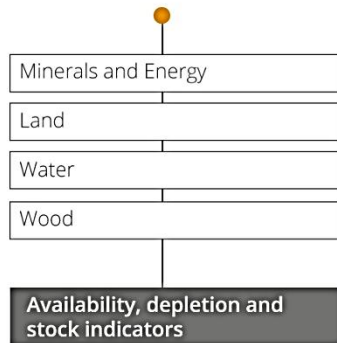
Use the accounts for models of sustainable development scenarios; as well as the formulation and monitoring of environmental public policy through the Green Growth Mission

Ministry of
Environment and
Sustainable
Development - MADS

SEEA | SYSTEM OF ENVIRONMENTAL ECONOMIC ACCOUNTING (Colombia)

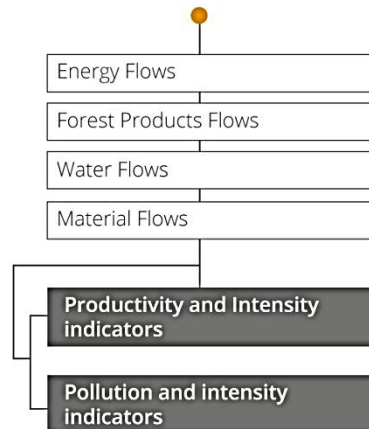
STOCK ACCOUNTS

Physical terms
Monetary terms

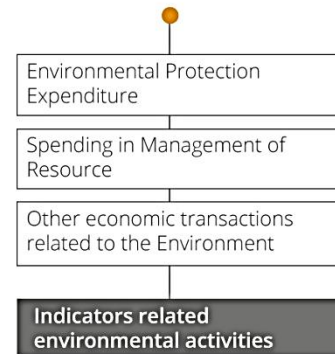


FLOWS ACCOUNTS

Physical terms
Monetary terms



ENVIRONMENTAL ACTIVITIES AND RELATED TRANSACTIONS ACCOUNT



Source: DANE.

Building process (1)

Design

Design of the
conceptual
framework and
construction of
methodological
proposal

Exploration of the international experience in the construction of the Solid Waste Account.

Inter-institutional standardization of concepts related to solid waste management.

Correlative of products according to European Waste Classification CER STAT Rev 4; Tariff Items, CPC 2.0 AC, CPC 1.0 AC, National Accounts Product Nomenclature (Base 2005)

Building process (2)

Analysis

Collection and analysis of available statistical information

FOR THE TOTAL ECONOMY: information on the generation and disposal of Solid Waste (ordinary and hazardous) from the records of companies providing collection service.

TRADE BALANCE: information on the declaration of imports and exports of waste and residual products reported by DIAN.

FOR THE MANUFACTURING INDUSTRY: information on generation and management of Solid Waste from the Industrial Environmental Survey and the Annual Manufacturing Survey.

Building process (3)

**Statistical
Production**

Estimates and
validation of
results

9.000 establishments

$$\text{Factor} = \frac{\text{Solid waste generated (EIS; EAI)}}{\text{Production (IAS; EAM)}}$$

All establishments in economy

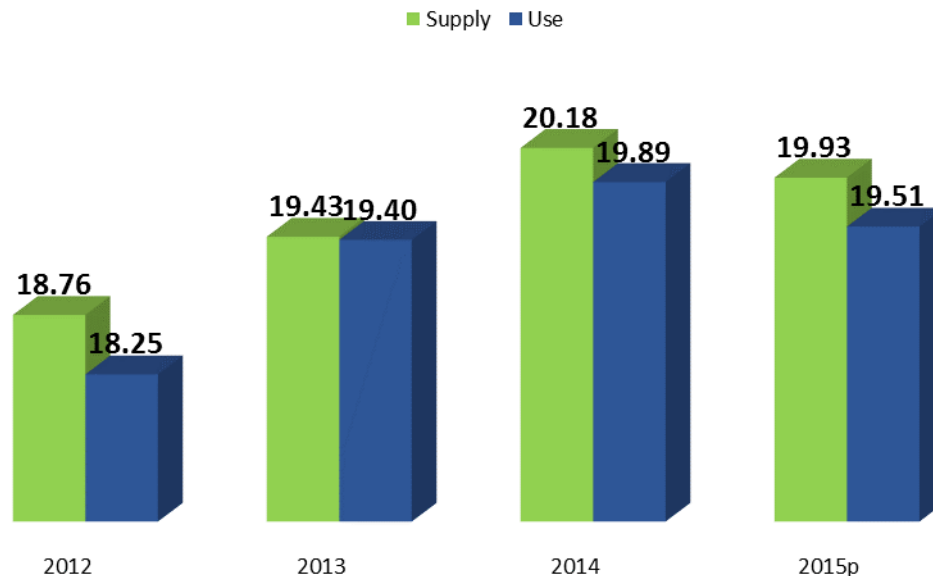
$$\text{Solid waste generated economy} \\ = \text{Factor} * \text{Production (NAS; SCN)}$$

Building process (4)

Diffusion

Meetings of socialization of results and publication on DANE's website

Results of the balance supply-use of solid waste (in millions of tons)



