



REPUBLIC OF TÜRKİYE
MINISTRY OF AGRICULTURE AND FORESTRY

Türkiye's Aquaculture Sector: A Future Outlook

DIRECTORATE GENERAL OF FISHERIES AND AQUACULTURE

Turgay TÜRKYILMAZ
Director-General



- **Introduction**

- Potentials & Management
- Production and Trade
- Aquaculture Production Planning
- Priorities
- Restocking
- International Relations

The Role of Aquaculture in National Economic Growth



Giriş

Aquaculture Production

- Healthy Food Need
- Food Supply Security
- Employment
- Rural Development
- Economic Contribution



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Aquatic Production Resources



Seas

4

24.607.200 ha

Natural Lakes

200

906.118 ha

Dam Lakes

1074

715.600 ha

Ponds

731

556.544 ha

Rivers

33

177.714 km



550 marine and 380 inland fish species. Roughly 100 aquatic species are commercially fished.

The General Directorate of Fisheries and Aquaculture



Department of Fishing and Control

Department of Aquaculture

Dep. of Resource Management and Fisheries Infrastructure

Department of Statistics and Information Systems

Department of Administrative Affairs and Coordination

Producers' Organizations



Sectoral Cooperatives and Unions



**Central Union of
Aquaculture Producers**
23 Provincial Unions



**Turkish Central Union of
Fisheries Cooperatives**
17 Regional Unions,
580 Cooperatives, 30 000 Members



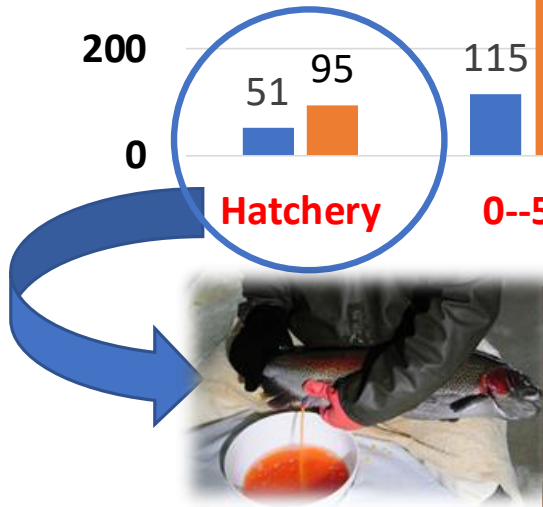
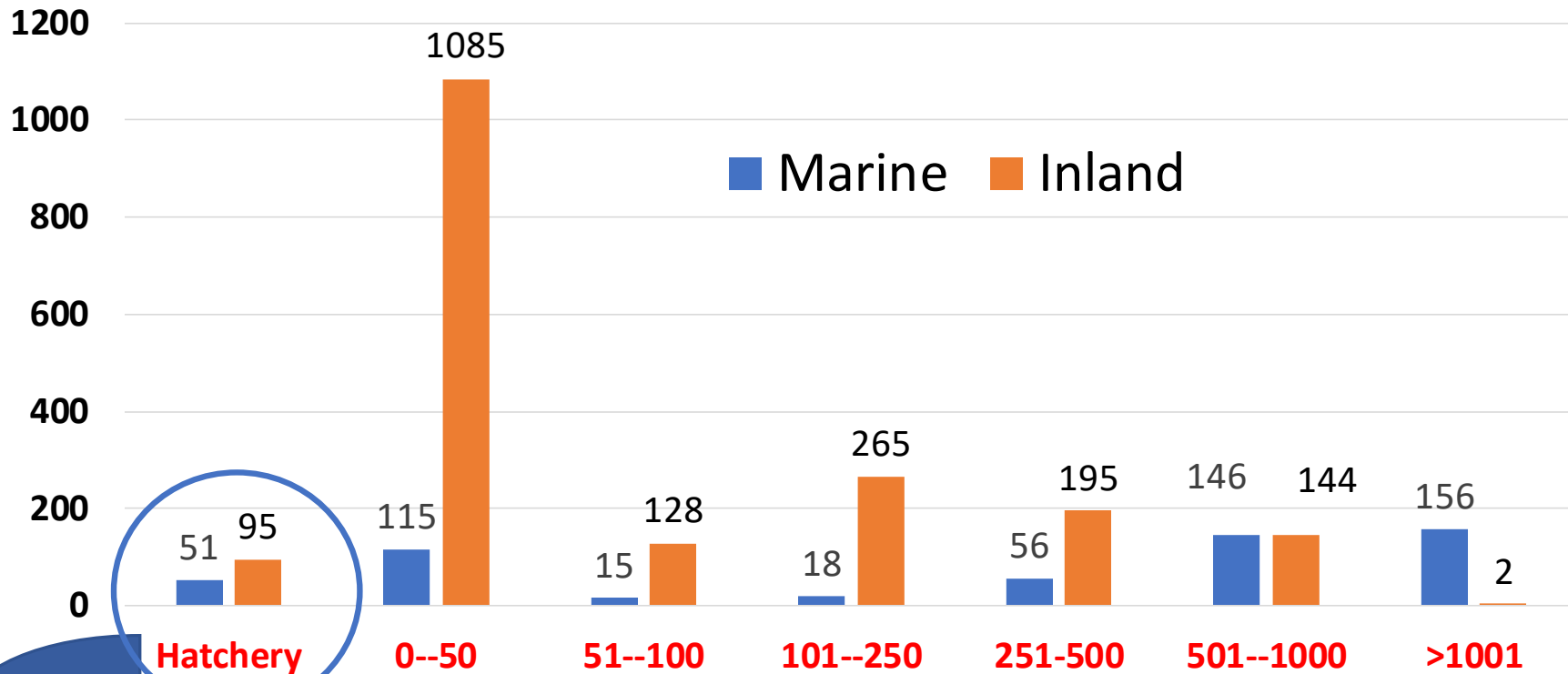
**Central Union of Marine
Fisheries Producers**
7 Regional Unions,
1 200 Members



