



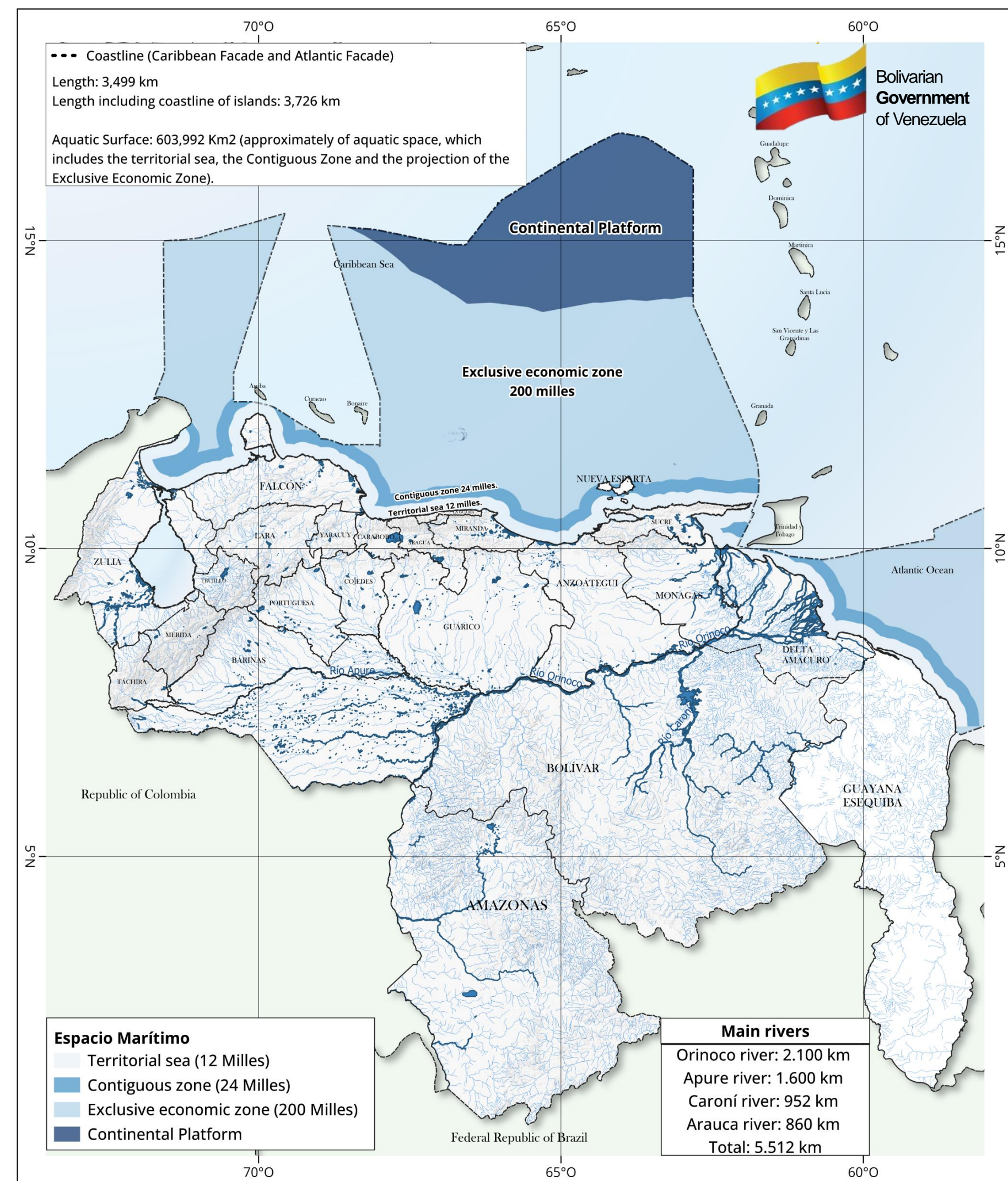
Bolivarian
Government
of Venezuela

Fisheries and Aquaculture Sector



The Blue Venezuela







The Bolivarian Republic of Venezuela has the most privileged geostrategic location in the north of South America, with an area of 916,445 km², and has the most extensive coastline in the Caribbean with approximately 4,261 km (including 314 islands, cays and islets), 74,534.17 km² of territorial sea (including the Reclamation Zone), 70,212.84 km² of contiguous zone, 478,968.42 km² Exclusive Economic Zone, 582,356.03 km² of continental shelf and a total of approximately 603,992 km² of jurisdictional waters. The sum of these aquatic spaces (seas and lakes) totals approximately 603,992 km².









--- Coastline (Caribbean Facade and Atlantic Facade)
 Length: 3,499 km
 Length including coastline of islands: 3,726 km

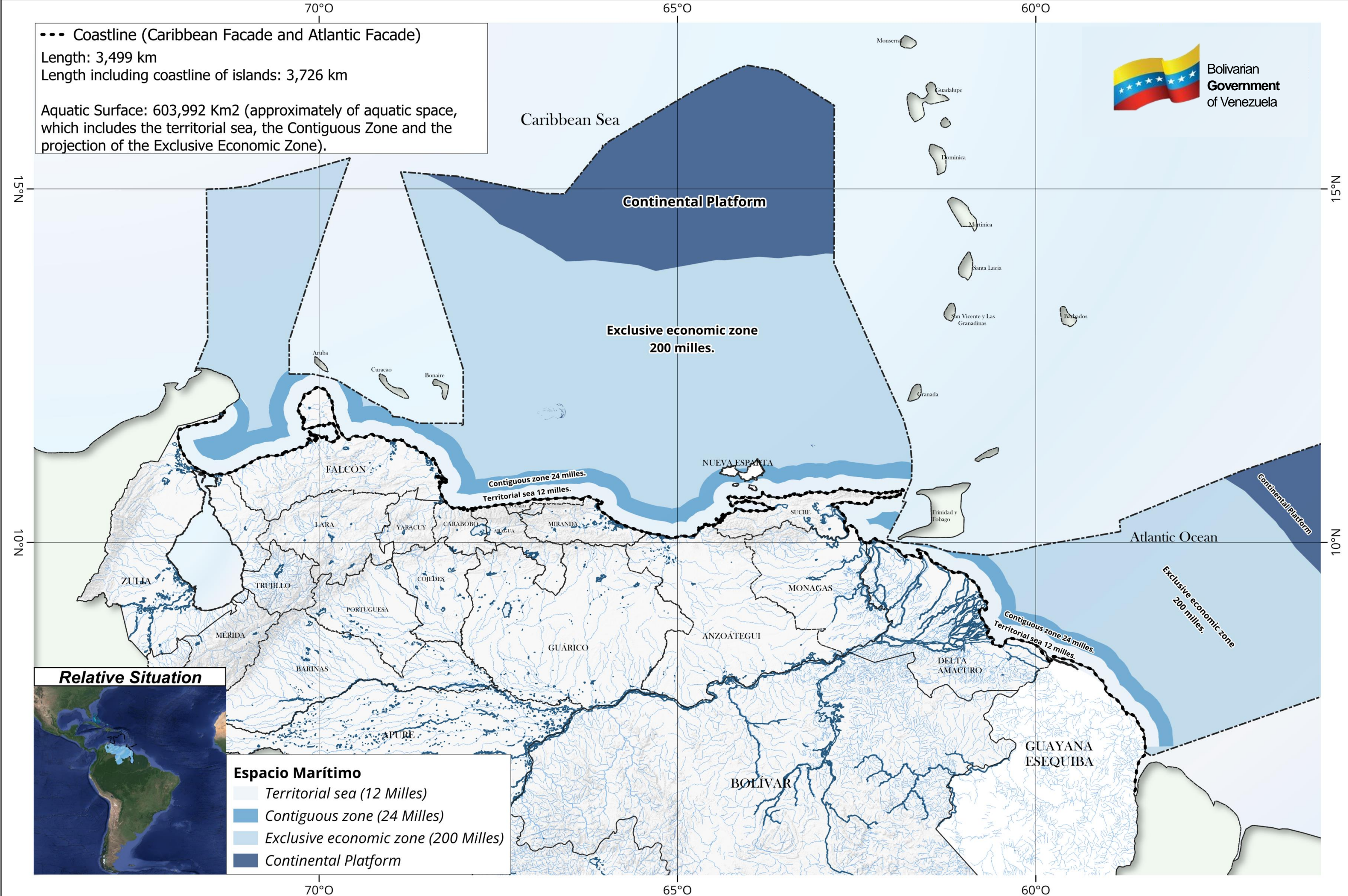
Aquatic Surface: 603,992 Km² (approximately of aquatic space, which includes the territorial sea, the Contiguous Zone and the projection of the Exclusive Economic Zone).

Hydrographic Basins	
	Basin of the Casiquiare, 51.733,25 Km ²
	Basin of the Paria Gulf, 23.629,43 Km ²
	Basin of the Lake Valencia, 3.073,96 Km ²
	Basin of the Caribbean sea, 156.802,06 Km ²
	Basin of the Esequibo river, 181.579,51 Km ²
	Basin of the Orinoco river, 640.891,14 Km ²

Espacio Marítimo	
	Territorial sea (12 Milles)
	Contiguous zone (24 Milles)
	Exclusive economic zone (200 Milles)
	Continental Platform

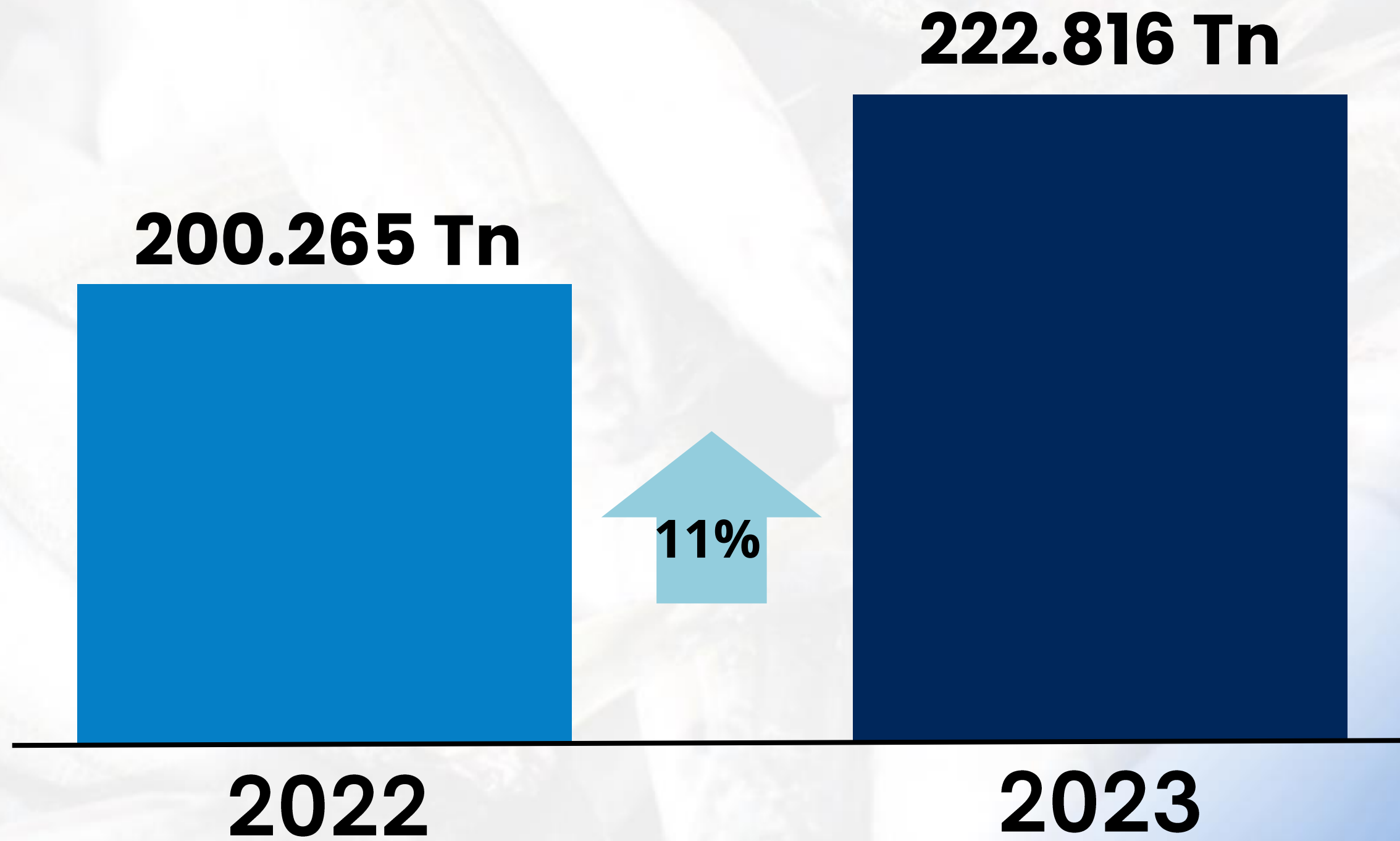
Main rivers	
Orinoco river:	2.100 km
Apure river:	1.600 km
Caroní river:	952 km
Arauca river:	860 km
Total:	5.512 km

