



# The Brazilian National Waterway Transportation Agency

<https://www.gov.br/Antaq>

## The Agency's Port Statistics Dashboard

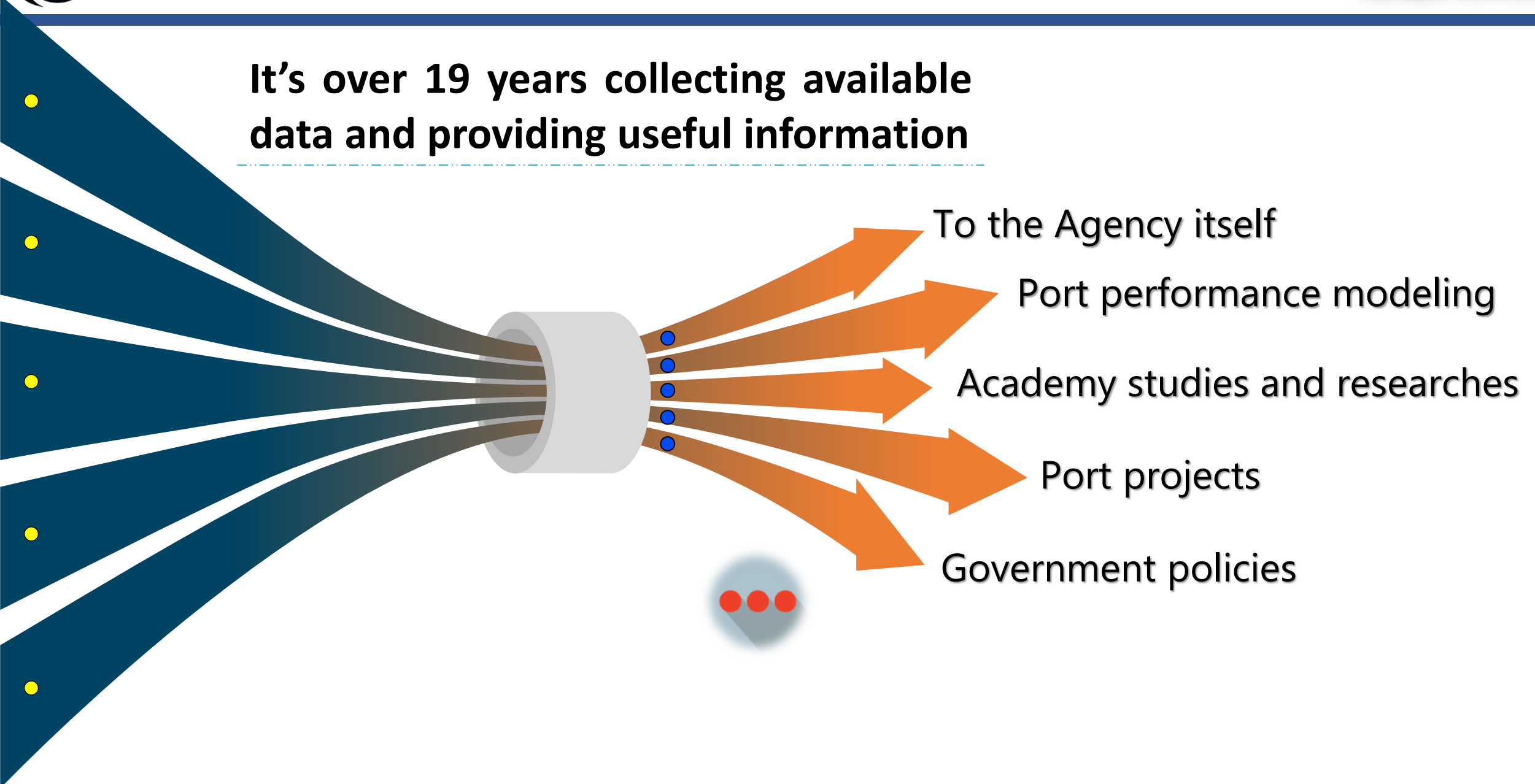
9<sup>th</sup> ITF Transport Statistics  
Meeting

3-4 April 2023, Paris, France





**It's over 19 years collecting available data and providing useful information**





# 1 The Agency and Port Grants

3/23







**6 Regional Managements**  
**7 Regional Units**  
**13 Outposts**

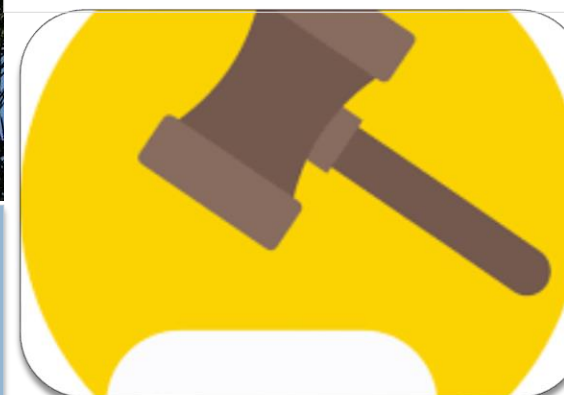


**Regulation**

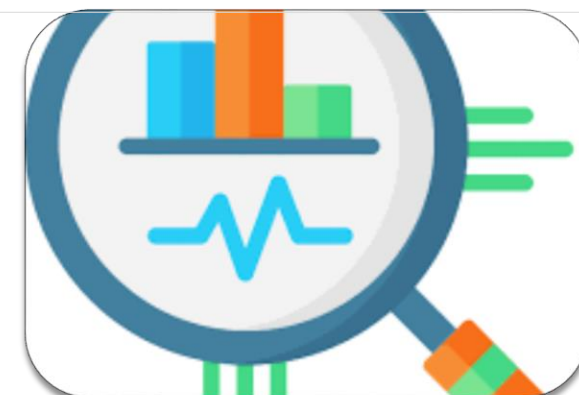


**Supervision**

**Collegiate Board of Directors and  
Superintendencies**



**Concessions**



**Statistics, Studies  
and environment**

## Types of grants

### Public Ports

#### Public

Federal, State or City  
delegation

#### Private

Bidding auction  
process

#### Leased Terminals

- 
- 

Granted by a bidden process  
Private contracts

### Private Use Terminals

- Investments in infrastructure and superstructure
- Outside of a public port area

