



**El futuro
es de todos**

**Gobierno
de Colombia**

“Status of legal metrology” Colombia

Pedro Pérez Vargas

Chairperson of the SIM Legal Metrology Working Group

Leader of the Legal Metrology Group of the Superintendencia of Industry and Commerce in Colombia



Industria y Comercio
SUPERINTENDENCIA

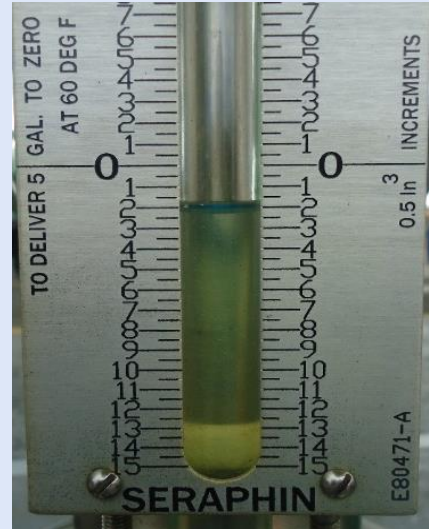
01. FIRST STAGE



The information collected from the metrological verifications was carried out on paper and was not digitalized.

The number of inspectors were not enough to perform verifications to all of Colombia.

METROLOGICAL CONTROL





MASS



VOLUME



FROZEN

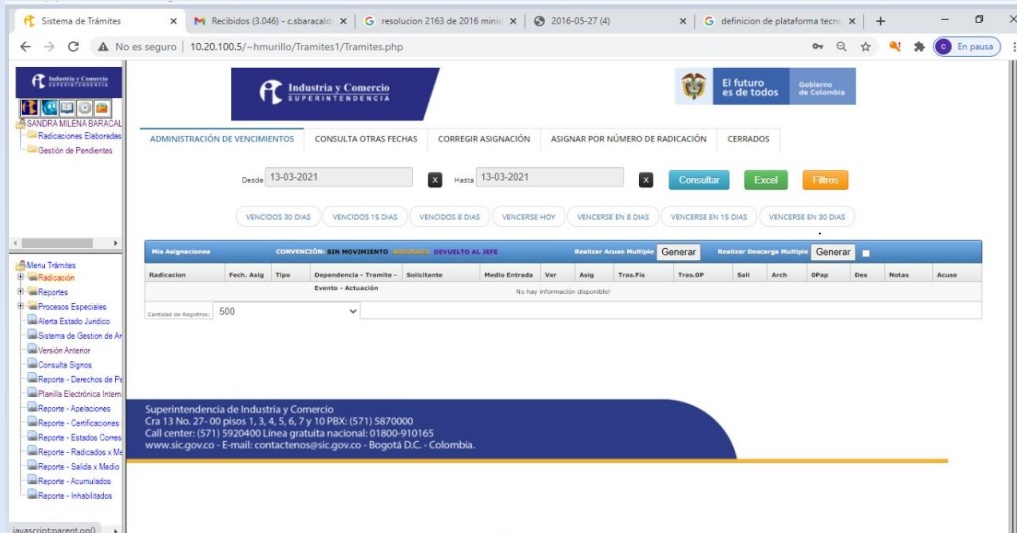


UNIT



LIQUID MEDIUM

02. SECOND STAGE



Administración de vencimientos, consulta otras fechas, corregir asignación, asignar por número de radicación, cerrados.


Desde: 13-03-2021 Hasta: 13-03-2021 [Consultar] [Excel] [Filtros]

VENCIDOS 30 DIAS VENCIDOS 15 DIAS VENCIDOS 8 DIAS VENCERSE HOY VENCERSE EN 8 DIAS VENCERSE EN 15 DIAS VENCERSE EN 30 DIAS

Radicación	Fecha Asig.	Tipo	Dependencia - Trámite	Solicitante	Medio Entrada	Ver	Asig.	Tras.Fin	Tras.OP	Sal	Arch	OPap	Des	Notas	Acuse
Evento - Actualización No hay información disponible!															