- - - Coastline (Caribbean Facade and Atlantic Facade)
 Length: 3,499 km
 Length including coastline of islands: 3,726 km
 Aquatic Surface: 603,992 Km² (approximately of aquatic space, which includes the territorial sea, the Contiguous Zone and the projection of the Exclusive Economic Zone).



Espacio Marítimo
 Territorial sea (12 Millas)
 Contiguous zone (24 Millas)
 Exclusive economic zone (200 Millas)
 Continental Platform

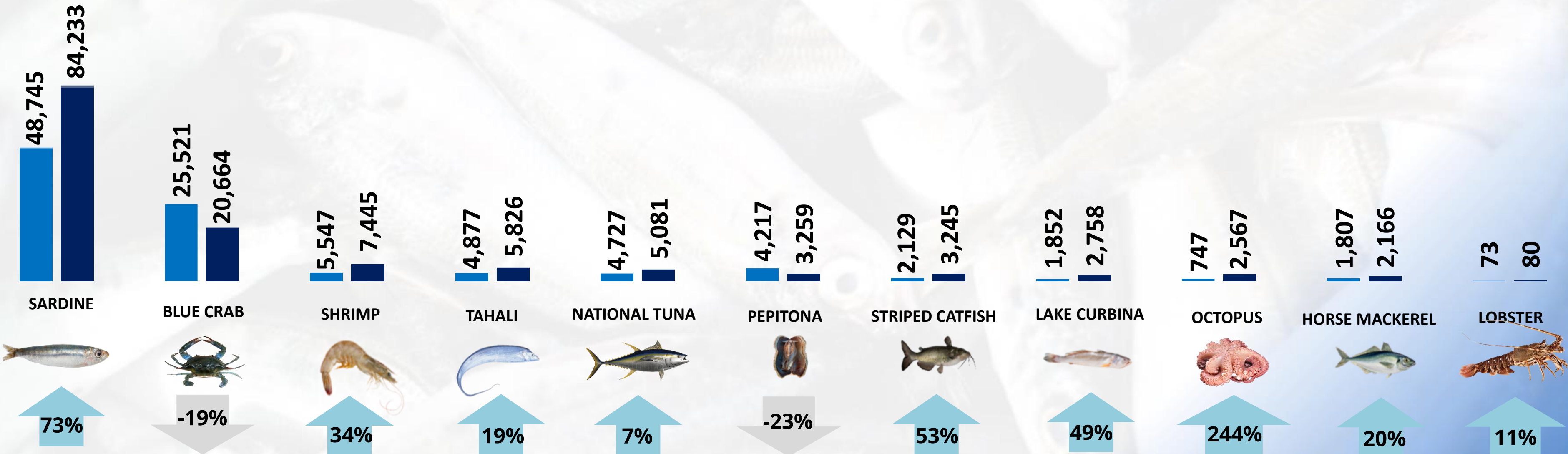
Fishing Catch



Fishing Catch

● 2022
● 2023

Main Species (Tn) Years 2022 - 2023



Type of Fisheries

Commercial fishing activity in Venezuela is carried out by two subsectors, the Artisanal and the Industrial.



Small Scale

Fishing vessels smaller than 10 BAU.



Large Scale

Fishing vessels larger than 10 UAB.



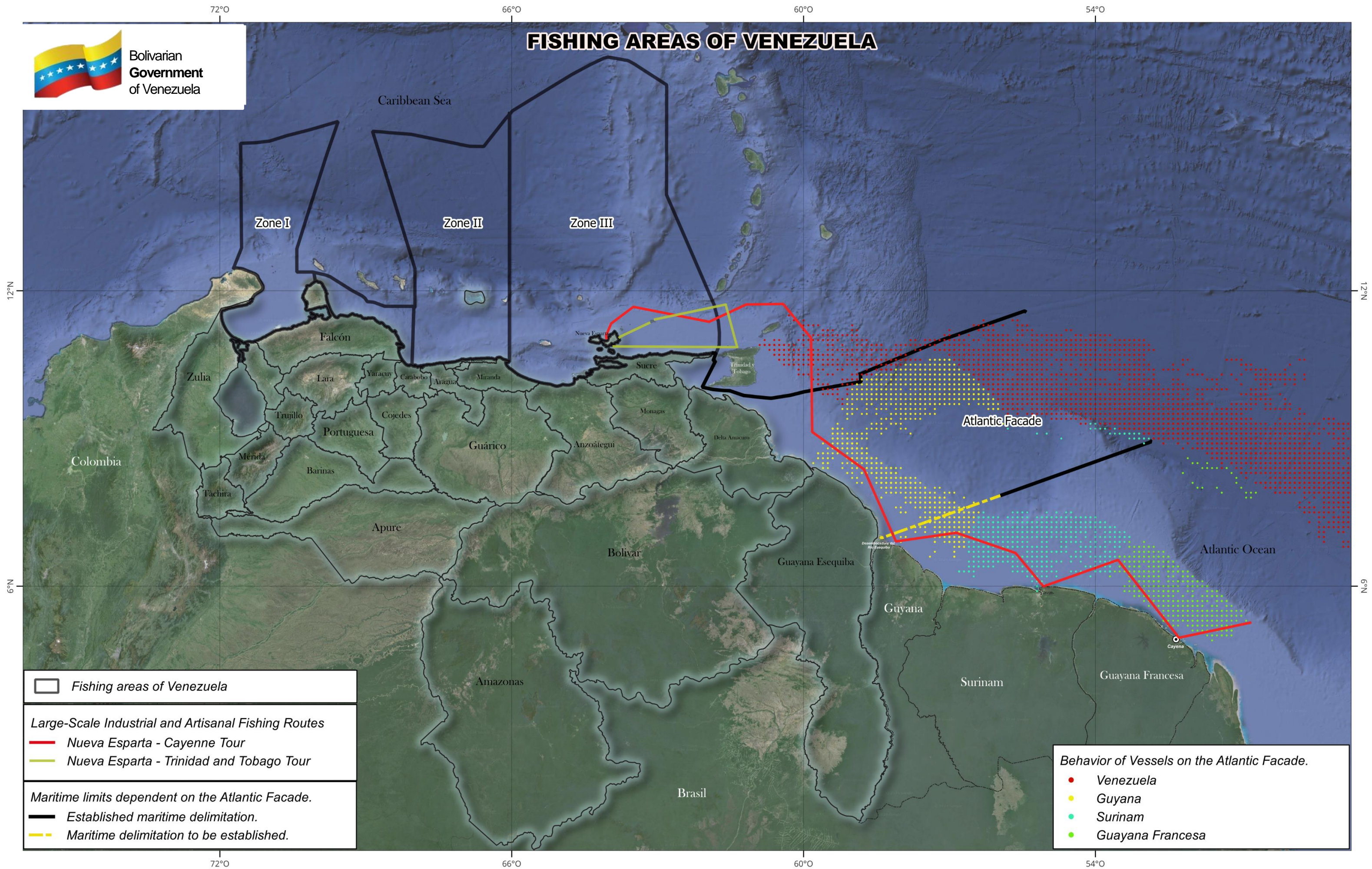
Industrial

Industrial tuna vessels are classified into Purse Seine, Pole & Line, Longline and Multipurpose, are built of naval steel and can measure between 30 and 130 m overall length.



Bolivarian Government of Venezuela

FISHING AREAS OF VENEZUELA



Fishing areas of Venezuela

Large-Scale Industrial and Artisanal Fishing Routes

Nueva Esparta - Cayenne Tour

Nueva Esparta - Trinidad and Tobago Tour

Maritime limits dependent on the Atlantic Facade.

Established maritime delimitation.

Maritime delimitation to be established.

Behavior of Vessels on the Atlantic Facade.