169 Private Use Terminals  
146 Leased Terminals

29 public ports  
2 concessions

**1,209**  
**Billion tons**

CAGR\* 2010 to 2022 YoY

**3.1%**

\*Compound Annual Growth Rate – Year base of 2010

Decrease of

**0.4%**

Compared to 2021



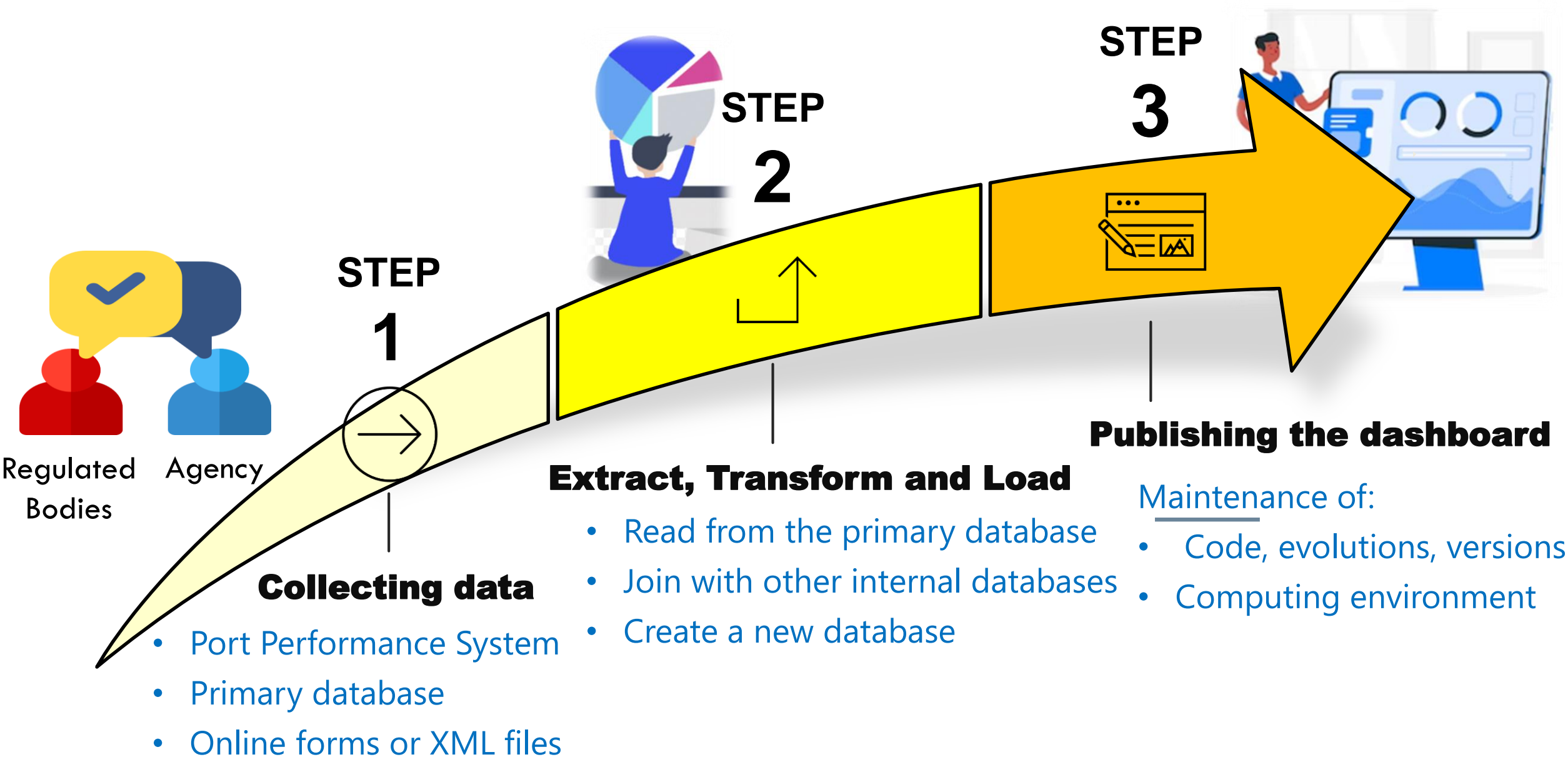
# 2 Concepts about the dashboard

7/23





# A three-step process: building a dashboard







# The Port Performance System timeline

9/23

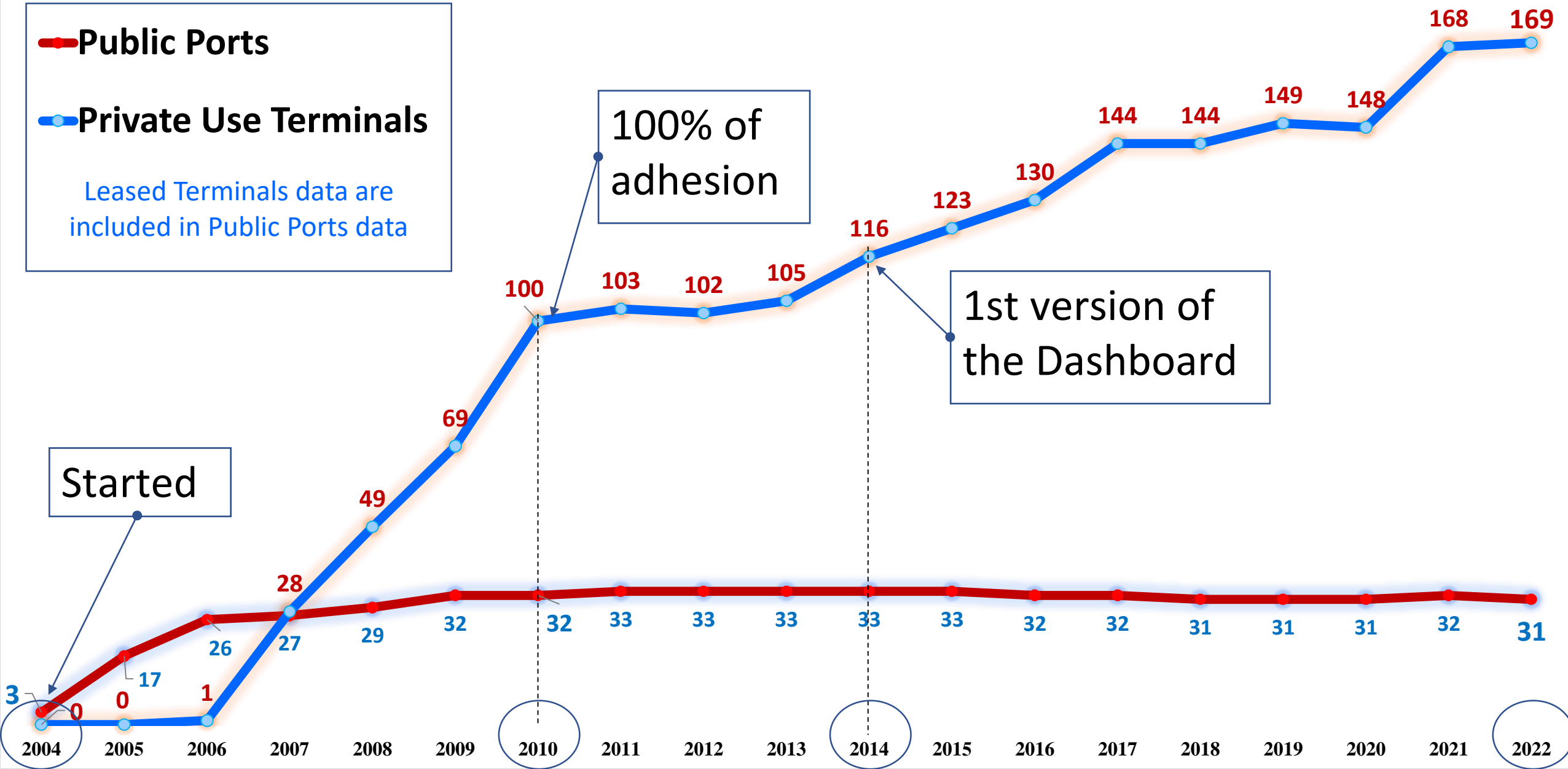