Aquaculture Facilities in Türkiye



Aquaculture Facilities by Capacity Groups (metric tons)

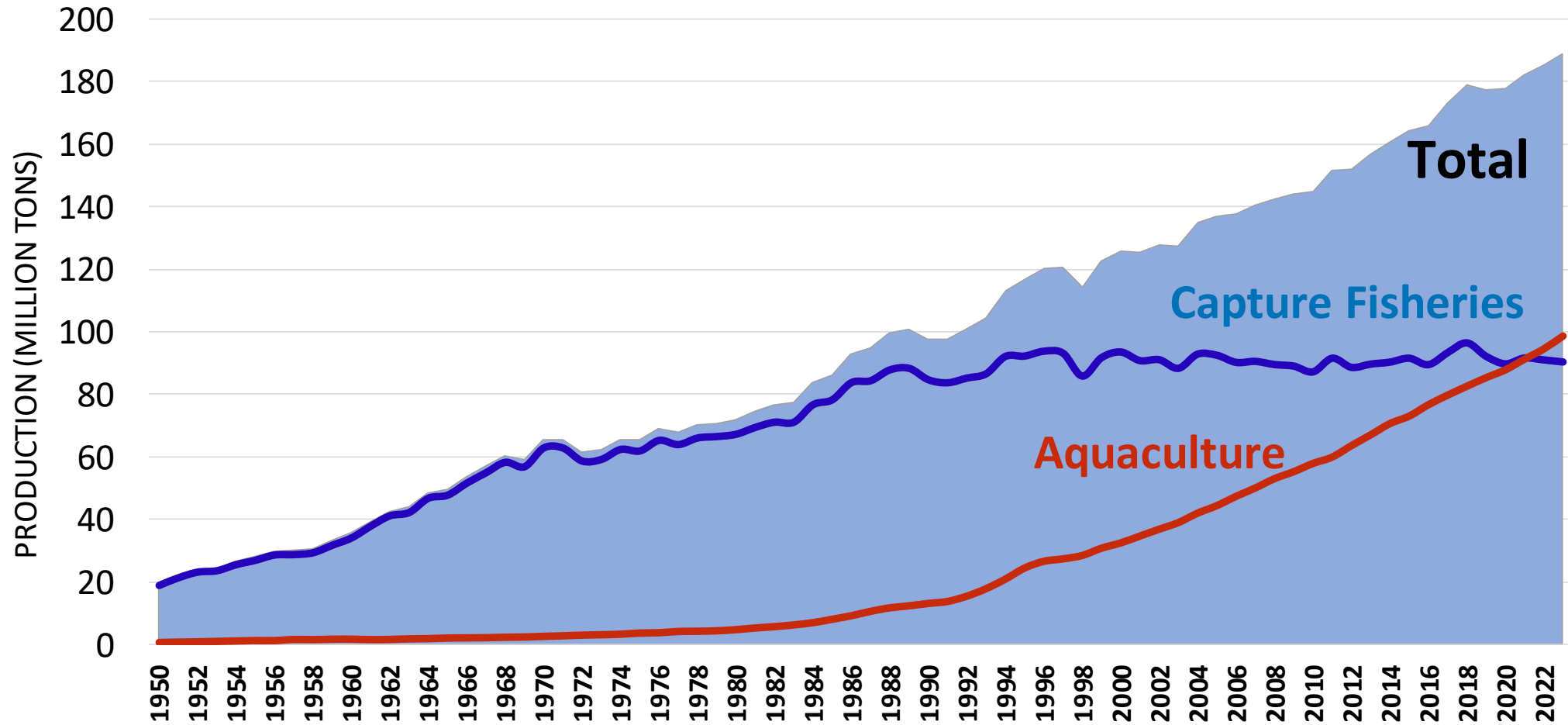


Freshwater : 95
Marine : 51
Total :146