Venezuela

Guyana

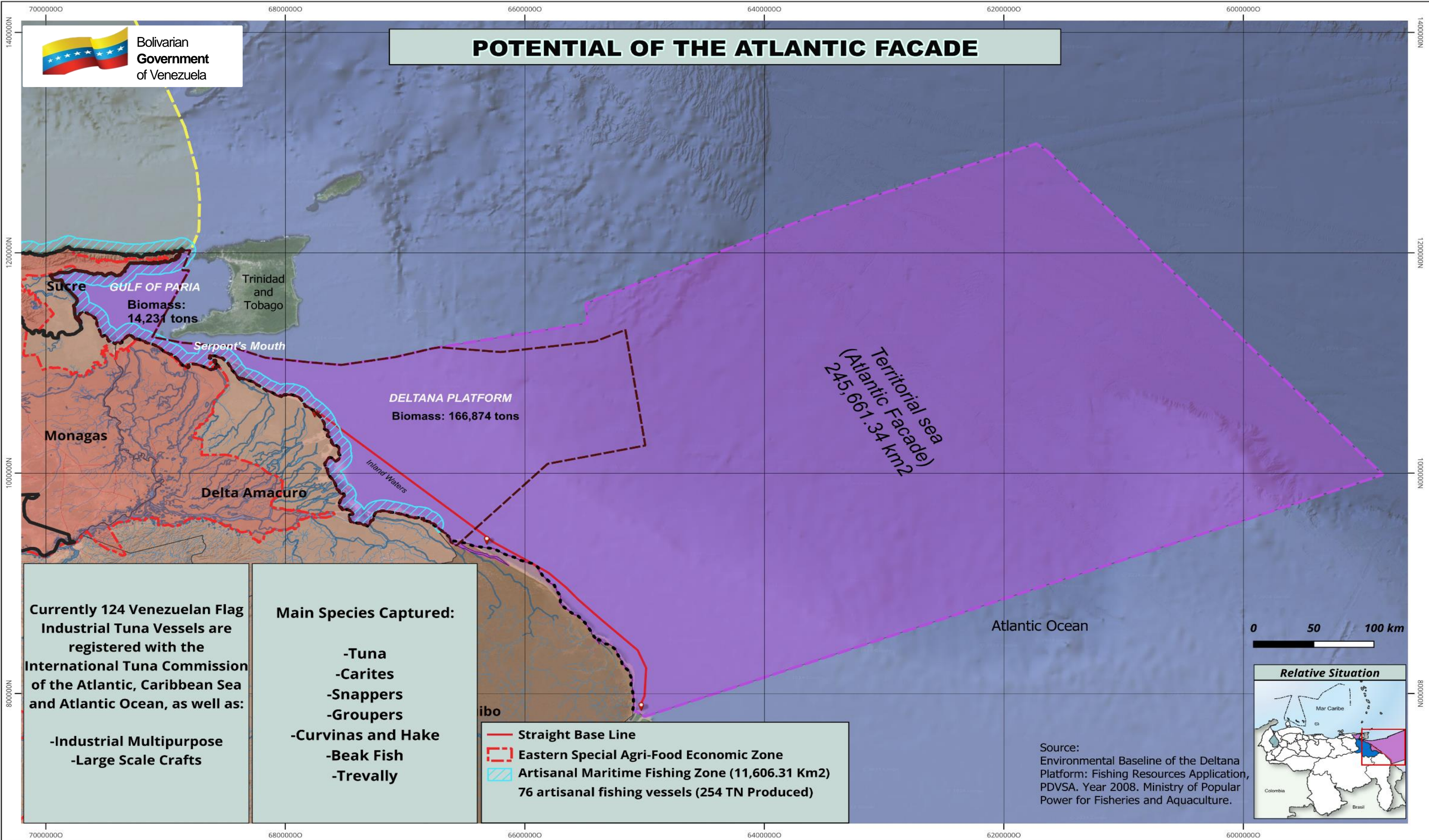
Surinam

Guayana Francesa



Bolivarian Government of Venezuela

POTENTIAL OF THE ATLANTIC FACADE



Currently 124 Venezuelan Flag Industrial Tuna Vessels are registered with the International Tuna Commission of the Atlantic, Caribbean Sea and Atlantic Ocean, as well as:

- Industrial Multipurpose
- Large Scale Crafts

Main Species Captured:

- Tuna
- Carites
- Snappers
- Groupers
- Curvinas and Hake
- Beak Fish
- Trevally

- Straight Base Line
- - Eastern Special Agri-Food Economic Zone
- / Artisanal Maritime Fishing Zone (11,606.31 Km²)

76 artisanal fishing vessels (254 TN Produced)

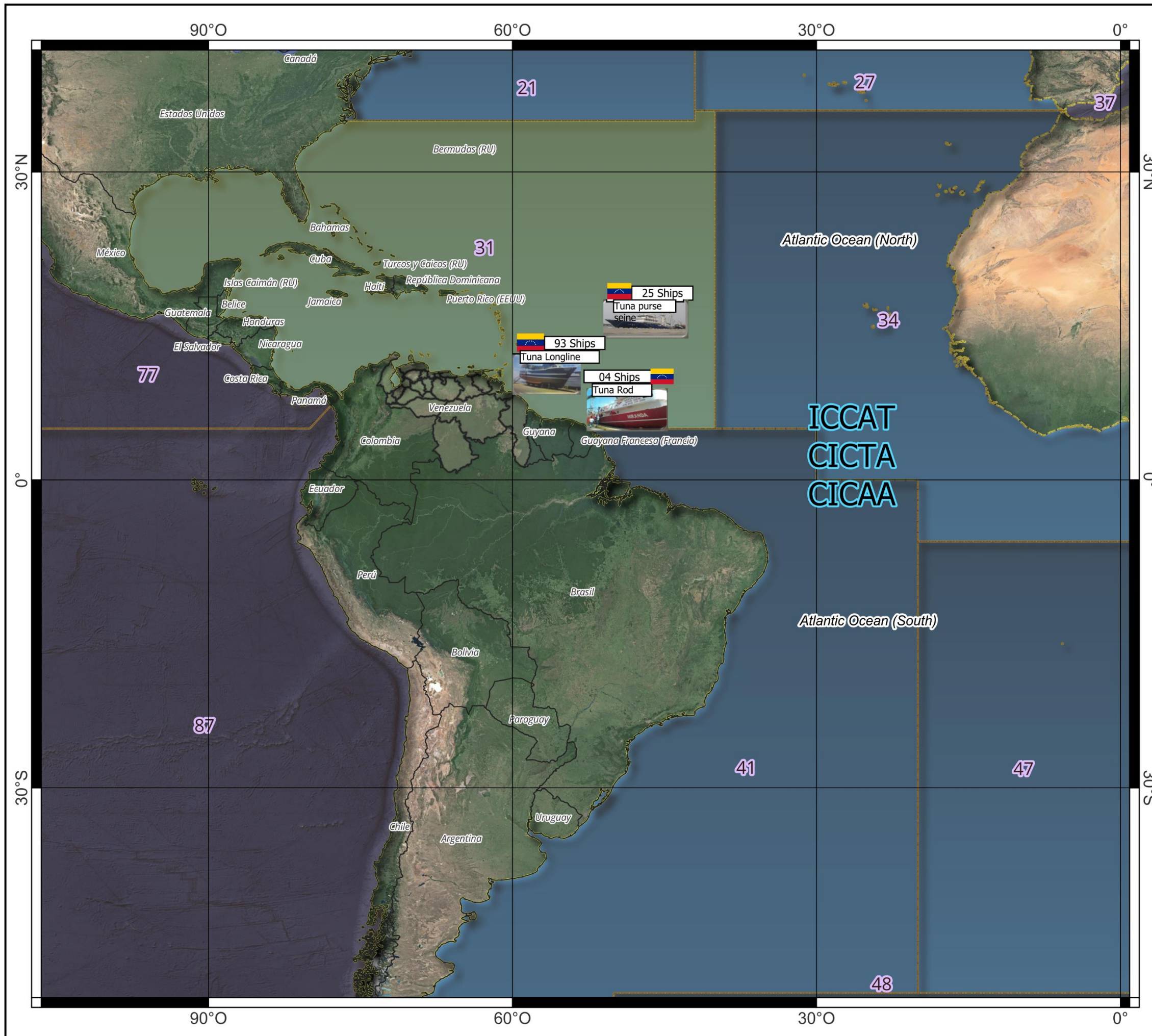


Source:
Environmental Baseline of the Deltana Platform: Fishing Resources Application, PDVSA. Year 2008. Ministry of Popular Power for Fisheries and Aquaculture.



Bolivarian Government of Venezuela

SITUATIONAL MAP INDUSTRIAL FLEET IN THE ATLANTIC OCEAN

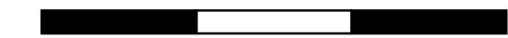


LEGEND

- FAO Zone 31. Which corresponds to the Venezuelan Atlantic Facade.
- Limits of Fishing Zones of the International Fisheries Commission FAO.
- International Commission for the Conservation of Atlantic Tuna.

Scale 1:30,100,000

500 0 500 1.000 km

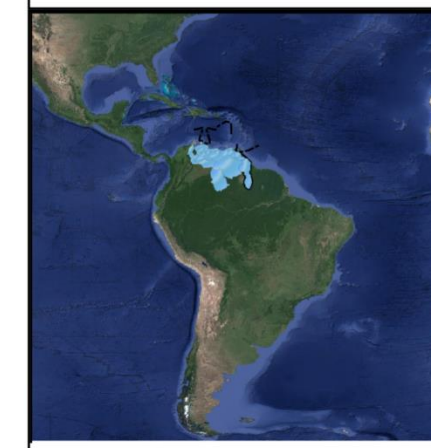


GEOGRAPHICAL COORDINATE SYSTEM
Datum WGS 84

Datum WGS 84

Cartographic Base: Information provided by FAO, 2017.
Source: Inter-American Tropical Tuna Commission.
General Directorate of Industrial Fisheries. MINPESCA.

RELATIVE SITUATION



Produced by:
Strategic Office for Monitoring and Evaluation of
Public Policies, 2024.



**SITUATIONAL MAP
INDUSTRIAL TUNA FLEET IN THE
EASTERN PACIFIC OCEAN**

LEGEND

- Area where the Venezuelan Purse Seine industrial Tuna Fleet operates
- Inter-American Tropical Tuna Commission (IATTC)
- Limits of Fishing Zones of the International Fisheries Commission FAO

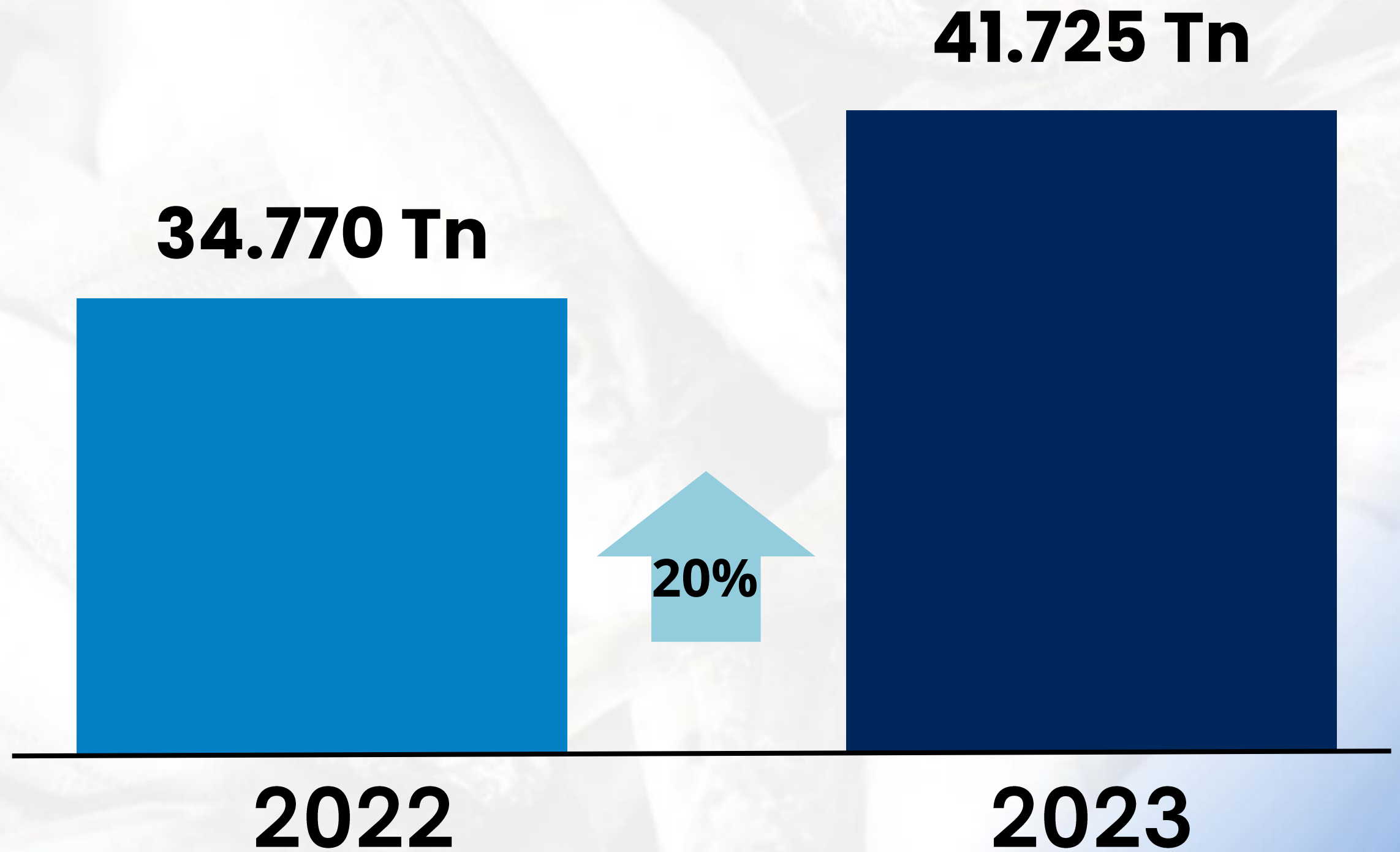
Scale 1:46,000,000
0 500 1.000 km

GEOGRAPHICAL COORDINATE SYSTEM
WGS 84 data
Cartographic Base: Information provided by FAO, 2017.
Google Satellite.
Source: Inter-American Tropical Tuna Commission.
General Directorate of Industrial Fisheries, MINPESCA.