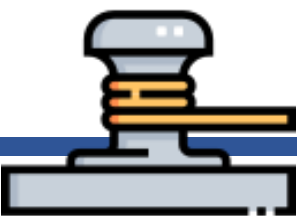
Number of Ports sending data

Public Ports

Private Use Terminals

















Leased Terminals data are included in Public Ports data





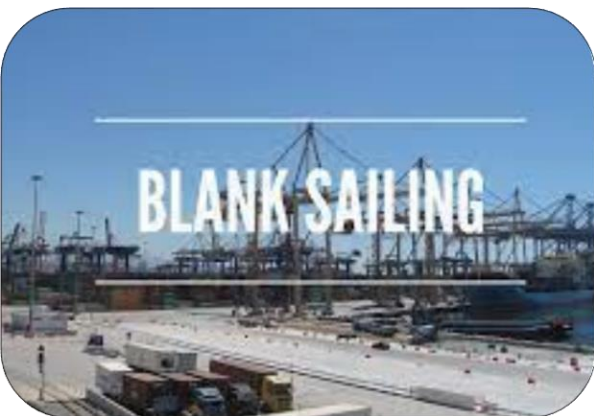
## DATA UNIT: Ship unberthing

Monthly sending frequency

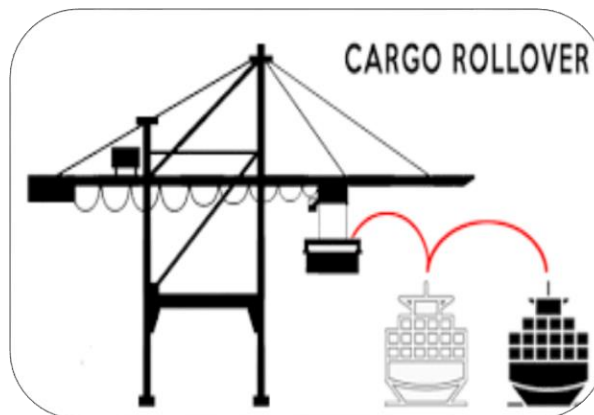
General			Cargo				Downtime		
									
Tariff	Operating Time	Passenger	Type of Navigation	Origin and Destination	Gross Weight	Containerized cargo	Downtime Code	Start	End
									