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Global Capture Fisheries and Aquaculture Production

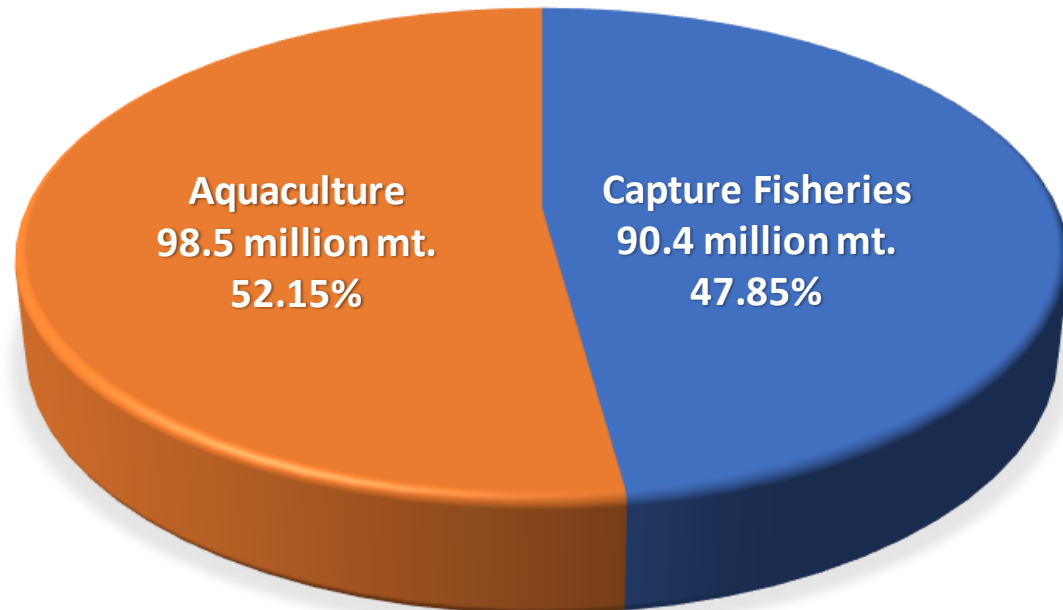


Capture Fisheries & Aquaculture (2023)