Superintendencia de Industria y Comercio
Cra 13 No. 27-00 pisos 1, 3, 4, 5, 6, 7 y 10 PBX: (571) 5870000
Call center: (571) 5920400 Línea gratuita nacional: 01 800-910165
www.sic.gov.co - E-mail: contactenos@sic.gov.co - Bogotá D.C. - Colombia.


The Superintendency of Industry and Commerce must create a system of procedures that allows digitizing part of the information from the metrological verifications that were carried out.


	GRUPO DE TRABAJO DE INSPECCIÓN Y VIGILANCIA DE METROLOGÍA LEGAL	6102
Industria y Comercio	ACTA - PROBABILIDAD DE RESULTADOS DE CONTROL METROLÓGICO APLICABLE A INSTRUMENTOS DE PUNTO DE FUNCIONAMIENTO NO AUTOMÁTICO "BALANZAS"	
1. INFORMACIÓN GENERAL:		
Numero de Radicación:	20.63081	
Departamento:	Cundinamarca	Municipio: Soacha
Fecha:	2020/04/03	Hora: 10h:23min
Establecimiento de Comercio:	Sulfimax Soacha	
Dirección:	Cra 5ta sur 92A - 24	Teléfono: 3712047274
NIT/CC:	890906089	Correo: judiciales@grupo-exito.com
Razón Social, Sociedad/Persona Natural:	Almacenes Exito SA	
Procedencia del Establecimiento:		
Dirección de Notificación Judicial:	Cra 48 # 52B Sur - 127	Ciudad: Envigado - Antioquia
Representante Legal:	Guadalupe Moreno Carlos Moreno	CC: 91990612
Nombre de quien atendió la visita:	Yesid Gomez Alonso	CC: 2989530
Cargos de quien atendió la visita:	Administrador	
2. IDENTIFICACIÓN DEL INSTRUMENTO DE PUNTO DE CONTROL:		
BALANZA 1		
FABRICANTE:	Magellan	DIGITAL: X
SERIE:	F19C02390	MODELO: 937406
CLASE DE EXACTITUD:	III	CARGA MÁXIMA: 15000 g
DIVISIÓN DE ESCALA DE:	5g	CANTIDA DE ESCALA: 100 g
UBICACIÓN DEL INSTRUMENTO:	Caja # 40	

The number of inspectors was still insufficient to carry out verifications to all of Colombia.

Sistema de Trámites x Recibidos (3.046) - c.sbaracald x resolucion 2163 de 2016 minis x 2016-05-27 (4) x definicion de plataforma tecn x + - En pausa

No es seguro | 10.20.100.5/~hmurillo/Tramites1/Tramites.php





El futuro es de todos
Gobierno de Colombia

ADMINISTRACIÓN DE VENCIMIENTOS
CONSULTA OTRAS FECHAS
CORREGIR ASIGNACIÓN
ASIGNAR POR NÚMERO DE RADICACIÓN
CERRADOS

Desde X Hasta X Consultar Excel Filtros

VENCIDOS 30 DIAS
VENCIDOS 15 DIAS
VENCIDOS 8 DIAS
VENCERSE HOY
VENCERSE EN 8 DIAS
VENCERSE EN 15 DIAS
VENCERSE EN 30 DIAS

Mis Asignaciones CONVENCIÓN: SIN MOVIMIENTO ~~ASIGNADO~~ DEVUELTO AL JEFE

Realizar Acuse Múltiple Generar Realizar Descarga Múltiple Generar

Radicación	Fech. Asig	Tipo	Dependencia - Tramite - Solicitante	Medio Entrada	Ver	Asig	Tras.Fis	Tras.OP	Sali	Arch	OPap	Des	Notas	Acuse
Evento - Actuación														
No hay información disponible!														
Cantidad de Registros:		500												