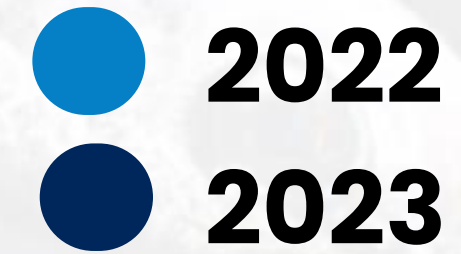


Produced by:
Strategic Office for Monitoring and Evaluation of
Public Policies, 2024.

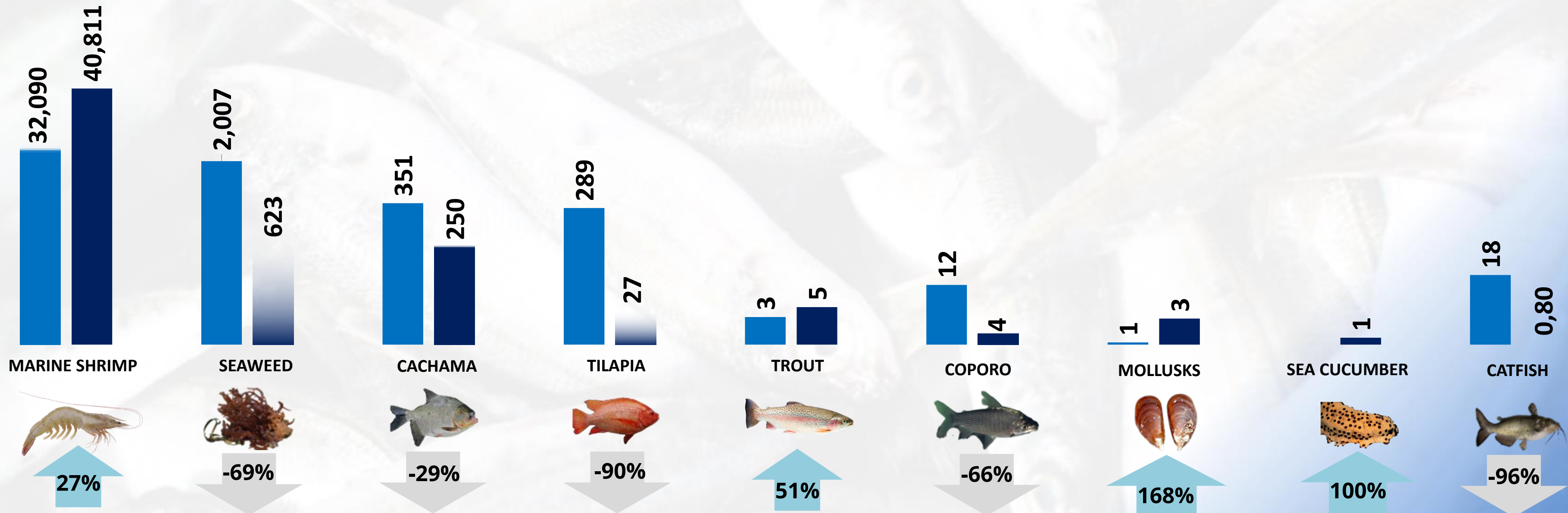
Aquaculture Production



Aquaculture Production



Main Species (Tn) Years 2022 – 2023



Marine Aquaculture Sector



Seahorse

- 2 Hippocampus reidi and Hippocampus erectus fry production laboratories.
- 1,250 ha Potential for cultivation.
- Genetic material available.



Sea Cucumber

- 1 laboratory for the reproduction of Isostichopus badionotus and Holoturia mexicana.
- 6300 potential hectares for fattening.
- Genetic material available in our coasts.



Macroalgae

- 84 Hectares of Kappaphycus alvarezii cultivation.
- Regulatory framework that protects the development of the activity.
- 4,300 potential hectares for cultivation.



Vivalve Mollusks

- 2300 potential hectares for fattening.
- Genetic material available on our coasts.

Competitive Advantage

- 55 thousand hectares immediately available for marine aquaculture development.
- Native species not dependent on balanced feed with fully developed technological packages.
- Higher number of cycles per year due to temperature conditions and high natural productivity.
- 1,413 km of coastline in 311 islets, islands and keys.

Continental Fish Farming Sector



Continental Fish Farming

- 3,875 hectares of water mirror for farming.
- 81 laboratories for reproduction of fry of autochthonous species.



Fish Farming in Reservoirs

- 108 reservoirs in Venezuela.
- 07 reservoirs with immediate vocation to carry out cultivation.
- Genetic material available.

Competitive Advantage

- Complete technological package for reproduction and breeding of the prochilodus species, which is a vulnerable species in countries such as Colombia, Brazil, Ecuador and Peru.
- Fish farming production capacity in 07 reservoirs with 25,443 hectares, for a total of 21,000 tons.
- Fish farming production capacity in 3,875 hectares of constructed water mirror of 19,375 mt/year with little dependence on balanced feed.
- 75,000 hectares of potential for the development of fish farming of both native and exotic species.
- Export capacity of native fish species to Colombia and Brazil.

Shrimp Farming Sector



Genetics

19 Certified shrimp postlarvae production laboratories with an annual capacity of 15 million thousand PL'S/year.



Growing

- 76 fattening farms nationwide.
- 19,135 hectares of water reservoirs built.
- 49,000 hectares of potential.



Processing Plants

- 13 shrimp processing plants.
- 3,882 MT/day of processing capacity.



Balanced Feed

- 06 Balanced feed mills.
- 108,000 MT/year.

Shrimp Farming Sector

Strengths

- Stable environmental conditions all year round above 28°C.
- Crop cycles of 45 to 56 days to achieve commercial sizes.
- Nutrient-rich water quality.
- Zero presence of diseases such as taura, white spot, early mortality and EHP.
- Direct export routes without going through the Panama Canal.
- Farms certified by European Union, ASC (Aquaculture Stewardship Council), BAP (Best Aquaculture Practices).
- Approved export protocol with the People's Republic of China.
- Export protocol approved with the Russian Federation.



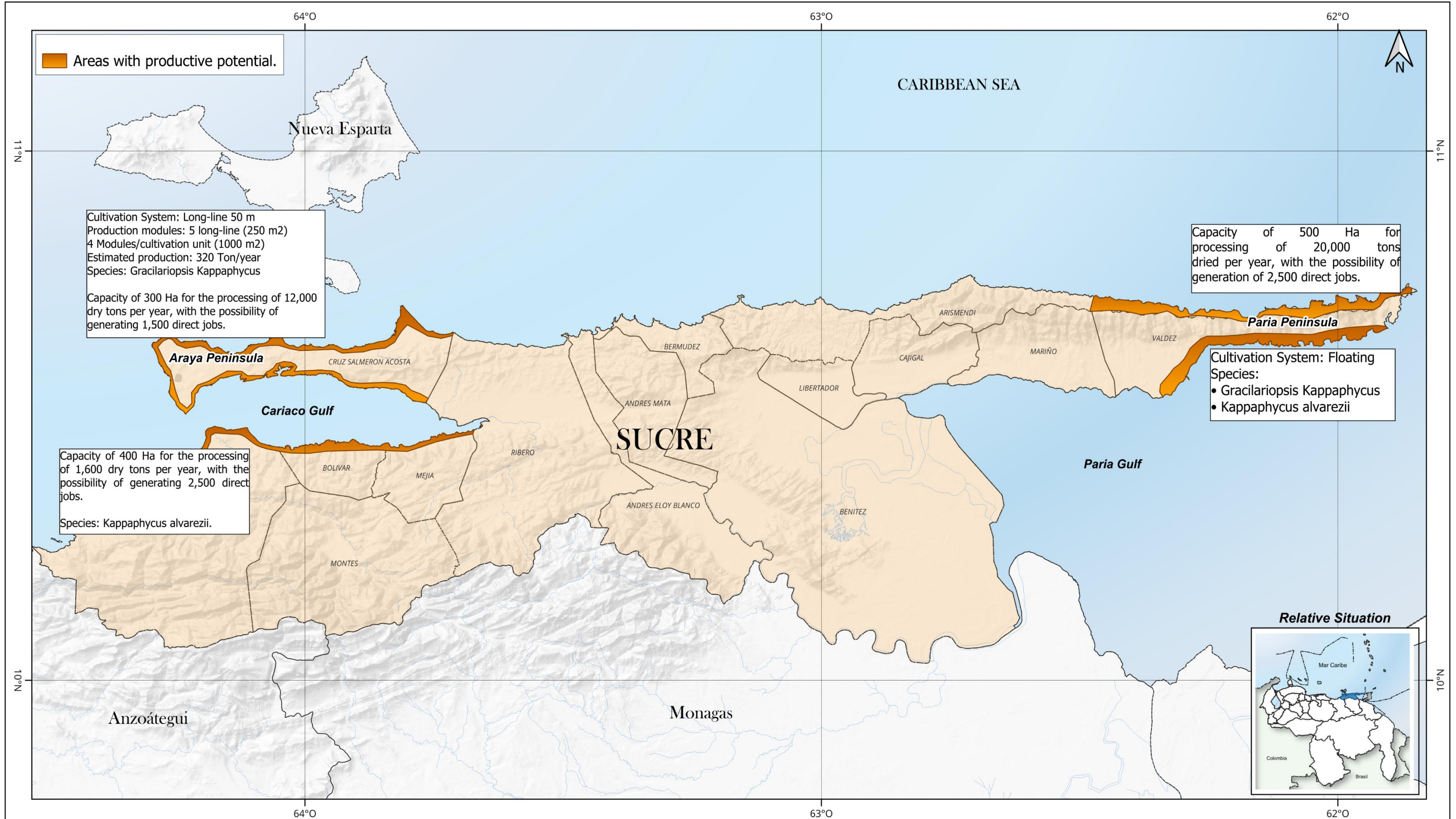
The States of Zulia and Falcón have the highest concentration of shrimp farms.