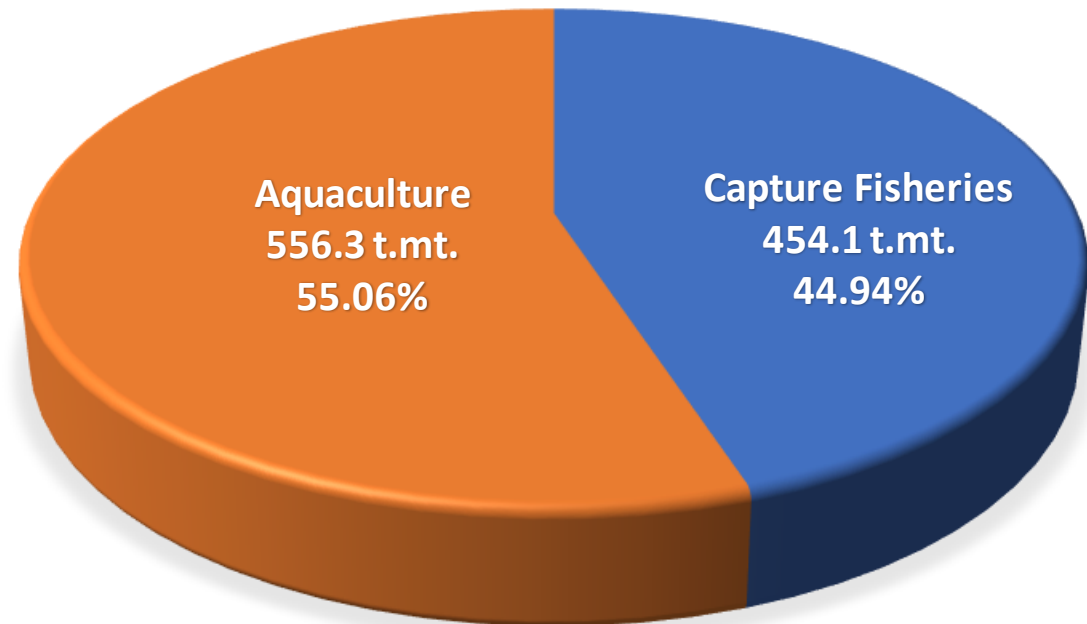
World

189 million mt.