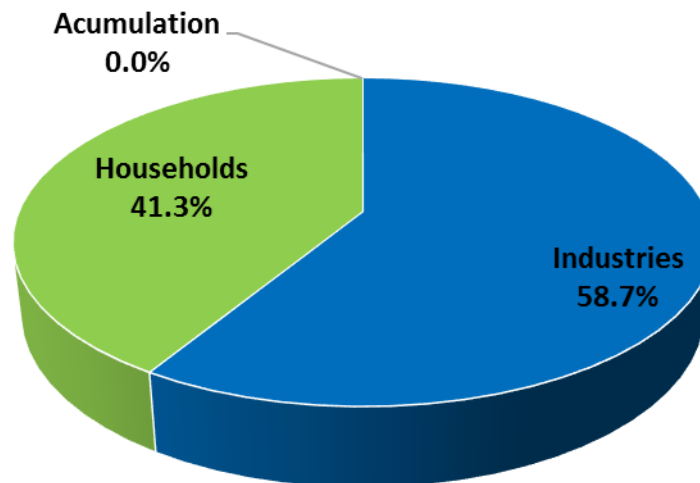
Source: DANE, IDEAM, SSPD, DIAN, Asocaña.
P: partial results

Building process (4)

Diffusion

Meetings of socialization of results and publication on DANE's website

Composition of the supply of solid waste by sector 2015p



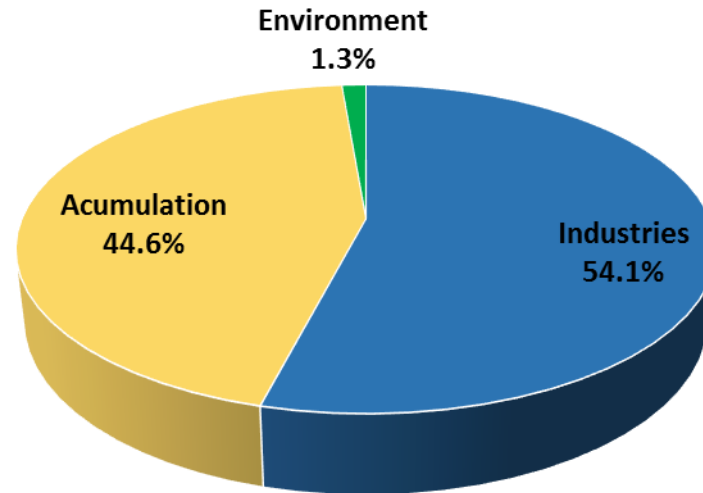
Source: DANE, IDEAM, SSPD, DIAN, Asocaña.
P: partial results

Building process (4)

Diffusion

Meetings of socialization of results and publication on DANE's website

Composition of the use of solid waste by sector 2015p

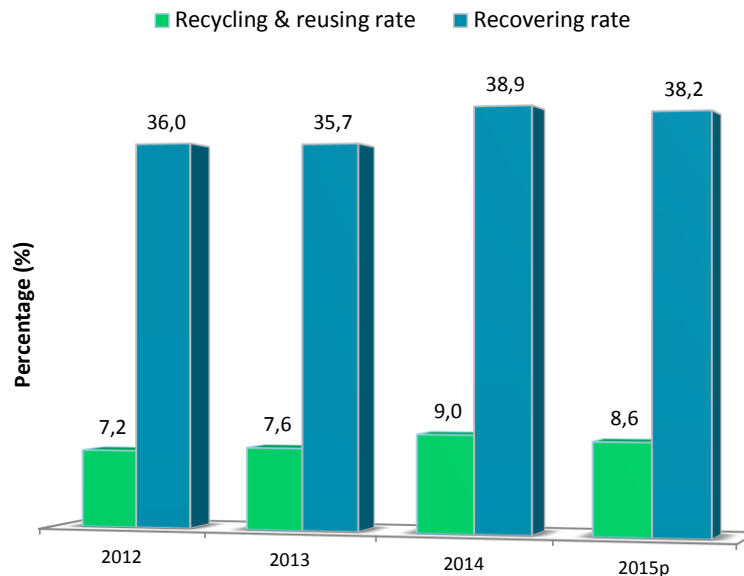


Source: DANE, IDEAM, SSPD, DIAN, Asocaña.
P: partial results

Building process (4)

Diffusion

Meetings of socialization of results and publication on DANE's website



Note: The recovering rate is equivalent to the sum of the solid waste treated in recycling, reuse and other uses (e.g. energy cogeneration and/or composting), on the total generation of waste and waste products.



1,7 Millions Ton.
recycled material
(2015p)



7,6 Millions Ton.
recovered material
(2015p)

Source: DANE, IDEAM, SSPD, DIAN, Asocaña.
P: partial results

Future works

- One of the main challenges is the consolidation of the Environmental and Economic Accounts in Colombia and the commitments that the other institutions come to an agreement in these works.
- All entities related to the environmental sector are encouraged to contribute and develop the results of the Environmental Satellite Account.
- Continue with the use of administrative records with potential statistical use and colleague the entities to acquire the status of official statistics, allowing the high quality evaluation of their processes.
- Conducting the design of statistical operations (surveys, samples, censuses, etc.) to capture new variables that complement the consolidation of the Environmental and Economic Accounts.



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