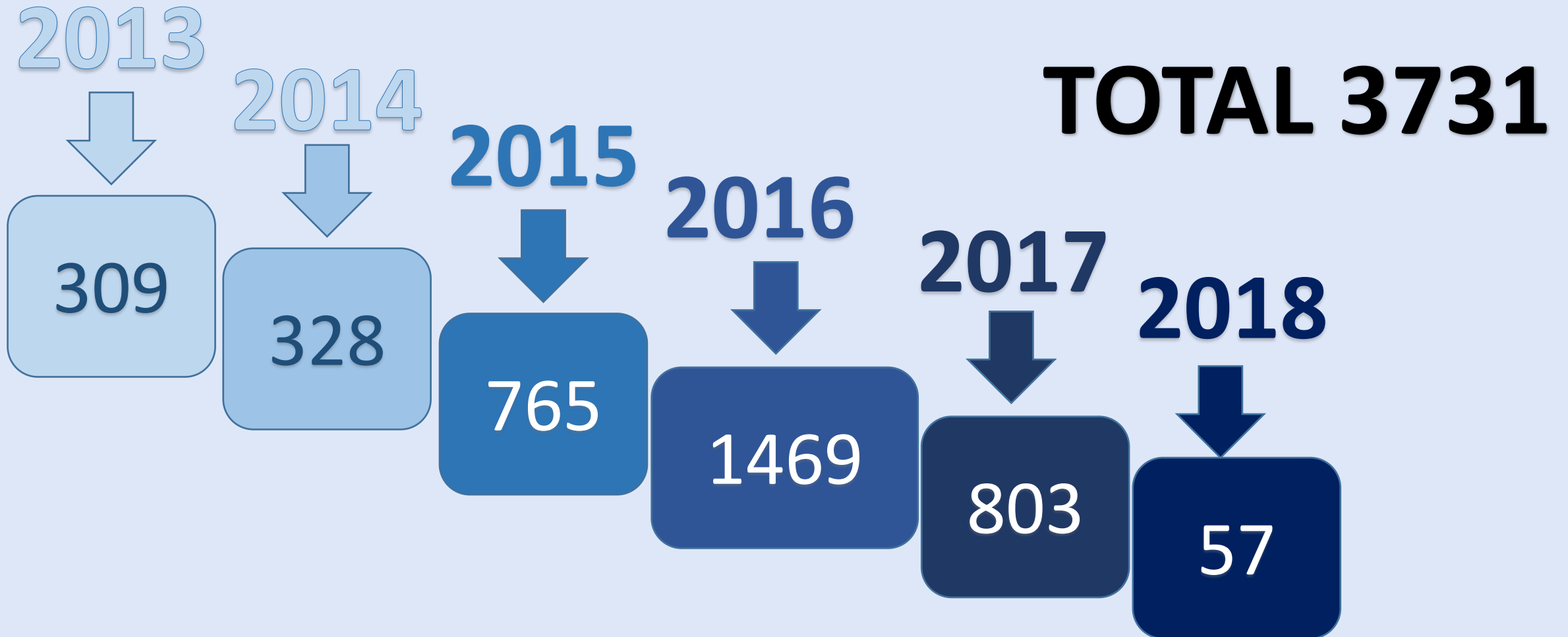
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Menu Trámites

- Radicación
- Reportes
- Procesos Especiales
 - Alerta Estado Jurídico
 - Sistema de Gestion de Ar
 - Versión Anterior
 - Consulta Signos
 - Reporte - Derechos de Pe
 - Planilla Electrónica Intern
 - Reporte - Apelaciones
 - Reporte - Certificaciones
 - Reporte - Estados Comes
 - Reporte - Radicados x Me
 - Reporte - Salida x Medio
 - Reporte - Acumulados
 - Reporte - Inhabilitados

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NUMBER OF INSPETIONS 2013 - 2018



...THIS IS STILL NOT ENOUGH



SUMMARY



- 1** Calibration certificate was required periodically in accordance with what was established by the manufacturer. This is still the case for instruments that do not have metrological technical regulation.
- 2** Any instrument could be traded on the market, regardless of its quality.
- 3** There was no computer tool that allowed the information collected in the metrological verifications to be stored.