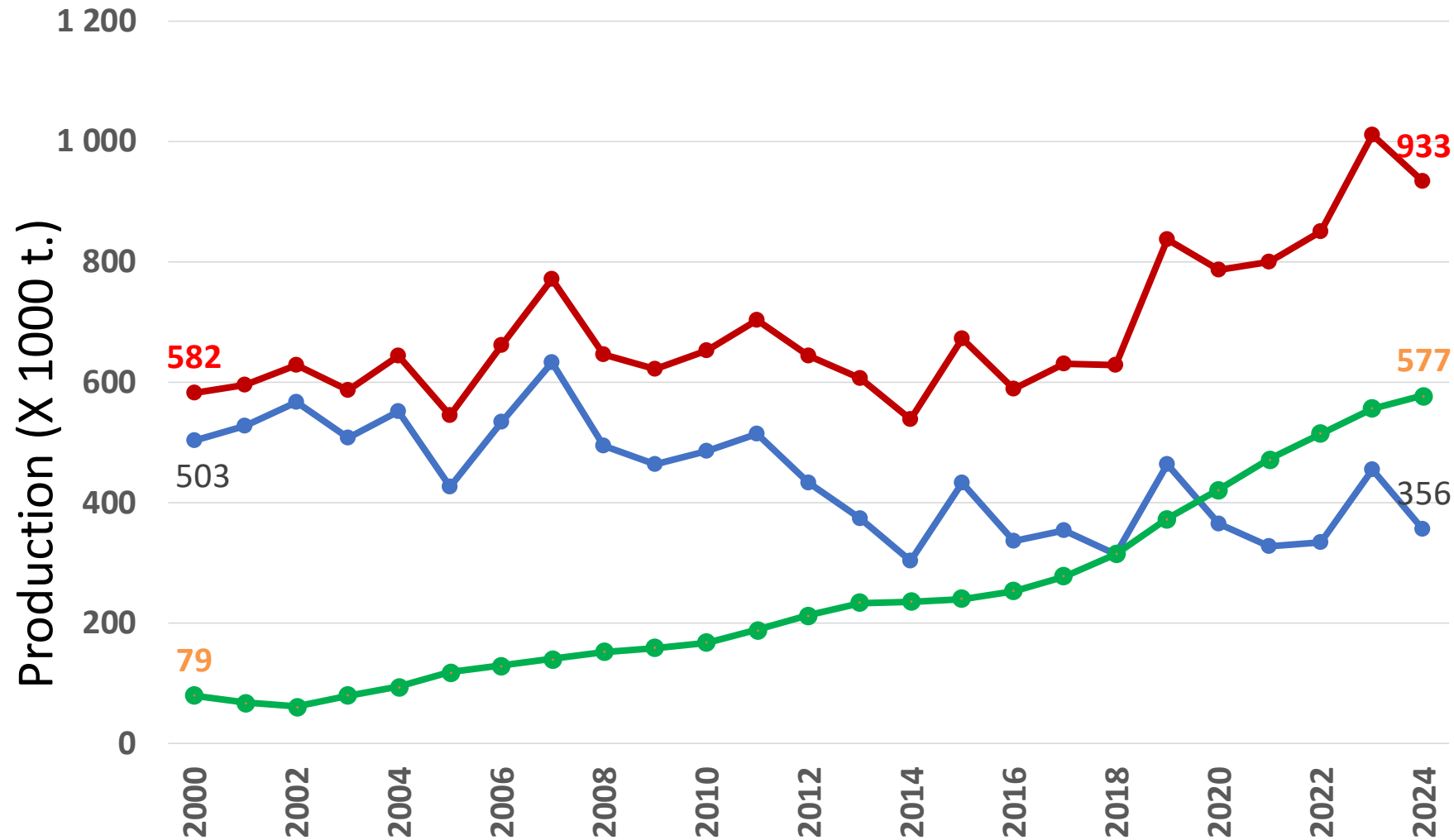


Türkiye

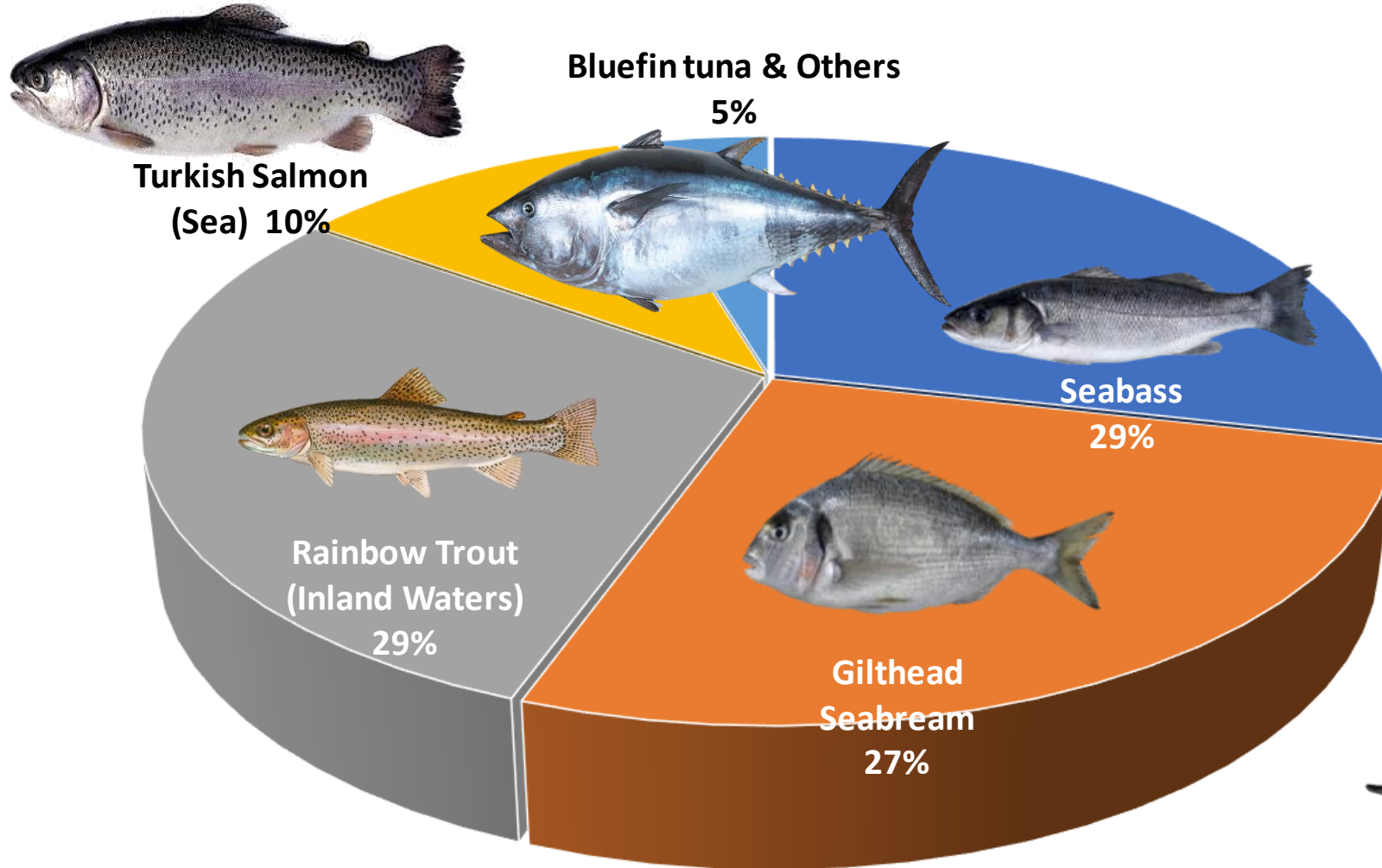
1 million mt



Türkiye's Capture Fisheries and Aquaculture Production



Major Cultured Species in Türkiye (2024)



Mussel
(*Mytilus galloprovincialis*)



Common Seabream
(*Dentex gibbosus*)



Meagre
(*Argyrosomus regius*)



Common Dentex
(*Dentex dentex*)



Shi Drum
(*Umbrina cirrosa*)



Sturgeon
(*Asipencer baerii*)



Reg Porgy / Red Sea Bream
(*Pagrus spp*)

Developing New Brands for Turkish Aquaculture

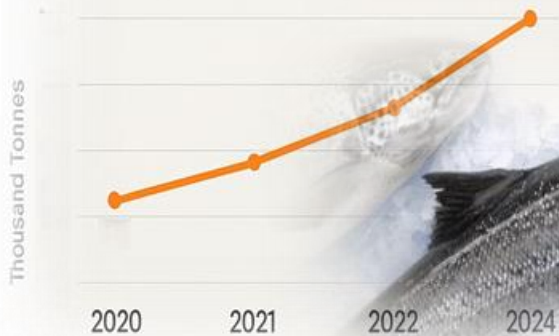


Turkish Salmon An Emerging Brand

- Türkiye's new star in aquaculture
- High quality and sustainable production



Production Increase Trend





Bluefin Tuna Farming



FATTENING



Türkiye's Place in The World Aquaculture Production (2023)



