

# 5th Hemispheric Conference on Waterways, Inland and Cruise Ports

Strengthening safety and resilience | 28 April 2026

## Deepening dredging of the access channel to the Babitonga Bay Port Complex with the beneficial use of dredged sediments for beach recovery along the Itapoá coastline

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# Who we are - two strategic port leaders

## Port of São Francisco do Sul



*Public Port Authority*  
8th largest public port in Brazil  
17.5 million tons / year

## Port of Itapoá



*Private Container Terminal*  
3rd largest container terminal in Brazil  
1.2 million TEUs / year

Public scale and private efficiency combined to deliver an innovative port and climate adaptation solution

# Needs – What had to be achieved

## Goal 1

366m Container vessels at fully loaded

-16m required depth

Improve the port operations efficiency



## Goal 2

Itapoa coastline recovery, using the dredging sediment

# Unprecedented Solution - Beneficial Use of Dredged Sediments

## **Sediment Reuse for Restoration**

6.42 million cubic meters of sandy sediment were used to recovery and protection eight kilometers of urban coastline.

## **Dune System Formation**

64,500 cubic meters of sediment combined with 44,000 native seedlings formed new coastal dunes enhancing natural sand retention.

## **Environmental and Infrastructure Benefits**

Restored dunes protect infrastructure, provide wildlife habitat, and increase resilience to storms and sea level rise.

## **Sustainable Port and Coastal Management**

The project integrates port dredging with urban coastal recovery, promoting ports as agents of sustainable environmental management.



# Investment, Licensing, and Environmental Control

## Significant Financial Investment

The project has a total dredged volume of 12.6M m<sup>3</sup>, with a R\$324M investment, marking it as Brazil's largest integrated port dredging and coastal recovery initiative.

## Comprehensive Environmental Licensing

Fully licensed by Brazil's federal environmental authority IBAMA.

## Environmental Programs

Executing 25 diverse environmental programs monitoring water, sediment, marine fauna, coastal morphology, fisheries, and social aspects.

## Innovative financial modelling

A innovative financial modelling, in a public-private partnership



# Measured Progress and Transferable Impact

## Progress in Coastal Works

40% of dredging and 60% of beach recovery completed, meeting environmental and schedule requirements.

## Climate Resilience Enhancement

Project improves climate resilience, protects urban infrastructure, and enhances environmental quality along the coast.

## Economic and Logistic Benefits

Secures safe access for large container vessels, boosting port competitiveness and supporting local tourism economy.

## Scalable and Transferable Model

Establishes a replicable approach combining port expansion, environmental protection, and climate adaptation.



# Overview – beach recovery works



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**Thank you!!!**

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