Bolivarian
Government
of Venezuela

POTENTIAL AREAS FOR CULTIVATION OF MICROALGAE

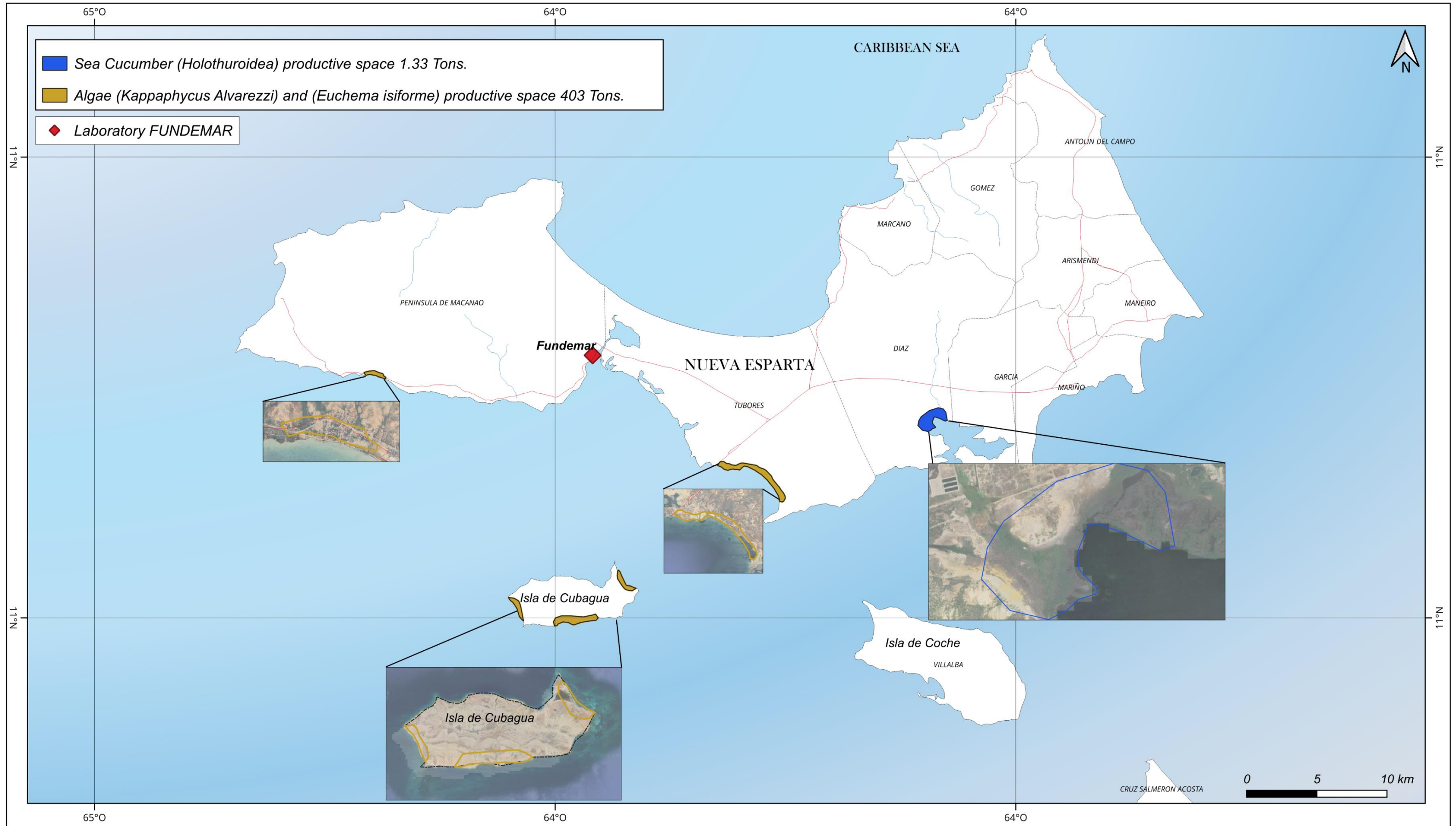
SUCRE STATE





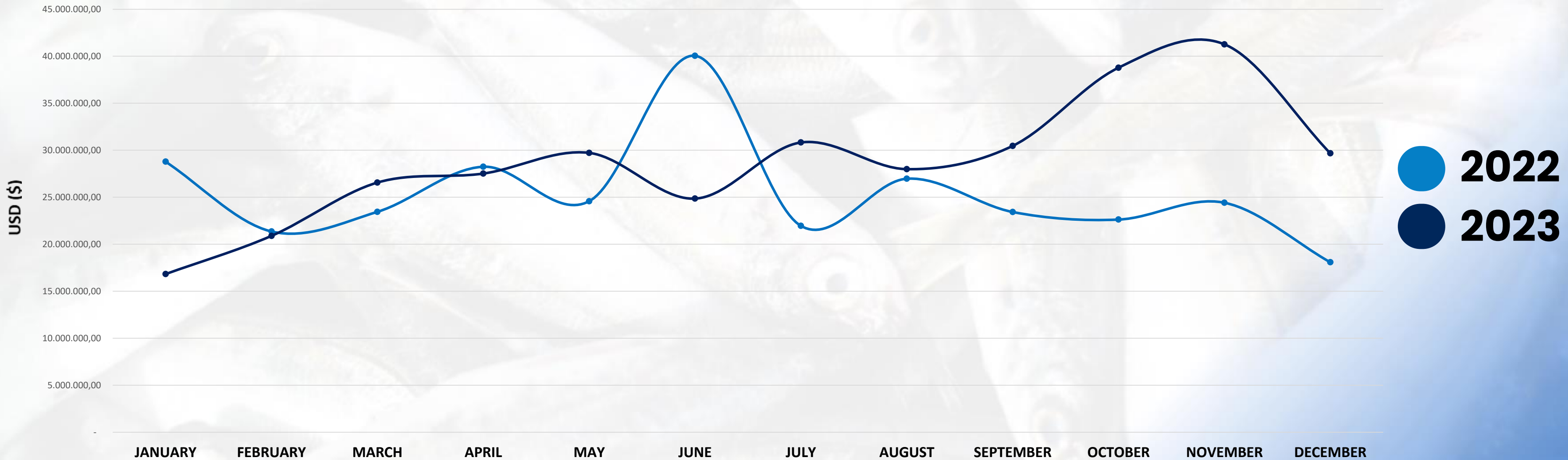
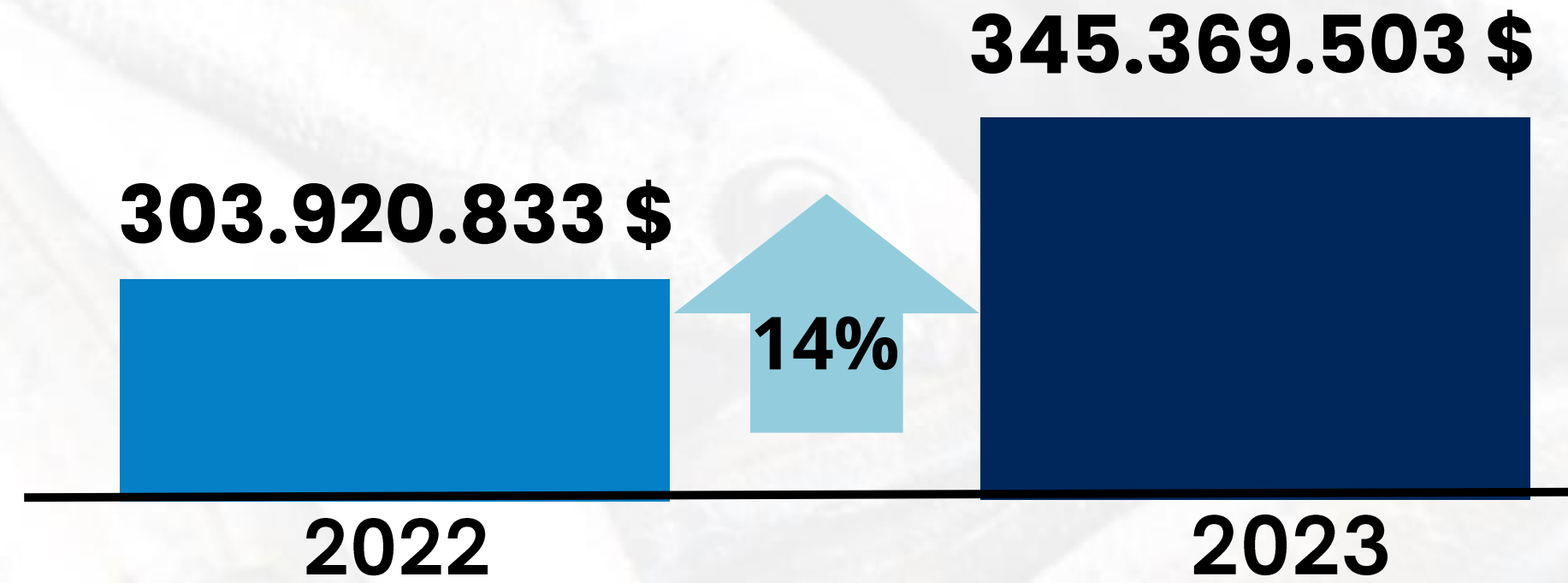
Bolivarian
Government
of Venezuela

PRODUCTIVE SPACE OF SEA CUCUMBER AND ALGAE SPECIES NUEVA ESPARTA STATE



Estimated Trade Value- USD (\$)