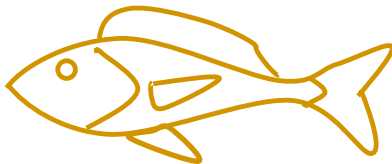
2nd in the EUROPE



1st in the EU

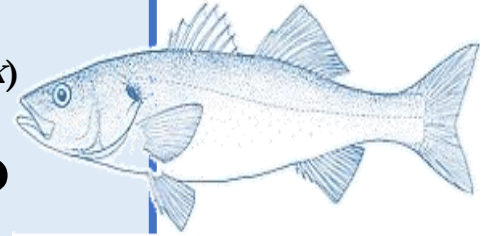


17th in the WORLD



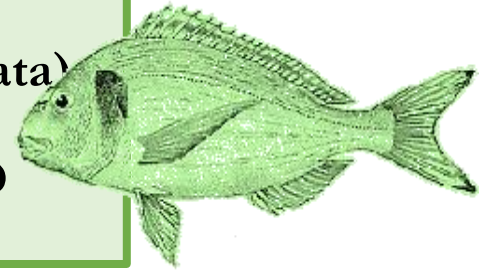
1st

**SEABASS (*D. labrax*)
PRODUCTION
IN THE WORLD**



1st

**SEABREAM (*S. aurata*)
PRODUCTION
IN THE WORLD**



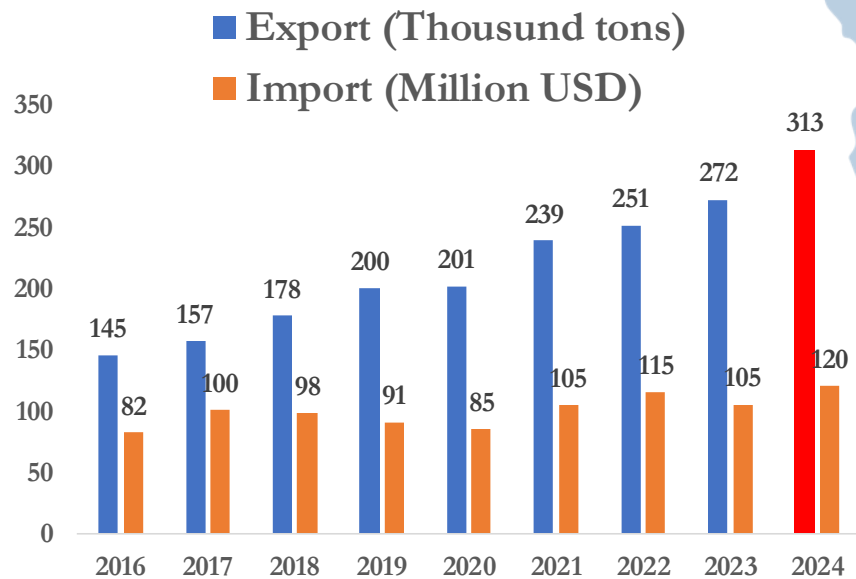
1st

**RAINBOW TROUT
(*O mykiss*) PRODUCTION
IN THE WORLD**





Export has exceeded 2 billion dollars in 2024



45% of the exports go to European countries



Catching High-Quality Standards for Sustainable Production



Certificates owned by Turkish Companies:



GLOBALG.A.P.



Number of fishery processing plants authorized by the Ministry by granting export permits (by country):

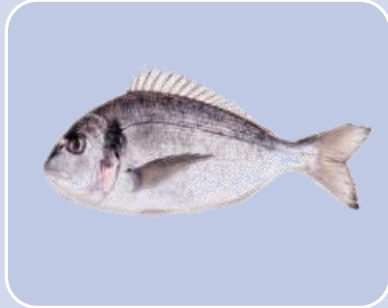
| Countries <i>(ranking of the top 5 country only)</i> | # of Facilities |
|--|-----------------|
| EU | 157 |
| China | 52 |
| Azerbaijan | 61 |
| Russian Federation | 46 |
| Kingdom of Morocco | 41 |



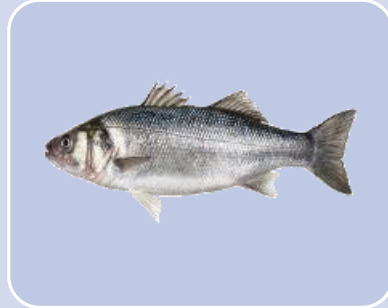
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Planned Production Period in Aquaculture



Seabream



Seabass



**Turkish
Salmon**



Mussel



Trout

97% of aquaculture production in the production planning scope.