03. THIRD STAGE

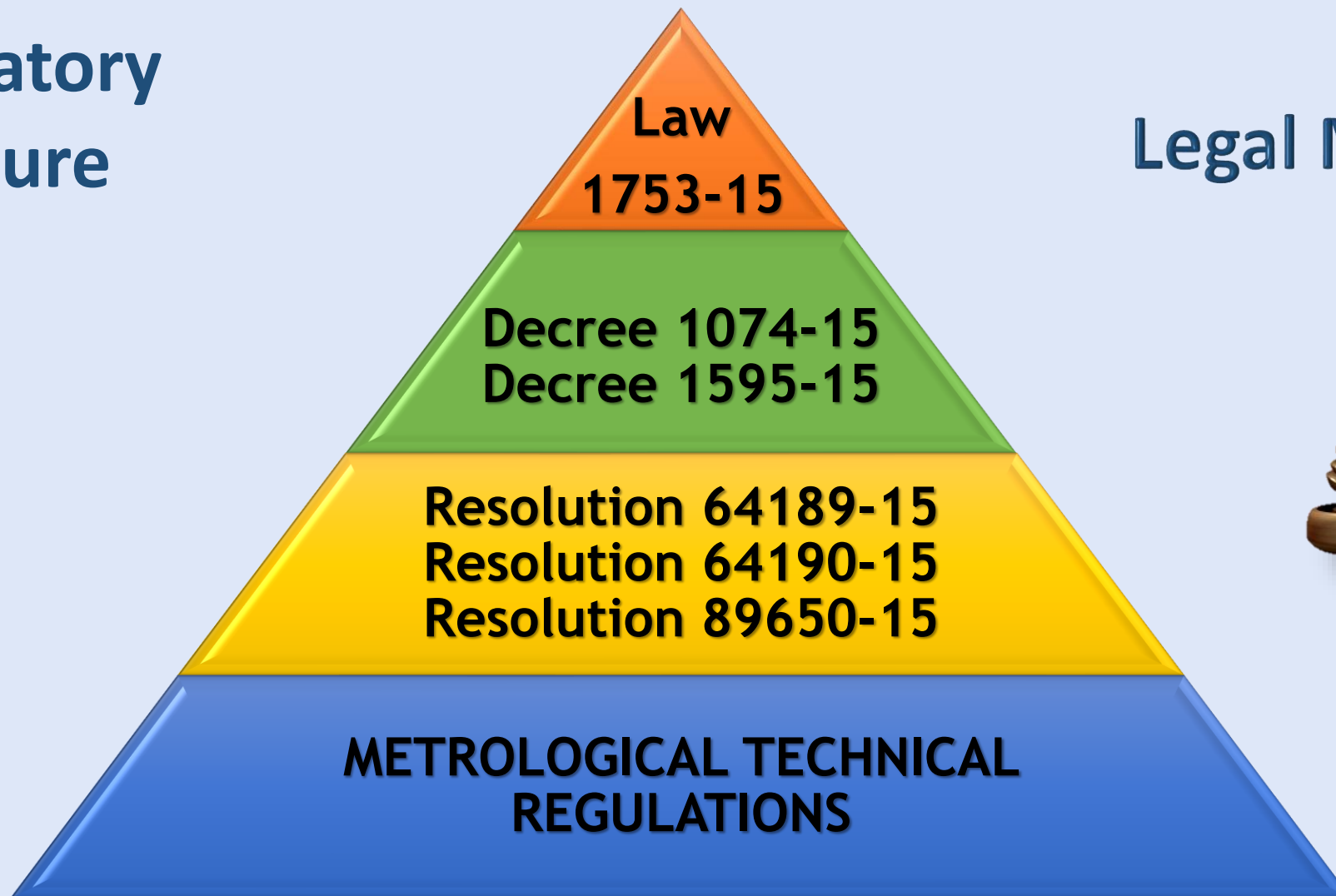
TECHNICAL REGULATION



Industria y Comercio

SUPERINTENDENCIA

Regulatory Structure



Legal Metrology



SIC faculty to do metrological control on measuring instruments

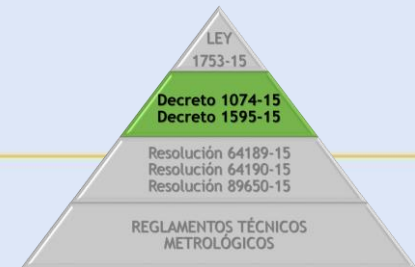


LAW 1753 of 2015 NATIONAL DEVELOPMENT PLAN- ARTICLE 16

Legal Metrology Information System (...). The Legal Metrology Information System (SIMEL) is created, administered by the Superintendency of Industry and Commerce, in which producers and importers, repairers and users or holders of measuring instruments subject to metrological control must be registered.