			Container ID Cargo ID Net Weight				how long a berth stayed out of operation		
			  						



# The ANTAQ 's Port Performance System – Additional data



Ship calls  
omissions



Cargo rollover



Concession  
indicators



Dangerous  
goods and  
waste collection



## Why ANTAQ has such a comprehensive and up-to-date database?

### “The 4 musts”



supported by laws  
and Regulatory Acts

1



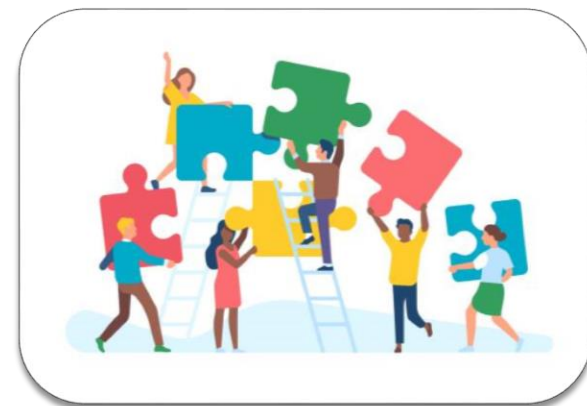
Annual meetings  
Problems and  
solutions

2



Agreed updates by  
everyone

3



The right team

4



# 3 The dashboard – Accessing and searching data

13/23



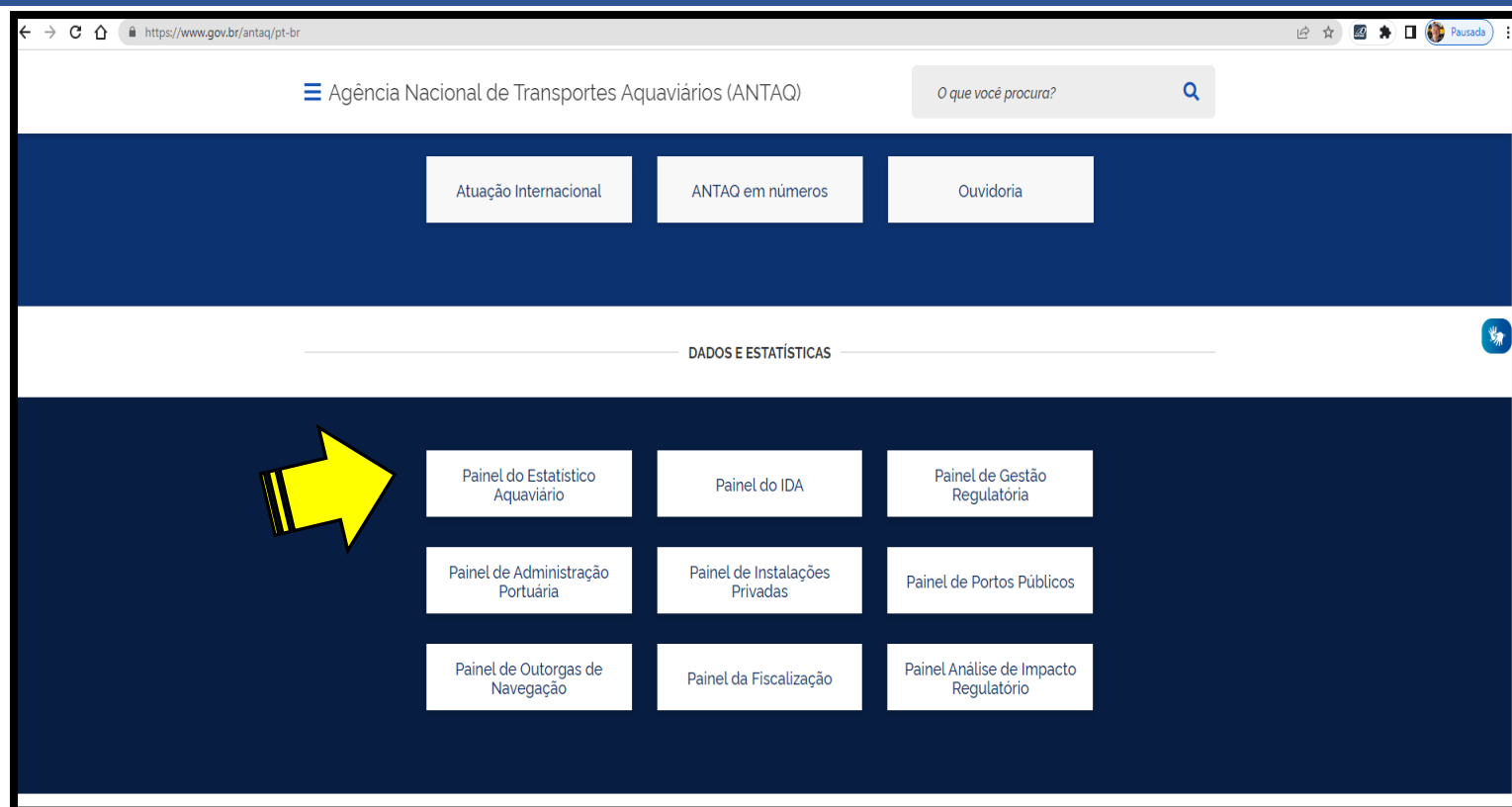


# Accessing the ANTAQ's Port Statistics Dashboard

Scan QR Code



Link <http://ea.antaq.gov.br>



<https://www.gov.br/antaq>

- Found at the Agency's homepage
- Typing its Internet Address in a browser





# Introducing Dimensions, metrics and filters

## Dimensions

**Categories of information  
you want to know about**

A diamond

## Metrics

**A quantitative  
measure**

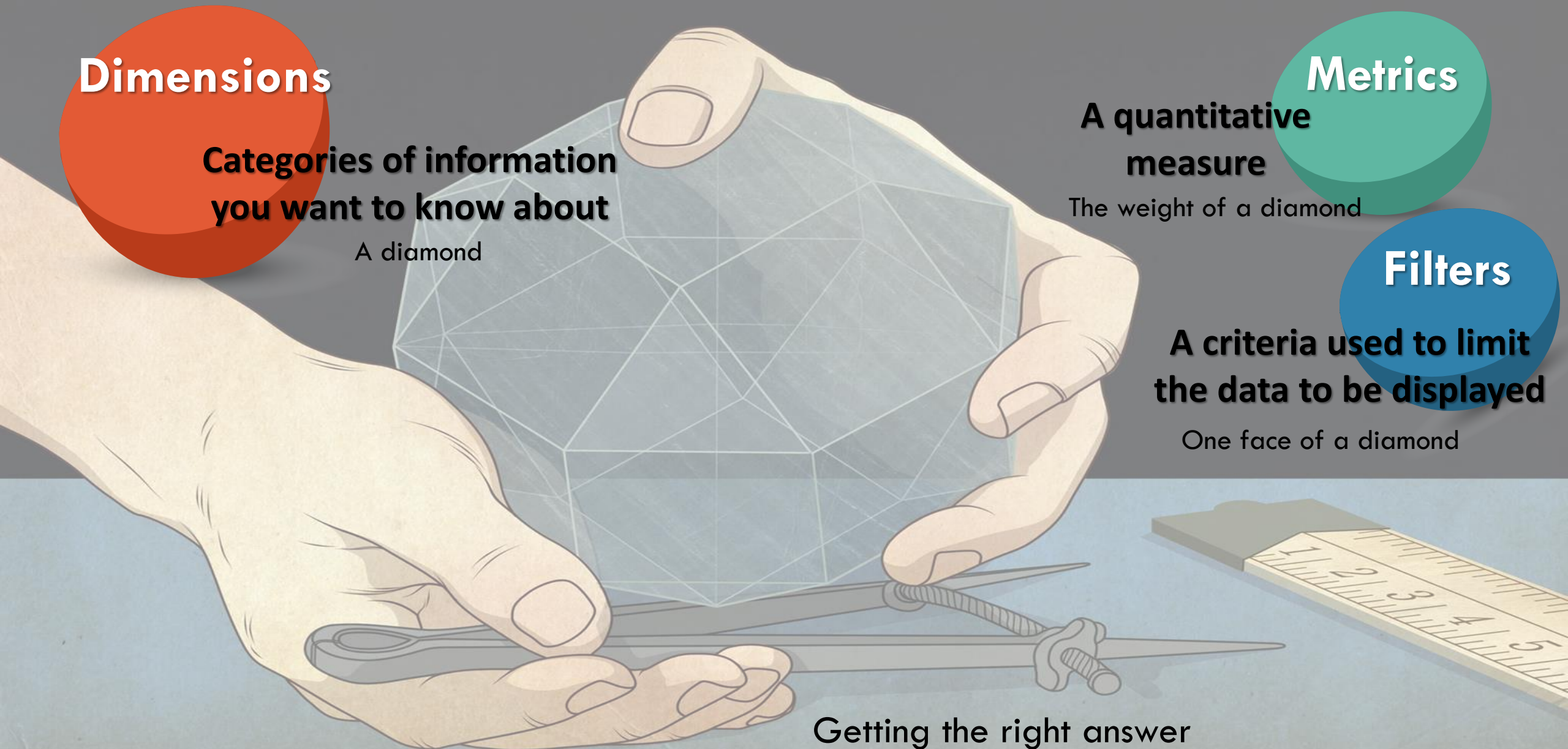