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The Future of Turkish Aquaculture



**RESTORATIVE
AQUACULTURE**



SUSTAINABILITY

Priorities for Tomorrow's Turkish Aquaculture



**RECIRCULATING
AQUACULTURE
SYSTEMS (RAS)**



DIGITALIZATION & AI



**CLIMATE RESILIENT
FISH SPECIES**

**ALTERNATIVE FISH
FEED INGREDIENTS**



Conservation of Aquatic Biodiversity



Aquatic Biodiversity & Restorative Aquaculture:



Use of AI in Aquaculture – Feed Barges



Use of AI in Aquaculture – Stereoscopic Control Cameras



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Climate-Resilient & Novel Species for Aquaculture



Sturgeon
(*Asipencer baerii*)



Tilapia
(*O. Niloticus*)



Common Seabream
(*Dentex gibbosus*)



Meagre
(*Argyrosomus regius*)



Common Dentex
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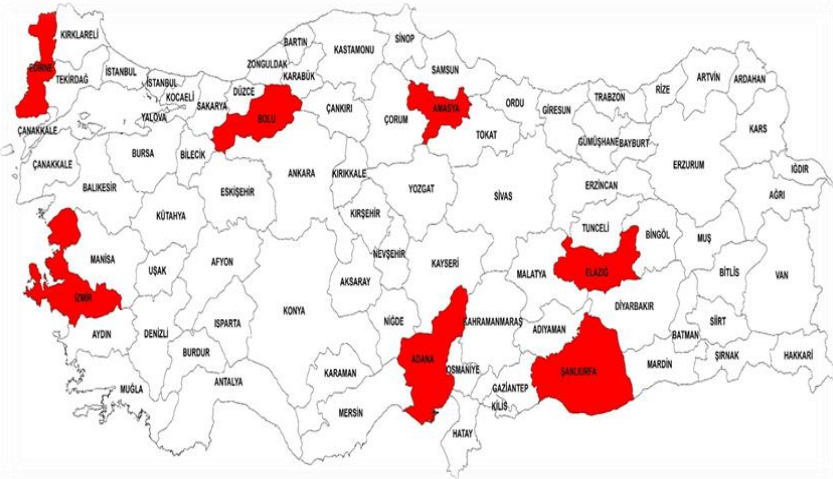
Restocking



In 2024

→ Restocking with Carp and Barbel (Shabut) primarily, as well as; Trout, Turbot, Sturgeon, Crayfish, Perch, Catfish, **Siraz** (*Capoeta trutta*), etc.

Total 89.702.700 fish were released



7 Production Facilities

Enhancing fish stocks



President Mr. Erdoğan attends fishing season opening ceremony





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International Relations



| Organizations | Date of Membership |
|---------------|--------------------|
| FAO | 1948 |
| GFCM | 1954 |
| OECD | 1960 |
| BSEC | 1992 |
| CITES | 1996 |
| ICCAT | 2003 |
| EUROFISH | 2004 |
| CACFish | 2011 |



United Nations Food and Agriculture Organization



General Fisheries Commission For the Mediterranean



The International Commission for the Conservation of Atlantic Tunas



Organization for Economic Cooperation and Development



Agreement for the International Trade of Endangered Wildlife Species



European Fishery Organization



Blacksea Economic Cooperation



The Central Asian and Caucasus Regional Fisheries and Aquaculture Commission





THANK YOU

*Turgay TÜRKYILMAZ
Directorate-General of Fisheries and Aquaculture
Ministry of Agriculture and Forestry
REPUBLIC OF TÜRKİYE*