“(...) The Superintendency of Industry and Commerce will designate by administrative act the Authorized Metrological Verification Bodies (OAVM), the geographical areas in which they will act exclusively, the measurement instruments that they will verify. (...)”

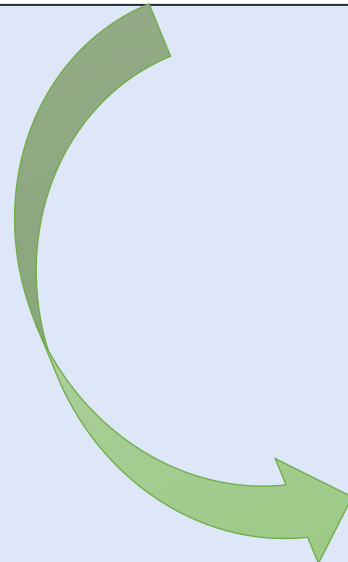
METROLOGICAL CONTROL AUTHORITIES



Designated to carry out
metrological checks



MUNICIPAL MAYOR



**AUTHORIZED METROLOGICAL VERIFICATION
BODIES - OAVM**

AUTHORIZED METROLOGICAL VERIFICATION BODIES



BÁSCULAS CAMIONERAS
Resoluciones 37514 y 59577 de 2016



BALANZAS Y SURTIDORES DE COMBUSTIBLE
Resoluciones 37514 y 44157 de 2016





RESOLUTION 64189 - 2015

Eligibility requirements and obligations of the Authorized Metrological Verification Bodies