Domestic Market

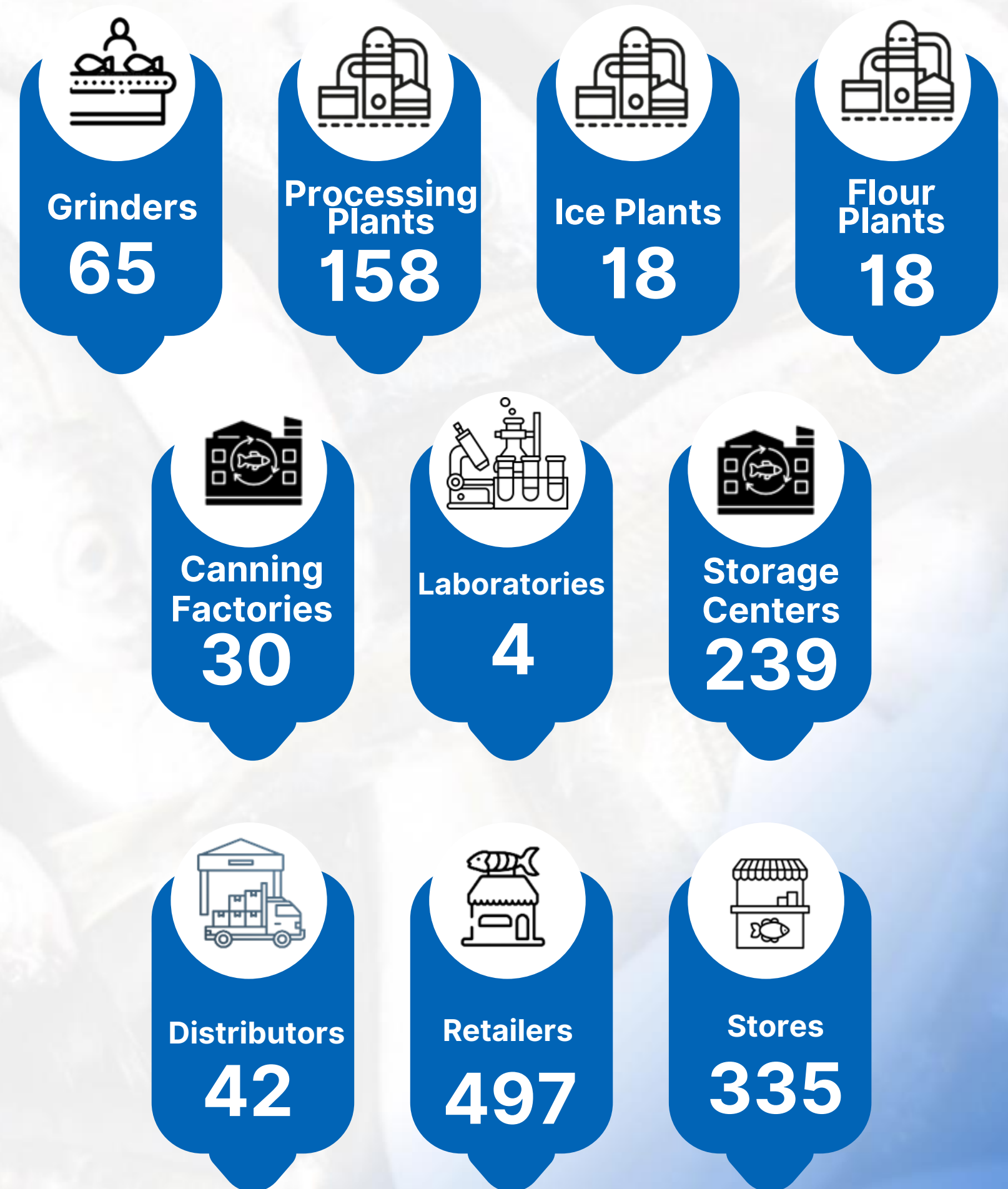


Plant and Related Sector Infrastructure

The linear process without intermingling, with the spatial division of the areas described:

- Reception of raw material: reception is carried out by means of selection by the conformity of the organoleptic characteristics of the fishery and aquaculture products.
- Dirty slaughter: where the products, viscera, scales, among others, are thoroughly cleaned.
- Quick freezing tunnels: which guarantee the internal freezing of the product to eliminate microbiological growth.
- Clean slaughter: the products are correctly packaged and labeled.
- Finished product storage: storage to maintain the cold chain.

This general spatial division ensures the implementation of procedures for the early detection of products unfit to be marketed, through the establishment of Critical Control Points (implementation of Good Production Practices, HACCP), which guarantees that the products produced by our companies are of high quality and, above all, safe.



Logistics Infrastructure

The infrastructure for international trade is characterized by modern seaports and airports strategically located to facilitate the transport of goods abroad. The port facilities have state-of-the-art technology to guarantee the quality of the products, and there are air service agreements with several countries such as **the Russian Federation, Republic of Argentina, Republic of Guatemala, State of Libya, French Republic, Portuguese Republic, Italian Republic, Dominican Republic, Kingdom of Spain, United Mexican States, Jamaica, Plurinational State of Bolivia, Suriname, Islamic Republic of Iran, Republic of Cuba, Oriental Republic of Uruguay, Association of Caribbean States, State of Qatar, Federative Republic of Brazil, Republic of Panama, Federal Republic of Germany and Canada**, which expedite the logistics process.



71 Caravans



2.658 Private Cellars

Ports:

1

Cabello Port

10 Docks, 25 Berths, 28 Yards, 9 Warehouses and 50 silos

2

La Guaira International Port

7 docks, 1 specialized container terminal, 28 berths, 41 yards, 4 warehouses and 12 silos

3

Maracaibo Port

12 Docks, 12 Berths, 15 Yards, 5 Warehouses and 40 silos

4

Guanta International Port

12 Docks, 7 Berths, 17 Yards, 3 Warehouses.

5

El Guamache International Port

13 Docks, 3 Berths, 12 Yards and 1 Warehouse.

6

La Ceiba International Port

13 Docks, 3 Berths, 12 Yards and 1 Warehouse.

Airports:

- La Chinita International Airport
- Arturo Michelena International Airport
- Josefa Camejo International Airport
- Santiago Mariño International Airport
- Maiquetia International Airport
- General José Antonio Anzoátegui International Airport

National Legislation

- **Constitution of the Bolivarian Republic of Venezuela**

- **Organic Law of the Venezuelan System for Quality**

- **Organic Law of Health**

- **Decree with Rank, Value and Force of Law of Fishing and Aquaculture**

- **Sanitary Standards for the Production and Trade of Fishery Products (SARPA 13)**

- **Good Manufacturing, Storage and Transportation Practices for Food for Human Consumption**

- **Codex Alimentarius**

- **Venezuelan COVENIN Standards**

- **General Food Regulation**

At the national level, establishments must have the following authorizations that guarantee high standards of quality and food safety:

- Company registration with the Socialist Institute of Fisheries and Aquaculture (INSOPESCA).
- Sanitary certification of the establishment (INSOPESCA).
- Sanitary Operating Permit (Autonomous Service of Sanitary Control)
- Certification of Verification of the Hazard Analysis and Critical Control Point System (HACCP) (INSOPESCA).

International Legal Standards

1

BAP - Best Aquaculture Practices / Mejores Prácticas Acuícolas

2

ASC - Aquaculture Stewardship Council / Consejo de Administración de Acuicultura

3

FDA - Food and Drug Administration / Administración de Alimentos y Medicamentos

4

IFS - International Featured Standard / Estándares Internacionales Destacados.

5

Global G.A.P / Buenas Prácticas Agrícolas

6

MSC - Marine Stewardship Council / Consejo de Administración Marina

7

Approved Health Certificate for Fishery and Aquaculture Products with the People's Republic of China, Türkiye, United Kingdom, Russia and the European Union.

8

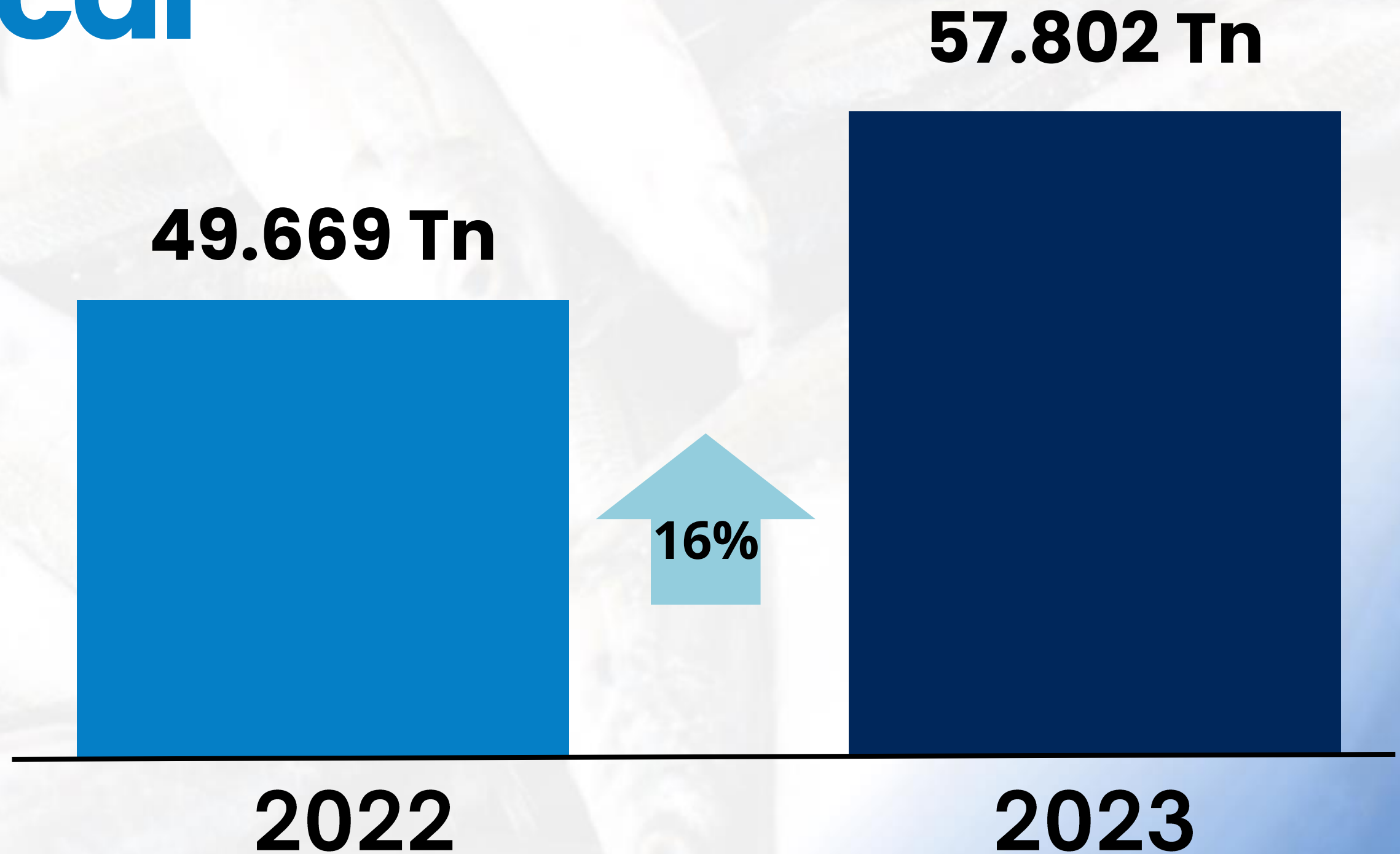
Audit of the Quality Management System (HACCP) for inclusion in the List of Establishments authorized to export by-products to the European Union.

9

National Plan for the Control of Residues of Pharmacologically Active Substances, Pesticides and Contaminants in Aquaculture Products and the National Plan for the Control of Residues in Fishery Products - PNCR with China, the European Union and Russia.

In this sense, all the aforementioned certifications have an impact on food certification schemes that operate in accordance with ISO (International Organization for Standardization) and IEC (International Electrotechnical Commission) standards. They also require the prior implementation of a quality management system, a Hazard Analysis and Critical Control Point (HACCP) system based on the Codex Alimentarius.