The weight of a diamond

## Filters

**A criteria used to limit  
the data to be displayed**

One face of a diamond

Getting the right answer





# The dashboard main page

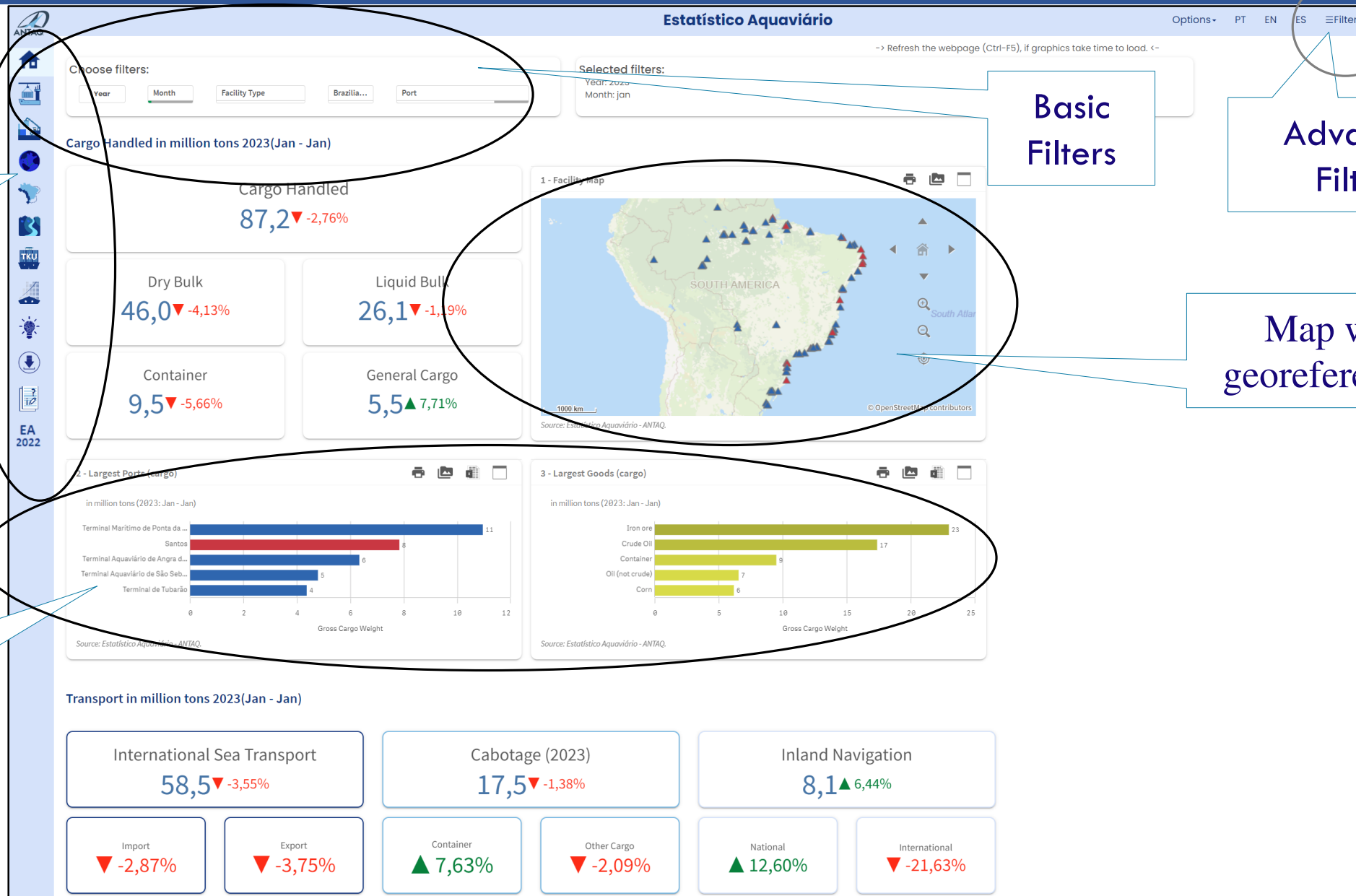
11 buttons  
changing  
pages

Basic  
Filters

Advanced  
Filters

Map with  
georeferencing

Dimensions  
and  
metrics





## Browse for:

- Total Containerized cargo handled in 2022;
- in cabotage navigation ;
- for public ports of Santos and Paranaguá; and
- the Private Use Terminal of Portonave.