RESOLUTION 64190 - 2015

Regulates the metrological control of measuring instruments



RESOLUTION 89650 - 2015

Conformity assessment phase

TECHNICAL REGULATION



RESOLUTION
77506/16
Mod. Res. 67759 de 2018

NAWI

RESOLUTION
77507/16
Mod. Res. 67760 de 2018

LIQUID FUEL
DISPENSERS

RESOLUTION
88918/17

TAXIMETERS

RESOLUTION
88919/17

EVIDENTIAL BREATH
ANALYZERS



RESOLUTION 32209 OF 2020*



RECOMENDACION
OIML R 87: 2016
*“Quantity of product in
prepackages”*

RECOMENDACION
OIML R 79: 2015
*“Labeling requirements for
prepackages”*

OAVM AND LEGAL METROLOGY WORKING GROUP SIC





Created by the Superintendency of Industry and Commerce

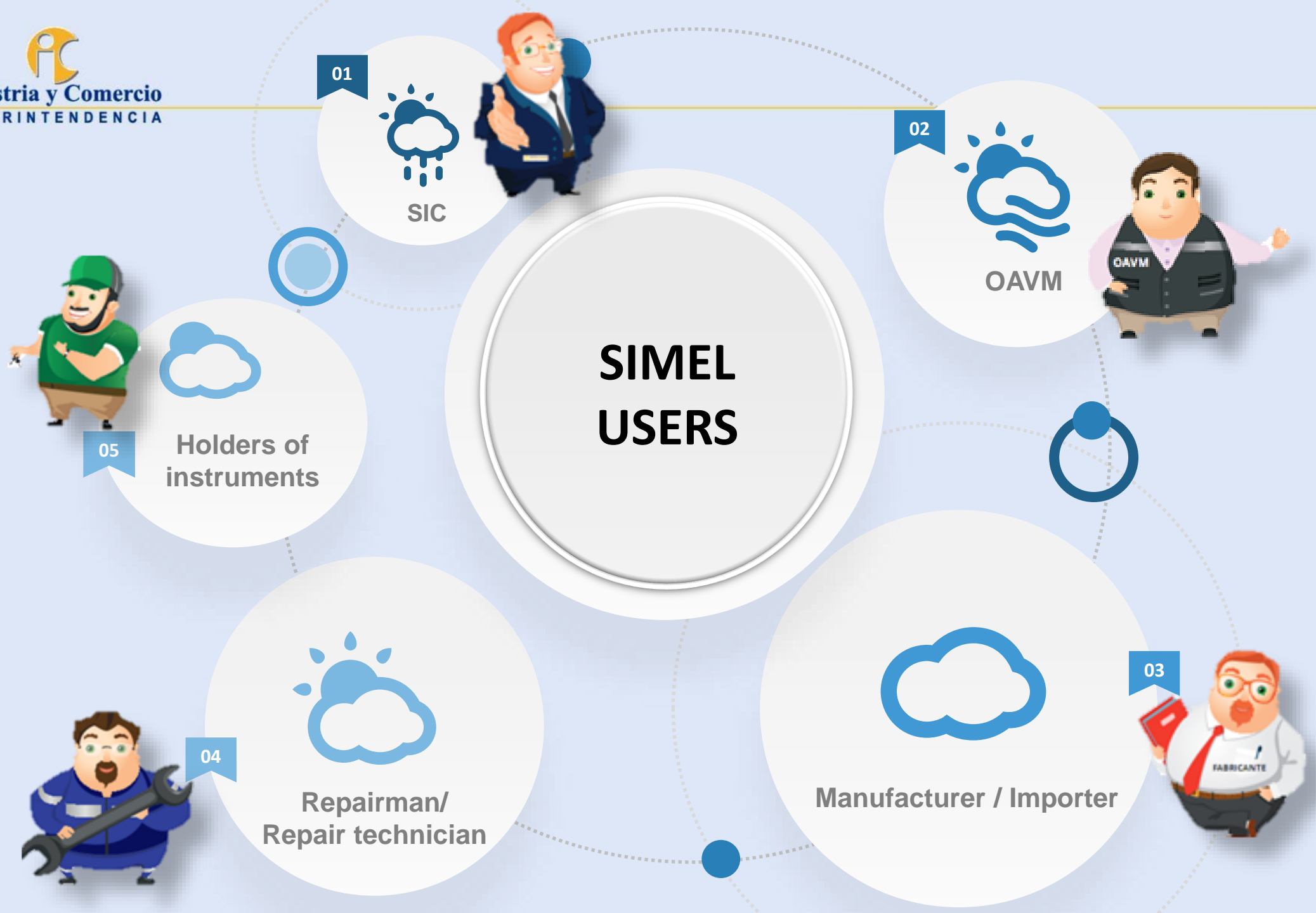
Integrates all the information on legal metrology of the country

Actions of those involved in metrological control:

- ❖ Producers or importers
- ❖ Measuring instrument holders
- ❖ Repairmen
- ❖ OAVM and the administration as guarantor of security

OBJECTIVES

- ✓ Ensure adequate metrological control in Colombia through the implementation of a computer tool administered by the SIC.
- ✓ Have reliable, timely and truthful information on the operations carried out by SIMEL users.