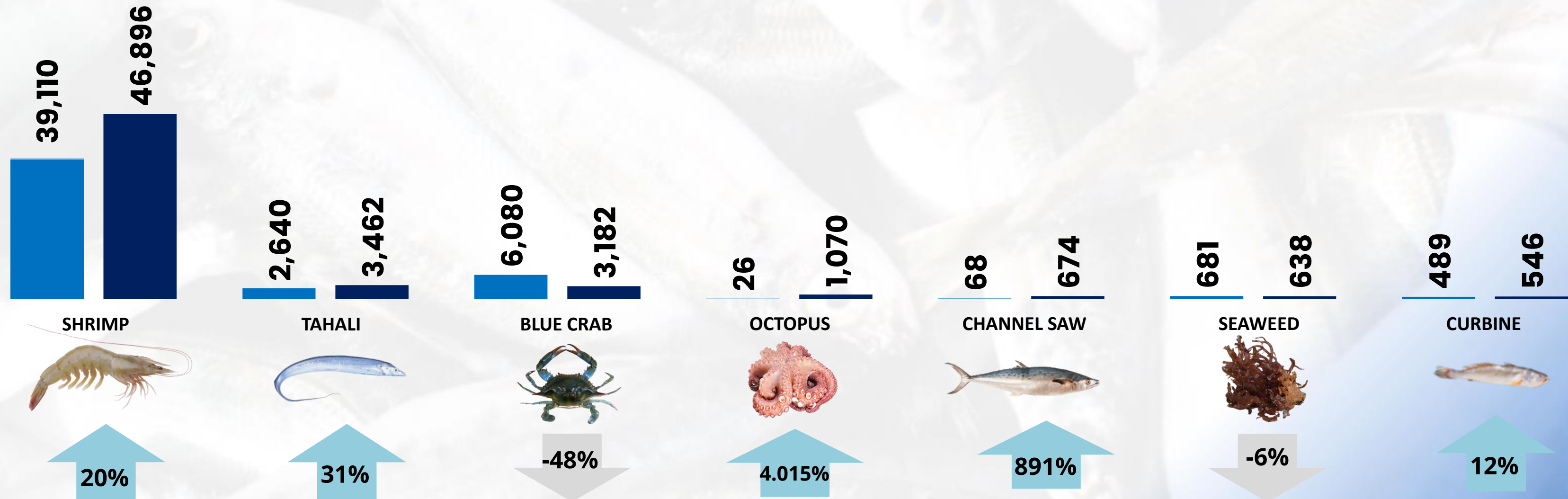
Exports of Hydrobiological Products



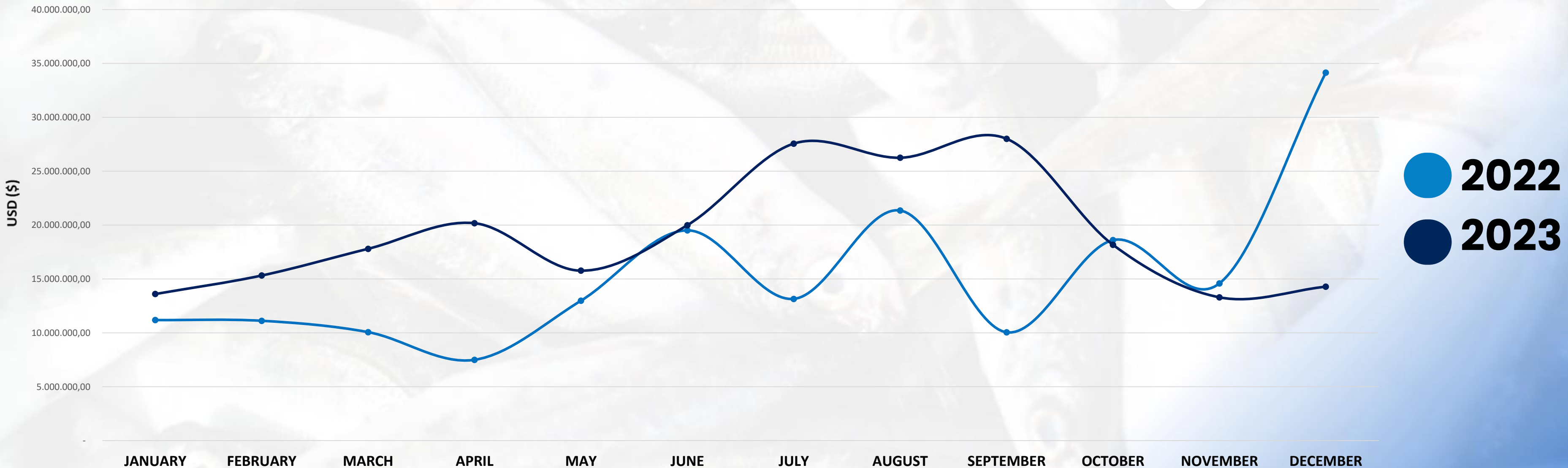
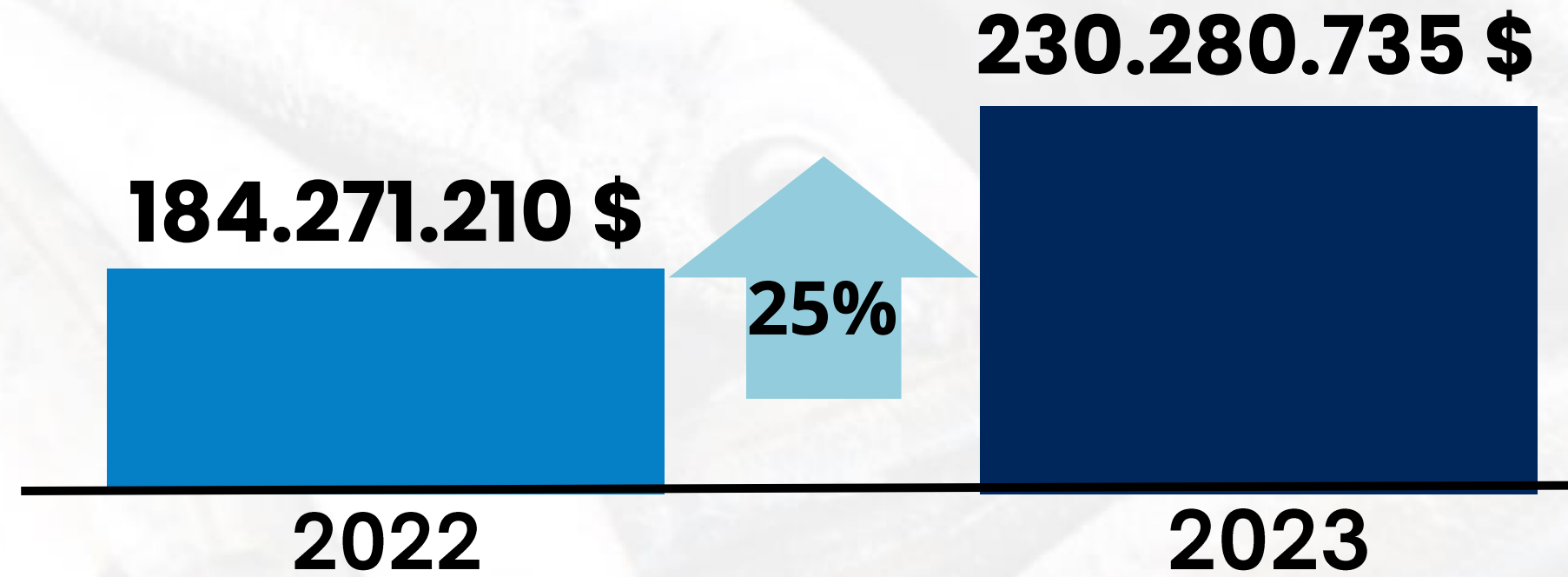
Exports of Hydrobiological Products

● 2022
● 2023

Main Species (Tn) Years 2022 - 2023



Estimated Trade Value- USD (\$) Foreign Market



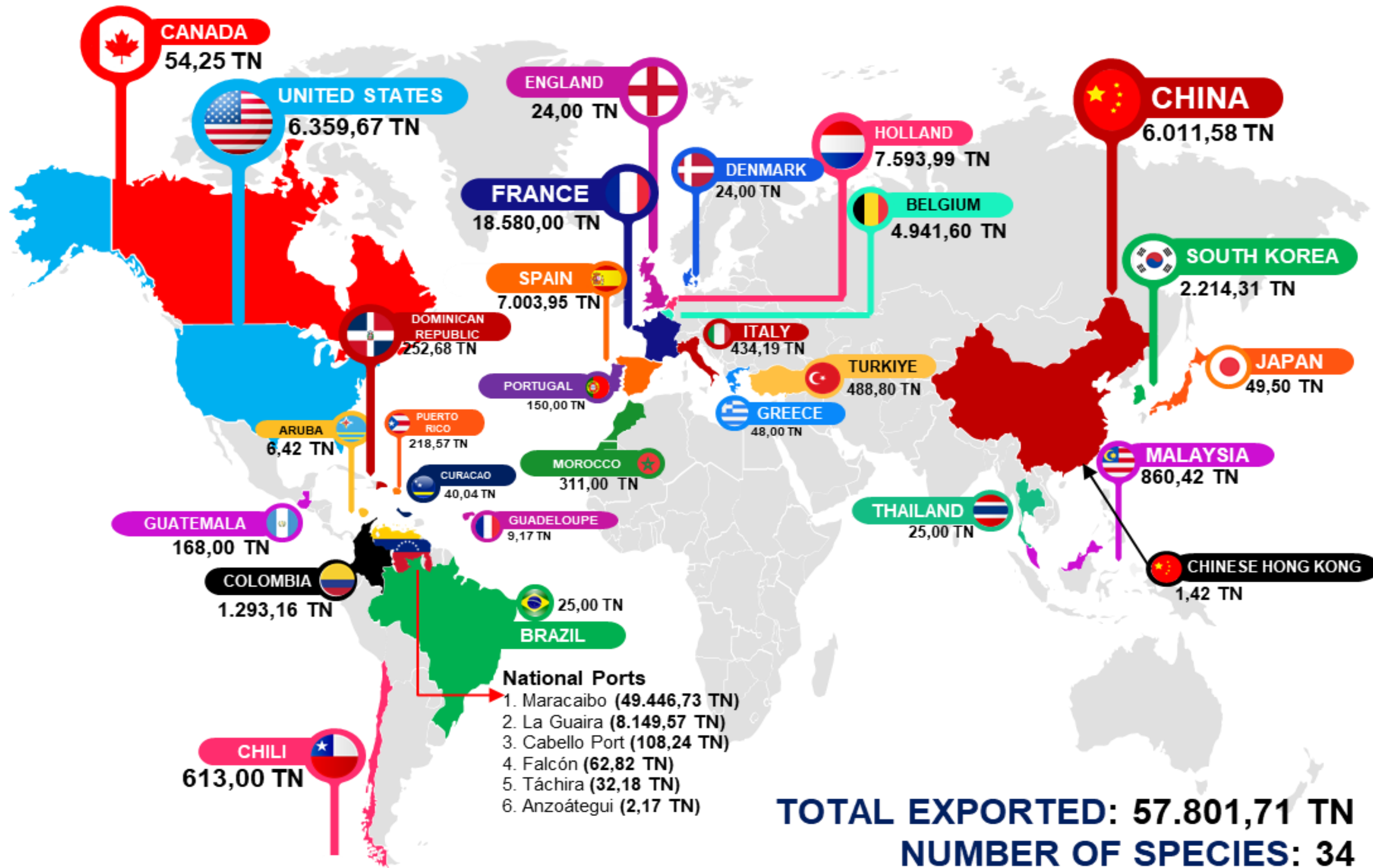


Market Experience

- **First non-oil export product.**
- **Product with a long history of more than 30 years.**
- **Venezuela is ranked 11th in shrimp production worldwide.**
- **49,000 potential hectares for shrimp farming.**
- **Sanitary system protected by current legal regulations.**
- **Environmental conditions allow for year-round production in 56 days, that is, 5.53 cycles/year.**
- **Venezuela currently accounts for 9% of the shrimp market exported to the European Union.**
- **Farms certified with BAP, ASC, HACCP and Global GAP.**