# Using the dashboard: The checklist



Choose the right page



Select the right filters



Look at the right dimensions



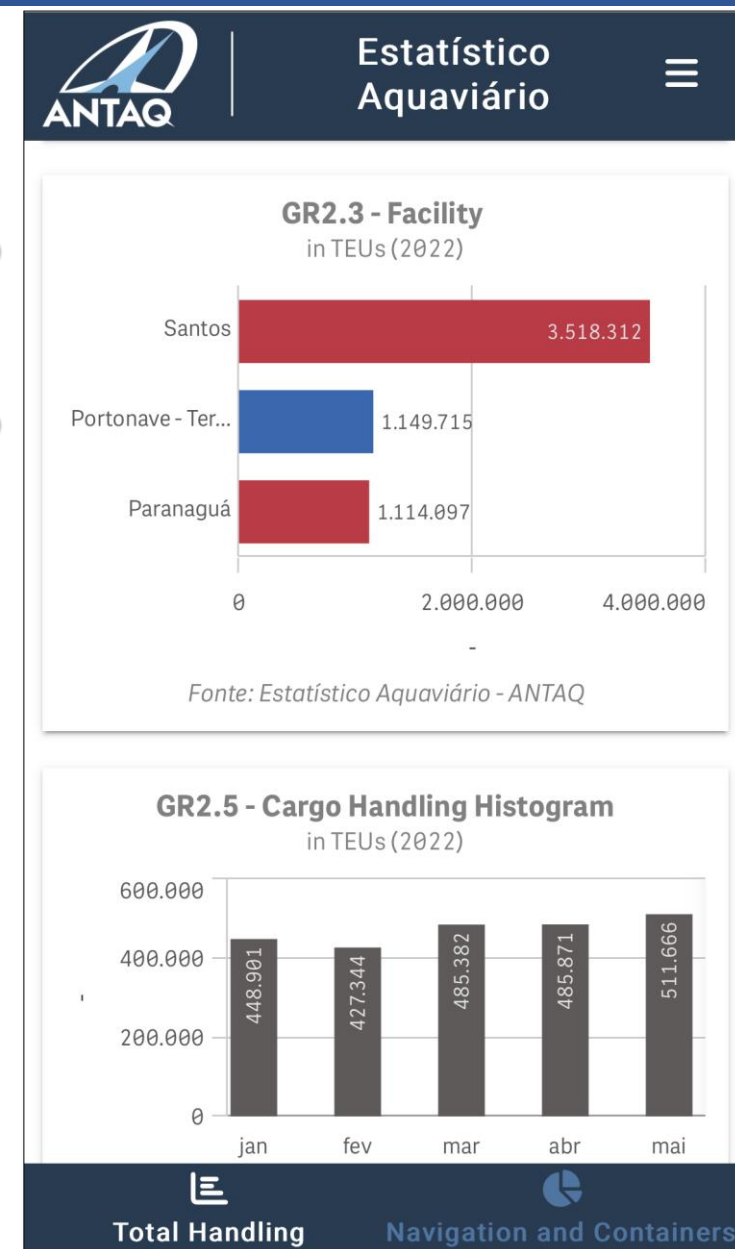
Print or save the information



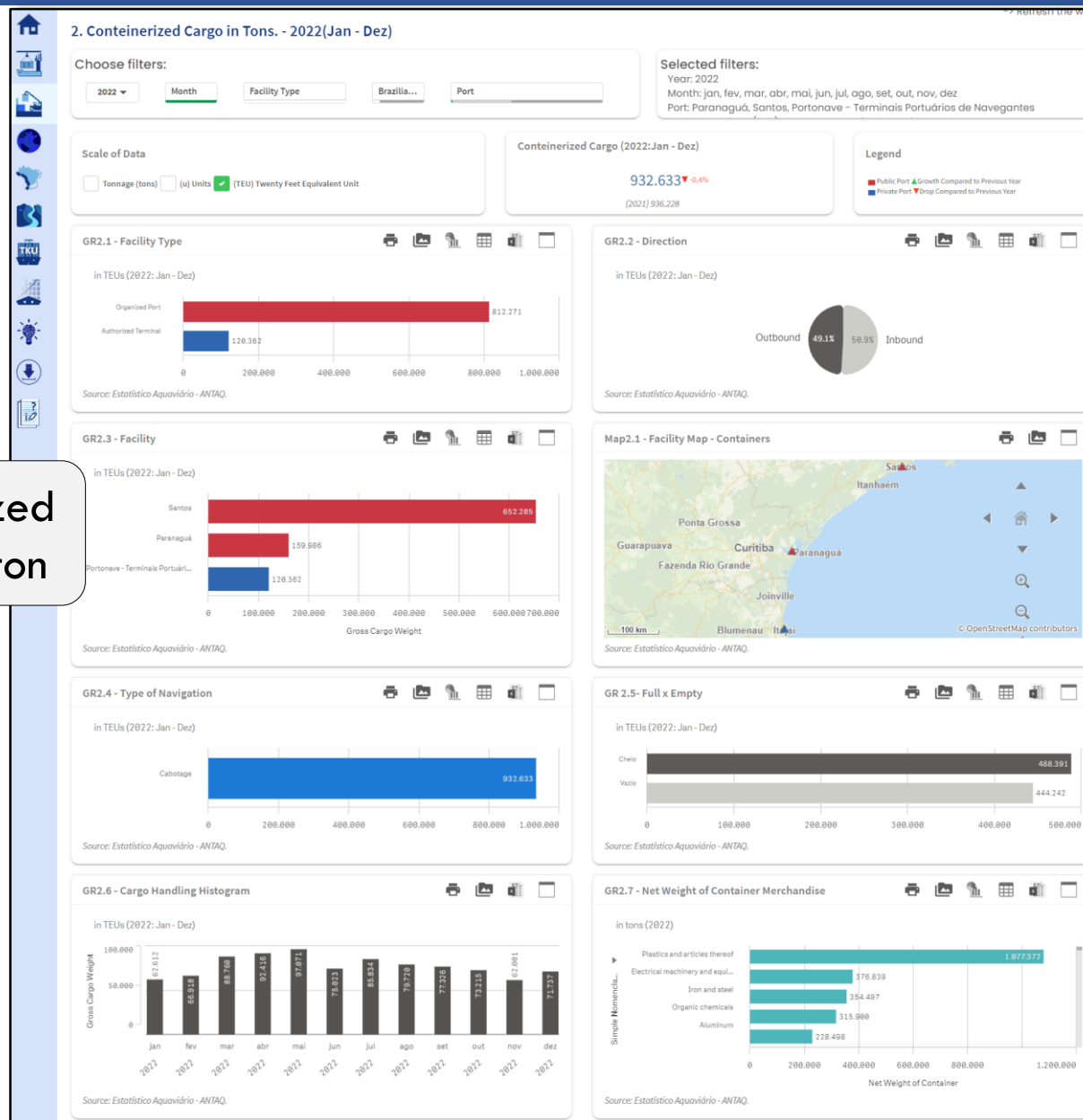


# Using the dashboard: Step 1 – The right page

## Containerized Cargo Page



Containerized Cargo Button





# Using the dashboard: Step 2 – Select the right filters

## Basic Filter Area

Choose filters:

Year = 2022

Months = Jan to Dec

Ports names =  
Santos  
Paranaguá  
Portonave

## Advanced Filter Area

Type of navigation  
= Cabotage

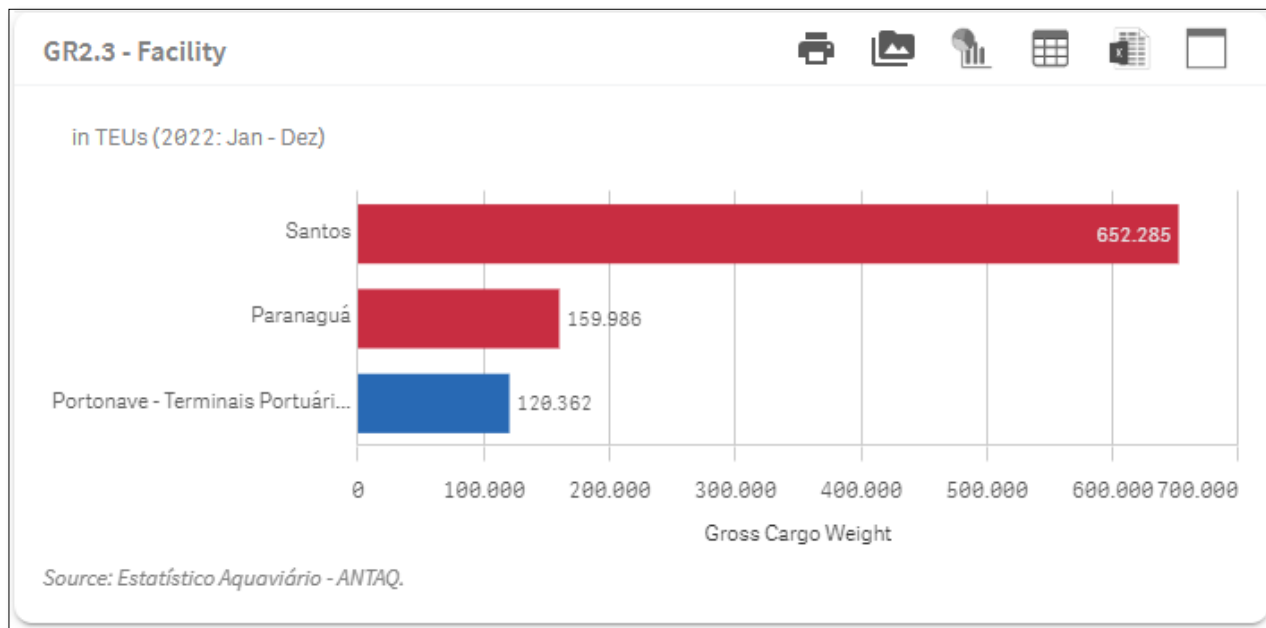
General Filters

Container Goods Filters

Filters by Area



# Using the dashboard: steps 3, 4 – Viewing and saving information



Results (Thousand TEU):

**Santos-SP** = 652,285

**Paranaguá-PR** = 159,986

**Portonave-SC** = 120,362

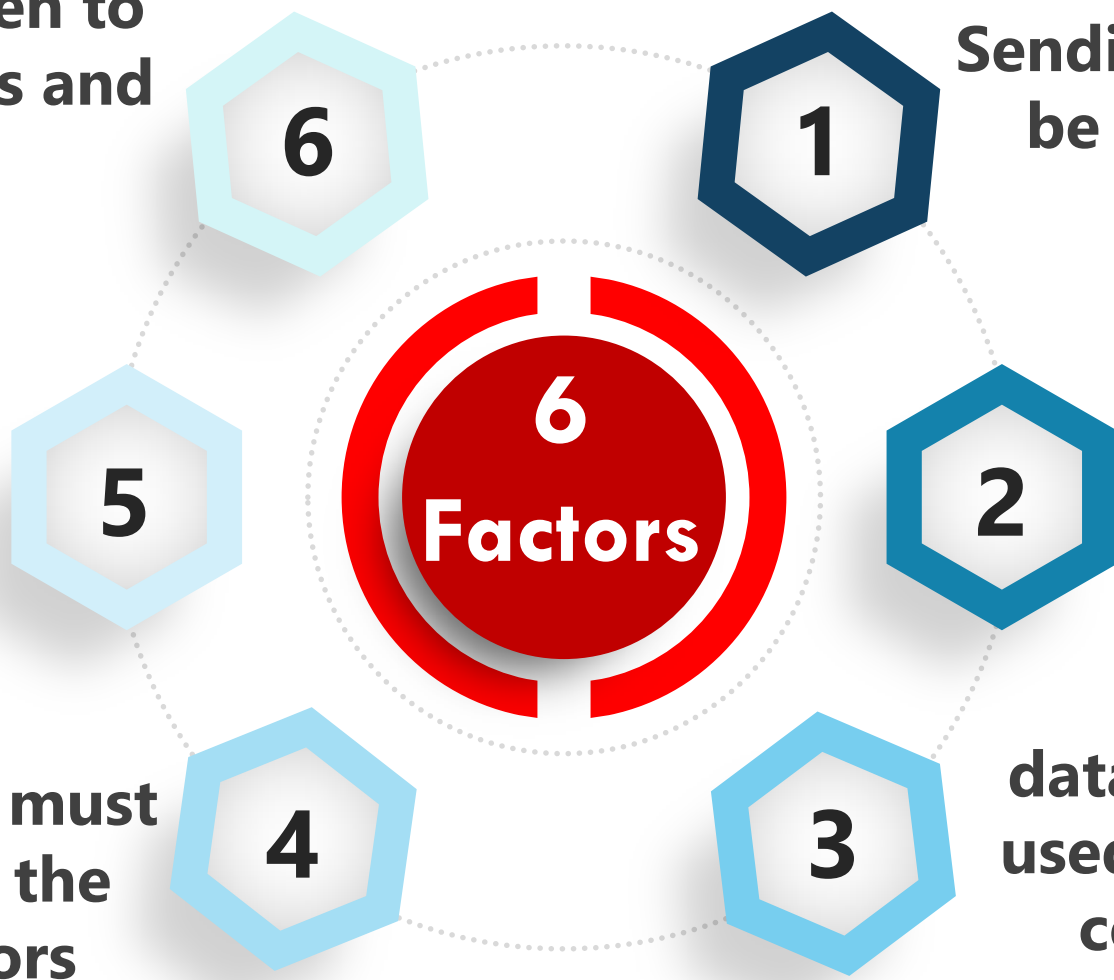


# Conclusion: 6 important factors in dashboard development

We must always be open to Suggestions, comments and criticism

There must be the involvement of the regulated sector

The whole system must be supported by the board of directors



Sending data must be mandatory

There must be Software, hardware, Database and People

data must actually be used by everyone as a confident source



# Thank you

[fernando.serra@antag.gov.br](mailto:fernando.serra@antag.gov.br)

[desempenhoportuario@antag.gov.br](mailto:desempenhoportuario@antag.gov.br)

**Statistics and Port Performance manager – GEA**  
**Superintendency of Performance, Development and Sustainability – SDS**  
**Brazilian National Waterway Transportation Agency – ANTAQ**

[ea.antag.gov.br](http://ea.antag.gov.br)

Santos Port Authority