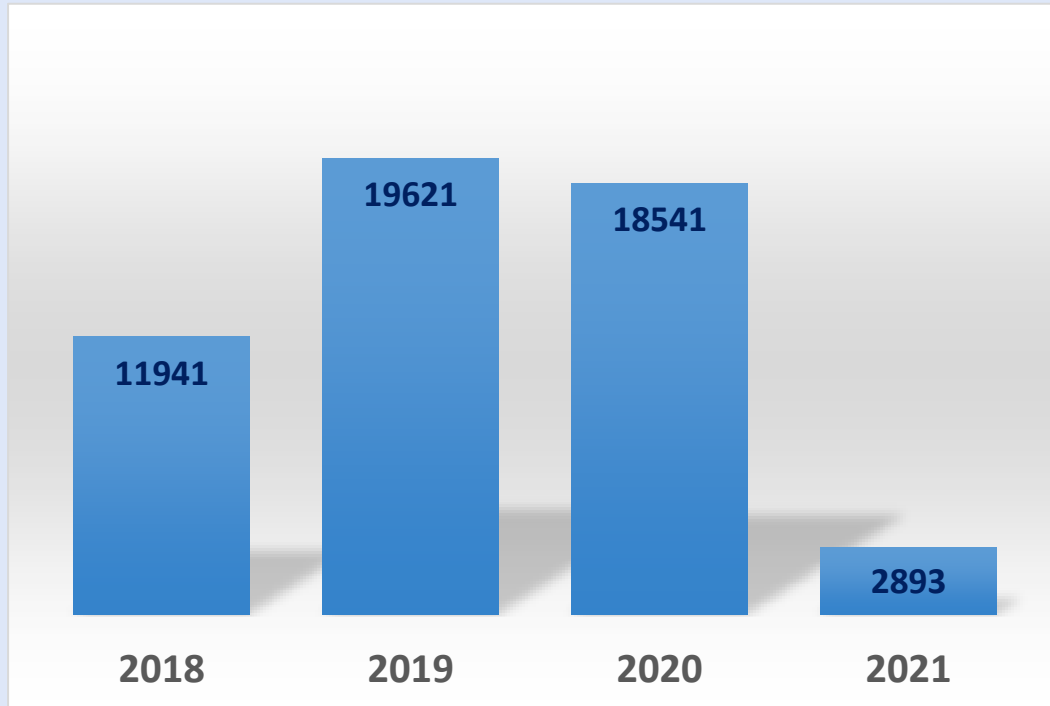


MEASURING INSTRUMENTS REGISTERED IN SIMEL

CENSUS	
INSTRUMENT	QUANTITY
NAWI	30.941
Truck scales	241
Fuul dispensers	12.855
Grand Total	44.037



VERIFICATIONS REGISTERED IN SIMEL



VERIFICATIONS 2018-2021 (FEBRUARY)	
TECHNICAL REGULATION	# VERIFICATION
NAWI	28.216
Truck Scales	764
Fuel dispensers	24.016
Grand Total	52.996

CONCLUSIONS

The measuring instruments are checked periodically and must conform to the maximum permissible errors.



The SIC has an accredited calibration laboratory for mass and volume magnitudes.

There is the Legal Metrology Information System –SIMEL.

New instruments must demonstrate conformity according to the corresponding metrological technical regulation.

04. FOURTH STAGE

PREPACKAGED PRODUCT INFORMATION SYSTEM

A **unified** information system on prepackaged products, where each country can upload the information on the metrological control it has carried out.

Centralize the rapid exchange of information between the control authorities of the countries, providing reliable, timely and truthful information on the verifications realized on prepackaged products.



System that allows data analysis such as: products that are most verified, country with the highest number of non-compliances, products with non-compliances.

System that allows control authorities to organize metrological verification operation and strategies.

NEW TECHNICAL REGULATION

GAS METERS



WATER METERS



ENERGY METERS



Imagen fuente: <https://www.cleanpng.com/png-the-book-thief-publishing-reading-bookselling-book-921074/>

Imagen fuente: <https://www.azosensors.com/article.aspx?ArticleID=250>

Imagen fuente: <https://www.euramet.org/research-innovation/search-research-projects/details/project/metrology-for-real-world-domestic-water-metering>

Imagen fuente: indiamart.com/proddetail/static-single-phase-two-wire-energy-meter-20377484397.html

WHO IS THE NEXT?



El progreso
es de todos

Mincomercio



Industria y Comercio
SUPERINTENDENCIA