*Venezuelan production is internationally recognized and consumption of its supply is growing to such an extent that it is the only country with a **29%** growth in exports to the EU. Venezuelan shrimp exports to France grew by **136%**, positioning itself with **9%** of the total European market share.*

International Market where the Bolivarian Republic of Venezuela carried out its exports of fishing and aquaculture resources - Year 2023



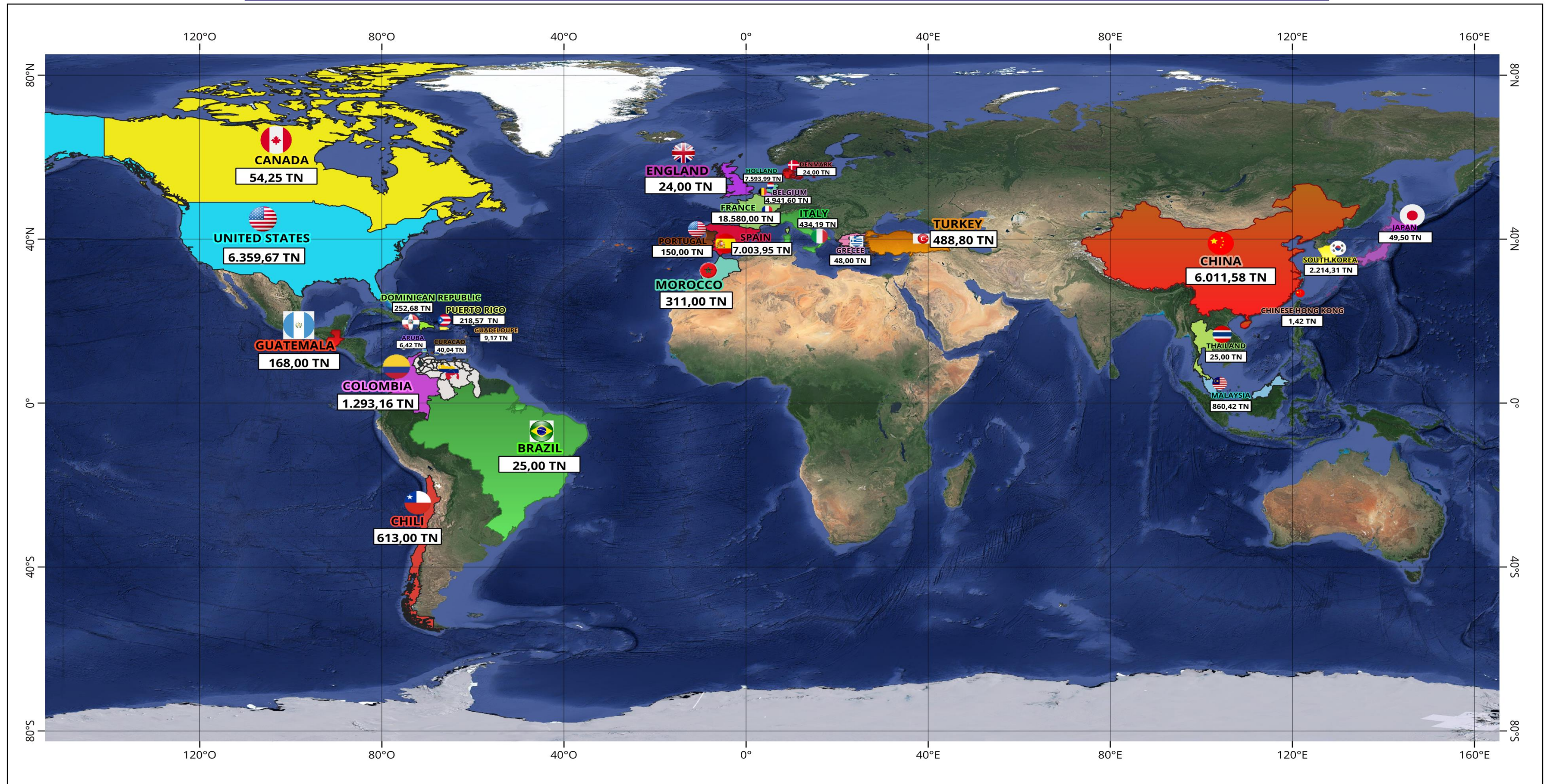
- National Ports**
1. Maracaibo (49.446,73 TN)
 2. La Guaira (8.149,57 TN)
 3. Cabello Port (108,24 TN)
 4. Falcón (62,82 TN)
 5. Táchira (32,18 TN)
 6. Anzoátegui (2,17 TN)

TOTAL EXPORTED: 57.801,71 TN
NUMBER OF SPECIES: 34
NUMBER OF DESTINATIONS: 28

MAIN EXPORTED SPECIES



International Market where the Bolivarian Republic of Venezuela carried out its exports of fishing and aquaculture resources - Year 2023



Exportable Offer

It shows Venezuela's capacity to offer its hydrobiological products to international markets.





Bolivarian
Government
of Venezuela

Exportable Offer



SHRIMP

Litopenaeus vannamei



BLUE CRAB

Callinectes sapidus



TAHALÍ

Trichiurus lepturus



OCTOPUS

Octopus vulgaris



CURBINE

Cynoscion acoupa

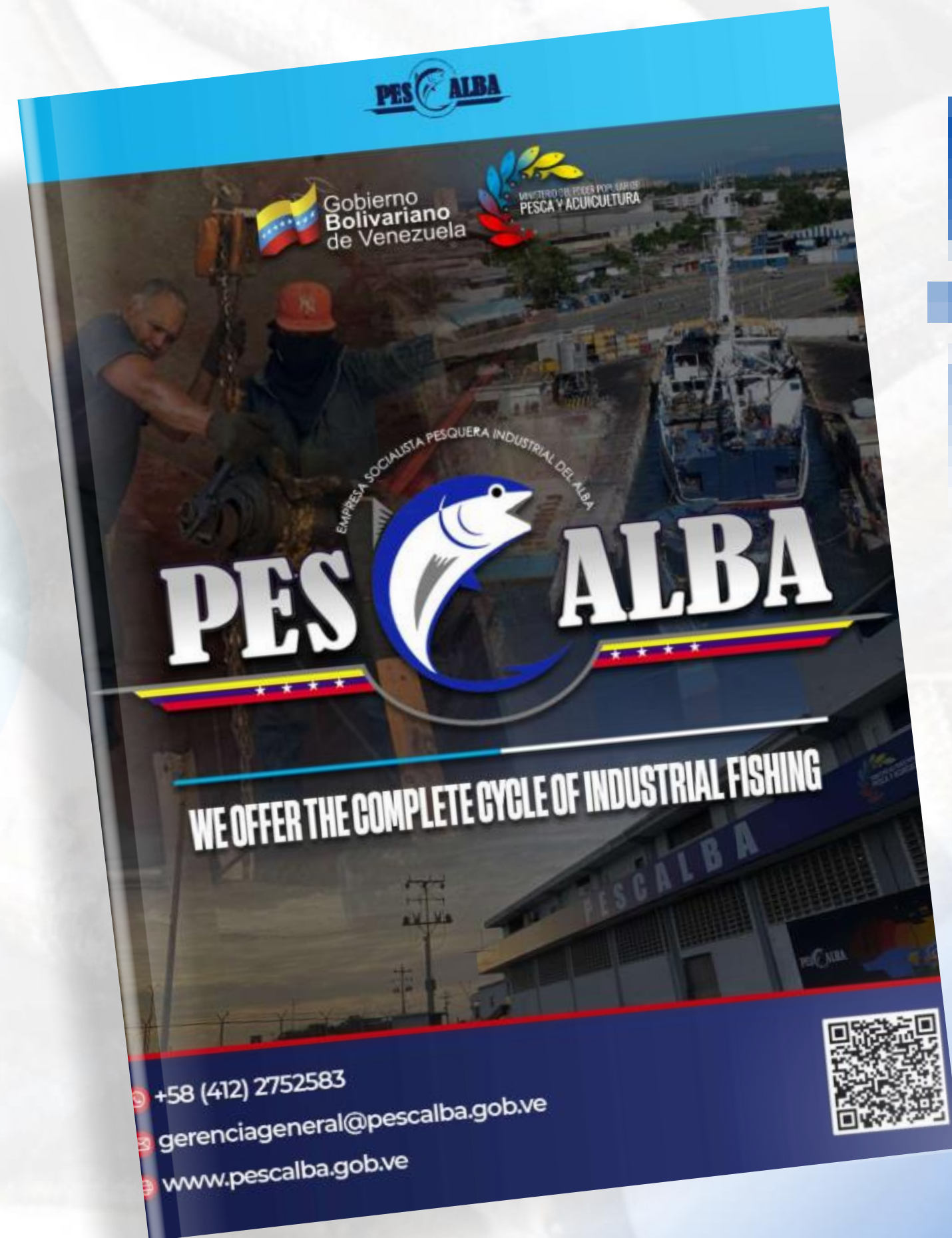


SEA BASS

Centropomus undecimalis



Commercial Catalog



PES ALBA


Gobierno Bolivariano de Venezuela
MINISTERIO DEL PODER POPULAR PARA LA PESCA Y ACUICULTURA

EMPRESA SOCIALISTA PESQUERA INDUSTRIAL DEL ALBA

PES ALBA

WE OFFER THE COMPLETE CYCLE OF INDUSTRIAL FISHING

+58 (412) 2752583
gerenciageneral@pescalba.gob.ve
www.pescalba.gob.ve



PESCALBA

Industrial Fishing Socialist Company of Alba, P.L.C

Strategic Areas



Products

Pescalba offers a wide range of fish and aquaculture products in different presentations (frozen whole, fillet, HGT, among others), being frozen under IQF or block systems, complying with the highest standards of quality and safety, according to national and international standards.



Services

The company offers naval services oriented to satisfy the demands of the maritime market for national and international vessels. Among which are:

- **2 Docks**
(40 and 80 m length)
- **9 Workshops**
(lifting, surface preparation, internal maintenance, electricity, hydraulics, carpentry, machining, ship mechanics and naval steel)
- **Vessels**
(5 tuna vessels, 7 multipurpose vessels and 1 auxiliary fishing vessel)
- **1 Ice plant**



Infrastructure

infrastructure includes a fish processing plant with an area of **4,000 m²**, consisting of: reception and dispatch areas, specific processing areas for each fishery, freezing tunnels and cellars, as well as administrative offices, conference room, dining room and sanitary facilities.



Refrigeration

The infrastructure has an installed storage capacity of 2,000 tons, distributed in 4 storage cellars for fish products; additionally, it has 2 processing rooms with an installed production capacity of 4,700 tons/year and a freezing tunnel with a capacity of 6 tons/day.



Bolivarian
Government
of Venezuela

Fisheries and Aquaculture Sector





Bolivarian Government of Venezuela